



**Department  
of  
Public Works  
  
Infrastructure  
Services Division  
Facilities Development  
& Management Section**

MECHANICAL MAINTENANCE CONTRACT FOR  
Anderson Municipal Building – 4001 South 6<sup>th</sup> Street  
Tow Lot – 3811 West Lincoln Avenue  
Lincoln Garage – 3921 West Lincoln Avenue  
Northwest Garage – 3025 West Ruby Avenue  
Municipal Service Building – 1540 West Canal Street  
Traffic Sign Shop – 1430 West Canal Street  
Safety Academy – 6680 North Teutonia Avenue  
Forestry/Sanitation – Central – 5230 West State Street  
Central Repair Garage – 2142 West Canal St.  
Forestry/Sanitation – North – 6732 North Industrial  
Forestry – South – 2024 West Holt Avenue  
Parking Enforcement – 123 North 25<sup>th</sup> Street  
DPW Field Headquarters – 3850 North 35<sup>th</sup> Street

Milwaukee, Wisconsin

March, 2012

Project Number WK545981120  
Official Notice No. 53

CITY OF MILWAUKEE, WISCONSIN  
DEPARTMENT OF PUBLIC WORKS  
OPERATIONS DIVISION  
FACILITIES DEVELOPMENT AND MANAGEMENT

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PROJECT MANUAL

GOVERNING THE

MECHANICAL MAINTENANCE CONTRACT

FOR

ANDERSON MUNICIPAL BUILDING – 4001 SOUTH 6<sup>TH</sup> STREET (Bldg. No. 1004)

TOW LOT OFFICE – 3811 WEST LINCOLN AVENUE (Bldg. No. 1097)

LINCOLN GARAGE – 3921 WEST LINCOLN AVENUE (Bldg. No. 1114)

NORTHWEST GARAGE – 3025 WEST RUBY AVENUE (Bldg. No. 1178)

MUNICIPAL SERVICE BUILDING – 1540 WEST CANAL STREET (Bldg. No. 1183)

TRAFFIC SIGN SHOP – 1430 WEST CANAL STREET (Bldg. No. 1188)

SAFETY ACADEMY – 6680 NORTH TEUTONIA AVENUE (Bldg. No. 1601)

FORESTRY/SANITATION – CENTRAL – 5230 WEST STATE STREET (Bldg. No. 1650)

CENTRAL REPAIR GARAGE- 2142 WEST CANAL STREET (Bldg. No. 1674)

FORESTRY/SANITATION – NORTH – 6732 NORTH INDUSTRIAL ROAD (Bldg. No. 1690)

FORESTRY-SOUTH – 2024 WEST HOLT AVENUE (Bldg. No. 1708)

PARKING ENFORCEMENT – 123 NORTH 25<sup>TH</sup> STREET (Bldg. No. 1793)

DPW FIELD HEADQUARTERS – 3850 NORTH 35<sup>TH</sup> STREET (Bldg. No. 1796)

MILWAUKEE, WISCONSIN

**Project No. WK545981120**

**March, 2012**

**Official Notice No. 53**

TABLE OF CONTENTS

<u>TABLE OF CONTENTS</u>	<u>PAGE NO.</u>
<u>BIDDING REQUIREMENTS</u>	
00030 City of Milwaukee General Official Notice	00030/1
00031 City of Milwaukee Specific Official Notice	00031/1- 2
00100 Instructions to Bidders	00100/1-2
<u>GENERAL CONDITIONS</u>	
00700 General Conditions	00700/1-3
00822 Prevailing Wage Scale	00822/1-32
<u>GENERAL REQUIREMENTS</u>	
01010 Summary of Work	01010/1-2
01300 Submittals and Permits	01300/1-2
01500 Job Site Utilities, Facilities, and Security	01500/1-4
01600 Materials and Equipment	01600/1-2
01700 Cleaning and Project Close-Out	01700/1
<u>GENERAL CONSTRUCTION</u>	
15000 HVAC General provisions	15000/1-4
<u>MECHANICAL MAINTNANCE EQUIPMENT LIST</u>	
<u>MECHANICAL EQUIPMENT TASKS TO BE PERFORMED</u>	

00030/1

CITY OF MILWAUKEE  
GENERAL OFFICIAL NOTICE  
TO CONTRACTORS

Separate sealed bids for each project will be received until 10:30 A.M. of the bid opening date at which time bids will be publicly opened and read for furnishing all material and doing all work for each project in accordance with the requirements of the respective Official Notice on the bid form furnished in accordance with plans, specifications, contract documents, and proposed form of contract on file in the office of the Department of Public Works, Municipal Building, 841 N. Broadway, Room 506, Milwaukee, Wisconsin, 53202.

PROSPECTIVE BIDDERS ARE TO CAREFULLY EXAMINE AND REVIEW ALL CONTRACT DOCUMENTS AND MATERIALS IN SAID OFFICE BEFORE SUBMITTING BID.

AFFIDAVITS OF NO INTEREST MUST ACCOMPANY THE BIDS, AND THE FAILURE OF PROSPECTIVE BIDDERS TO COMPLY WITH THESE REQUIREMENTS MAY DISQUALIFY THE BID.

THE CONTRACTOR/LESSEE AGREES TO COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT OF 1990, 42 U.S.C. § 12101, ET. SEQ. THE TDD NUMBER FOR PUBLIC WORKS IS (414) 286-2025.

As part of the bid each bidder shall submit a list of anticipated subcontractors and the class of work to be performed by each, which list should not be added to nor altered without the written consent of the Commissioner of Public Works.

All contractor(s) and subcontractor(s) are required to furnish or have on file a certificate of insurance in accordance with the insurance provisions of the General Specifications.

All contractor(s) and subcontractor(s) are subject to the prevailing wage rates and hours of labor as prescribed by the Common Council of the City of Milwaukee consistent with provisions of Section 66.293 of the Wisconsin Statutes.

Copies of the actual work classifications and wage and fringe benefit rates enforced on this project are available in Room 506 of the Municipal Building.

Corporate surety will be required on performance and payment bonds for all projects listed in the following Official Notices. All applicable charter and Statutory provisions and ordinances, all the provisions of this official notice, invitation to bid, general and detailed specifications, special provisions, proposal, schedule of fixed prices, addendum and plans for this project and all other contract documents set forth in the invitation to bid will be incorporated and made part of the contract as if therein set forth in full.

Tie bids, when the lowest ones, will be decided by the Commissioner of Public Works.

The Commissioner of Public Works reserves the right to reject any or all bids.

Signed: GHASSAN KORBAN,  
Commissioner of Public Works

Countersigned: MICHAEL J. DAUN,  
City Deputy Comptroller

**CITY OF MILWAUKEE  
SPECIFIC OFFICIAL NOTICE NO. 53**

Important Notice:

The Invitation to Bid, all bid documents and the Plans & Specifications for the project listed will be available electronically to prospective bidders via <http://www.mpw.net/bids/docs/53-2012>. Any required addenda or responses related to the listed projects will be posted on said website. Bidders are encouraged to utilize this electronic method of obtaining bid documents as the Department of Public Works intends to solely use this method for future projects. At this time however, a limited number of hard copies of the above documents will also be available at address listed below. **IF YOU ONLY PRINT THE DOCUMENTS FROM THE WEBSITE AND WOULD LIKE YOUR COMPANY'S NAME PLACED ON THE PLAN HOLDERS' LIST, PLEASE CALL 414-286-3314.**

Sealed bids will be opened on **Thursday, April 26, 2012 at 10:30 A.M.** for the Mechanical Maintenance Contract for the Anderson Municipal Building, 4001 S. 6<sup>th</sup> Street, Tow Lot Office, 3811 West Lincoln Avenue, Lincoln Garage, 3921 West Lincoln Avenue, Northwest Garage, 3025 West Ruby Avenue, Municipal Service Building, 1540 West Canal Street, Traffic Sign Shop, 1430 West Canal Street, Safety Academy, 6680 North Teutonia Avenue, Forestry/Sanitation-Central, 5230 West State Street, Central Repair Garage, 2142 West Canal Street, Forestry/Sanitation-North, 6732 North Industrial Road, Forestry-South, 2024 West Holt Avenue, Parking Enforcement, 123 North 25<sup>th</sup> Street, DPW Field Headquarters, 3850 North 35<sup>th</sup> Street, in Milwaukee, Wisconsin.

Bid Security Required: Bond, Certified Check, Cashier's Check, or Cash to accompany bid: 10% of Contractor's Base Bid

Time for Completion: 365 Working Days. All work on this project shall be completed by Friday, May 31, 2013. Contractor shall not begin work on this project prior to Friday, June 01, 2012.

Liquidated Damages, per diem: \$150.00

The MWSBE requirement for this project is **25%** of the contract base bid.

(Hispanic: 3.23%, Native American: 0.17%, WBE: 17.09%, SBE: 4.51%)

For a complete listing of City of Milwaukee certified M/W/SBE firms, see the Office of Small Business Development's (OSBD) website at [Milwaukee.gov/osbd](http://Milwaukee.gov/osbd). If there are any questions regarding M/W/SBE certified firms, please contact OSBD office at (414) 286-5553.

The residency requirement for this project is **40%** of all hours worked on the project.

The apprenticeship requirements for this project are: N/A

The contractor shall specifically note the MWSBE, residency, and apprenticeship forms for this project. If the forms are not filled out properly, it will be cause for rejection of the bid.

Plans and project manual will be furnished to the prospective bidders upon payment of a \$10.00 non-refundable fee in room 506, Frank P. Zeidler Municipal Building, 841 North Broadway, Milwaukee, Wisconsin 53202. For general questions call 414-286-3314.

A \$10.00 per set additional non-refundable fee is required to obtain bid documents by mail. Plans are sent via U.S. mail unless other arrangements are made by the contractor.

Contractor must comply with all provisions of the CITY OF MILWAUKEE GENERAL OFFICIAL NOTICE TO CONTRACTORS published herein and at [http://mpw.milwaukee.gov/services/bids\\_home](http://mpw.milwaukee.gov/services/bids_home)

**Mandatory Pre-Bid Meeting:** A Mandatory Pre-Bid Meeting is scheduled for **Monday, April 16, 2012, at 1pm in the Conference Room of the DPW Field Headquarters, 3850 North 35<sup>th</sup> Street, Milwaukee, Wisconsin.** Bidder participation is required to become familiar with all aspects of the project and bidding requirements. **Contractors not attending the pre-bid meeting shall be ineligible to bid.** A tour of all the sites included in this contract will occur immediately following the pre-bid meeting.

Signed:

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GHASSAN KORBAN  
Commissioner of Public Works

SECTION 00100: INSTRUCTIONS TO BIDDERS

See also Instructions to Bidders in the "General Specifications" of the Department of Public Works, City of Milwaukee, Wisconsin, dated January 31, 1992, and all subsequent addenda.

BID FORM:

Submit a lump sum price to perform all the mechanical maintenance for all listed buildings as specified herein, complete in every respect.

Bids will not be accepted in any form except on the bid form included with this project manual.

The contractor must recognize and abide by the right of the Owner (City of Milwaukee) to accept or reject any or all bids in the best interests of the City.

UNIT PRICE BIDS

The following unit prices will be used for additions to the work required under the contract.

Unit Price 1:

State the unit price per hour to be added to the prevailing wage hourly rate for performing repair work beyond the scope of this specification, including vehicle and standard tools, during the hours of 7:30 AM to 4:30 PM Monday thru Friday, excluding holidays.

Unit Price 2:

State the unit price per hour to be added to the prevailing wage hourly rate for performing repair work beyond the scope of this specification, including vehicle and standard tools, during non-working hours Monday thru Friday, excluding holidays.

Unit Price 3:

State the unit price per hour to be added to the prevailing wage hourly rate for performing repair work beyond the scope of this specification, including vehicle and standard tools, from 12:01 AM Saturday to 11:59 PM on Sundays and Holidays.

Unit Price 4:

State the mark up percentage to be added to original equipment manufacturer's (OEM) parts, which are beyond the scope of this specification, furnished and installed.

CONTRACT AWARD:

The Commissioner of Public Works will award the contract on the basis of the Base Bid only. Bidders are required to submit a letter of qualifications with their bid. The information to be included in these qualifications is detailed in Section 15000 of the specifications. The contract will not be awarded until the City is satisfied that the low bidder is qualified to perform the work.

CONTRACT BREAKDOWN:

Shortly after the award of the contract, each contractor shall submit a list showing the cost breakdown for all maintenance items scheduled for each building. This list will be used as a basis for estimates of work completed for partial payment.

SITE VISIT:

All contractors shall visit the site, consult the project manual, be familiar with the work of other contractors and determine for themselves all conditions affecting the work.

Failure by a contractor to be familiar with the project shall not release him from any obligation under this contract to complete the work in strict conformity with the plans and project manual and all City, State and Federal Codes or regulations pertaining to the work.

COMPLETION DATE:

The start and completion dates are stated in the Specific Official Notice.

BASE BID EXCLUSIONS:

All electrical work is to be performed by the City.

ADDITIONAL PLANS/PROJECT MANUALS

The successful contractor will be responsible for furnishing all additional copies of project manuals, addenda, etc., as may be needed by the contractor and subcontractors. The City will cooperate by making originals available to the contractor's printer of choice.

SECTION 00700: GENERAL CONDITIONS1. SCOPE:A. Index:

1. Scope
2. DPW General Specifications
3. Definitions
4. Project Coordination
5. Supervision of Work
6. Safety Regulations
7. Code Rules

2. Department of Public Works General Specifications:

Provisions of the Department of Public Works General Specifications dated January 31, 1992, and subsequent addenda except as may be modified or expanded upon in this project manual, shall apply to all contractors and subcontractors working on the project. Copies of the General Specifications may be obtained from the Department of Public Works General Office, Room 501 Zeidler Municipal Building, 841 North Broadway, Milwaukee, Wisconsin, or from the Facilities Development and Management, Room 602, Zeidler Municipal Building.

3. Definitions:

- A. Owner: City of Milwaukee.
- B. Facilities Manager: The Facilities Manager of Facilities Development and Management.
- C. Project Inspector: The authorized representative of the Commissioner assigned to make detailed inspection of any or all portions of the work and materials thereof. These inspections are not a substitute to those required by the Department of Neighborhood Services for permit and code compliance.
- D. Addenda: Written or graphic instruments issued prior to the execution of the contract which modify or interpret the bidding documents, including drawings and project manual by additions, deletions, clarifications or corrections. Addenda will become part of the contract documents when the contract is executed.
- E. Contract Drawings: There are no drawings accompanying the project manual.
- F. Utility: WE Energies.
- G. End User: City of Milwaukee.

4. Project Coordination:

- A. Contractors are required, so far as possible, to arrange work and to dispose of materials so as not to interfere with the work or storage of materials of other contractors or City forces engaged upon the work.
- B. Contractors shall give full cooperation to other trades and furnish any information necessary to permit the work of all trades to be installed satisfactorily and with the least possible interference or delay.
- C. Where the work of a contractor will be installed in close proximity to the work of other trades, or where there is evidence that the work of a contractor will interfere with the work of other trades, he shall assist in working out space conditions to make satisfactory adjustments.
- D. If a contractor installs work before coordinating it with other trades or so as to cause interference with work of other trades, he shall make necessary changes in his work to correct the condition without extra charge.
- E. Contractors are required to join their work to that of others in a proper manner, and in accordance with the spirit of the plans and project manual, and to perform the work in the proper sequence in relation to that of other contractors, and as may be directed by the Project Inspector.

5. Supervision of Work:

- A. Contractors shall furnish the services of an experienced engineer or superintendent.
- B. He shall be constantly in charge of the installation of the work together with all subcontractors, skilled workers, helpers, and labor required to unload, transfer, erect, connect up, adjust, start, operate and test each system.
- C. He shall be thoroughly acquainted with and be responsible for the various subcontractors' work so that it is properly coordinated and supervised to the satisfaction of the Commissioner of Public Works or his representative.
- D. Upon written notice to a contractor of the lack of such coordination and supervision, the Commissioner of Public Works may authorize such services as may be required and deduct the cost of this service at an hourly rate of \$60.00 per hour per worker from the contract for the work.

6. Safety Regulations:

All work shall be done in accordance with the safety requirements referenced in the International Building Code, as adopted and amended by the State of Wisconsin and OSHA.

7. Code Rules:

The rulings, regulations and laws of the following shall be complied with in the completion of this project:

Wisconsin Administrative Code

00700/3

Wisconsin Department of Commerce  
International Building Code, as amended and adopted by the State of Wisconsin  
Plumbing and Drainage Codes of the City of Milwaukee  
Ordinances of the City of Milwaukee  
National Board of Fire Underwriters  
OSHA  
CERCLA and Resource Conservation and Recovery Act of 1976  
U.S. Government, Department of the Interior  
Department of Natural Resources, Chapter 30  
Americans with Disabilities Act  
NFPA  
FAA

Rev. 3/04

## PREVAILING WAGE RATE DETERMINATION

Issued by the State of Wisconsin  
Department of Workforce Development  
Pursuant to s. 66.0903, Wis. Stats.  
Issued On: 01/13/2012  
Amended On: 03/02/2012

**DETERMINATION NUMBER:** 201200107

**EXPIRATION DATE:** Prime Contracts MUST Be Awarded or Negotiated On Or Before 12/31/2012. If NOT, You MUST Reapply.

**PROJECT NAME:** ALL PUBLIC WORKS PROJECTS UNDER SEC. 66.0903, STATS.-CITY OF MILWAUKEE

**PROJECT LOCATION:** MILWAUKEE CITY, MILWAUKEE COUNTY, WI

**CONTRACTING AGENCY:** CITY OF MILWAUKEE-DEPT OF PUBLIC WORKS

<b>CLASSIFICATION:</b>	Contractors are responsible for correctly classifying their workers. Either call the Department of Workforce Development (DWD) with trade or classification questions or consult DWD's Dictionary of Occupational Classifications & Work Descriptions on the DWD website at: <a href="http://dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm">dwd.wisconsin.gov/er/prevailing_wage_rate/Dictionary/dictionary_main.htm</a> .
<b>OVERTIME:</b>	<p>Time and one-half must be paid for all hours worked:</p> <ul style="list-style-type: none"><li>- over 10 hours per day on prevailing wage projects</li><li>- over 40 hours per calendar week</li><li>- Saturday and Sunday</li><li>- on all of the following holidays: January 1; the last Monday in May; July 4; the 1st Monday in September; the 4th Thursday in November; December 25;</li><li>- The day before if January 1, July 4 or December 25 falls on a Saturday;</li><li>- The day following if January 1, July 4 or December 25 falls on a Sunday.</li></ul> <p>Apply the time and one-half overtime calculation to whichever is higher between the Hourly Basic Rate listed on this project determination or the employee's regular hourly rate of pay. Add any applicable Premium or DOT Premium to the Hourly Basic Rate before calculating overtime.</p> <p>A DOT Premium (discussed below) may supersede this time and one-half requirement.</p>
<b>FUTURE INCREASE:</b>	When a specific trade or occupation requires a future increase, you MUST add the full hourly increase to the "TOTAL" on the effective date(s) indicated for the specific trade or occupation.
<b>PREMIUM PAY:</b>	If indicated for a specific trade or occupation, the full amount of such pay MUST be added to the "HOURLY BASIC RATE OF PAY" indicated for such trade or occupation, whenever such pay is applicable.
<b>DOT PREMIUM:</b>	This premium only applies to highway and bridge projects owned by the Wisconsin Department of Transportation and to the project type heading "Airport Pavement or State Highway Construction." DO NOT apply the premium calculation under any other project type on this determination.
<b>APPRENTICES:</b>	Pay apprentices a percentage of the applicable journey person's hourly basic rate of pay and hourly fringe benefit contributions specified in this determination. Obtain the appropriate percentage from each apprentice's contract or indenture.
<b>SUBJOURNEY:</b>	Subjourney wage rates may be available for some of the trades or occupations indicated below with the exception of laborers, truck drivers and heavy equipment operators. Any employer interested in using a subjourney classification on this project MUST complete Form ERD-10880 and request the applicable wage rate from the Department of Workforce Development PRIOR to using the subjourney worker on this project.

This document **MUST BE POSTED** by the **CONTRACTING AGENCY** in at least one conspicuous and easily accessible place **on the site of the project**. A local governmental unit may post this document at the place normally used to post public notices if there is no common site on the project. This document **MUST** remain posted during the entire time any worker is employed on the project and **MUST** be physically incorporated into the specifications and all contracts and subcontracts. If you have any questions, please write to the Equal Rights Division, Labor Standards Bureau, P.O. Box 8928, Madison, Wisconsin 53708 or call (608) 266-6861.

**The following statutory provisions apply to local governmental unit projects of public works and are set forth below pursuant to the requirements of s. 66.0903(8), Stats.**

**s. 66.0903 (1) (f) & s. 103.49 (1) (c) "PREVAILING HOURS OF LABOR"** for any trade or occupation in any area means 10 hours per day and 40 hours per week and may not include any hours worked on a Saturday or Sunday or on any of the following holidays:

1. January 1.
2. The last Monday in May.
3. July 4.
4. The first Monday in September.
5. The 4th Thursday in November.
6. December 25.
7. The day before if January 1, July 4 or December 25 falls on a Saturday.
8. The day following if January 1, July 4 or December 25 falls on a Sunday.

**s. 66.0903 (10) RECORDS; INSPECTION; ENFORCEMENT.**

(a) Each contractor, subcontractor, or contractor's or subcontractor's agent performing work on a project of public works that is subject to this section shall keep full and accurate records clearly indicating the name and trade or occupation of every person performing the work described in sub. (4) and an accurate record of the number of hours worked by each of those persons and the actual wages paid for the hours worked.

**s. 66.0903 (11) LIABILITY AND PENALTIES.**

(a) 1. Any contractor, subcontractor, or contractor's or subcontractor's agent who fails to pay the prevailing wage rate determined by the department under sub. (3) or who pays less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor is liable to any affected employee in the amount of his or her unpaid wages or his or her unpaid overtime compensation and in an additional amount as liquidated damages as provided under subd. 2., 3., whichever is applicable.

2. If the department determines upon inspection under sub. (10) (b) or (c) that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the department shall order the contractor to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages within a period specified by the department in the order.

3. In addition to or in lieu of recovering the liability specified in subd. 1. as provided in subd. 2., any employee for and in behalf of that employee and other employees similarly situated may commence an action to recover that liability in any court of competent jurisdiction. If the court finds that a contractor, subcontractor, or contractor's or subcontractor's agent has failed to pay the prevailing wage rate determined by the department under sub. (3) or has paid less than 1.5 times the hourly basic rate of pay for all hours worked in excess of the prevailing hours of labor, the court shall order the contractor, subcontractor, or agent to pay to any affected employee the amount of his or her unpaid wages or his or her unpaid overtime compensation and an additional amount equal to 100 percent of the amount of those unpaid wages or that unpaid overtime compensation as liquidated damages.

5. No employee may be a party plaintiff to an action under subd. 3. unless the employee consents in writing to become a party and the consent is filed in the court in which the action is brought. Notwithstanding s. 814.04 (1), the court shall, in addition to any judgment awarded to the plaintiff, allow reasonable attorney fees and costs to be paid by the defendant.

<b>BUILDING OR HEAVY CONSTRUCTION</b>
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Includes sheltered enclosures with walk-in access for the purpose of housing persons, employees, machinery, equipment or supplies and non-sheltered work such as canals, dams, dikes, reservoirs, storage tanks, etc. A sheltered enclosure need not be "habitable" in order to be considered a building. The installation of machinery and/or equipment, both above and below grade level, does not change a project's character as a building. On-site grading, utility work and landscaping are included within this definition. Residential buildings of four (4) stories or less, agricultural buildings, parking lots and driveways are NOT included within this definition.

<b>SKILLED TRADES</b>
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<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
101	Acoustic Ceiling Tile Installer	33.43	19.31	52.74
102	Boilermaker	31.09	21.87	52.96
103	Bricklayer, Blocklayer or Stonemason Future Increase(s): Add \$.50 on 6/01/2012; Add \$1.45/hr on 6/01/2013 Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	35.58	16.37	51.95
104	Cabinet Installer	29.06	15.16	44.22
105	Carpenter Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.43	19.31	52.74
106	Carpet Layer or Soft Floor Coverer	31.68	18.55	50.23
107	Cement Finisher	30.87	16.33	47.20
108	Drywall Taper or Finisher Future Increase(s): Add \$2.20/hr on 6/1/2012	28.97	17.74	46.71
109	Electrician Future Increase(s): Add \$1.40/hr on 6/1/2012. Add \$1.60/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	31.54	20.95	52.49
110	Elevator Constructor	43.79	25.48	69.27
111	Fence Erector	27.00	0.00	27.00
112	Fire Sprinkler Fitter	36.82	19.03	55.85
113	Glazier	32.25	16.20	48.45
114	Heat or Frost Insulator	33.28	22.45	55.73

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
115	Insulator (Batt or Blown)	23.62	11.55	35.17
116	Ironworker	31.31	21.54	52.85
117	Lather	31.68	18.41	50.09
118	Line Constructor (Electrical)	35.97	18.08	54.05
119	Marble Finisher	31.16	16.27	47.43
120	Marble Mason	35.53	15.92	51.45
121	Metal Building Erector	21.05	7.82	28.87
122	Millwright	28.30	23.29	51.59
123	Overhead Door Installer	26.53	0.00	26.53
124	Painter Future Increase(s): Add \$2.20/hr on 6/1/2012. Premium Increase(s): Add \$.20/hr for paperhanging; Add \$.35/hr for bridge, iron and drywall; Add \$.75/hr for spraying and sandblasting; Add \$.60/hr for EIFS work; Add \$1.00/hr for lead based paint removal.	28.97	17.74	46.71
125	Pavement Marking Operator	26.00	0.00	26.00
126	Piledriver	28.11	23.94	52.05
127	Pipeline Fuser or Welder (Gas or Utility)	30.52	18.84	49.36
129	Plasterer	20.13	1.03	21.16
130	Plumber	36.97	17.47	54.44
132	Refrigeration Mechanic	37.21	19.04	56.25
133	Rofer or Waterproofor Future Increase(s): Add \$.50/hr. effective 06/01/2012	29.40	15.05	44.45
134	Sheet Metal Worker	37.20	16.37	53.57
135	Steamfitter	38.26	19.49	57.75
137	Teledata Technician or Installer Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	24.65	15.67	40.32
138	Temperature Control Installer	29.63	19.17	48.80
139	Terrazzo Finisher	18.00	5.35	23.35
140	Terrazzo Mechanic	31.16	16.27	47.43

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
141	Tile Finisher	23.76	16.05	39.81
142	Tile Setter	29.95	15.64	45.59
143	Tuckpointer, Caulker or Cleaner Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	34.35	15.92	50.27
144	Underwater Diver (Except on Great Lakes)	36.20	18.81	55.01
146	Well Driller or Pump Installer	25.32	15.30	40.62
147	Siding Installer	36.60	16.37	52.97
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	27.42	15.10	42.52
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	28.78	15.16	43.94
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	17.80	9.00	26.80
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	23.38	12.48	35.86
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.30	10.97	32.27

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	32.32	16.75	49.07
203	Three or More Axle Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.50	16.19	38.69
204	Articulated, Euclid, Dumptor, Off Road Material Hauler	33.32	17.60	50.92
205	Pavement Marking Vehicle	19.25	10.84	30.09
207	Truck Mechanic	24.91	15.35	40.26

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer Premium Increase(s): Add \$.11 for mortar mixer, fork lift operator, air and electric equipment and power buggy operators; Add \$.22 for jackhammer operator, certified welder, gunite machineman.	28.82	15.61	44.43
302	Asbestos Abatement Worker	21.58	17.83	39.41
303	Landscaper	12.50	2.20	14.70
310	Gas or Utility Pipeline Laborer (Other Than Sewer and Water)	19.14	15.53	34.67
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased) Premium Increase(s): DOT PREMIUMS: Pay two times the hourly basic rate on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	17.24	15.00	32.24
314	Railroad Track Laborer	17.00	1.06	18.06

**HEAVY EQUIPMENT OPERATORS  
SITE PREPARATION, UTILITY OR LANDSCAPING WORK ONLY**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
501	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Asphalt Milling Machine; Boring Machine (Directional, Horizontal or Vertical); Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Backhoe (Track Type) Having a Mfgr's Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Crane, Shovel, Dragline, Clamshells; Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Grader or Motor Patrol; Master Mechanic; Mechanic or Welder; Robotic Tool Carrier (With or Without Attachments); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Tractor (Scraper, Dozer, Pusher, Loader); Trencher (Wheel Type or Chain Type Having Over 8 Inch Bucket).	32.32	18.18	50.50
502	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Environmental Burner; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Jeep Digger; Screed (Milling Machine); Skid Rig; Straddle Carrier or Travel Lift; Stump Chipper; Trencher (Wheel Type or Chain Type Having 8 Inch Bucket & Under).	33.32	17.60	50.92

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
503	Air Compressor (&/or 400 CFM or Over); Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Greaser; High Pressure Utility Locating Machine (Daylighting Machine); Mulcher; Oiler; Post Hole Digger or Driver; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	32.32	17.59	49.91
504	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	36.20	18.81	55.01
505	Work Performed on the Great Lakes Including Crane or Backhoe Operator; Assistant Hydraulic Dredge Engineer; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder; 70 Ton & Over Tug Operator. Premium Increase(s): Add \$.50/hr for friction crane, lattice boom or crane certification (CCO).	37.45	19.45	56.90
506	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	26.80	18.52	45.32
507	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	27.75	19.15	46.90

**HEAVY EQUIPMENT OPERATORS  
EXCLUDING SITE PREPARATION, UTILITY, PAVING LANDSCAPING WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>				
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
508	Boring Machine (Directional); Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic. Premium Increase(s): Crane Operators with CCO certification add \$.50/hr. Cranes with boom length over 200 ft. not exceeding 300 ft. OR lifting capacity over 200 ton not exceeding 300 ton add \$.50/hr. Over 300 ton OR 300 ft. add \$.01/hr. per foot OR ton whichever is greater.	39.16	19.10	58.26

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
509	Backhoe (Track Type) Having a Mfgr's Rated Capacity of 130,000 Lbs. or Over; Boring Machine (Horizontal or Vertical); Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs. & Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Pile Driver; Versi Lifts, Tri-Lifts & Gantrys (20,000 Lbs. & Over). Premium Increase(s): Crane Operators with CCO certification add \$.50/hr.	38.66	19.10	57.76
510	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Dredge (NOT Performing Work on the Great Lakes); Forklift (Machinery Moving or Steel Erection, 25 Ft & Over); Gradall (Cruz-Aire Type); Hydro-Blaster (10,000 PSI or Over); Milling Machine; Skid Rig; Traveling Crane (Bridge Type). Premium Increase(s): Crane Operators with CCO certification add \$.50/hr.	38.16	19.10	57.26
511	Air, Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Bulldozer or Endloader (Over 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Environmental Burner; Gantrys (Under 20,000 Lbs.); Grader or Motor Patrol; High Pressure Utility Locating Machine (Daylighting Machine); Manhoist; Material or Stack Hoist; Mechanic or Welder; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tining or Curing Machine; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Premium Increase(s): Crane Operators with CCO certification add \$.50/hr.	38.16	19.10	57.26
512	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Grout Pump; Hoist (Tugger, Automatic); Industrial Locomotives; Jeep Digger; Lift Slab Machine; Mulcher; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	37.47	19.10	56.57

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
513	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Boatmen (NOT Performing Work on the Great Lakes); Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Elevator; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Forklift; Generator (&/or 150 KW or Over); Greaser; Heaters (Mechanical); Loading Machine (Conveyor); Oiler; Post Hole Digger or Driver; Prestress Machine; Pump (3 Inch or Over) or Well Points; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack.	30.44	19.10	49.54
514	Gas or Utility Pipeline, Except Sewer & Water (Primary Equipment). Future Increase(s): Add \$2/hr. on 1/1/2013.	34.89	19.68	54.57
515	Gas or Utility Pipeline, Except Sewer & Water (Secondary Equipment).	31.26	17.40	48.66
516	Fiber Optic Cable Equipment	25.74	15.85	41.59

<b>SEWER, WATER OR TUNNEL CONSTRUCTION</b>
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Includes those projects that primarily involve public sewer or water distribution, transmission or collection systems and related tunnel work (excluding buildings).

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**SKILLED TRADES**

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<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		
		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
103	Bricklayer, Blocklayer or Stonemason	35.53	15.92	51.45
105	Carpenter Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.43	19.31	52.74
107	Cement Finisher Future Increase(s): Add \$1.86 on 6/1/12; Add \$1.87 on 6/1/13; Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	27.14	19.22	46.36
109	Electrician Future Increase(s): Add \$1.40/hr on 6/1/2012. Add \$1.60/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	31.54	20.95	52.49
111	Fence Erector	27.00	0.00	27.00
116	Ironworker Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	31.31	22.22	53.53
118	Line Constructor (Electrical)	35.97	18.08	54.05
125	Pavement Marking Operator	26.00	0.00	26.00
126	Piledriver	28.11	23.94	52.05
130	Plumber	36.18	16.86	53.04
135	Steamfitter	35.81	19.04	54.85
137	Teledata Technician or Installer	24.65	15.17	39.82

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
143	Tuckpointer, Caulker or Cleaner	34.30	15.47	49.77
144	Underwater Diver (Except on Great Lakes)	36.20	18.81	55.01
146	Well Driller or Pump Installer	24.22	14.80	39.02
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	27.42	15.10	42.52
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	28.78	15.16	43.94
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	17.80	9.00	26.80
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	23.38	12.48	35.86
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.30	10.97	32.27

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	23.00	8.64	31.64
203	Three or More Axle	17.54	13.41	30.95
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.50	16.19	38.69
205	Pavement Marking Vehicle	19.25	10.84	30.09
207	Truck Mechanic	17.54	13.41	30.95

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer Future Increase(s): Add \$1.73/hr on 6/4/2012. Premium Increase(s): Add \$1.92 for bottomman; Add \$2.03 for concrete manhole builder, bracer, jointman, or pipelayer; Add \$4.83 for blaster. Add \$2.00 for all tunnel work under 15 lbs. compressed air; Add \$2.00 for 0-30 lbs. compressed air; Add \$3.00 for over 30 lbs. compressed air.	27.72	15.61	43.33

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
303	Landscaper	12.50	2.20	14.70
304	Flagperson or Traffic Control Person	22.50	12.90	35.40
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.09	14.40	31.49
314	Railroad Track Laborer	17.00	1.06	18.06

**HEAVY EQUIPMENT OPERATORS  
SEWER, WATER OR TUNNEL WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
521	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Master Mechanic; Pile Driver.</p> <p>Premium Increase(s):                      Crane Operators with CCO certification add \$.50/hr.                      Cranes with boom length over 200 ft. not exceeding 300 ft. OR lifting capacity over 200 ton not exceeding 300 ton add \$.50/hr. Over 300 ton OR 300 ft. add \$.01/hr. per foot OR ton whichever is greater.</p>	39.16	19.10	58.26
522	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Boring Machine (Directional); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump (Over 46 Meter), Concrete Conveyor (Rotec or Bidwell Type); Concrete Spreader &amp; Distributor; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. &amp; Under; Dredge (NOT Performing Work on the Great Lakes); Milling Machine; Skid Rig; Telehandler; Traveling Crane (Bridge Type).</p> <p>Future Increase(s):                      Add \$2.05/hr on 6/4/2012.</p> <p>Premium Increase(s):                      Add \$.25/hr for operating tower crane.</p>	33.91	18.55	52.46

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
523	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Boring Machine (Horizontal or Vertical); Bulldozer or Endloader (Over 40 hp); Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Concrete Pump (46 Meter & Under), Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Manhoist; Material or Stack Hoist; Mechanic or Welder; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yd or More Capacity; Screed (Milling Machine); Sideboom; Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type Having Over 8-Inch Bucket). Future Increase(s): Add \$2.05/hr on 6/4/2012. Premium Increase(s): Add \$.25/hr for operating tower crane.	32.96	18.55	51.51
524	Backfiller; Broom or Sweeper; Bulldozer or Endloader (Under 40 hp); Compactor (Self-Propelled 85 Ft Total Drum Width & Over, or Tractor Mounted, Towed & Light Equipment); Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Finishing Machine (Road Type); Environmental Burner; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Hoist (Tugger, Automatic); Grout Pump; Jeep Digger; Lift Slab Machine; Mulcher; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Screw or Gypsum Pumps; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Stump Chipper; Tining or Curing Machine; Trencher (Wheel Type or Chain Type Having 8-Inch Bucket & Under); Winches & A-Frames.	30.89	18.12	49.01
525	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Compactor (Self-Propelled 84 Ft Total Drum Width & Under, or Tractor Mounted, Towed & Light Equipment); Crusher, Screening or Wash Plant; Farm or Industrial Type Tractor; Fireman (Asphalt Plant NOT Performing Work on the Great Lakes); Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Loading Machine (Conveyor); Post Hole Digger or Driver; Refrigeration Plant or Freeze Machine; Rock, Stone Breaker; Skid Steer Loader (With or Without Attachments); Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$2.05/hr on 6/4/2012. Premium Increase(s): Add \$.25/hr for operating tower crane.	30.51	18.55	49.06
526	Boiler (Temporary Heat); Forklift; Greaser; Oiler.	29.44	18.10	47.54
527	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	36.20	18.81	55.01

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
528	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	36.20	18.81	55.01
529	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	26.80	18.52	45.32
530	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under), Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	26.80	18.52	45.32

<b>AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION</b>
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Includes all airport projects (excluding buildings) and all projects awarded by the Wisconsin Department of Transportation (excluding buildings).

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**SKILLED TRADES**

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<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		
		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
103	Bricklayer, Blocklayer or Stonemason	32.66	15.92	48.58
105	Carpenter Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	33.43	19.31	52.74
107	Cement Finisher Future Increase(s): Add \$1.86 on 6/1/12; Add \$1.87 on 6/1/13; Add \$1.87 on 6/1/14; Add \$1.87 on 6/1/15; Add \$1.75 on 6/1/16. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.40/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	29.33	17.03	46.36
109	Electrician	31.64	23.78	55.42
111	Fence Erector	35.62	0.00	35.62
116	Ironworker	31.31	21.54	52.85
118	Line Constructor (Electrical)	35.97	18.08	54.05
124	Painter	27.87	14.39	42.26
125	Pavement Marking Operator	27.87	14.39	42.26
126	Piledriver Premium Increase(s): Add \$.65/hr for Piledriver Loftsmen; Add \$.75/hr for Sheet Piling Loftsmen. DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	29.56	24.96	54.52
133	Rofer or Waterproofer	28.85	14.60	43.45
137	Teledata Technician or Installer	24.65	15.17	39.82
143	Tuckpointer, Caulker or Cleaner	34.30	15.47	49.77
144	Underwater Diver (Except on Great Lakes)	36.20	18.81	55.01

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	33.87	16.10	49.97
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	29.64	14.64	44.28
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.18	13.07	38.25
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	23.38	12.48	35.86
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.30	10.97	32.27

### TRUCK DRIVERS

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.35	16.19	38.54
203	Three or More Axle	24.91	15.63	40.54
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1.75/hr on 6/1/2012; Add \$1.85/hr on 6/1/2013. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	22.50	16.19	38.69
205	Pavement Marking Vehicle	23.84	14.70	38.54
206	Shadow or Pilot Vehicle	24.76	15.35	40.11
207	Truck Mechanic	24.91	15.63	40.54

## LABORERS

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer Future Increase(s): Add \$1.60/hr on 6/1/2012; Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014. Premium Increase(s): Add \$.15/hr for air tool operator, joint sawer and filler (pavement), vibrator or tamper operator (mechanical hand operated), chain saw operator and demolition burning torch laborer; Add \$.35/hr for bituminous worker (raker and luteman), formsetter (curb, sidewalk and pavement) and strike off man; Add \$.50/hr for line and grade specialist; Add \$.65/hr for blaster and powderman; Add \$2.01/hr for topman; Add \$2.46/hr for bottomman; Add \$3.23/hr for pipelayer. / DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	24.34	17.85	42.19
302	Asbestos Abatement Worker	22.00	16.86	38.86
303	Landscaper	23.71	15.03	38.74
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2012; Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	20.83	17.85	38.68
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.09	14.40	31.49
314	Railroad Track Laborer	17.00	1.06	18.06

**HEAVY EQUIPMENT OPERATORS  
AIRPORT PAVEMENT OR STATE HIGHWAY CONSTRUCTION**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
531	Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 176 Ft or Over; Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Traveling Crane (Bridge Type). Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	34.22	18.90	53.12
532	Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &/or Jib Lengths Measuring 175 Ft or Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With A Lifting Capacity Of 4,000 Lbs., & Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	33.72	18.90	52.62

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
533	<p>Air Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Asphalt Heater, Planer &amp; Scarifier; Asphalt Milling Machine; Asphalt Screed; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Bituminous (Asphalt) Plant &amp; Paver, Screed; Boatmen (NOT Performing Work on the Great Lakes); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb &amp; Gutter Machine; Concrete Spreader &amp; Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane Wlth a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches &amp; A-Frames.</p> <p>Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	33.22	18.90	52.12

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
534	<p>Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed &amp; Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver &amp; Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine.</p> <p>Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	32.96	18.90	51.86
535	<p>Air Compressor (&amp;/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical &amp; Horizontal); Automatic Belt Conveyor &amp; Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&amp;/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.</p> <p>Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	32.67	18.90	51.57
536	Fiber Optic Cable Equipment.	24.39	15.45	39.84
537	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	36.20	18.81	55.01

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
538	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	36.20	18.81	55.01
539	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or More); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	26.80	18.52	45.32
540	Work Performed on the Great Lakes Including Deck Equipment Operator, Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks-Great Lakes ONLY.	26.80	18.52	45.32

<b>LOCAL STREET OR MISCELLANEOUS PAVING CONSTRUCTION</b>
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Includes roads, streets, alleys, trails, bridges, paths, racetracks, parking lots and driveways (except residential or agricultural), public sidewalks or other similar projects (excluding projects awarded by the Wisconsin Department of Transportation).

<b>SKILLED TRADES</b>
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<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
		<b>\$</b>	<b>\$</b>	<b>\$</b>
103	Bricklayer, Blocklayer or Stonemason	35.53	15.92	51.45
105	Carpenter	29.06	15.16	44.22
107	Cement Finisher	27.57	16.33	43.90
109	Electrician Future Increase(s): Add \$.50/hr. effective 06/04/2012. Premium Increase(s): DOT PREMIUM: Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day.	28.74	17.86	46.60
111	Fence Erector	27.00	0.00	27.00
116	Ironworker	31.31	21.54	52.85
118	Line Constructor (Electrical)	35.97	18.08	54.05
124	Painter	28.47	16.74	45.21
125	Pavement Marking Operator	26.00	0.00	26.00
126	Piledriver	28.11	23.94	52.05
133	Rofer or Waterproofer	28.85	14.60	43.45
137	Teledata Technician or Installer	24.65	15.17	39.82
143	Tuckpointer, Caulker or Cleaner	34.30	15.47	49.77
144	Underwater Diver (Except on Great Lakes)	36.20	18.81	55.01
150	Heavy Equipment Operator - ELECTRICAL LINE CONSTRUCTION ONLY	35.42	12.90	48.32
151	Light Equipment Operator -ELECTRICAL LINE CONSTRUCTION ONLY	28.78	14.42	43.20
152	Heavy Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	25.18	13.07	38.25
153	Light Truck Driver - ELECTRICAL LINE CONSTRUCTION ONLY	23.38	12.48	35.86
154	Groundman - ELECTRICAL LINE CONSTRUCTION ONLY	21.30	10.97	32.27

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	15.00	0.00	15.00
203	Three or More Axle	20.00	6.00	26.00
204	Articulated, Euclid, Dumptor, Off Road Material Hauler Future Increase(s): Add \$1/hr on 6/3/2012; Add \$1/hr on 6/2/2013.	31.89	17.98	49.87
205	Pavement Marking Vehicle	19.25	10.84	30.09
206	Shadow or Pilot Vehicle	15.00	0.00	15.00
207	Truck Mechanic	20.00	6.00	26.00

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer	21.73	17.04	38.77
303	Landscaper	22.96	15.37	38.33
304	Flagperson or Traffic Control Person Future Increase(s): Add \$1.60/hr on 6/1/2012; Add \$1.70/hr on 6/1/2013; Add \$1.60/hr on 6/1/2014. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr when the Wisconsin Department of Transportation or responsible governing agency requires that work be performed at night under artificial illumination with traffic control and the work is completed after sunset and before sunrise.	23.55	13.45	37.00
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.09	14.40	31.49
314	Railroad Track Laborer	17.00	1.06	18.06

**HEAVY EQUIPMENT OPERATORS  
CONCRETE PAVEMENT OR BRIDGE WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
541	<p>Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self-Erecting Tower Crane With a Lifting Capacity Of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.</p> <p>Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	34.22	18.90	53.12
542	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity of 4,000 Lbs. &amp; Under; Crane, Tower Crane Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.</p> <p>Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	33.72	18.90	52.62

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
543	Air Track, Rotary or Percussion Drilling Machine &/or Hammers, Blaster; Automatic Subgrader (Concrete); Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. & Under); Boring Machine (Directional, Horizontal or Vertical); Bridge (Bidwell) Paver; Bulldozer or Endloader; Concrete Batch Plant, Batch Hopper; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Straddle Carrier or Travel Lift; Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches & A-Frames.	31.89	18.22	50.11
544	Backfiller; Belting, Burlap, Texturing Machine; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler; Tining or Curing Machine. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14. Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).	33.22	18.90	52.12

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
545	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Concrete Proportioning Plant; Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack.	30.42	17.58	48.00
546	Fiber Optic Cable Equipment.	24.39	15.45	39.84
547	Work Performed on the Great Lakes Including Diver; Wet Tender or Hydraulic Dredge Engineer.	36.20	18.81	55.01
548	Work Performed on the Great Lakes Including 70 Ton & Over Tug Operator; Assistant Hydraulic Dredge Engineer; Crane or Backhoe Operator; Hydraulic Dredge Leverman or Diver's Tender; Mechanic or Welder.	36.20	18.81	55.01
549	Work Performed on the Great Lakes Including Deck Equipment Operator or Machineryman (Maintains Cranes Over 50 Tons or Backhoes 115,000 Lbs. or more); Tug, Launch or Loader, Dozer or Like Equipment When Operated on a Barge, Breakwater Wall, Slip, Dock or Scow, Deck Machinery.	26.80	18.52	45.32
550	Work Performed on the Great Lakes Including Deck Equipment Operator; Machineryman or Fireman (Operates 4 Units or More or Maintains Cranes 50 Tons or Under or Backhoes 115,000 Lbs. or Under); Deck Hand, Deck Engineer or Assistant Tug Operator; Off Road Trucks - Great Lakes ONLY.	26.80	18.52	45.32

**HEAVY EQUIPMENT OPERATORS  
ASPHALT PAVEMENT OR OTHER WORK**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
551	Crane, Tower Crane, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of Over 100 Tons, Self Erecting Tower Crane With a Lifting Capacity of Over 4,000 Lbs., Crane With Boom Dollies; Crane, Tower Crane, Pedestal Tower or Derrick, With Boom, Leads and/or Jib Lengths Measuring 176 Ft or Over; Master Mechanic.	38.06	18.10	56.16

**Fringe Benefits Must Be Paid On All Hours Worked**

<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u> \$	<u>HOURLY FRINGE BENEFITS</u> \$	<u>TOTAL</u> \$
552	<p>Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of 130,000 Lbs. or Over; Caisson Rig; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With or Without Attachments, With a Lifting Capacity of 100 Tons or Under, Self-Erecting Tower Crane With a Lifting Capacity Of 4,000 Lbs. &amp; Under; Crane, Tower Crane, Portable Tower, Pedestal Tower or Derrick, With Boom, Leads &amp;/or Jib Lengths Measuring 175 Ft or Under; Dredge (NOT Performing Work on the Great Lakes); Licensed Boat Pilot (NOT Performing Work on the Great Lakes); Pile Driver.</p> <p>Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.</p> <p>Premium Increase(s): DOT PREMIUMS: 1) Pay two times the hourly basic rate on Sunday, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day &amp; Christmas Day. 2) Add \$1.25/hr for work on projects involving temporary traffic control setup, for lane and shoulder closures, when work under artificial illumination conditions is necessary as required by the project provisions (including prep time prior to and/or cleanup after such time period).</p>	33.72	18.90	52.62
553	<p>Air, Track, Rotary or Percussion Drilling Machine &amp;/or Hammers, Blaster; Asphalt Heater, Planer &amp; Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type) Having a Mfgr.'s Rated Capacity of Under 130,000 Lbs., Backhoe (Mini, 15,000 Lbs. &amp; Under); Bituminous (Asphalt) Plant &amp; Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Conveyor System; Concrete Laser/Screed; Concrete Slipform Placer Curb &amp; Gutter Machine; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Forestry Equipment, Timbco, Tree Shear, Tub Grinder, Processor; Gradall (Cruz-Aire Type); Grader or Motor Patrol; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Post Hole Digger or Driver; Railroad Track Rail Leveling Machine, Tie Placer, Extractor, Tamper, Stone Leveler or Rehabilitation Equipment; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Sideboom; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Trencher (Wheel Type or Chain Type); Tube Finisher; Tugger (NOT Performing Work on the Great Lakes); Winches &amp; A-Frames.</p>	31.52	17.50	49.02

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
554	Backfiller; Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Environmental Burner; Farm or Industrial Type Tractor; Fireman (Asphalt Plant, Pile Driver & Derrick NOT Performing Work on the Great Lakes); Forklift; Greaser; Hoist (Tugger, Automatic); Jeep Digger; Joint Sawyer (Multiple Blade); Launch (NOT Performing Work on the Great Lakes); Lift Slab Machine; Mechanical Float; Mulcher; Power Subgrader; Robotic Tool Carrier (With or Without Attachments); Roller (Rubber Tire, 5 Ton or Under); Self-Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Telehandler. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.	32.67	18.55	51.22
555	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Augers (Vertical & Horizontal); Automatic Belt Conveyor & Surge Bin; Boiler (Temporary Heat); Crusher, Screening or Wash Plant; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Mudjack; Oiler; Prestress Machine; Pug Mill; Pump (3 Inch or Over) or Well Points; Rock, Stone Breaker; Screed (Milling Machine); Stump Chipper; Tank Car Heaters; Vibratory Hammer or Extractor, Power Pack. Future Increase(s): Add \$2/hr on 6/1/12; Add \$2/hr on 6/1/13; Add \$1.75/hr on 6/1/14.	32.67	18.55	51.22
556	Fiber Optic Cable Equipment.	24.39	15.45	39.84

<b>RESIDENTIAL OR AGRICULTURAL CONSTRUCTION</b>
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Includes single family houses or apartment buildings of no more than four (4) stories in height and all buildings, structures or facilities that are primarily used for agricultural or farming purposes, excluding commercial buildings. For classification purposes, the exterior height of a residential building, in terms of stories, is the primary consideration. All incidental items such as site work, driveways, parking lots, private sidewalks, private septic systems or sewer and water laterals connected to a public system and swimming pools are included within this definition. Residential buildings of five (5) stories and above are NOT included within this definition.

<b>SKILLED TRADES</b>
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<u>CODE</u>	<u>TRADE OR OCCUPATION</u>	<u>HOURLY BASIC RATE OF PAY</u>	<u>HOURLY FRINGE BENEFITS</u>	<u>TOTAL</u>
		\$	\$	\$
101	Acoustic Ceiling Tile Installer	27.00	1.16	28.16
102	Boilermaker	31.09	21.87	52.96
103	Bricklayer, Blocklayer or Stonemason	26.22	13.80	40.02
104	Cabinet Installer	26.00	2.33	28.33
105	Carpenter	31.68	7.03	38.71
106	Carpet Layer or Soft Floor Coverer	21.40	6.01	27.41
107	Cement Finisher	28.00	10.10	38.10
108	Drywall Taper or Finisher Future Increase(s): Add \$2.20/hr on 6/1/2012	28.97	17.74	46.71
109	Electrician	31.10	6.01	37.11
110	Elevator Constructor	43.79	25.48	69.27
111	Fence Erector	17.64	4.66	22.30
112	Fire Sprinkler Fitter	36.39	16.97	53.36
113	Glazier	36.23	8.04	44.27
114	Heat or Frost Insulator	29.04	19.73	48.77
115	Insulator (Batt or Blown)	11.00	2.51	13.51
116	Ironworker	23.05	4.06	27.11
117	Lather	28.15	15.14	43.29
119	Marble Finisher	31.16	16.27	47.43
120	Marble Mason	35.53	15.92	51.45
121	Metal Building Erector	15.19	2.00	17.19
123	Overhead Door Installer	23.00	8.00	31.00
124	Painter	23.00	2.81	25.81

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
125	Pavement Marking Operator	26.00	0.00	26.00
129	Plasterer	30.36	7.15	37.51
130	Plumber	37.42	17.92	55.34
132	Refrigeration Mechanic	25.00	0.51	25.51
133	Rofer or Waterproofor Future Increase(s): Add \$.50/hr. effective 06/01/2012	29.40	15.05	44.45
134	Sheet Metal Worker	28.15	15.14	43.29
135	Steamfitter	32.59	11.05	43.64
137	Teledata Technician or Installer	19.23	5.32	24.55
138	Temperature Control Installer	22.00	2.64	24.64
139	Terrazzo Finisher	18.00	5.35	23.35
140	Terrazzo Mechanic	31.16	16.27	47.43
141	Tile Finisher	23.96	15.50	39.46
142	Tile Setter	27.00	1.91	28.91
143	Tuckpointer, Caulker or Cleaner	32.50	1.62	34.12
146	Well Driller or Pump Installer	27.60	0.00	27.60
147	Siding Installer	16.00	0.00	16.00

**TRUCK DRIVERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
201	Single Axle or Two Axle	16.25	2.25	18.50
203	Three or More Axle	17.00	7.63	24.63
205	Pavement Marking Vehicle	19.25	10.84	30.09
207	Truck Mechanic	19.00	1.75	20.75

**LABORERS**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
301	General Laborer	17.50	6.16	23.66
302	Asbestos Abatement Worker	17.00	2.21	19.21
303	Landscaper	11.00	2.07	13.07
311	Fiber Optic Laborer (Outside, Other Than Concrete Encased)	17.09	14.40	31.49

**HEAVY EQUIPMENT OPERATORS  
RESIDENTIAL OR AGRICULTURAL CONSTRUCTION**

<b>Fringe Benefits Must Be Paid On <u>All</u> Hours Worked</b>		<b>HOURLY BASIC RATE OF PAY</b>	<b>HOURLY FRINGE BENEFITS</b>	<b>TOTAL</b>
<b>CODE</b>	<b>TRADE OR OCCUPATION</b>	<b>\$</b>	<b>\$</b>	<b>\$</b>
557	Asphalt Heater, Planer & Scarifier; Asphalt Milling Machine; Asphalt Screed; Backhoe (Track Type); Backhoe (Mini, 15,000 Lbs. & Under); Bituminous (Asphalt) Plant & Paver, Screed; Boring Machine (Directional, Horizontal or Vertical); Bulldozer or Endloader; Concrete Breaker (Large, Auto, Vibratory/Sonic, Manual or Remote); Concrete Bump Cutter, Grinder, Planing or Grooving Machine; Concrete Conveyor System; Concrete Laser/Screed; Concrete Paver (Slipform); Concrete Pump, Concrete Conveyor (Rotec or Bidwell Type); Concrete Slipform Placer Curb & Gutter Machine; Concrete Spreader & Distributor; Crane (Carry Deck, Mini) or Truck Mounted Hydraulic Crane (10 Tons or Under); Crane With a Lifting Capacity of 25 Tons or Under; Crane, Shovel, Dragline, Clamshells; Forestry Equipment, Timberco, Tree Shear, Tub Grinder, Processor; Grader or Motor Patrol; Grout Pump; Hydro-Blaster (10,000 PSI or Over); Loading Machine (Conveyor); Manhoist; Material or Stack Hoist; Mechanic or Welder; Milling Machine; Roller (Over 5 Ton); Scraper (Self Propelled or Tractor Drawn) 5 cu yds or More Capacity; Shoulder Widener; Skid Rig; Stabilizing or Concrete Mixer (Self-Propelled or 14S or Over); Tractor (Scraper, Dozer, Pusher, Loader); Tractor or Truck Mounted Hydraulic Backhoe; Tractor or Truck Mounted Hydraulic Crane (10 Tons or Under); Trencher (Wheel Type or Chain Type); Winches & A-Frames.	32.56	10.76	43.32
558	Air Compressor (&/or 400 CFM or Over); Air, Electric or Hydraulic Jacking System; Backfiller; Belting, Burlap, Texturing Machine; Boiler (Temporary Heat); Broom or Sweeper; Compactor (Self-Propelled or Tractor Mounted, Towed & Light Equipment); Concrete Finishing Machine (Road Type); Farm or Industrial Type Tractor; Forklift; Generator (&/or 150 KW or Over); Heaters (Mechanical); High Pressure Utility Locating Machine (Daylighting Machine); Jeep Digger; Lift Slab Machine; Mulcher; Oiler; Post Hole Digger or Driver; Power Subgrader; Pump (3 Inch or Over) or Well Points; Robotic Tool Carrier (With or Without Attachments); Rock, Stone Breaker; Roller (Rubber Tire, 5 Tons or Under); Screed (Milling Machine); Self Propelled Chip Spreader; Shouldering Machine; Skid Steer Loader (With or Without Attachments); Stump Chipper; Telehandler; Vibratory Hammer or Extractor, Power Pack.	17.40	0.44	17.84

\*\*\*\*\* END OF RATES \*\*\*\*\*

SECTION 01010: SUMMARY OF WORK:

1. SCOPE:

A. Index:

1. Scope
2. Project Description
3. Work by Others
4. Scheduling of Work

2. PROJECT DESCRIPTION:

- A. In general, the project includes providing labor materials, and equipment required to maintain the heating, ventilating, air conditioning systems owned by the City of Milwaukee in proper working order at the following locations.

Anderson Municipal Building – 4001 South 6<sup>th</sup> Street  
Tow Lot – 3811 West Lincoln Avenue  
Lincoln Garage – 3921 West Lincoln Avenue  
Northwest Garage – 3025 West Ruby Avenue  
Municipal Service Building – 1540 West Canal Street  
Traffic Sign Shop – 1430 West Canal Street  
Safety Academy – 6680 North Teutonia Avenue  
Forestry/Sanitation – Central – 5230 West State Street  
Central Repair Garage – 2142 West Canal St.  
Forestry/Sanitation – North – 6732 North Industrial  
Forestry – South – 2024 West Holt Avenue  
Parking Enforcement – 123 North 25<sup>th</sup> Street  
DPW Field Headquarters – 3850 North 35<sup>th</sup> Street

- B. An interview will be conducted prior to the award of this contract.
- C. The contractor must maintain all equipment in good working order at all locations, and the contractor shall be required to leave all work areas in a clean and debris free condition after a service call.
- D. The contractor must have qualified and factory – trained technicians to work on the systems and peripheral equipment and these individuals should be identified with the bid. The city requires a continuity of four (4) individuals who are deemed qualified by the City of Milwaukee. Only individuals who pass a background check and the minimum required qualifications will be allowed to enter city buildings.
- E. Service personnel must completely fill out the city's Computerized Maintenance Management System (CMMS) demand and preventive maintenance forms, including time, material used, description of problem, building in need of service, etc. A signed copy must be left with the City of Milwaukee upon completion of each job. If service performed is a billable item not covered in this contract, the CMMS must be approved by the City prior to the submittal of the report.
- F. Upon awarding of a contract, the Contractor shall meet with Facilities Development and

Management personnel responsible for this contract at a Pre-Construction meeting. This meeting shall be used to:

- 1) Determine Preventive Maintenance Schedules
  - 2) Review contract documents
  - 3) Determine access to buildings and equipment
  - 4) Familiarize contractor with city rules and security requirements
  - 5) Select Safety Academy personnel as per Milwaukee Police Department security policy
- G. The contractor, under this agreement, shall meet with the City as needed to discuss any problems, equipment changes, new equipment and supply training, as needed, etc., throughout the year.
- H. Failure to meet performance requirements is reason for termination of this service contract.

3. WORK BY OTHERS:

- A. All line voltage electrical work will be performed by City forces.
- B. All environmental issues will be performed by others.

4. SCHEDULING OF WORK:

- A. All work is to be performed Monday through Friday (excluding holidays), from 7:30 AM to 4:30 PM.
- B. Various Divisions will continue to occupy the existing buildings and will carry on operations at the existing sites. The contractor is to coordinate all work with the City to minimize impact to its operations and ensure the safety of its personnel and property. The Operations Division intends to cooperate with and make reasonable accommodations for the contractor when necessary to facilitate the project.
- C. At the Pre-Construction Meeting arranged by the City, and prior to commencing of any work or delivery of equipment or material, the contractor is to provide copy of a specific schedule detailing commencement and duration of all phases of work.
- D. The term of this contract is June 1, 2012 thru May 31, 2013. Indicated below is the intended schedule for the maintenance of all equipment included in the scope of this contract. This same schedule shall be adhered to during any extensions of the contract.

FREQUENCY

Once per year  
Twice per year  
Three times per year  
Four times per year

MONTHS TO BE PERFORMED

June  
June and December  
June, October, and February  
June, September, December and March

SECTION 01300: SUBMITTALS/PERMITS

1. SCOPE:

A. Index:

1. Scope
2. Submittals
3. Permits
4. Inspection

2. SUBMITTALS:

A. Comply with the requirements of the General Conditions and as follows:

1. Forward Submittals not more than 20 calendar days after the Notice to Proceed date. No work, as indicated on any shop drawing, samples, hardware list, etc., shall be started until those submittals have been reviewed and work authorized.
2. All submittals must be thoroughly reviewed by the prime contractor for conformance to contract documents, prior to submission to the City, or its agents, for review. Shop drawings and catalog information shall be stamped "Reviewed By" and signed by the contractor's reviewer. The prime contractor shall review all subcontractor submittals prior to submittal to the City for compliance with contract documents and to coordinate all work.
3. Include with each submittal a transmittal letter signed and dated by the prime contractor containing the following:
  - a. Name of Contractor
  - b. Name of Project
  - c. List of Submittals
  - d. Name of Manufacturer or Supplier
  - e. Additional information as required for the items being provided.

3. PERMITS:

- A. The City of Milwaukee will provide the general building and occupancy permits.
- B. Contractors shall obtain, from the City of Milwaukee Department of City Development and/or other government or private agencies, all special permits as may be necessary in their work.
- C. Contractors shall obtain all permits to occupy or work in the public way as may be necessary for their work.
- D. Contractors shall notify the City and/or appropriate utilities when making utility connections as part of the project.

4. INSPECTION:

- A. Facilities Development and Management will provide daily inspection to verify compliance with contract documents, identify contractors and crews on the job, verify compliance with contract conditions (M/W/SBE, residency, wage requirements), and record job progress and conditions.
- B. Contractors shall arrange with the Department of Neighborhood Services/Construction Trades Division and permit issuing agencies for all code compliance inspections as required by all permits including, but not limited to, the general building and all special permits issued by that agency.
- C. Contractors shall arrange with the appropriate City agency for compliance inspections, as required, for all permits including, but not limited to, curb and pavement cuts and patches, and public way occupancy and utility connections.

SECTION 01500: JOB SITE UTILITIES, FACILITIES, AND SECURITY

1. SCOPE:

A. Index:

1. Scope
2. Building Security
3. Occupancy During Construction
4. Temporary Hoists, Lifts
5. Temporary Ladders, Scaffolds
6. Electrical Power
7. Water
8. Toilet Facilities
9. Barricades and Signage

2. BUILDING SECURITY:

A. General:

The Downtown Complex is open to the public from 8:00 AM until 4:45 PM, Monday through Friday, excluding holidays. Since most contracted work takes place outside normal business hours, it is essential that contractors and their City agents understand and abide by security policy.

Outlying buildings are not generally open to the public. Contracted work in these buildings can take place at any time. It is essential that contractors and their City agents understand and abide by security policy.

B. Scope:

At the beginning of any project, a copy of this policy and procedure statement will be added to the project manual for bid consideration and shall be distributed at the Pre-Construction Meeting. All City agents/officials responsible for engaging contractors, all contractors, and all subcontractors shall be held responsible for following the procedures.

C. City Agents/Officials:

1. Any City agents/officials who commission outside contractors to work in any of the facilities managed by Facilities Development and Management shall provide the following information no less than twenty-four (24) hours in advance of the work.

- a. The names of the any contract or subcontract employees who will be present in the facilities (for the purpose of designing badges appropriate to their work area):

Green – Zeidler Municipal Building, 841 North Broadway  
Red – City Hall, 200 East Wells Street  
Yellow – 809 North Broadway  
Gold – Any outlying buildings

These names must be listed on a sign-in sheet available in the Zeidler Municipal Building, Room 602 (Facilities Development and Management support staff – Extension 8222). City agents/officials shall be responsible to

ensure the sheet and badges are transported to the appropriate location where the work is to be completed (in the Downtown Complex it would go to the City Hall Information Center, for outlying buildings to the person responsible for controlling access in the facility) the day before work is to begin.

- b. A list of keys and/or access cards required for access only to the areas necessary for work involved in the project. The keys and card will be received from the Facilities Development and Management and signed out to the City agents/officials responsible for the contracted work. The City employee will take the keys and/or access cards to the City Hall Information Center or the person responsible for controlling access in the outlying building where they shall be logged under the name of the contractor's company. When a project is complete, the City agents/officials must retrieve the keys/cards and return them to Buildings and Fleet Services support staff in Room 602 of the Zeidler Municipal Building.
- c. The City agents/officials are responsible for communicating the security policy and procedures to contractors. The City agents/officials shall act as liaison for all communication between Facilities Development and Management and the contractor.

D. Contractors:

- 1. Contractors shall abide by City security policy and procedures at all times during the scope of their participation in a project. Failure to comply will result in the contracted employee being escorted from the premises and the resulting lost time and expense shall be deducted from the contractor's invoice or penalties of \$50.00 per occurrence as determined by the contracting City agent/official.
  - a. All access should be provided in advance through the City agent/official. Contractors shall enter and exit only through those doors designated by City agents/officials (the Market Street entrance to City Hall and the doors established by the person responsible for access at outlying buildings). All other exterior doors are locked and alarmed and are not to be used as delivery points unless the City agent/official has been provided 24 hour notification to provide additional security coverage at that point while the delivery is in progress.
  - b. All of the contractor's employees and all of the employees of any of his subcontractors shall wear at all times while on the site, in a clearly visible location, an identification card. The identification card is to have a minimum 1" x 1" color photo of the head and shoulders. The photo is to have been taken No more than one year previously. The card is to be laminated with clear plastic and is to contain the company name, employee's name, and the employee's signature, and is to be furnished by the contractor or respective subcontractor.
  - c. **Effective October 1, 2004 – City of Milwaukee Policy Change**

The following policy has been established to maintain control of City Property and to ensure the physical protection of the City Hall Complex.

**Anyone** signing out access cards and/or keys from the Information Center will be following the steps below.

- 1. Sign in on the sheet assigned to the project you are working on and pull that sheet and provide it to the Operator noting that you will need to sign

out City property to access the building.

2. Provide the Operator your driver's license as collateral for the return of City property.
3. Sign out the property in the sign out book as per current policy.
4. The Operator will file your driver's license until such time as you sign in and return the City property at which time your license will be returned.
5. Sign out at the end of your workday on the sign out sheet.

Under NO circumstances will keys or cards be disbursed without the user signing for the property and providing the City Hall Operator their driver's license as collateral.

In the event that keys or cards are not returned daily the contractor in question will have a deduct (security violation) as per the contract. Individuals who loose or fail to return keys will be responsible for the cost of re-keying to the City.

Contractors will sign in on pre-approved forms and also wear the City identification badges (also to be worn at all times on the premises). Keys or access cards will be signed out as provided by the City agent/official and required for the work. These keys, cards, and badges must be returned at the end of each shift before signing out. Failure to do so will result in a \$50.00 penalty for each occurrence.

- d. Contractors shall not ask custodians or mechanics to unlock doors. All access should be provided in advance through the City agent/official. In the rare case where access is not provided, the City Hall Operator may be contacted to assist in providing access. The contractor shall cooperate with security personnel at all times. The contractor should be prepared to allow searches of equipment when leaving, and should remain only in the areas designated on the sign-in sheets. Security will question a contractor who has an identification badge that indicates a work area other than the area he or she is in.
- e. If the contractor requires use of the loading dock in Upper Parking, 24 hour advance notice shall be given to the City agent/official to make arrangements to provide additional security coverage while the delivery is in progress. The contractor or subcontractor shall meet the delivery driver and take delivery at the point. At no time shall a driver be allowed in the facilities without following the access procedure stated above.
- f. If after normal business hours work is required in the outlying buildings, all subcontractors and trades will arrange appropriate security measures and lock-up procedures with the contractor in writing. Any work completed at night shall be left "open" for City Inspection of the work. The contractor shall notify the City agent/official 24 hours in advance of after-hours work in writing, indicating the type of work to be done and the security measures to be taken by the contractor.
- g. The contractor shall provide plywood door and window closures during construction to secure the structure from weather and damage from vandalism. The contractor is responsible to maintain the security of the space where they are working during construction.

- h. If proper notification is not provided to the contractor, the subcontractor or trades shall be liable for any subsequent damage/vandalism/inspection cost, etc. due to lack of security/inspection coordination.
- i. Use of City materials is strictly prohibited unless pre-arranged through the City employee contact.
- j. At no time shall any interior doors that control access or exterior doors be propped open.

3. OCCUPANCY DURING CONSTRUCTION:

The owner will occupy the premises while work is in progress. Contractor is to coordinate his work as to not interfere with the owner's operation or compromise building security.

4. TEMPORARY HOISTS, LIFTS:

Contractors and subcontractors requiring hoists or lifts shall provide their own and remove upon completion of work.

5. TEMPORARY LADDERS, SCAFFOLDS:

- A. Contractors and subcontractors requiring scaffolds, chutes, and ladders shall provide their own and remove them upon completion of work.
- B. Each contractor shall furnish and maintain equipment such as fixed ladders, chutes, and the like as required for proper execution of their work.

6. ELECTRICAL POWER:

- A. Contractor may use existing outlets for power. Contractor is to supply his own extension cords. All current used will be provided and paid by the City of Milwaukee.
- B. OSHA regulations require that employers must either ground fault circuit interrupters or an assured equipment grounding conductor problem in addition to any other regulations for equipment grounding conductors.

7. WATER:

Contractor may use existing hose bibs for water. Contractor is to supply his own hoses. Contractor's hoses shall be leak free and contractor is to regulate the flow to limit it to project related use. The cost of the water will be paid for by the City.

8. TOILET FACILITIES:

Contractor may use existing toilet facilities in the building but will then be responsible to ensure that the facility is kept in a sanitary condition.

9. BARRICADES AND SIGNAGE:

Contractor is to provide barricades and signage as required by OSHA and City/State Codes for their work.



SECTION 01600: MATERIALS AND EQUIPMENT

1. SCOPE:

A. Index:

1. Scope
2. Materials
3. Equipment
4. Hazardous Material Requirements
5. Material Storage
6. Protection
7. Revisions

2. MATERIALS:

- A. Furnish materials of the type, qualities, and characteristics specified. The specification of a trade name and catalog number is intended to establish quality, type, character, and operating characteristics of the material required. Materials by other manufacturers of equal specifications will be accepted, excepting as may be specifically stated otherwise.
- B. Materials shall be delivered adequately protected, in merchantable condition, and in original unbroken packages if normally packaged. They shall be stored and handled so as to protect and maintain their merchantable condition.
- C. The Commissioner of Public Works or his representative shall have the right to reject material not in compliance with the project manual, as well as damaged material, and the contractor shall remove such material from the construction site when and as directed.

3. EQUIPMENT:

- A. Internal combustion engine and compressor shall be equipped with mufflers to reduce noise to a minimum and shall not be operated in enclosed areas without adequate ventilation.
- B. All materials and work procedures used shall be in accordance with all air pollution control regulations in effect at the work site.

4. HAZARDOUS MATERIAL REQUIREMENTS:

- A. The requirements set forth in the OSHA Hazard Communication Standard, 29CFR19101.1200, U.S. Environmental Protection Agency (EPA), and Wisconsin Department of Natural Resources in the Wisconsin Administrative Code NR600, shall be met by each on-site contractor.

1. Material Safety Data Sheets (M.S.D.S.):

- a. All contractors, which may/may not include the City of Milwaukee, shall provide the M.S.D.S. for all hazardous chemicals to which any person may be exposed at the work site.
- b. A master list will be kept in the office of the Project Supervisor/Construction Manager and updated as materials are delivered.

2. Container Labeling:

a. Each container of hazardous material at the work site shall be clearly labeled with:

- (1) Identity of the hazardous chemical(s).
- (2) Appropriate hazard warning(s).
- (3) Name and address of the manufacturer.

B. The City of Milwaukee reserves the right to stop the work of a contractor if compliance with OSHA regulations is inadequate. Work will not proceed until all applicable safety and health procedures are implemented by the contractor.

5. MATERIAL STORAGE:

A. The storage areas shall be kept in good order and free of all rubbish and debris.

B. Coordinate the delivery and storage of all materials and equipment with the Facilities Development and Management Project Inspector.

6. PROTECTION:

A. The premises and the work shall be adequately protected from damage from the commencement of work to the date of final acceptance.

B. All construction work and traffic shall remain within the construction area.

C. All damage shall be corrected or repaired by the contractor or contractors causing same at his or their own expense.

D. All open pipes, pipe threads, fittings, and insulation must be protected during construction.

7. REVISIONS:

The right is reserved to make modifications to a reasonable extent as building conditions may require, or as may be required to conform to code rulings, or manufacturer's standards without extra cost to the City.

SECTION 01700: CLEANING AND PROJECT CLOSE-OUT

1. SCOPE:

A. Index:

1. Scope
2. General
3. Safety Cleaning
4. Disposal
5. Charges

2. GENERAL:

Article 2.5.4 of the General Requirements of City of Milwaukee Department of Public Works shall be supplemented as specified hereinafter.

3. SAFETY CLEANING:

Safety cleaning: Each contractor is responsible for safety cleaning, which includes but is not limited to the following:

- A. Keep work areas, passageways, ramps, stairs, free of debris and scrap.
- B. Form and scrap lumber shall have nails withdrawn or bent over and lumber shall be stacked or removed.
- C. Remove spills of oil, grease, or other liquids immediately or sprinkle with sand.

4. DISPOSAL:

- A. No burning of rubbish or debris will be allowed at site. No rubbish shall be thrown through opening or from heights without proper protection. Where dust will be generated or flying debris is likely to occur, provide dust tight chutes or other means to control dust.
- B. Containers: Contractor shall provide mobile industrial type waste containers in the number and size required, placed at adequate locations to handle debris or provide other methods of disposing of debris.
- C. Oil, flammable or hazardous wastes such as, but not limited to, caustics, acids, harmful dusts, etc., shall be placed in properly marked containers as necessary and disposed of at a site designed for such wastes.

5. CHARGES:

- A. If prime contractors do not remove rubbish or clean building as specified above, owner reserves right to have work done by others at contractor's expense.
- B. Employees of the owner who are required to clean up any rubbish or to sweep any floors will record all hours involved to complete such work. The cost incurred by the owner for this special cleaning and sweep-up work shall be charged against the contract price of the contractor as determined by owner.

SECTION 15000: HVAC GENERAL PROVISIONS

1. SCOPE

A. Applicable requirements of Instructions to Bidders and General and Special Conditions of contract apply to work specified in this section.

B. Index:

1. Scope
2. Term of contract
3. Contract cancellation
4. General Requirements
5. Inspection of Facilities and Equipment
6. References and Letter of Transmittal
7. Replacement Parts and Materials
8. Work Not Covered Under This Contract
9. Equipment
10. Listing of Equipment
11. List of Tasks to be Performed

2. TERM OF CONTRACT:

A. Contract period shall be for one (1) year commencing on June 1, 2012 thru May31, 2013, subject to four (4) one year renewals if agreeable to both the City and the Contractor.

B. This contract shall be subject to an annual review and evaluation. The contract may be cancelled by the City provided written notice is mailed to the contractor 60 days prior to each anniversary date.

3. CONTRACT CANCELLATION:

A. Should the contractor fail to comply with the requirements set forth in this project manual, the City may terminate the contract with written notice. The City shall be the sole judge of compliance. Additionally, the City reserves the right to cancel the contract at any time for convenience with or without cause.

B. Should the contractor fail, or be unable for any reason to make any needed adjustment or repairs required by the specifications, the City reserves the right to have such adjustments or repairs performed by an outside firm. The cost of such adjustments or repairs shall be deducted from any monies due to the contractor.

4. GENERAL REQUIREMENTS:

A. The Contractor shall provide all labor, material and equipment required to perform all the maintenance tasks listed in the document entitled Mechanical Equipment Tasks to be Performed, dated March, 2012 on all of the equipment listed in the document entitled Mechanical Equipment Maintenance List, dated March, 2012. All maintenance tasks shall be performed at the frequency shown on the Equipment lists. Both documents, Mechanical

Equipment Tasks to be Performed and Mechanical Equipment Maintenance List are attached and made a part of these specifications by this reference.

- C. All work done under this contract shall be executed in a thorough, substantial, and workmanlike manner by experienced mechanics.
- D. Manufacturer's recommendations shall be followed in the maintenance and installation of all parts and equipment.
- E. No changes may be made in pipe or duct size, or grill configuration without approval from the City.
- F. Should contractor be called back within ten (10) working days to repair the same problem on a piece of equipment, the contractor shall repair the equipment at no additional cost to the City.
- G. If the Contractor while performing routine maintenance discovers problems or deficiencies with any equipment which is beyond the scope of this contract, the Contractor shall notify the City of such problems or deficiencies immediately.
- H. The Contractor shall not perform any repair or replacement of any equipment or parts of equipment beyond the scope of this contract without the authorization of the City of Milwaukee and shall receive no compensation for any work performed outside the scope of this contract unless authorized by the City.

5. INSPECTION OF FACILITIES AND EQUIPMENT:

- A. Each contractor shall visit each site and examine each piece of equipment to determine the condition of each piece of equipment and to verify the accuracy of the information supplied for each piece of equipment. No adjustments to the contract price shall be allowed should the information provided for the equipment be in error.

6. REFERENCES AND LETTER OF TRANSMITTAL:

- A. Each Bidder shall submit a letter of transmittal setting forth the following information with his bid:
  - 1. A statement that the bidder is regularly engaged in the business of installing and/or servicing equipment of the type and character of equipment covered by these specifications.
  - 2. A listing of four (4) service/maintenance personnel directly employed by the bidder, indicating the name, job classification, factory training certificates, length of time each has been employed by the bidder, and the amount of experience each has had in maintaining equipment of the same type and manufacturer as covered by these specifications. The City reserves the right to reject any person they feel does not have sufficient experience. Updated information shall be submitted to the City if personnel changes are made during the contract.
  - 3. A complete description and location of the bidder's service and warehouse facilities available for furnishing maintenance on the equipment covered by these specifications.
  - 4. A statement that the bidder has, with his/her own organization, and not by or through a subcontractor, a record of successful experience in the installation and servicing of the type of equipment covered by this contract.
  - 5. A list of three (3) other projects of similar nature which the bidder has successfully, with his/her own personnel and not by or through a subcontractor, maintained in the past five years. The

bidder must list projects which are similar in terms of equipment size, type, and capacity that the bidder will be servicing under this contract.

6. The bidder shall certify that all service shall be conducted by their own organization and not through a subcontractor, unless approved by the City.
7. The bidder shall list items not specified or covered in this specification. The City will determine if such items are required for this contract.

7. REPLACEMENT PARTS AND MATERIALS:

- A. The Contractor shall supply all parts and materials required to perform the tasks required including but not limited to belts, filters, lubricants, fluids, etc.
- B. The maintenance contractor shall assure, or present satisfactory evidence that he is able to acquire replacement parts of suitable and genuine manufacture from a reliable source, that such part or parts shall be compatible or interchangeable with the work or defective part replaced, without damage to the equipment. All parts used for replacement shall be new parts. Parts installed in existing systems, unless otherwise approved by the City of Milwaukee, shall be of the same manufacturer as the original part and shall be completely compatible with the existing system in both function and performance.
- C. The Contractor shall maintain an adequate supply of parts and materials required in order to perform the tasks required without delay and within the required frequency and schedule.

8. WORK NOT COVERED UNDER THIS CONTRACT:

- A. The following items are NOT covered by the terms and conditions of this agreement:
  1. Work resulting from adjustment, repair or alteration by parties not authorized by the Contractor or City.
  2. Normal daily and weekend functions of stopping and starting equipment.
  3. The guarantee of room conditions or systems performance of the mechanical equipment covered hereunder.
  4. Piping other than refrigerant piping.
  5. Duct work.
  6. Damage due to freezing beyond the control of this company.
  7. Corrosion or erosion damage to water side of equipment.
  8. Disconnect switches and circuit breakers not on the equipment.
  9. Portable recorders.
  10. Complimentary equipment (ie; cabinets, fixtures, boxes, water supply lines and steam lines beyond the equipment valves).
- B. Contractor shall not be required to make repairs or renewals necessitated because of negligence or misuse of the equipment or due to any other cause beyond his control, except ordinary wear and tear.

9. EQUIPMENT:

- A. The Contractor shall maintain a sufficient number of tools and instruments required to perform all the tasks required including, but not limited to, ladders, power tools, hand tools, testing equipment, etc.
- B. The Contractor shall keep all equipment, tools and testing equipment in proper operating condition and keep all testing equipment properly calibrated.

10. LIST OF EQUIPMENT: The list of equipment that is included in this contract is contained in the document entitled, Mechanical Maintenance Equipment List, dated March, 2012, which is included with this specification and is incorporated into and made a part of this specification by this reference.

- A. Equipment listed in this attachment which does not have a Task Schedule entered in the appropriate column does not require maintenance or is maintained by others and is not included in the scope of this contract.
- B. Equipment listed in this attachment which has "inc." entered in the column titled Task Schedule is maintained with the equipment to which it is attached or connected.

11. LIST OF TASKS TO BE PERFORMED: The list of tasks to be performed on each type of equipment is contained in the document entitled, Mechanical Equipment Tasks to be Performed, dated March, 2012, which is included with this specification and is incorporated into and made a part of this specification by this reference.

- A. Any dates that are entered on the Task Schedules should be disregarded. The schedule for maintenance is as stated in "SCHEDULING OF WORK" in Section 01010.



# MECHANICAL MAINTENANCE EQUIPMENT LIST

MARCH, 2012

## CONTENTS

Anderson Municipal Building (Bldg. No. 1004)	Air Handlers FC Unit & Unit Heaters Exhaust AC Equipment Pumps
Tow Lot Office (Bldg. No. 1097)	Air Handlers Unit Heaters Exhaust AC Equipment
Lincoln Garage (Bldg. No. 1114)	Air Handlers Tube Heaters Exhaust AC Equipment Pumps V-belts
Northwest Garage (Bldg. No. 1178)	Air handlers Tube heaters AC Equipment Unit Heater Fan Coil Exhaust Pumps V-belts and Filters
Municipal Service Building (Bldg. No. 1183) (Electrical Services)	Air Handlers MAU's HW Unit Heaters Exhaust – Supply AC Equipment Pumps
Traffic Sign Shop (Bldg. No. 1188)	Equipment V-belts Filters
Safety Academy (Bldg. No.1601)	RTU – AHU's Fan Coil HWC Unit Heaters Exhaust Unit Ventilators AC Equipment Pumps and Cooling Tower

Forestry/Sanitation – Central (Bldg. No. 1650)

Equipment  
V-belts  
Filters

Central Repair Garage (Bldg. No. 1674)

Exhaust  
Tube Heater  
Tube Heater  
Unit Heaters  
Wash Bay  
Weld Shop  
Spray Booth and Paint Storage  
RTU HVAC  
Split Systems

Forestry/Sanitation – North (Bldg. No. 1690)

Furnace  
Unit Heater  
Entry Heaters  
Exhaust  
Pumps

Forestry South (Bldg. No. 1708)

Split Systems  
Air Handlers  
Fan Coils  
Exhaust  
AC Equipment  
Pumps

Parking Enforcement (Bldg. No. 1793)

Equipment

DPW Field Headquarters (Bldg. No. 1796)

RTU's  
Split Systems  
Paint Booth  
MAU's  
Unit Heaters  
Exhaust  
AC Equipment  
Pumps  
V-Belts and Filters

818 1004 Anderson Municipal												
City of Milwaukee Tag	Number	Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Size	Notes	Tasking Schedule	Yearly FMI Frequency (Yr/Year)
1004-04-AHU-001		4th Floor South	Trane	MCCA025UB0B000000U	K02A06853	12	20X25X2				K	4
		4th Floor South	Heatex Inc	EAHB-1-24A-900	201212-1						I	4
1004-04-FDR-011		4th Floor South	ABB	ACM401C00692 + A0BE0000	476977	4	20X25X2	1	BX36		K	4
1004-04-AHU-002		4th Floor North	Trane	MCCA010UB0B000000U	K02A06860	4					K	4
		4th Floor North	Heatex Inc	E-HXS-1-24A-1200	201212-2						I	4
1004-04-FDR-012		4th Floor North	ABB	ACM401C00592 + A0BE0000	476979						I	4

FC Unit & Unit Heaters

Bldg 1004 Anderson Municipal												
City of Milwaukee Tag	Tag	Location	Make	Model	Serial	Qty	V-Beats	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
1004-08-HRU-030	HWC Hot & Chilled Water	Basement	Sterling	H5-84	K02315548001001	1	4L400	1	8 7/8 x 60 7/8 x 1		S	2
1004-05-FAC-022	HWC Fan Coil	Police Communications Room	Trane	TSK762AA216151	T02A03078	1	4L400	1	8 7/8 x 60 7/8 x 1		S	4
1004-01-HRU-029	HWC Hot & Chilled Water	Boiler Room	Sterling	H5-84	C02277025001001	1	4L400	1	8 7/8 x 60 7/8 x 1		S	2
1004-05-FAC-021	HWC Fan Coil	Elevator Room	Trane	TSK344AC	T02A03083	1	4L400	1	8 7/8 x 33 5/8 x 1		S	4
1004-05-FAC-020	HWC	Ladies Restroom	Trane	TSK314A8 Z16134	T02A03082	1	4L400	1	8 7/8 x 33 5/8 x 1		S	2
1004-05-FAC-019	HWC	Mens Restroom	Trane	TSK344A8 Z16137	T02A03081	1	4L400	1	8 7/8 x 33 5/8 x 1		S	2
1004-05-FAC-028	MAU	MAU	Reznor	SKEL25-6	EBB865X2N04291	1	A38	2	20X20X1		L	4
1004-01-HRU-031	UH Hot & Chilled Water	Garage	Medine	PDP125A80130	38071011204-9082	1	4L400	1	16x20x1		AU	2
1004-05-FAC-024	HWC Fan Coil	North Atrium	Delhi Industries	209 INS	Nov-01	1	4L400	1	16x20x1		S	4
1004-05-FAC-025	HWC Fan Coil	South Atrium	Delhi Industries	209 INS	Jun-01	1	4L400	1	16x20x1		S	4

Exhaust

Bldg 1004 Anderson Municipal										
City of Milwaukee Tag	Area / Location	Tag	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (X/Year)
1004-04-EXF-072	Basement		Garnas	VIBK10M1A1N120SG1	697205001	1	A38	Serves Electrical Room	H	2
1004-04-EXF-009	4th Floor North		Garnas	VTBK12P2A1NA20SPB1	382254 005	1	A37		H	2
1004-04-EXF-034	Stairwell		Cook	1505QNB	012570015500000701802	1	A43		H	2
1004-04-EXF-010	1st & 2nd Restroom		Dalri	212 INS	FED 2020	1	A41		H	2
1004-04-EXF-009	Exhaust Fan #2		Dalri	215 INS	FED 2020	1	B52	Washable Filter	H	4

A C Equipment

Bidg 1004 Anderson Municipal											
City of Milwaukee Tag	Location	Make	Model	Serial	Qty	V-Belts	Qty	Filters	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
1004-01-CH-027	On-Grade West Side	Tate	CSAFCSD4AG1A00DE00000000T0000	C02GR6186						AO	4
	Elevator Equipment Room Evaporator	Sanyo	K11852	219042	2		2	Washable		J	4
1004-01-ACU-026	Elevator Equipment Room Condenser	Sanyo	CL1852	9671						J	4
	Communications Room	Liebert	MWD18EPHE00	0151N58226			1	20YX20X2		J	4

Pumps

Bid# 1004 Anderson Municipal									
City of Milwaukee Tag	Tag	Location	Area	Make	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
1004-08-PMP-031		Basement	Sump Pump	Zoeller Co	Rusted Over			AP	2
1004-01-MTR-Z01	Zone 1	Boiler Room	1st & 2nd Floor	Bell & Gossett	189165	D40		AP	2
1004-01-MTR-Z02	Zone 2	Boiler Room	3rd & 4th Floor	Bell & Gossett	106189	K10		AP	2
1004-01-MTR-Z03	Zone 3	Boiler Room	Serves AHU's 1 & 2	Bell & Gossett	102222	F69		AP	2
1004-01-BLR-PMP-001	Boiler Pump # 1	Boiler Room	Boiler # 1	Bell & Gossett	M74793 M80121	L90	1004-01-MTR-004	AP	2
1004-01-BLR-PMP-002	Boiler Pump # 2	Boiler Room	Boiler # 2	Bell & Gossett	M74799 M10532	B20	1004-01-MTR-005	AP	2
1004-01-CHL-PMP-001	Chiller Pump # 1	Boiler Room	Chiller	Bell & Gossett	90E56C1705662E	903568		AP	2
1004-01-CHL-PMP-002	Chiller Pump # 2	Boiler Room	Chiller	Bell & Gossett	90E56C1705662E	903568		AP	2
1004-01-MTR-023	Domestic Hot Water Pump	Boiler Room		Bell & Gossett	NBF-22	103252020		AP	2

Air Handlers

Building # 1097 Tow Lot	City of Milwaukee Tag	Number	Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
	1097-01-AHL-017		Balcony	ABB	HE01010200P288FV00	254820	1	BX48	2	10X25X1		K	4
	1097-01-FUR-1		Balcony	Trane	MCCA014HBEQ8A8OAC00	K98F48937	1	BX48	3	16x20x2 20x20x2	Duct Furnace	AU	2

Unit Heater

Building # 1097 Tow Lot	City of Milwaukee Tag	Location	Make	Model	Serial	Qty	V-Belt	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
	1097-01-FUR-2	Garage North West	Modine	PV125AE0130	30011054799-3421			10' Ladder	1	1
	1097-01-FUR-3	Garage South West	Modine	PV125AE0130	30011054799-3416			10' Ladder	1	1
	1097-01-FUR-4	Garage South East	Modine	BV200AE0130	30011054499-9062	1	A54	10' Ladder	1	1



A C Equipment

Building # 1097 Tow Lot	Location	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
1097-OR-CON-009	Roof	Trane	TTA1508300BC	N213NLLAH				G	3
1097-01-ACU-1		Frigidaire	FAA063F7A	KK85024728			Unit in garage office	BB	2

Air Handlers

Bidg 1114 Lincoln Avenue Garage										
City of Milwaukee Tag	Tag	Location	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
1114-01-FUR-04	D1		Modine Air Systems	GMSIU-HLS	98-8167-2	1	BX67	19' Lift	L	3
1114-01-FUR-042	D2	E Center Blowing South	Jantor Industrial Air Systems	Missing		1	BX54	19' Lift	L	3
1114-01-FUR-045	D5		Industrial Air Systems	GMSIU 50 HLS	96-6823	1	BX67	19' Lift	L	3
1114-01-FUR-046	D6		Modine Air Systems	BV 400 AEO430	15101054399-5555	1	AS6	19' Lift	L	3
1114-01-FUR-072	D7		Industrial Air Systems	GMSIU 45 HLS	96-6824	1	BX75	19' Lift	L	3
1114-01-FUR-072	D8		Jantor	BCC50C-75	055905099	1	BX54	19' Lift	L	3
1114-01-FUR-049	D9		Modine Air Systems	BV 400 AEO430	15101054399-5554	1	BX56	19' Lift	L	3
1114-01-FUR-050	D10	East Blowing South	Modine Air Systems	GMSIU-HLS	98-8167-1	1	BX67	19' Lift	L	3
1114-01-FUR-072	N3	Center Blowing South	Industrial Air Systems	SIU 50 HRS	96-6822-2	1	BX65	19' Lift	L	3
1114-01-FUR-0	N4		Applied Air Systems	GMSIU 50 HRS	96-6822-1	1	BX65	19' Lift	L	3

Tube Heaters

Bldg 1114 Lincoln Avenue Garage												
City of Milwaukee Tag	Location	Make	Zone	Tag	Model	Serial	Qty	Filter & Gasket	Notes	Tasking Schedule	Yearly PM Frequency (X/Year)	
1114-01-AHU-029	Stockroom West	Co Ray Vac	Stockroom		CRV4-40	0 10367	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-030	Stockroom East	Co Ray Vac	Stockroom		CRV4-40	0 10375	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-031	East Shop South	Co Ray Vac	Zone 3		CRV4-40	0 6911	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-032	East Shop Center	Co Ray Vac	Zone 3		CRV4-40	0 6897	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-033	East Shop North	Co Ray Vac	Zone 3		CRV4-40	0 6906	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-034	Shop Center South	Co Ray Vac	Zone 2		CRV4-40		1	# 1312400	19' Lift	AT	1	
1114-01-AHU-035	Shop Center	Co Ray Vac	Zone 2		CRV4-40	0 6923	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-036	Shop Center North	Co Ray Vac	Zone 2		CRV4-40	0 6912	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-037	West Shop South	Co Ray Vac	Zone 1		CRV4-40	0 6908	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-038	West Shop Center	Co Ray Vac	Zone 1		CRV4-40	Missing	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-039	West Shop North	Co Ray Vac	Zone 1		CRV4-40	Missing	1	# 1312400	19' Lift	AT	1	
1114-01-AHU-040	Stockroom North Wall	Co Ray Vac Pump	Vacuum		EP 201	0510-001-0035	1	# 1312400	19' Lift	AT	1	

Bldg 114 Lincoln Avenue Garage									
City of Milwaukee Tag	Location	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (k/year)
# 1	Stockroom	Greenheck	50B0-13-4	169222	1	A43	19' LHK	H	2
# 2	North Roof NE	Greenheck	D-70-6	A-153	1	A42		H	2
# 3	North Roof N Center E	Greenheck	D-70-6	A-154	1	A42		H	2
# 4 Ladies Room	North Roof NW	Greenheck	C30	A-142		DD		H	2
# 5	North Roof SE	Greenheck	Missing		1	41220		H	2
# 6	North Roof S Center E	Greenheck	D-70-6	A-155	1	A42		H	2
# 7	North Roof S Center w	Greenheck	D-70-6	A-152	1	A42		H	2
# 8	North Roof SW	Greenheck	Missing		1	41350		H	2
# 9	West Roof N	Greenheck	Missing		1	41220		H	2
# 10	West Roof W Center	Greenheck	D-70-6	A-151	1	A42		H	2
# 11	West Roof E Center	Greenheck	D-70-6	A-150	1	A42		H	2
# 12	West Roof S	Greenheck	D-70-6	A-149	1	A42		H	2
# 13 (EF-4)	West Roof N Large Exhaust	Greenheck	RCE3-24-626-C3	97B07485		DD		H	2
# 14 (EF-3)	West Roof S Large Exhaust	Greenheck	RCE3-24-626-C3	97B07484		DD		H	2
# 15	East Roof N	Greenheck	Missing		1	41230		H	2
# 16	East Roof W Center	Greenheck	D-70-6	A-149	1	A42		H	2
# 17	East Roof E Center	Greenheck	D-70-6	A-148	1	A42		H	2
# 18	East Roof S	Greenheck	D-70-6	A-146	1	A42		H	2
# 19 (EF-2)	East Roof N Large Exhaust	Greenheck	RCE3-24-626-C3	97B07483		DD		H	2
# 20 (EF-1)	East Roof S Large Exhaust	Greenheck	RCE3-24-626-C3	97B07482		DD		H	2
# 21 Men's Room	North West Lower Roof	Dayton	41X82A	16381001 00	1	41220		H	2
# 22	Hamtable Storage	Missing	Missing		2	BX56	Floor Exhaust	H	2

A C Equipment

Bldg 1114 Lincoln Avenue Garage										
Location	Make	Model	Serial	Qty	Filters	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
Stockroom	Frigidaire	ACS-SL-2	40HHD2929	2	15x20x2				BB	2
Lunchroom	York	D7CG048N09946A	NGHM098532	1	14x25x2		DD		AN	3

Pumps

Bldg 1114 Lincoln Avenue Garage									
City of Milwaukee Tag	Tag	Location	Area	Make	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
1114-01-PM-P-078	Domestic Water Pump	Water Heaters	South West Mezzanine	Bell & Gossett	NBF - 22	1092521680		AP	2

Lincoln Garage (Bldg. No. 1114)

Qty	V-Belt(s)
1	3L430
21	A 39
2	A56
2	BX54
1	BX56
5	BX67
1	BX75

Air Handlers

Bldg 1178 Northwest Garage												
City of Milwaukee Tag	Number	Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
1178-01-HTX-086	MAU-1 ERV	Office Mechanics Office	Reznor Renew-Aire	PG400-S-MU PVS-270	EAXX66K1NZ5025 L981003	2 2	A60 A39	8 2 1 6	12X24X2 16X16X2 16X25X2 20X20X2	19' Lift 19' Lift	L M	4 4
1178-01FCU-001		Office Heater	Trane Fan Coil Heater	BCHA240FC2 0000	R94C21237	1	A40	1	16x20x2	8' Ladder	AR	2
	2	North High Bay North East	Trane Torridor Unit Heater	215CBA4	B-15835	1	BX75		NONE	19' Lift	K	2
	1	North High Bay West Center	Trane Torridor Unit Heater	215CBA4	B-15837	1	B68		NONE	19' Lift	K	2
	3	South High Bay East	Trane Torridor Unit Heater	215CBA4	B-15838	1	B69		NONE	19' Lift	K	2
	4	South High Bay West Center	Trane Torridor Unit Heater	215CBA4	B-15836	1	B73		NONE	19' Lift	K	2
	6	Mechanics Service Bay	Trane Torridor Unit Heater	210CBS	B-15841	1	BX45		NONE	19' Lift	K	2
	7	Grease Bay	Trane Torridor Unit Heater	680B1 280CBI	B-15842	1	A40		NONE	19' Lift	K	2
	8	Wash Bay	Trane Torridor Unit Heater	215CB3	B-15839	1	B61		NONE	19' Lift	K	2

Tube Heaters

Bidg 1178 Northwest Garage									
City of Milwaukee Tag	Location	Make	Tag	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)	
	High Bay North Side	Gordon Ray	1	RTH-150A	132831	19' Lift	AT	1	
	High Bay North Side	Gordon Ray	2	RTH-75A	133???	19' Lift	AT	1	
	High Bay North Side	Gordon Ray	3	RTH-75A	133270	19' Lift	AT	1	
	High Bay North Side	Gordon Ray	4	RTH-75A	133269	19' Lift	AT	1	
	High Bay North Side	Gordon Ray	5	RTH-75A	133239	19' Lift	AT	1	
	High Bay South Side	Gordon Ray	1	RTH-75A	9101-010-075-0003	19' Lift	AT	1	
	High Bay South Side	Gordon Ray	2	RTH-75A	9101-010-075-0001	19' Lift	AT	1	
	High Bay South Side	Gordon Ray	3	RTH-75A	9101-010-075-0002	19' Lift	AT	1	
	High Bay South Side	Gordon Ray	4	RTH-75A	9101-010-075-0021	19' Lift	AT	1	
	High Bay South Side	Gordon Ray	5	RTH-75A	9101-010-075-0005	19' Lift	AT	1	
	Grease Bay	Vantage II		CTHZ-80	9102-013-080-0045	19' Lift	AT	1	

A C Equipment

Bldg 1178 Northwest Garage								
City of Milwaukee Tag	Location	Make	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)	
	Office Condensing Unit	Carrier	38AKS024--510-	4898F85077		G	3	
	Mechanics Room Office A/C	Frigidaire	FCA125PIA	IK74829747		BB	2	

Unit Heater Fan Coil

Bldg 1178 Northwest Garage									
City of Milwaukee Tag	Location	Make	Type	Tag	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
1178-01-HWU-001	High Bay SE	Trane	HW Unit Heater	1	RP	C-61094	19' Lift	S	1
1178-01-HWU-002	High Bay SW	Trane	HW Unit Heater	2	RP	C-61093	19' Lift	S	1
1178-01-HWU-004	High Bay Center E	Trane	HW Unit Heater	4	18P	C-61095	19' Lift	S	1
1178-01-HWU-003	High Bay Center W	Trane	HW Unit Heater	3	18P	C-61097	19' Lift	S	1
1178-01-HWU-006	High Bay NW	Trane	HW Unit Heater	6	Missing	Missing	19' Lift	S	1
1178-01-HWU-005	High Bay NE	Trane	HW Unit Heater	5	RP	C-61093	19' Lift	S	1
1178-01-HWU-012	Low Bay NE	Trane	HW Unit Heater	12	120P	D-79914	19' Lift	S	1
1178-01-HWU-011	Low Bay SE	Trane	HW Unit Heater	11	120P	D-79913	19' Lift	S	1
1178-01-HWU-007	Low Bay West	Trane	HW Unit Heater	7			19' Lift	S	1
1178-01-HWU-008	Low Bay W Center	Trane	HW Unit Heater	8	18P	C-61101	19' Lift	S	1
1178-01-HWU-009	Low Bay Center	Trane	HW Unit Heater	9	18P	C-61102	19' Lift	S	1
1178-01-HWU-010	Low Bay East	Trane	HW Unit Heater	10	18P	C-61100	19' Lift	S	1
1178-01-HWU-0	Stockroom	Trane	HW Unit Heater		Missing	Missing	19' Lift	S	1
1178-01-HWU-0	Tool Storage	Trane	HW Unit Heater		Missing	Missing	19' Lift	S	1

Bldg 1178 Northwest Garage											
City of Milwaukee Tag	Roof	Tag	Location	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PMI Frequency (x/Year)
	Lower North Roof	1	West	Greenheck	RPE-30L-5	94I09017	1	A40		H	2
	Lower North Roof	2	Center	Greenheck	RPE-30L-5	94I09015	1	A40		H	2
	Lower North Roof	3	East	Greenheck	RPE-30L-5	94I09016	1	A40		H	2
	High Roof North	4	West	Greenheck	243 EU 24EU68	0125814523-00/0000708	1	A49		H	2
	High Roof North	5	West Center	Greenheck	242 EU 24EU68	0125814523-00/0000705	1	A49		H	2
	High Roof North	6	East Center	Greenheck	241 EU 24EU68	0125814523-00/0000706	1	A49		H	2
	High Roof North	7	East	Greenheck	240 EU 24EU68	0125814523-00/0000704	1	A49		H	2
	High Roof Center	8	East	Greenheck	244 EU 24EU68	0125814523-00/0000710	1	A49		H	2
	High Roof Center	9	West	Greenheck	247 EU 24EU68	0125814523-00/0000711	1	A49		H	2
	High Roof Center	10	Center	Greenheck	245 EU 24EU68	0125814523-00/0000709	1	A49		H	2
	High Roof South	11	West	Greenheck	251 EU 24EU68	0125814523-00/0000703	1	A49		H	2
	High Roof South	12	West Center	Greenheck	250 EU 24EU68	0125814523-00/0000704	1	A49		H	2
	High Roof South	13	East Center	Greenheck	249 EU 24EU68	0125814523-00/0000707	1	A49		H	2
	High Roof South	14	East	Greenheck	248 EU 24EU68	0125814523-00/0000702	1	A49		H	2
	Lower North Roof		North East	ILG	CRBCA10GDI23101	11260IM576420	1	3L160		19 Lift	2
	North Wall High Bay	Restroom	North West Wall	Potter	INISOE	IS-1097-5	1	A35		19 Lift	2
		Stack Exhaust	Mechanics Service Bay	Pace	U-138	79-37750-01	1	A29		19 Lift	2

Pumps

Bldg 1178 Northwest Garage										
City of Milwaukee Tag	Location	Tag	Make	Bearing Model	Serial	Motor Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
1178-01-PM-001	Boiler Room	Boiler Pump # 1	Bell & Gossett	Unit 0-41253 4AB 6.5 BE	569339				AP	2
1178-01-PM-002	Boiler Room	Boiler Pump # 2	Bell & Gossett	Unit 0-41253 4AB 6.5 BE	563940				AP	2
	Boiler Room	Chemical Pump	Bell & Gossett	189165 FOO		1/6HP 74794	M 10293 1-90		AP	2
1178-01-PM-088	Boiler Room	Domestic Hot Water	Bell & Gossett	189034 E60		MRES81V	MOT132 5 DD		AP	2

Northwest Garage (Bldg. No. 1178)

Qty	V-Belt(s)	Qty	Filters
2	A60	2	16X16X2
2	A39	1	16X25X2
1	BX75	6	20X20X2
1	B68		
1	B69		
1	B73		
1	B61		
1	A35		

Bid# 1183 Electrical Services												
Location	Make	Model	Type	Serial	Qty	V-Bank(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (K/Year)	
2nd Floor North West - Parking Water Shop	Trane	Missing		Missing	1	A58	4	16X25X2		K	4	
2nd Floor North Utilities Location Office for Electrical Services Management Team	Trane	H4A1101LAC	CCDB06ANBC	K82M79083	1	A45	4	16X25X2		K	4	
2nd Floor North Utilities Location Office for Electrical Services Management Team	Trane	VBAR518		41226-01	1	A50				B	2	
Traffic Lighting Office & Shop Area	Trane	H4A150LLAG	CCDB06ANBC	K82J75924	1	A54	4	16X25X2		K	4	
2nd Floor Traffic Lighting Office & Shop Area	Carnes	VBAR518		41226-02	1	A50				B	2	
2nd Floor Traffic Lighting Test Bench Area	Trane	TVH7368140AD		E16529457			1	20X25X1		K	4	
2nd Floor Men's Locker Room Heater	Trane	GDNC010AF42000DL		A82J107902		Direct Drive	1			AU	2	
2nd Floor Men's Locker Room Fan Section	Trane	HBA153HA	135-832-1		1	AX48	8	16X25X1		K	4	
1st Floor Men's Locker Room	Carrier	398A060A69		B61529927	1	A54	2	20X25X2		K	4	
1st Floor Main Office South West	Trane	HBAL01LLAG	CCDE06ANBC	K84F31402	1	A45	4	16X25X2		K	4	
2nd Floor South East Electricians' Office	McQuay	CHA003FDAC / 9672391010		671391	1	A30	4	16X20X2		K	4	
1st Floor Bridge Maintenance Shop	Trane	BCHC024A1A0AU1F0(5)BE10(14)		T05K56875	1	A39	1	16X25X2		K	4	

Bidg 1183 Electrical Services											
Location	Make	Model	Type	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
Blacksmith / Weld Shop	Trane	GCNCO22DFB2000DH		A84C07527	1	A46	1	Z0X25X1		L	3
Blacksmith / Weld Shop MAU	Asco	7121-4989	U-21	CK83					Vent for Trane MAU	Inc.	
Garage High Bay East End		DFI-115-HRS		84-6919-D	1	B72	6	20X20X2	40' Lift	L	2
Garage High Bay Center East		DFI-115-HRS		84-6919-B	1	B72	6	20X20X2	40' Lift	L	2
Garage High Bay Center West		DFI-115-HRS		84-6919-C	1	B72	6	20X20X2	40' Lift	L	2
Garage High Bay West		DFI-115-HRS		84-6919-A	1	B72	6	20X20X2	40' Lift	L	2

HW Unit Heaters

Bldg 1183 Electrical Services									
Location	Make	Tag	Model	Type	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)	
Boiler Room	Modine	# 1	V21S01		5010782		S	1	
Utilities Location Office 2nd Floor North West	Trane		UHS406058AAAAC	136-105-01	D82H3414		S	1	
2nd Floor Traffic Lighting Office & Test Bench Area	Trane		UHS403858AAAAC	136-103-01	D82E2565		S	1	
2nd Floor Supply Room West	Trane		UHS401858AAAAA	136-101-01	D83A00106		S	1	
2nd Floor Supply Room East	Trane	28	UHS401858AAAAA	136-101-01	D83A00106		S	1	
Tool Crib West	Trane	20	S-CU	1265	1M-00698		S	1	
Tool Crib East	Trane	19	S-CU	1265	1M-00630		S	1	
Tool Room West	Trane	18	S-CU	1265	2C-68808		S	1	
Tool Room Center By Overhead Door	Dunham-Bush	17	C-400-C		910350467		S	1	
Tool Room West	Modine	16	514		166685		S	1	
Blacksmith / Weld Shop	Dunham-Bush	15	C-650-C		820550363		S	1	
Blacksmith / Weld Shop	Dunham-Bush	14	C-400-C		820550486		S	1	
Blacksmith / Weld Shop	Dunham-Bush	13	C-400-C		820550485		S	1	
Garage	Trane	4	S-CU	905	1E-00319		S	1	
Garage	Modine	3	HS121S01		15010284		S	1	
Garage	Modine	7	HS121S01		15010284		S	1	
Garage	Modine	8	HS121S01		15010284		S	1	
Garage	Modine	9	HS121S01		15010284		S	1	
Garage	Modine	10	HS165S01		01080582		S	1	
Garage Center Isle, West	Trane		UHS407058AAAAC	136-106-01	D83A00178	19' Lift	S	1	
Garage Center Isle, Center	Trane		UHS409058AAAAC	136-107-01	D83A00177	19' Lift	S	1	
Garage Center Isle, East	Trane		UHS409058AAAAC	136-107-01	D83A00177	19' Lift	S	1	
1st Floor Stock Room	Trane	22	UHS406058AAAAC	136-106-01	D83A00146		S	1	
1st Floor Stock Room	Trane	23	UHS406058AAAAC	136-105-01	088A00184		S	1	
1st Floor Stock Room	Trane		UHS406058AAAAC	136-105-01	088A00184		S	1	
Machine Shop Garage	Missing	21	Missing	136-105-01	D83A00146		S	1	
Traffic Signal Repair Shop 1st Floor North	Modine	11	HS17501		05100828		S	1	
Traffic Signal Repair Shop 1st Floor North	Modine	12	HS17501		05100828		S	1	

Bid# 1183 Electrical Services									
Tag	Location	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (k/year)
Mark 1	South Side Wall East	Dayton	4H235						
	South Side Wall East Center	Greeneck	GWB-24-5-1-46-3A	741541	1	Direct Drive	19' Lift	H	2
Mark 2	South Side Wall Center	Greeneck	GWB-24-5-1-46-3A	741542	1	4I400	19' Lift	H	2
	South Side Wall West	Greeneck	GWB-24-20	8800 8073	1	AX31	19' Lift	H	2
Mark 3	North East Corner, North Wall East	Greeneck	GWB-24-5-1-46-3A	741543	1	4I350	19' Lift	H	2
	Supply Fan 2nd Floor Supply Room	Missing	Missing	Missing	1	DD		H	2
	North Roof West - Parking Meter Shop Chemical Storage	Acme	PN135	WH2227	1	4I220		H	2
	North Roof West Entry Floor Exhaust	Greeneck	GWB-18-4-014-1A	741545	1	4I280		H	2
	South East Roof - 2nd Floor Men's Locker Room	Dayton	4C398C			DD		H	2
	Blacksmith / Weld Shop - Spot Exhaust	Twin City Fan & Blower	Size 911 Type RBA	84-41437-1-1	2	A39		H	2
	Blacksmith / Weld Shop - General Exhaust	Greeneck	Missing (GWB???)	Missing	1	A25	19' Lift	H	2
	South Roof West Entry Floor Exhaust	Greeneck	GWB-18-4-014-1A	741544	1	4I280		H	2
	South Roof Transformer Shop Exhaust	Missing	Missing	1/2hp 14" Dia. Wheel		Direct Drive		H	2
	South East Roof Exhaust Over Electricians Office	Missing	Motor W# DBZE001			Direct Drive		H	2
	Transformer Shop	Missing	D-1200XL	71261094		Direct Drive		H	2
	Supply Fan 1st Floor Supply Room	Greeneck	SPNS-30-7	8800 8074		Direct Drive		H	2
	Garage High Bay Center East	Missing	Down Draft		1	A40	40' Lift	H	2
	Garage High Bay Center West	Missing	Utility Style		1	AX75	40' Lift	H	2
	Garage High Bay Center East	Missing	Utility Style		1	AX75	40' Lift	H	2
	North Wall 2nd Floor Outside of AV Storage	Centri Master	Missing	Missing		Direct Drive	40' Lift	H	2
	North Wall 2nd Floor East of Northeast Elevator	Centri Master	PV126 H4	WH2 102		Direct Drive	40' Lift	H	2

Bid# 1183 Electrical Services										
Location	Make	Model	Type	Serial	V-Belt(s)	Qty	Filter(s)	Notes	Tracking Schedule	Yearly PM Frequency (x/year)
Utilities Location Office 2nd Floor North West (East)	Goldstar	GWHD6500R		511HALW14312		1	Washable		BB	2
Utilities Location Office 2nd Floor North West (West)	Goldstar	GWHD6500R		603HALW37248		1	Washable		BB	2
2nd Floor Computer / Telephone Room	Anderson Products	VPY060E03AR		0311K0038001	Direct Drive	1	21.5X28X1		BB	2
2nd Floor Computer / Telephone Room North Wall West	Frigidaire	FAH124N2T 7232001		EK4040 5337		1	Washable		BB	2
2nd Floor Computer / Telephone Room North Wall East	Frigidaire	FAH124N2T 7232001		EK3515 5029		1	Washable		BB	2
2nd Floor Computer / Telephone Room East Wall	White Westinghouse	A1125N1A1		JK00900371		1	Washable		BB	2
2nd Floor Supply Room West Office	Frigidaire	K005110		JGAS08803		1	Washable		BB	2
2nd Floor Supply Room East Office	Carrier	51SSB108101		0490V01451		1	Washable		BB	2
Tooling Room	White Westinghouse	WAH096P212		TK22503448		1	Washable		BB	2
North Roof West - Parking Meter Shop	Trane	TTA090A300FA		7242NMGAD					G	2
North Roof West for Electrical Services Management Team	Trane	RAUC-B756-A		269-1303-1-A					G	2
North Roof East Traffic Lighting Office & Shop Area	Trane	RAUC-C106-A		C82F-06122					G	2
North Roof East Traffic Lighting Test Bench Area	Trane	21TB3036A1000AA		C82L-C6436					G	2
South Roof West Slide Main Office Condensing Unit	Trane	21TB0050A3000AA		924117W3F					G	2
Electricians' Office Condensing Unit	Comfortmaker	AG048G81		6314LX33F					G	2
1st Floor Bridge Maintenance Shop Condensing Unit	Trane	21TB3018A1000AA		L963270437					G	2
Transformer Shop	Fredrich	KW21130-A		543166R3F		1	Washable		BB	2
Transformer Shop	Gibson	AM0886S388		LF8R05504		1	Washable		BB	2
Transformer Shop	Amana	7P2MIV		Lot #216		1	Washable		BB	2
1st Floor Stock Room West Office	Haier	Missing		9502224369		1	Washable		BB	2
				Missing						

Pumps

Bid# 1183 Electrical Services							Tasking Schedule	Yearly PM Frequency (X/Year)
Location	Tag	Make	Bearing Model	Serial	Motor Model	Notes		
Boiler Room	Pump # 1	Bell & Gossett	Size 60-8T MJ	PCCOAH081376	M80039 A43		AP	2
Boiler Room	Pump # 2	Bell & Gossett	Size 60-8T MJ	PCCOAH081376	M80039 A43		AP	2
Boiler Room	Pump # 3	Bell & Gossett	189163	H50	1/8hp 1725 RPM 115 V		AP	2
Boiler Room	Pump # 4	Bell & Gossett	Size 1510 M#185011	F80	2hp 230/460 3 Phase	Traffic Sign Shop Building # 1188	AP	2
Boiler Room	Pump # 5	Allis Chalmers	2000 Mod 3 3X2X6.5	99-46-20636-1-1F	Emerson 2hp 230/460 3 Phase	South and East	AP	2
Boiler Room	Pump # 6	Bell & Gossett	Missing	Missing	Lesson 3hp 230/460 3 Phase		AP	2
Boiler Room	Main #2 Oil Pump	Baldor	Missing	Missing	1/3hp 115/208/230 1 Phase		AP	2
Boiler Room	Boiler #1 Oil Pump	Gould	HS2D-50-230-3-2R626D		1/2hp 208/230/460 3 Phase		AP	2
Boiler Room	Boiler #2 Oil Pump	Gould	HS2D-50-230-3-2R626D		1/2hp 208/230/460 3 Phase		AP	2
2nd Floor East Men's Locker Room	Domestic Water Return Pump	Laing	AMT-303-BTW	542411			AP	2

Equipment

Building #	Make	Area	Type	Tag	Model	Serial	QTY	V-Belts(s)	QTY	Filters	QTY	Washable Filters	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
1188		Traffic & Sign Shop													
	Hastings	Silk Screen Area	Make Up Air Unit	MU # 1	RCH-20-D Size MB-114B	35079	2	852	12	20x25x2				L	4
Roof	Hastings	Silk Screen Area	MAU Duct Furnace #1	MU # 1-1	RDV-300-HME	395419								AU	2
Roof	Hastings	Silk Screen Area	MAU Duct Furnace #2	MU # 1-2	RDV-300-HME	395418								AU	2
Roof	Hastings	Silk Screen Area	MAU Duct Furnace #3	MU # 1-3	RDV-300-HME	395417								AU	2
Roof	Technical	Silk Screen Area	Condensing Unit	CU # 1	20AOC535	7-88-13293								G	2
Sign Shop	Dr-Steeem	Silk Screen Area	Humidifier		VPC-16-16-16-16	V817400								A	2
Mezzanine	Trane	Office - Locker Room	Air Handling Unit	AHU 2	L-6	K-61610	1	A45	4	16x25x2				K	4
Roof SW	Trane	Office - Locker Room	Condensing Unit	CU # 2	TTA060D300A1	Z1824H-C3F								G	2
Mezzanine	Trane	Photo Shop & Stock Room	Air Handling Unit	AHU 3	L-17	K-61611	1	A71	8	20x25x2				K	4
Roof NW	Trane	Photo Shop & Stock Room	Condensing Unit	CU # 3	TTA180C900EA	Z295XN2AH								G	2
SW Corner	Trane	South Center Area	Make Up		T-8	K-61670	1	B62	4	20x25x2				K	4
Receiving	Trane	For Spray Booth	Make Up-Upper		T-9	K-61671	1	A50	8	16x20x2				K	4
Paint Shop	Trane	For Spray Booth	Make Up-Lower		T-9	K-61672	1	A50	8	16x20x2				K	4
Paint Shop	Trane	East	HWC		100 P	371-11-102192								S	1
Paint Shop	Trane	West	HWC		100 P	371-11-102221								S	1
Paint Shop	Trane	Prep / Clean up	HWC		100 P	371-11-192203								S	1
Receiving	Trane	East	HWC		100 P	371-11-102202								S	1
Spray Booth		East	Exhaust Fan				2	A48						H	2
Spray Booth		West	Supply Fan				2	A48						H	2
Roof	Dayton	Rest Room	Exhaust Fan		3C424			DD						H	2
Roof	Penn	Photo Shop West	Exhaust Fan		AB-35	Missing	1	A20						H	2
Roof	Penn	Photo Shop East	Exhaust Fan		AB-35	Missing	1	A20						H	2
Roof	Greenheck	Sign Exhaust	Exhaust Fan		Cube-360-20	06D21773	1	A44						H	2
Roof	Dayton	Rest Room	Exhaust Fan		1EGV5			DD						H	2

Traffic Sign Shop (Bldg. No. 1188)

QTY	V-Belt(s)	
1	A45	Done
1	A71	Done
1	B62	
1	A50	
1	A50	
2	B52	Done
IVM50- 7/8		
Sheave		

Traffic Sign Shop (Bldg. No. 1188)

QTY	Filters
4	16x25x2
4	20x25x2 Done
8	20x25x2 Done
8	16x20x2 Have 12
8	16x20x2
12	20x25x2 Done

Number	Location	Serving	Make	Model	Type	Serial	Qty	V-Speed	Qty	Filter Size	Notes	Testing Schedule	Yearly PM Frequency (x/year)
AHU #1	Next to Mechanics Office	Fire Dept. Classroom / Office	A.A.F. - Herman Nelson	H-208A-CZA		43065-01	1	350	4	180292		K	4
AHU #2	Next to Mechanics Office	Celestria	A.A.F. - Herman Nelson	H-208A-CZA		43065-02	1	349	4	180292		K	4
AHU #3	Next to Mechanics Office	Chapel / Meeting	A.A.F. - Herman Nelson	H-207A-CZA		43065-03	1	A50	4	180292		K	4
AHU #4	Next to Mechanics Office	Police Administration	A.A.F. - Herman Nelson	H-208A-CZA		43065-04	1	348	4	180292		K	4
AHU #5	Next to Mechanics Office	Street Scene	A.A.F. - Herman Nelson	H-207A-CZA		43065-05	1	A47	4	180292		K	4
AHU #6	In Shooting Range Office Back	Print Shop Window Ext Wall	A.A.F. - Herman Nelson	H-208A-CZA		43065-12	1	Direct Drive	4	Variable		K	4
AHU #7	In Chiller Room	Mens Shower's	A.A.F. - Herman Nelson	H-2133-HVA		43065-13	1	B64	4	200292		K	4
AHU #8	In Chiller Room	Abandoned	A.A.F. - Herman Nelson	H-207A-CZA		43065-10	1	A44	2	180292		K	4
AHU #9	2nd Floor Exit Center	Fire Ship	A.A.F. - Herman Nelson	H-2100A-CZA		43065-06	1	B68	4	200292		K	4
AHU #10	Room 229	Library / In-service Lecture Hall	A.A.F. - Herman Nelson	H-207A-CZA		43065-07	1	A44	4	180292		K	4
AHU #11	Room 229	Safety Commission	A.A.F. - Herman Nelson	H-208A-CZA		43065-08	1	A46	4	180292		K	4
AHU #12	Room 229	Little Theatre	A.A.F. - Herman Nelson	H-208A-CZA		43065-09	1	4150	4	180292		K	4
AHU #13	Room 220	Band Room	A.A.F. - Herman Nelson	H-207A-CZA		43065-14	2	A45	2	180292		K	4
AHU #14	Room 328	Fire Dept. Lecture Room 317	A.A.F. - Herman Nelson	H-207A-CZA		43065-15	2	B112	2	180292		K	4
AHU #15	Room 307	Gym	A.A.F. - Herman Nelson	H-208A-CZA		43065-11	1	B42	4	180292		K	4
	On Roof	T. V. Studio	A.A.F. - Herman Nelson	H-208A-CZA		43065-11	1	B42	4	180292		K	4
	On Roof	Shooting Range	Hastings North West	RAUB-1800V		42187-1	2	072	5	200292		K	4
			Hastings North West Duct Furnace #1	RDV-400-HNE		39555						AU	2
			Hastings North West Duct Furnace #2	RDV-400-HNE		39553						AU	2
			Hastings North West Duct Furnace #3	RDV-400-HNE		39554						AU	2
			Hastings North West Duct Furnace #4	RDV-400-HNE		39552						AU	2
	On Roof	Shooting Range	Hastings North East	RAUB-1800V		42187-2	2	072	10	180292		K	4
			Hastings North West Duct Furnace #5	RDV-400-HNE		39558						AU	2
			Hastings North West Duct Furnace #6	RDV-400-HNE		39559						AU	2
			Hastings North West Duct Furnace #7	RDV-400-HNE		39557						AU	2
			Hastings North West Duct Furnace #8	RDV-400-HNE		39556						AU	2
	On Roof	Shooting Range	Hastings North West Duct Furnace #9	RDV-400-HNE		39555						AU	2
			Medline South Duct Furnace #1	P824055-0041		91-2004-3	2	B80	18	180292		K	4
			Medline South Duct Furnace #2	WPD40055M 41		105-0291						AU	2
			Medline South Duct Furnace #3	WPD40055M 41		105-0292						AU	2
AHU # B1	Room B.1	3.1 Range Classroom	Medline South Duct Furnace #4	WPD40055M 41		105-0293						AU	2
AHU # B2	Room B.2	Fitness Center	Medline South Duct Furnace #5	WPD40055M 41		105-0294						AU	2
AHU # B3	Room B.15	Telephone Room	Trane Thruvent	MM1A101LLAF		K6617351	1	B42	4	180292		K	4
			Trane Thruvent	SIW-304A		42-216159	1	A47	1	200292		K	4
			Trane Thruvent	Missing		K8815441	1	A48	4	180292		K	4

Fan Coil

Building # 1601 Safety Academy							
Location / Room	Make	Model	Serial	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
137	Trane	B12D004	S77L 15776	8"x32"x1"		P	4
138	Trane	B12D004	S77L 15776	8"x32"x1"		P	4
141	Trane	B12D004	S77L 15776	8"x32"x1"		P	4
Electrical Switchgear Room Basement							
North East Corner	Carrier	42CGB03ALC5AYVYQ	404571-10-1	10X28X1		P	4

HWC Unit Heaters

Building # 1601 Safety Academy							Yearly PM Frequency (x/Year)
Location	Make	Tag	Model	Serial	Notes	Tasking Schedule	
Room 328	AAF - Herman Nelson		SCHU-1211	NONE	Lumbered Motor	S	1
Chiller Room	AAF - Herman Nelson		SCHU-1211	NONE	Lumbered Motor	S	1
South East Basement Storage	AAF - Herman Nelson		SCHU-1211	NONE	Lumbered Motor	S	1
Room 229	AAF - Herman Nelson		SCHU-1211	NONE	Lumbered Motor	S	1
Basement	AAF - Herman Nelson		SCHU-1211	NONE	Lumbered Motor	S	1
Basement	AAF - Herman Nelson		SCHU-1211	NONE	Lumbered Motor	S	1
Basement	AAF - Herman Nelson		SCHU-1211	NONE	Lumbered Motor	S	1

Room / Location	Tag	Serving Area	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
Lower Roof South East	EF-1	Shooting Range	Greenheck	SWG-236-150-CW-1H	05K17919	2	BX92	9	20X20X2 Pleated High Efficiency	Pleated filters are replaced as needed. High Efficiency are replaced yearly.	H plus Filters	2 Plus 5
Lower Roof Center East	EF-2	Shooting Range	Greenheck	SWG-233-100-CW-1H	05K17917	2	BX79	9	20X20X2 Pleated High Efficiency	Pleated filters are replaced as needed. High Efficiency are replaced yearly.	H plus Filters	2 Plus 5
Lower Roof North East	EF-3	Shooting Range	Greenheck	SWG-236-150-CW-1H	05K17916	2	BX92	9	20X20X2 Pleated High Efficiency	Pleated filters are replaced as needed. High Efficiency are replaced yearly.	H plus Filters	2 Plus 5
Room 229	AHU#5	Shooting Range Waiting Area	Greenheck	SOB 10-4	284886	1	3L410	1			H	2
Lower Roof North East	PRV #1	Gym	Chicago	270 ABD	38567	1	A57	1			H	2
Lower Roof North East	PRV #2	Clark Room	Dynafan	#13		1	3L220			NOT IN SERVICE	H	2
Lower Roof Center	PRV #3	Toilets Zone 2	Dynafan	#13		1	3L250			NOT IN SERVICE	H	2
Lower Roof Center	PRV #4	Dish Room Exhaust	Dynafan	#16		1	3L220			NOT IN SERVICE	H	2
Lower Roof Center	PRV #5	Kitchen Exhaust	Dynafan	#19		1	3L220			NOT IN SERVICE	H	2
Room 220	Fan #6	Kitchen Exhaust	Dynafan	#30		1	A46			NOT IN SERVICE	H	2
Lower Roof	PRV #6	Men's Room / Custodial Room	Dynafan	#13		1	A57			NOT IN SERVICE	H	2
Lower Roof	PRV #7	Shop Sink	Dynafan	#13		1	3L200			NOT IN SERVICE	H	2
South End of Lower Roof NE	PRV #7	Print Shop	Dynafan	#13		1	3L190			NOT IN SERVICE	H	2
South End of Lower Roof East	PRV #12	Chiller Room Exhaust	Dynafan	#13	2001	1	B-38			NOT IN SERVICE	H	2
High Roof Center West NC	PRV #12	Dark Room	Dynafan	#13		1	AX75			NOT IN SERVICE	H	2
High Roof Center West NC	PRV #13	Projection Room	Dynafan	#13		1	3L180			NOT IN SERVICE	H	2
Middle Roof	PRV #16	Projection Room	Dynafan	#13		1	3L190			NOT IN SERVICE	H	2
Middle Roof		Laum Cook	Laum Cook	150R32	012 33355 2600	1	3L220				H	2
High Roof North N	PRV #8	TV Room	Dynafan	#16		1	DD				H	2
High Roof North Center	PRV #11	Room 315	Dynafan	#13		1	3L190			NOT IN SERVICE	H	2
High Roof North SW	PRV #11	Room 315 By Elevator	Dynafan	#13		1	3L180			NOT IN SERVICE	H	2
High Roof North SW	PRV #10	Toilets	Dynafan	#21		1	3L190			NOT IN SERVICE	H	2
High Roof North South	PRV #10	Toilets	Dynafan	#21		1	A16			NOT IN SERVICE	H	2
High Roof Center West NE	PRV #24	Locker Room 1st Floor	Dynafan	#15		1	3L180			NOT IN SERVICE	H	2
South End of Lower Roof CE	PRV #24	Locker Room 1st Floor	Dynafan	#15		1	3L220			NOT IN SERVICE	H	2
South End of Lower Roof EC	PRV #	Locker Room 1st Floor	Dynafan	#21		1	4L440			NOT IN SERVICE	H	2
South End of Lower Roof C	PRV #	Locker Room 1st Floor	Dynafan	#23		1	4L850			NOT IN SERVICE	H	2
Middle Roof	PRV #31	Recruit Locker Room	Dynafan	#33		1	4L870			NOT IN SERVICE	H	2
South End of Lower Roof SW	PRV #35	Recruit Locker Room	Dynafan	#15		1	A26			NOT IN SERVICE	H	2
South End of Lower Roof NW	PRV #	Recruit Locker Room	Dynafan	#15		1	3L350			NOT IN SERVICE	H	2
High Roof Center West SC	PRV #16	Room 323	Penn Ventilator	A8-35		1	4L480			NOT IN SERVICE	H	2
High Roof Center West S	PRV #17	Painted Black	Dynafan	#13		1	3L180			NOT IN SERVICE	H	2
High Roof South NE	PRV #17	Room 224	Dynafan	#19		1	3L230			NOT IN SERVICE	H	2
High Roof South NC	PRV #18	Room 224	Dynafan	#16		1	3L290			NOT IN SERVICE	H	2
High Roof South SW	PRV #19	Room 224	Dynafan	#13		1	3L190			NOT IN SERVICE	H	2
High Roof South SC	PRV #20	Room 224	Dynafan	#13		1	3L180			NOT IN SERVICE	H	2
High Roof South E	PRV #21	Room 224	Dynafan	#13		1	3L180			NOT IN SERVICE	H	2

Unit Ventilators

Building # 1601 Safety Academy									
Location / Room	Room Qty	Make	Model	Serial	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
B7	1	Herman Nelson	MWADJWG3041-60	430663	1	10"X36.5"X1"		AR	4
101	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
102	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
103	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
104	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
105	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
106	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
108	1	Herman Nelson		430663	1			AR	4
182	5	Herman Nelson	MWADJWG5041-60	430663	5	10"X60.5"X1"		AR	4
201	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
202	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
203	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
204	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
205	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
206	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
207	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
218	2	Herman Nelson	MWADJWG4041-60	430663	2	10"X48.5"X1"		AR	4
222	1	Herman Nelson		430663	1			AR	4
223	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
224	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
225	1	Herman Nelson	MWADJWG6041-60	430663	2	10"X36.5"X1"		AR	4
226	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
302	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
304	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
305	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
306	1	Herman Nelson	MWADJWG4041-60	430663	1	10"X48.5"X1"		AR	4
308	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
321	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
324	2	Herman Nelson	MWADJWG3041-60	430663	2	10"X36.5"X1"		AR	4
325	1	Herman Nelson	MWADJWG5041-60	430663	1	10"X60.5"X1"		AR	4
Hall by Room 305	1	Nelson Aire	RSRSWXRS024-11		1	Washable		AR	2
Hall by Room 323	1	Nelson Aire	RSRSWXRS024-11		1	Washable		AR	2
W Entry Basement	1	Nelson Aire	LSSWXRS024-11		1	Washable		AR	2
W Entry 1st Floor	2	Nelson Aire	Missing		2	Washable		AR	2
W Entry 2 1/2 Floor Landing	1	Nelson Aire	RSRSWXRS024-11		1	Washable		AR	2
1st Floor South	1	Nelson Aire	RSRSWXRS024-11		1	Washable		AR	2
1st by Room 182	1	Nelson Aire	RSRSWXRS024-11		1	Washable		AR	2
NE Entry East	1	Nelson Aire	RSRSWXRS024-11		1	Washable		AR	2
NE Entry West	1	Nelson Aire	LSRSWXRS024-11		1	Washable		AR	2

Building # 1610 Safety Academy												
Location	Serving	Make	Model	Type	Serial	Qty	V-Batts)	Qty	Filter Size	Notes	Tasking Schedule (K/year)	Yearly PM Frequency (K/year)
High Roof North	Ty Studio	Trane	B7A32DD4Q0AC	269-987-1-C	C11435130					Condensing unit	G	3
High Roof South West	Room 303	Carrier	50D1035800		5088G16516	2	DD		16X25X2	Ductless Split System Evaporator	F	2
High Roof Center West	Room 321	Fujitsu	ASU24CI		ADA012292				Washable	Ductless Split System Condensing Unit	BF	3
High Roof South West	Room 321 Condensing Unit	Fujitsu	AOU24CI		ADN007573				Washable	Ductless Split System Condensing Unit	Inc	2
Basement B 8	Room 325	Trane	TC0080300AA		626142190	1	4L440		16X25X1		F	4
Basement B 8	Passenger Elevator	Carrier Evaporator	400NCO18243		3008V50944	2			Washable		BF	4
Basement B 9	Passenger Elevator	Carrier CU	38HDF018-3		4008V19488				Washable		Inc	
Basement B 26	Freight Elevator	Carrier Evaporator	40MVC012-101-		2608V19488	2			Washable		BF	4
Basement B 28	Freight Elevator	Carrier CU	38MVC012-101-		2608V20372				Washable		Inc	
Basement B 28	Freight Elevator Carrier Evap	Harwell Pump	KT-15V-1UL									

Pumps & Cooling Tower

Building # 1601 Safety Academy									
Location	Tag	Make	Model	Serial	V-Belts	Notes	Tasking Schedule	Yearly PM Frequency (x/year)	
Roof	Cooling Tower	BAC Tower	CFT-2415	77-0514D	GSP-IM1		Q	3	
Chiller Room	Chilled Water Return Loop #1	Allis Chalmers	2000 MOD 2	99-46-11908-1-1	F-9254-00-275	10 HP	AP	2	
Chiller Room	Condenser Water Loop #2	Allis Chalmers	20000 Module-2	99-46-11908-2-1	6-324921-02	20 HP	AP	2	
Chiller Room	Heat / Cool Loop #3	Allis Chalmers	C-3	1-5203-22410-2-1		7.5 HP	AP	2	
Chiller Room	Chilled Water Pump # 4	ITT Industries	600	99-46-57723-1-1		10 HP	AP	2	
Boiler Pumps	Boiler #1	Taco	133A3E2	5 65 09/08	P63CKA-2740		AP	2	
Boiler Pumps	Boiler #2	Taco	133A3E3	5 65 02/08	P63CKA-2740		AP	2	
Boiler Pumps	Boiler #3	Taco	133A3E4	5 65 11/08	P63CKA-2740		AP	2	
Boiler Pumps	Boiler #4	Taco	133A3E5	5 65 03/09	P63CKA-2740		AP	2	
Boiler Pumps	Loop Pump #1	Bell & Gossett	1510 - 44C 5.5 8F	1058845	Baldor M821ST		AP	2	
Boiler Pumps	Loop Pump #2	Bell & Gossett	1510 - 44C 5.5 8F	1058845	Baldor M821ST		AP	2	
Chiller Room	Domestic Water Pump # 1 (Lead Lag)	Bell & Gossett	186863	F10	MOT314-6-JD		AP	2	
Chiller Room	Domestic Water Pump # 2 (Lead Lag)	Bell & Gossett	186863	DS0	MOT314-6-JD		AP	2	
Chiller Room	Domestic Water Pump (Heater to Tank)	Bell & Gossett	Missing				AP	2	

Equipment

Building # 1650 Forestry/Sanitation Central HQ	Location	Roof	Make	Type	Tag	Model	Serial	Qty	V-Belt(s)	Qty	Filters	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
	Sanitation Side Office	On Grade East Side	Trane	HVAC AHU		MCCA012GAVOAB4000 FOCCA0000	K99D74315M	2	B41	6	20x20x2		K	4
	Sanitation Side Office	South East Mezzanine	Trane	CU		TTA180B300AA MCCA003VWAGOC0AO AAOAC0000000	P092260AH K98A08058	1	BX38	2	16x25x2		K	4
	Forestry Office	North End of Building	Trane	CU		TTA060C300AO MCCA120MAGOC0AO AAOAC00000000	M263RTHEF K99D74394	1	BX42	6	20x20x2		K	4
	2nd Floor Area	On Grade East Side	Trane	HVAC AHU		TTA120B300CA	P135219AH	1	A50	2	Washable		G	2
	Forestry Shop	North West Mezzanine	Reznor	Make Air Unit		Missing	DD 18" Wheel	1	A50	2	Washable		L	4
	Sanitation Side		Trane	Cab Ventilator		PFHB0301BL0CC2AG 2M	T99E84263	1	DD	1	8 7/8x19 1/8x1		P	2
	Service Shop North		Dunham-Bush	HWC	1650-01-UNH-001	C-900-G	760604722	1				19' Lft	S	1
	Service Shop Center		Dunham-Bush	HWC	1650-01-UNH-002	C-900-G	760604724	1				19' Lft	S	1
	Service Shop South		Dunham-Bush	HWC	1650-01-UNH-003	C-1650-G	790550914	1				19' Lft	S	1
	Old Shed		Dunham-Bush	HWC		C-900-G	760604719	1				19' Lft	S	1
	Boiler Room			Exhaust		Missing		1					H	2
				HWC		Missing		1					S	1
	Forestry/Shop South		Carens				VIDK18M4A1N120S-M	254364-002					H	2
	Forestry Shop South 2 Cycle Exhaust Booth		Carens				VIDK18M4A1N120S-M	254364-001	2		4L410		H	2
	Forestry/Shop North		Carens				VIDK18M4A1N120S-M	254364-001					H	2
	Large Garage		Greenheck	Exhaust	EF1	GB-330-15	96105338	1	ASO				H	2
	Large Garage		Greenheck	Exhaust	EF2	GB-330-16	96105339	1	ASO				H	2
	Large Garage		Greenheck	Exhaust	EF3	GB-330-17	96105340	1	ASO				H	2
	Large Garage		Greenheck	Exhaust	EF4	GB-330-18	96105341	1	ASO				H	2
	Large Garage		Vulcain	NE NO2	NO2 Sensor #1	VA-201T-Q1/NO2								
	Large Garage		Vulcain	NC NO2	NO2 Sensor #2	VA-201T-Q1/NO2								
	Large Garage		Vulcain	SE NO2	NO2 Sensor #3	VA-201T-Q1/NO2								
	Large Garage		Vulcain	NW CO	CO Sensor #1	VA-201T-Q1/CO								
	Large Garage		Vulcain	SW CO	CO Sensor #2	VA-201T-Q1/CO								
	Large Garage		Vulcain	EC CO	CO Sensor #3	VA-201T-Q1/CO								
	Large Garage		Vulcain	CO/NO2	Control Panel	VA-201C								

Forestry/Sanitation Central (Bldg. No. 1650)

Qty	V-Belt(s)
1	BX38
1	BX42
1	A50
2	B41
2	4L410

Forestry/Sanitation Central (Bldg. No. 1650)

Qty	Size
2	16x25x2
6	20x20x2
6	20x20x2
1	8 7/8x19 1/8x1
2	Washable

Building # 1674 Central Repair Garage												
Location	Roof	Make	Type	Tag	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/year)	
South West	High	Centri Master	Exhaust	FANS 3	PNU135 3/4 HP	UWF029902	1	4L220		H	2	
South West	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
South West	High	Lovent Cook	Exhaust	FANS 4	245CPS	00/0005101	2	A57		H	2	
South West	High	Centri Master	Exhaust		PNU135 3/4HP	UWF029902	1	4L220		H	2	
South Center	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
South Center	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
South Center	High	Centri Master	Exhaust	FANS 8	PNU120 1/2HP	UWF029901	1	4L240		H	2	
South Center	High	Centri Master	Exhaust	FANS 7	PNU165 1HP	UWF029905	1	4L280		H	2	
South East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
South East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
South East	High	Centri Master	Exhaust	FANS 6	PNU165 1HP	UWF029906	1	A26		H	2	
South East	High	Lovent Cook	Exhaust		245CPS	00/0005102	2	A57		H	2	
North East	High	Centri Master	Exhaust		PNU135 3/4HP	UWF029902	1	4L220		H	2	
North East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
North West	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
North West	High	Centri Master	Exhaust	FANS 5	PNU135 3/4HP	UWF029902	1	4L220		H	2	
North West	High	Centri Master	Exhaust	FANS 2	PNU120 1/2HP	UWF029901	1	4L280		H	2	
North Center	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
North Center	High	Centri Master	Exhaust		PNU135 3/4HP	UWF029902	1	4L220		H	2	
North Center	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
North West	High	Centri Master	Exhaust		PNU135 3/4HP	UWF029902	1	4L220		H	2	
North West	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
North Center	High	Twin City Fan	Exhaust	RE - 2	BCRD-160C	103-183606-2	1	4L240		H	2	
North Center	High	Sky Master	Exhaust		EC30H	ZJA335308	1	A34		H	2	
North Center	High	Car - Mon	Exhaust		FX13R	66553	1	A26		H	2	
North Center	High	Sky Master	Exhaust		ECM24C	ZJA335300	1	AX28		H	2	
North East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
North East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
South West	High	Twin City Fan	Exhaust		BCRC-180C	103-183606-1	1	4L290		H	2	
South West	High	Cook	Exhaust		Missing	Mushroom 36" sq.	2	4L350		H	2	
South West	High	Cook	Exhaust		100C26-00-02286	S232275	1	4L180		H	2	
South Center	High	Sky Master	Exhaust		EC30H	ZJA335308	1	A34		H	2	
South Center	High	Sky Master	Exhaust		Tom Off	New Car Set Up	1	AX28		H	2	
South Center	High	Cook	Exhaust		Missing	Mushroom 24" sq.	1	4L240		H	2	
South East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A35		H	2	
North West	High	Greenheck	Exhaust	EF-1	GB-091-4	03J09734	1	3L210		H	2	
North East	High	Cook	Exhaust		PRV-28	300ACR U 300R9B	1	AX37		H	2	
North East	High	Cook	Exhaust		DD	00/0001901	1	AX37		H	2	
South West	High	Cook	Exhaust		UCB 36V38B	98377-87811	2	4L390		H	2	
South Center	High	Cook	Exhaust		245ACRU 245 R7B	00/0000701	1	4L300		H	2	
South East	High	Dayton	Exhaust		4YU96	11274714--0804	1	4L240		H	2	
North West	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
North West	High	Cook	Exhaust	EF 12	165CPS	00/0000681	1	AX37		H	2	
South West	High	Cook	Exhaust		EC36J	ZJA335307	1	A34		H	2	
South West	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
South Center	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
South Center	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
NE Center	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
North East	High	Cook	Exhaust	EF 13	165CPS	00/0006802	1	AX37		H	2	
North East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
North East	High	Sky Master	Exhaust		EC36J	ZJA335307	1	A34		H	2	
Light Repair Entry	Lower South Roof	Dayton	Exhaust		4H-X80 / BK438	D02 920026	1	4L180		H	2	
Heavy Repair Entry	Lower North East Roof	Cook	Exhaust		OCB 1508BB	S-11377-6781	1	4L240		H	2	
Battery Room	East Roof	Cook	Exhaust		165SON 165SON-B	00/0000701	1	A48	Spot Exhaust Grease Only	H	2	
Weld Shop		Missing	Exhaust		Missing			Direct Drive		H	2	

Tube Heater

Building # 1674 Central Repair Garage										Tasking Schedule	Yearly PM Frequency (x/year)
Location	Make	Type	Tag	Model	Serial	Filter Notes	Notes	Tasking Schedule	Yearly PM Frequency (x/year)		
Light Repair	Co Ray Vac	Tube Heater	LR # 1	CRVB 6	0610-027-060-0046	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 2	CRVB 6	0610-027-060-0048	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 3	CRVB 6	0610-027-060-0043	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 4	CRVB 6	0608-027-060-0037	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 5	CRVB 6	0608-027-060-0032	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 6	CRVB 6	0608-027-060-0031	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 7	CRVB 6	0608-027-060-0026	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 8	CRVB 6	0608-027-060-0028	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 9	CRVB 6	0608-027-060-0030	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 10	CRVB 8	0608-027-060-0027	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 11	CRVB 8	0605-027-080-0022	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 12	CRVB 8	0605-027-080-0051	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 13	CRVB 8	0605-027-080-0043	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 14	CRVB 8	0606-027-080-0028	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 15	CRVB 8	0605-027-080-0048	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 16	CRVB 8	0605-027-080-0052	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 17	CRVB 8	0606-027-080-0024	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 18	CRVB 8	0606-027-080-0019	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 19	CRVB 8	0606-027-080-0027	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 20	CRVB 8	0606-027-080-0026	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 21	CRVB 8	0606-027-080-0014	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 22	CRVB 8	0606-027-080-0015	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 23	CRVB 8	0606-027-080-0016	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 24	CRVB 8	0606-027-080-0005	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 25	CRVB 8	0606-027-080-0008	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 26	CRVB 8	0605-027-080-0050	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 27	CRVB 8	0606-027-080-0021	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 28	CRVB 8	0606-027-080-0023	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 29	CRVB 8	0606-027-080-0025	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 30	CRVB 8	0606-027-080-0012	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 31	CRVB 10	0608-027-100-0115	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Co Ray Vac	Tube Heater	LR # 32	CRVB 10	0608-027-100-0117	Filter & Gasket 01312400	19' Lift	BI	1		
Light Repair	Roberts Gordon	Exhaust Vacuum	West Vacuum	EP 303	0604-005-0005			BI	1		
Light Repair	Roberts Gordon	Exhaust Vacuum	West Vacuum	EP 303	0604-005-0002			BI	1		
Light Repair	Roberts Gordon	Exhaust Vacuum	West Vacuum	EP 203	0603-003-0010			BI	1		
Light Repair	Roberts Gordon	Exhaust Vacuum	East Vacuum	EP 208	0603-003-0009			BI	1		
Light Repair	Roberts Gordon	Exhaust Vacuum	East Vacuum	EP 203	0603-003-0007			BI	1		
Light Repair	Roberts Gordon	Ultra Vac Panel	West Vacuum	10080001	0605-008-0021			BI	1		
Light Repair	Roberts Gordon	Ultra Vac Panel	West Vacuum	10080001	0605-008-0025			BI	1		
Light Repair	Roberts Gordon	Ultra Vac Panel	East Vacuum	10080001	0605-008-0023			BI	1		
Light Repair	Roberts Gordon	Ultra Vac Panel	East Vacuum	10080001	0605-008-0020			BI	1		
Light Repair	Roberts Gordon	Ultra Vac Panel	Entry Vacuum	10080001	0605-008-0027			BI	1		

Tube Heater

Building # 1674 Central Repair Garage									
Location	Make	Type	Tag	Model	Serial	Filter Notes	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
Heavy Repair	Co Ray Vac	Tube Heater	HR # 1	CRVB 10	0608-027-100-0119	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 2	CRVB 10	0608-027-100-0113	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 3	CRVB 10	0608-027-100-0111	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 4	CRVB 10	0608-027-100-0126	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 5	CRVB 10	0608-027-100-0123	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 6	CRVB 10	0608-027-100-0129	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 7	CRVB 10	0608-027-100-0122	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 8	CRVB 10	0608-027-100-0124	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 9	CRVB 10	0608-027-100-0114	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 10	CRVB 10	0608-027-100-0120	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 11	CRVB 10	0608-027-100-0118	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 12	CRVB 10	0608-027-100-0130	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 13	CRVB 10	0608-027-100-0121	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 14	CRVB 10	0608-027-100-0125	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 15	CRVB 10	0608-027-100-0128	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 16	CRVB 10	0608-027-100-0127	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 17	CRVB 8	0606-027-080-0007	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 18	CRVB 8	0606-027-080-0009	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 19	CRVB 8	0606-027-080-0011	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 20	CRVB 8	0606-027-080-0013	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 21	CRVB 8	0606-027-080-0006	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 22	CRVB 8	0606-027-080-00187	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 23	CRVB 8	0606-027-080-0004	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 24	CRVB 8	0606-027-080-0010	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 25	CRVB 10	0606-027-080-0112	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Co Ray Vac	Tube Heater	HR # 26	CRVB 10	0606-027-080-0116	Filter & Gasket 01312400	40' Articulated Lift	BI	1
Heavy Repair	Roberts Gordon	Exhaust Vacuum	West Vacuum	Missing	0067-005-0001		19' Lift	BI	1
Heavy Repair	Roberts Gordon	Exhaust Vacuum	East Vacuum	EP 303	0604-005-0001		19' Lift	BI	1
Heavy Repair	Roberts Gordon	Exhaust Vacuum	East Vacuum	EP 203	0603-003-0011		19' Lift	BI	1
Heavy Repair	Roberts Gordon	Ultra Vac Panel	West Vacuum	10080001	0605-008-0022		19' Lift	BI	1
Heavy Repair	Roberts Gordon	Ultra Vac Panel	Center Vacuum	10080001	0605-008-0014		19' Lift	BI	1
Heavy Repair	Roberts Gordon	Ultra Vac Panel	East Vacuum	10080001	0605-008-0019		19' Lift	BI	1
Heavy Repair	Roberts Gordon	Ultra Vac Panel	Entry Vacuum	10080001	0605-008-0015		19' Lift	BI	1

Unit Heaters

Building # 1674 Central Repair Garage										
Location	Make	Type	City of Milwaukee Tag	Model	Serial	Date Code	Notes	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
Heavy Repair	Reznor	Unit Heater	GFDH - 1	LDAP 800	BFK79V3N33694X	Nov-06	2-400MBH Units	40' Articulated Lift	1	1
Heavy Repair	Reznor	Unit Heater	GFDH - 2	LDAP 800	BFK79V3N33697X	Nov-06	2-400MBH Units	40' Articulated Lift	1	1
Light Repair	Reznor	Unit Heater	GFDH - 3	LDAP 800	BFK79V3N33698X	Nov-06	2-400MBH Units	19' Lift	1	1
Light Repair	Reznor	Unit Heater	GFDH - 4	LDAP 800	BFK79V3N33695X	Nov-06	2-400MBH Units	19' Lift	1	1
Wash Bay	Reznor	Unit Heater	GFDH - 5	LDAP 800	BFK79V3N33696X	Nov-06	2-400MBH Units	8' Ladder	1	1
Heavy Repair	Reznor	Unit Heater	GFDH - 6	LDAP 400-2	BGA79V9N43474X	Jan-07	1-400MBH Units	40' Articulated Lift	1	1
Heavy Repair	Reznor	Unit Heater	GFDH - 7	LDAP 400-2	BGA79V9N43473X	Jan-07	1-400MBH Units	40' Articulated Lift	1	1
Heavy Repair	Reznor	Unit Heater	GFDH - 8	LDAP 400-2	BGA79V9N43476X	Jan-07	1-400MBH Units	40' Articulated Lift	1	1
Light Repair	Reznor	Unit Heater	GFDH - 9	LDAP 400-2	BFL79V9N35937X	Jan-07	1-400MBH Units	19' Lift	1	1
Stock Room Receiving	Reznor	Unit Heater		VDAP 175	BGB79V2N51813X	Feb. 2007		8' Ladder	1	1

Wash Bay

Building # 1674 Central Repair Garage									
Location	Make	Type	Model	Serial	QTY	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
Wash Bay	Wilkins Zurn	Back Flow	3/4" Back Flow	WI tag 1241402	2	AX37	Maintained by City of Milwaukee	I	1
Wash Bay	Landau	Pressure Washer	VHG4-2000	P1201-96952	2	A44		H	2
Wash Bay	48" Wall Mount Exhaust	Exhaust	Missing						
Wash Bay	Reznor Heater On Heater List								

Weld Shop

Building # 1674 Central Repair Garage							
Location	Make	Type	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
West Wall	Smokeeater		DC-DAO	60057981	Must have high voltage probe	BK	4
East Wall	Smokeeater		DC-DAO	60657982	Must have high voltage probe	BK	4

Spray Booth & Paint Storage

Building # 1674 Central Repair Garage													
Location	Make	Type	Model	Serial	QTY	V-Belt(s)	QTY	Filters	QTY	Washable Filters	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
Large Equipment Spray Booth	Sterling Design	Breathable Air Grade D Air Station											
Large Equipment Spray Booth	Dayton	North Exhaust	3C415D	11/4/03 New	2	A57						H	2
Large Equipment Spray Booth	Dayton	South Exhaust	3C415D	11/4/03 New	2	A57						H	2
Large Equipment Spray Booth	Trian	Make Up	TA-30NG VRH H.O.T.	9015	2	GVX900			15	24X24X1	BAG FILTERS Maintained by Paint Shop	BH	4
Body Shop	Blowtherm	Breathable Air Grade D Air Station	37077	18140903									
Body Shop	Exhaust Filters							20X25X2	3		North Fan		4
Body Shop	Exhaust Filters							20X25X2	2		South Fan		4
Paint Storage	RayPak	Boiler	H1-0133	705266325									

RTU HVAC

Building # 1674 Central Repair Garage															
Location	Roof	Make	Type	Tag	Model	Serial	QTY	V-Belt(s)	QTY	Filters	QTY	Washable Filters	Notes	Tasking Schedule	Yearly PM Frequency (X/Year)
Light Repair Entry	South East Lower	Carrier	RTU	PRTU-8	48PGNCO5DD-60-54	4506G40021	1	AX-50	4	16X20X2	2	Mist Eliminator		AQ	4
Heavy Repair Entry	North East Lower	Carrier	RTU	PRTU-7	48PGNCO6DD-60-54	4506G40010	1	AX-51	4	18X20X2	2	Mist Eliminator		AQ	4
Light Repair	East	Annexair	Make Up	GFMU-4	ERP-E-12-FP-HG	1008-04-0207	4	B72	24	16X20X2	8	16X20X2		BH	4
Light Repair	West	Annexair	Make Up	GFMU-3	ERP-E-12-FP-HG	1008-03-0207	4	B72	24	16X20X2	8	16X20X2		BH	4
Heavy Repair	Middle East	Annexair	Make Up	GFMU-2	ERP-E-20-FP12-HG	1008-02-0207	2	BX68	24	16X20X2	12	16X20X2		BH	4
Heavy Repair	Middle East	Annexair	Make Up	GFMU-2	ERP-E-20-FP12-HG	1008-02-0207	3	BX90	24	16X20X2	12	16X20X2		BH	4
Office	Middle East	Carrier	RTU	GFMU-1	ERR-E-20-FP12-HG	1008-01-0207	2	BX68	24	16X20X2	12	16X20X2		BH	4
Office	Middle East	Carrier	RTU		48ZNF040REAA20514	4806U30491	1	5VX630	8	20x25x2	5	20x20x1		AQ	4
Office	Middle East	Carrier	RTU		48ZNF040REAA20514	3BFL219TK09N	1	BX77	8	20x20x2	2	20x24x1		AQ	4
Office	Middle East	Reznor	RTU		RDDA-280-H550	788C	1	B60	6	20x25x2	3	16x25x1		AQ	4
Paint Storage	Paint Storage	Repack	Fan Coil				1	4L400	1	14x25x1				K	4
Center East	Middle West	Trane	Make Up	GFMU-6	DFOA218FNGC4ACK	F06K10788	2	BX54	18	15x20x2				BH	4
Center West	Middle West	Trane	Make Up	GFMU-5	DFOA118FNGC4ABH	F06K10767	2	BX48	9	15x20x2				BH	4
North West	Middle West	Carrier	RTU		48TJN020-691AA	3703F54003	1	BX48	2	20x25x2	1	20x25x1		AQ	4
South West	Middle West	Carrier	RTU		48TJN020-691AA	3703F54002	1	BX48	2	20x25x2	2	20x24x1		AQ	4

Split Systems

Building # 1674 Central Repair Garage													
Location	Roof	Make	Type	Tag	Model	Serial	QTY	Filters	QTY	Washable Filters	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
Computer Room West	Middle West	Leibert	Condensing Unit		Missing							G	4
Computer Room West	Middle West	Leibert	Fan Coil		MMD12E-PHECO	985100 119019	1	20X20X1				J	4
Computer Room Services	Middle West	Payne	Condensing Unit		PA13NR018-E	2108X69859						G	2
		Carrier	Fan Coil		FA4CNF018	1408A73158						J	2
										21.5X13X1	10' Ladder	J	

Furnace

Number	Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
Forestry Sanitation North HQ 1690												
# 1	South Mechanical Room	Carrier	58MXA040-F-1-08	3102A15203	1	DD	1	April Aire # 2200	April Aire 700 Humidifier		O,AG	4
# 2	South Mechanical Room	Carrier	58MXA060-F-1S116	0602A12228	1	DD	1	April Aire # 2200	April Aire 700 Humidifier		O,AG	4
# 3	South Mechanical Room	Carrier	58MXA040-F-1-08	2502A14562	1	DD	1	April Aire # 2200	April Aire 700 Humidifier		O,AG	4
# 4	South Mechanical Room	Carrier	58MXA080-F-1S120	0802A12454	1	DD	1	April Aire # 2200	April Aire 700 Humidifier		O,AG	4
# 5	North Mechanical Room	Carrier	58MXA100-F-1S170	2302A14899	1	DD	1	April Aire # 2200	April Aire 700 Humidifier		O,AG	4
# 1	Roof	Carrier	38CKW024310	0902E12562						Condensing Units Included With		
# 2	Roof	Carrier	38CKW042550	0802E11953								
# 3	Roof	Carrier	38CKW030520	5001E04091						Furnaces		
# 4	Roof	Carrier	38CKW060530	1302E26018								
# 5	Roof	Carrier	38CKW060530	1302E26032								
ERV # 1	Roof	Renew Aire	HE2X900RT	F021557		DD	4	20X20X2			T	4

Unit Heater

Forestry Sanitation North		HQ 1690							
Location	Make	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)			
West Garage	Modine	PVS05E0130	30011054299-3711		I	1			
West Garage	Modine	PVS05E0130	30011054299-3709		I	1			
West Garage	Modine	HD75AH0B4	38011035004-5098		I	1			
North Bay	Modine	PDP75AE0130	39011014106-0494		I	1			
South Bay	Modine	PDP75AE0130	38011014705-3928		I	1			

Entry Heaters

Forestry Sanitation North HQ 1690						
Location	Make	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
South Water Heater Room	Q-Mark	CWH3404B	Date Code 0302		AD	2
South Entrance	Dayton	3UG56D	Date Code 0803		AD	2
North Entrance	Q-Mark	CWH3404B	Date Code 0502		AD	2

Exhaust

City of Milwaukee Tag	Roof	Location	Make	Model	Serial	Qty	V-Belts)	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
Forestry Sanitation North HQ 1690		Forestry Sanitation North HQ 1690								
		West Garage	Greenheck	SBPS-24-25-5	728726	1	A28		H	2
		West Garage	Greenheck	SBPS-24-25-5	728727	1	A28		H	2
	Roof	West Garage	Greenheck	Missing	Missing	1	31200		H	2
		North Garage	Greenheck	Missing	Missing	1	31210		H	2
		North Garage	Greenheck	Missing	Missing	1	31210		H	2
		North Garage	Greenheck	Missing	Missing	1	A32		H	2
		North Garage	Greenheck	Missing	Missing	1	A32		H	2

Pumps

Forestry Sanitation North HQ 1690									
Location	Tag	Make	Bearing Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)		
South Water Heater Room	Domestic Return Pump	Bell & Gossett	NBF 22	103252 B20	Wet Pump, Check Operation	AP	2		

Split Systems

Forestry South HQ 1708								
Location	Make	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)		
Roof North West	Carrier	38CKB048511	1895E17874		G	2		
Roof South West	Carrier	38CKB060510	1895E178463		G	2		

Air Handlers

Forestry South HQ 1708											
Number	Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
AHU #2		Magic Aire	FG3AAA060000AAAA	099SV19016	1	4L480	2	20X20X2	19' Lift	K	4
AHU #1		Applied Air Systems	DFI-HS-HRS	83-6734	1	B60	6	20X20X2	19' Lift	L	4
AHU #2		Magic Aire	FG3AAA048000AAAA	3294V16677	1	4L410	2	20X20X2	19' Lift	K	4
		Reznor	XE100-8-SMVIE	EAU66KIN35A2 / MV3	1	4L390	2	20X20X2	19' Lift	K	4
AAU # 5		Modine	BA7SSFM	1102010487	1	A29	2	16X16X1	19' Lift	K	4

Forestry South HQ 1708												
City of Milwaukee Tag	Number	Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
1708-01HWU-007		North East	Trane	Painted over	Painted over		DD			19' Lift	AR	1
1708-01HWU-006		North West	Trane	Painted over	Painted over		DD			19' Lift	AR	1
1708-01HWU-008		South East	Trane	Painted over	Painted over		DD			19' Lift	AR	1
1708-01HWU-005		South West	Trane	Painted over	Painted over		DD			19' Lift	AR	1
		S Hall to Woman's Lockers	Trane	UHSA03858AAAC Painted over	D848047777 Painted over		DD			19' Lift	AR	1

Exhaust

Forestry South HQ 1708									
Location	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)	
Roof Center East	Missing	Missing	Missing	1	4L180		H	2	
Roof Center	Missing	Missing	Missing		DD		H	2	
Roof Center West	Missing	Missing	Missing	1	3I210		H	2	
Roof South East	Missing	Missing	Missing	1	3I210		H	2	
Roof South West	Missing	Missing	Missing	1	3I210		H	2	
Roof North East	Missing	Missing	Missing	1	3I200		H	2	
Roof North West	Missing	Missing	Missing	1	3I210		H	2	
Small South Storage	Penn	P12R	1096		DD		H	2	
Ladies Room	Greenheck	GW-90-DGEX-DD	87C01311		DD		H	2	
Men Room	Greenheck	GW-80-DGEX-DD	87D01156		DD		H	2	
	Greenheck	GW-90-DGEX-DD	95F00936		DD		H	2	
West Side of Building		Missing	Missing		4I280		H	2	

A C Equipment

Forestry South HQ 1708									
Location	Make	Model	Serial	Qty	V-Belt(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/year)	
2nd Floor South Office	Carrier	51CMS08834	Missing			East Unit	BB	2	
3rd Floor South Office	Carrier	51CMS08834	Missing			West Unit	BB	2	
Woman's Locker Room	Friedrich	ZQ05A10B	LECK04880				BB	2	

Pumps

Forestry South HQ 1708									
Location	Tag	Make	Bearing Model	Serial	Motor Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (X/year)
Mechanical Room	Pump #1	Bell & Gossett	M80082					AP	2
Mechanical Room	Pump #2	Bell & Gossett	M80082					AP	2
Mechanical Room	Pump #3	Bell & Gossett	M7479					AP	2
Mechanical Room	Water Heater	Bell & Gossett	SLC-30B	10320 CL				AP	1
Mechanical Room	Water Heater Venter	Tjernlund	UP-2	0236-075				H	1

Equipment

Building 1793 Parking Enforcement															
Location	Make	Area	Type	Tag	Model	Serial	QTY	V-Belt(s)	QTY	Filters	QTY	Washable Filters	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
Roof South Center	Unknown	Tire Shop	Exhaust	PRV-1			1	A46						H	2
Roof North	Unknown	Tire Shop	Exhaust	PRV-2			1	A46						H	2
Roof North	Unknown	Locker Room	Exhaust	PRV-3			1	A46						H	2
Roof South Center	Unknown	Parking Enforcement Office	Exhaust	PRV-4			1	A46						H	2
Roof South	Cook	Branding Exhaust	Exhaust				1	41170						H	2
Mechanical Room	Industrial Air Systems	Locker Room	Make Up	1793-02-MHU-002 1793-02-FAN-MTR-008	DAC-110 H15	88-1631-1	1	B51	4	20x20x2				BH	4
Mechanical Room	Trane	North Office, Lunch Room	Furnace		TUS160A 960A1	C18531794		DD	2	20x25x1				O	2
Mechanical Room	Trane	North Office, Lunch Room	Condensing Unit		TTA072A300A1	C39267386		DD						G	2
Mechanical Room	Reznor	Locker Room Unoccupied	Furnace		XLB 60-5	ANJ31H8N55345		DD					NOT IN USE		
Hanging From Roof Deck	Industrial Air Systems	Tire Shop	Make Up	1793-02-AHU-001 1793-02-FAN-MTR-001	DAC-118 HRS	88-1632-1	1	B70	6	20x20x2				BH	4
In Ceiling	Trane	Parking Enforcement Office	Furnace		TUX120C960D2	30521W667G		DD					24x25x1	O	2
Roof	Trane	Parking Enforcement Office	Condensing Unit		2TTA0060A3000A4	24511G53F								G	2
Communication Room	Fedders		A/C Thru the wall		73ACA10610IT	0403V1654			1	8x16x.5				BB	2
Hanging From Roof Deck	Trane	Tire Shop	Furnace	#1	THS140A960B0	880817248		DD	1	20x20x1				I	2
Hanging From Roof Deck	Trane	Tire Shop	Furnace	#2	THS140A960B0	880817245		DD	1	20x20x1				I	2
Hanging From Roof Deck	Trane	Tire Shop	Furnace	#3	1793-01-FUR-003 1793-01-FAN-MTR-003	C20309121 880518086		DD	1	20x20x1				I	2
Hanging From Roof Deck	Trane	Tire Shop	Furnace	#4	1793-01-FUR-004 1793-01-FAN-MTR-004	C34317107 880817247		DD	1	20x20x1				I	2
Hanging From Roof Deck	Trane	Tire Shop	Furnace	#5	THS140A960B0	C20309120 880518085		DD	1	20x20x1				I	2
Hanging From Roof Deck	Trane	Tire Shop	Furnace	#6	THS140A960B0	C34317079 880817237		DD	1	20x20x1				I	2
Hanging From Roof Deck	Trane	Parking Enforcement Wash Bay	Unit Heater		MPNDD010AAA1000E	A88107526		DD						I	2
North Wall	Trane	Tire Shop Office	P-Tac		PTE01201JAA	FQ2100016R							Washable	BJ	2

Blide 1796 DPW Field Headquarters													
Number	Location	Make	Model	Serial	Qty	V-Bulk(s)	Qty	Filter Size	Qty	Washable Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
RTU#1	North Roof	Trane	YCD600A4HR2B8N15A000000H0K00000	C05H07573	2	BX97	17	16x20x2	3			AQ	4
ERV#1	North Roof	Renew Aire	HE4XRT	H05 6769	1	A40	8	20x20x2				T	4
RTU#2	North Roof	Trane	YCD301CALACA	536100578D	1	BX81	4	20x25x2	3			AQ	4
RTU#3	North Roof	Trane	YCD181C4HACA	536100562D	1	BX68	4	20x20x2	3			AQ	4
RTU#4	High Roof NE	Trane	YHC060A4RH423D0000000203A0 B	535101479L	2	DD	2	20x30x1	2			AQ	4
RTU#5	High Roof NW	Trane	YHC060A4RH426D0000000203A0 B	542100329L	2	DD	2	20x30x1	2			AQ	4
RTU#6	High Roof NW	Trane	YHC072A48AH1SD0000000203A0 C	542100030L	1	AX32	4	16x25x2	2			AQ	4
RTU#7	High Roof	Carrier	50TEED04-A-511--	3807G50301	1	A36	2	16x25x2	1	14 1/2x31 1/2x3/4		F	3

Bid# 1796 DPW Field Headquarters												
City of Milwaukee Tag	Number	Location	Make	Model	Serial	Qty	V-Belts	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
	ACCU1	West Wall Server Room South North West Roof	Enviro-Air Enviro-Air	ACW-24D-B CCW-24D-B	OO1055 3ACR 88894	2		2	Washable		BF Inc.	4
	ACCU2	West Wall Server Room North North West Roof	Enviro-Air Enviro-Air	ACW-24D-B CCW-24D-B	OO1058 3ACR 88892	2		2	Washable		BF Inc.	4
	F1	South Lunchroom	Nordyne	K66RC-040C-08A	KGD041103101	1	DD	1	14x25x1		O Inc.	4
	ACCU3	High Roof Southeast South Lunchroom	Nordyne	GS3BA-024KA	GS6040502699	1	DD	1	14x20x1		O Inc.	4
	F2	Paint Storage	Nordyne	K66RC-060C-12A	K6D050501109	1	DD	1	14x20x1		O Inc.	4

Paint Booth

Bid 1796 DPW Field Headquarters										
Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (X/Year)
Paint Shop	Global Finishing Solutions	CFA 22	381286	2	BX83	4	16x25x2	MAU Supply Fan	BH	4
Paint Shop	Global Finishing Solutions East Exhaust			2	B64	12	20x25x2	Exhaust Fan	H	2
Paint Shop	Global Finishing Solutions West Exhaust			2	B64			Exhaust Fan	H	2

Blide 1796 DPW Field Headquarters													
Number	Location	Make	Model	Serial	Qty	V-Belt(s)	Qty	Filter Size	Qty	Washable Filter Size	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
MAU #1	High Roof SW	Captive-Aire Systems	CAH 227	Job # 360329	3	SVX850			5	16x25x2		BH	4
MAU #2	High Roof NW	Captive-Aire Systems	CAH 227	Job # 360329	3	SVX850			5	16x25x2		BH	4
MAU #3	High Roof NC Weld Shop	Captive-Aire Systems	CAH 25	Job # 370719	2	BX81			3	16x25x2		BH	4
MAU #3	Weld Shop	ABB Frequency Drive	ACH550-UH-031A-4	2060201093							20HP 31A Dec. 8, 2004 Maintained by JMB & Associates		

Unit Heaters

Bldg 1796 DpW Field Headquarters							Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
Number	Location	Make	Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)		
MAU #10	Tool Room	Modine	PDP100AE0130	39011010805-9374	19' Lift	I	1		
MAU #3	Mechanics Service Area	Modine	PDP300AE0130	15101010305-1017	19' Lift	I	1		
MAU #4	Infra. & Water Mechanic Shop	Modine	PDP100AE0130	38011015304-7346	19' Lift	I	1		
MAU #5	Weld Shop Make up Air	Modine	PDP200AE0130	39011015104-4799	19' Lift	I	1		
MAU #6	Carpenters Shop	Modine	PSH170AV0130	39102052705-3542	19' Lift	I	1		
MAU #7	Barriance Shop	Modine	PDP125AE0130	39011012905-5201	19' Lift	I	1		
MAU #8	Maintenance Shop	Modine	PDP100AE0130	38011012405-9311	19' Lift	I	1		
UH #10	Stockroom Loading Dock	Modine	PDP250AE0130	39011012905-5206	19' Lift	I	1		
UH #11	Stockroom North West	Modine	PDP125AE0130	39011012905-5221	19' Lift	I	1		
UH #12	Stockroom North East	Modine	PDP100AE0130	38011015304-7292	19' Lift	I	1		
UH #13	Stockroom	Modine	PDP100AE0130	39011013305-9875	19' Lift	I	1		
UH #14	Stockroom	Modine	PDP100AE0130	38011012405-9309	19' Lift	I	1		
UH #15	Stockroom	Modine	PDP100AE0130	38011013904-8051	19' Lift	I	1		
UH #16	Stockroom	Modine	PDP125AE0130	39011012902-5223	19' Lift	I	1		
UH #17	Infra. & Water Mechanic Shop	Modine	PDP100AE0130	39011010805-9686	19' Lift	I	1		
UH #18	Weld Shop South West	Modine	PDP 75AE0130	39011014604-9680	19' Lift	I	1		
UH #19	Weld Shop South East	Modine	PDP125AE0130	38011010905-9815	19' Lift	I	1		
UH #21	Blacksmith Shop	Modine	PDP 75AE0130	39011014604-9678	19' Lift	I	1		
UH #22	Paint Prep North East	Modine	PDP125AE0130	38011010905-9777	19' Lift	I	1		
UH #23	Paint Shop South West	Modine	PSH130AV0130	39012062105-5877	19' Lift	I	1		
UH #24	Paint Shop South East	Modine	PDP125AE0130	39012052105-5869	19' Lift	I	1		
MAU #25	Carpenters Shop	Modine	PSH170AV0130	39012052105-5870	19' Lift	I	1		
UH #26	Carpenters Storage	Modine	PDP 50AE0130	38011011104-8037	19' Lift	I	1		
UH #27	Board up Shop	Modine	PDP125AE0130	39011012905-5216	19' Lift	I	1		
UH #28	Brick Layers Shop	Modine	PDP125AE0130	39011012915-5207	19' Lift	I	1		
UH #29	Carpenters Storage	Modine	PDP125AE0130	39011012905-5204	19' Lift	I	1		
UH #30	Carpenters Storage	Modine	PDP125AE0130	39011012905-5205	19' Lift	I	1		
UH #31	Tool Room	Modine	PDP 50AE0130	38011011104-8036	19' Lift	I	1		
UH #9	Mechanics Service Area	Modine	PDP125AE0130	38011010905-9809	19' Lift	I	1		
UH #1	Parking SW	Modine	PDP250AE0130	30011013305-2633	19' Lift	I	1		
UH #2	Parking SE	Modine	PDP250AE0130	30011013305-2632	19' Lift	I	1		
UH #3	Parking S Center W	Modine	PDP250AE0130	30011011005-0775	19' Lift	I	1		
UH #4	Parking S Center E	Modine	PDP250AE0130	30011012605-2068	19' Lift	I	1		
UH #5	Parking N Center W	Modine	PDP250AE0130	30011012605-2064	19' Lift	I	1		
UH #6	Parking N Center E	Modine	PDP250AE0130	30011012605-2063	19' Lift	I	1		
UH #7	Parking NW	Modine	PDP250AE0130	30011012605-2063	19' Lift	I	1		
UH #8	Parking NE	Modine	PDP250AE0130	30011011105-2683	19' Lift	I	1		
MAU #9	Electricians' Shop	Modine	PDP100AE0130	39011010805-9385	19' Lift	I	1		

Exhaust

Bldg 1796 DPW Field Headquarters										
Roof	Location	Tag	Make	Model	Serial	Qty	V-Bank(s)	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
High Roof	Northeast Mechanic's Service Area	UEF 1	Penn	D12	F01509	1	4I340		H	2
High Roof	Northeast Mechanic's Service Area	PRV3	Penn	DX16R	L044612	1	DD		H	2
High Roof	Northeast Mechanic's Service Area	PRV4	Penn	MADY11B	L066156	1	4I260	Floor Exhaust CO / NO2 Floor Exhaust Use	H	2
High Roof NE Floor	Central Parking	PRV2	Penn	HZ54	Missing	2	8Y64	Floor Exhaust CO / NO2 Floor Exhaust Use	H	2
High Roof NW Ceiling	Central Parking	PRV11	Penn	HS48	Missing	2	8X58	Floor Exhaust CO / NO2 Floor Exhaust Use	H	2
High Roof SW Floor	Central Parking	PRV1	Penn	HZ54	Missing	2	8Y63	Floor Exhaust CO / NO2 Floor Exhaust Use	H	2
High Roof SE Ceiling	Central Parking	PRV10	Penn	HS48	Missing	2	8X58	Floor Exhaust CO / NO2 Floor Exhaust Use	H	2
High Roof East	N of Welding MAU		Emerson	SDDU13DS	941404		DD		H	2
High Roof East	N of Welding MAU		Emerson	SDDU13DS	999328	1	DD		H	2
High Roof East	N of Welding MAU		Flowline	BDCK 518		1	4I230		H	2
High Roof	S of Welding MAU		Emerson	SDDU13DS	941929		DD		H	2
High Roof	S of Welding MAU		Penn	DX16R	L044612		DD		H	2
High Roof	Paint Storage		Penn	DX11B	L083019	1	4I230		H	2
High Roof	S of Paint Booth	Mark-EH1	Greenheck	CUBE-101-3-X	11480924 0807	1	AP20		H	2
High Roof	Maintenance Exhaust	PRV8	Penn	DX11B	L066165	1	4I260		H	2
High Roof	S of Paint Booth		Penn Berry	D-12	60470746	1	4I300		H	2
High Roof SE	Carpenter Storage	PRV6	Penn	DX13R	L048868		DD		H	2
High Roof	Weld Shop South West		Car-Mon	GMB-10F	55004	2	4I270		H	2
	Infra. & Water Mechanic Shop Small		Car-Mon	GMW-13	709333 #1		DD		H	2
	Infra. & Water Mechanic Shop Small		Car-Mon	GMW-13	709333 #2		DD		H	2

A/C Equipment

Bldg 1796 DPW Field Headquarters										
Location	Make	Model	Serial	Qty	V-Belts)	Qty	Filters	Notes	Tasking Schedule	Yearly PM Frequency (x/Year)
South West Wall Tool Room	Kanmore	580.74300400	402KAWZ00123 DA5570				Washable		BB	2
North West Wall Tool Room	Kanmore	580.74300400	402KAYR01338 1A7100				Washable		BB	2
Infra. & Water Machine Shop	Kanmore	580.76014600	511TAZ08741				Washable		BB	2
Electrical Workshop	Friedrich	WS13A30D	JJGS03678				Washable		BB	2
Through out Building	De Stratifaction Fans	59G1						Total of 57 Fans Need a 19' Lift		1

Pumps

Bldg 1796 DPW Field Headquarters									
Location	Tag	Make	Bearing Model	Serial	Motor Model	Serial	Notes	Tasking Schedule	Yearly PM Frequency (x/year)
NE Mop Sink Area	Domestic Tank Loop	Bell & Gossett	PL45B	11B004				AP	2

DPW Field Headquarters (Bldg. No. 1796)

Qty	V-Belt(s)	Qty	Filter Size
2	4L230	1	14x20x1
2	4L260	1	14x25x1
2	4L270	17	16x20x2
1	4L300	10	16x25x2
6	5VX850	16	20x20x2
1	A36	20	20x25x2
1	A40	4	20x30x1
1	A44		
1	AP20		
1	AX32		
4	B64		
4	BX58		
2	BX63		
2	BX64		
1	BX68		
3	BX81		
2	BX83		
2	BX97		



MECHANICAL EQUIPMENT TASKS TO BE  
PERFORMED  
MARCH, 2012

CONTENTS:

<u>TASK SCHEDULE</u>	<u>PREVENTIVE MAINTENANCE FOR</u>
A	Steam Humidifier
AD	Steam Humidifier
AG	Humidifier/Furnace
AN	A/C Unit
AO	Air Conditioning Unit
AP	Pump
AQ	Packaged HVAC Unit
AR	Terminal and Fan Coil Units
AT	Tube Heaters
AU	Gas Fired Duct Heater
AW	Power Roof Ventilator
B	Return Fans
BB	Air Conditioning Unit
BF	Ductless Split System
BH	Direct Fired Make Up Air Unit
BI	Co-Ray-Vac Tube Heater
BJ	Return Fans
F	Air Conditioning Unit
G	Condensing Unit
H	Exhaust Fans
I	Unit Heater
J	Split System Cooler

K	Air Handling Unit
L	Gas-Fired Make-Up Air Unit
M	Heat Recovery Units
O	Heat and Cool Split System
P	Unit Ventilators
Q	Cooling Towers
S	Hot Water or Steam Unit Heater
T	Energy Recovery Unit

# PM Master Work Order Form

Job No. MASTER-HMD-TASK SCHEDULE A

Procedure Description PREVENTIVE MAINTENANCE FOR STEAM HUMIDIFIER

Priority	Maintenance Code	MAINT. TECH.
Cost Center	Work Type	CHC
Shift		

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Semi-Annual		08/27/2011	09/01/2011

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET25	CONTACTOR INSPECTION		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	KT01	INSPECT BOTTLE/KETTLE & CLEAN AS NEEDED		0.00
S	KT03	INSPECT BOTTLE CHECK ELECTRODES		0.00
S	KT05	DRAIN & DRAIN VALVE INSPECTION		0.00
S	KT07	FEED VALVE ISPECTION		0.00
S	KT09	CHECK DISTRIBUTION SYSTEM		0.00
S	CC01	INSPECT DUCT HIGH LIMIT		0.00
S	CC03	INSPECT AIRFLOW INTERLOCK		0.00
S	CC05	CHECK HUMIDISTAT FOR CALIBRATION AND OPERATION		0.00
S	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
S	SC21	OPERATIONAL SEQUENCE CHECK		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

Blank form to fill in work order description  
5/9/2011 :

# PM Master Work Order Form

Job No. MASTER-HFU-TASK SCHEDULE AD

Procedure Description PREVENTIVE MAINTENANCE FOR STEAM HUMIDIFIER

Priority

Maintenance Code MAINT. TECH.

Cost Center

Work Type CHC

Shift

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Semi-Annual		08/27/2011	09/01/2011

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU15	AIR LEAKS		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
S	SC07	MEASURE AND RECORD TEMPERATURE RISE		0.00
S	SC21	OPERATIONAL SEQUENCE CHECK		0.00
S	ET15	SAFETY CIRCUIT CHECK		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

Blank form to fill in work order description

# PM Master Work Order Form

**Job No.** MASTER-FUR-TASK SCHED AG

**Procedure Description** PREVENTIVE MAINTENANCE FOR HUMIDIFIER/FURNACE

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b> CHC
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Annual	<b>Last Scheduled Date</b>	<b>Active Date</b> 08/27/2011	<b>Next Scheduled Date</b> 09/01/2011
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINERY		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET29	CHECK SOLENOID VALVE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	KT11	INSPECT DISTRIBUTION TRAY & CLEAN AS NEEDED		0.00
A	KT13	REPLACE EVEAPORATIVE PAD		0.00
A	KT15	CHECK DRAIN		0.00
A	KT17	CHECK DRAIN HOSE FOR OBSTRUCTION		0.00
A	KT09	CHECK DISTRIBUTION SYSTEM		0.00
A	CC03	INSPECT AIRFLOW INTERLOCK		0.00
A	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
A	CC05	CHECK HUMIDISTAT FOR CALIBRATION AND OPERATION		0.00
A	SC21	OPERATIONAL SEQUENCE CHECK		0.00
A	KT19	CHECK WATER FEED		0.00
A	KT23	OIL MOTOR		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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WO Desc.

# PM Master Work Order Form

**Job No.** MASTER-ACU-TASK SCHEDULE AN

**Procedure Description** PREVENTIVE MAINTENANCE FOR A/C UNIT

**Priority**  
**Cost Center**  
**Shift**

**Maintenance Code** MAINT. TECH.  
**Work Type**

**Equipment No.** 000-PROTEUS  
**Equipment Name** DATA BASE INPUT  
**Location**

**Cycle Type** Semi-Annual  
**Last Scheduled Date**  
**Active Date**  
**Next Scheduled Date**

**Runtime Cycle** 0.00  
**Runtime Advance** 0.00  
**Next PM** 0.00  
**Last PM** 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINERY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	GU11	TANK AND PIPING INTEGRITY		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	ET17	RECORD RUN TIME		0.00
S	ET19	VERIFY CUTOFF AND ALTERNATOR OPERATION		0.00
S	DM01	INSPECT DRIVE AND BELTS		0.00
S	DM05	CONFIRM ALIGNMENT		0.00
S	DM03	BELT REPLACEMENT		0.00
S	SM13	DRAIN TANK		0.00
S	SM15	CHANGE OIL AND FILTERS		0.00
S	SM17	CHANGE SUCTION FILTERS		0.00
S	SM19	VERIFY OIL PRESSURE		0.00
S	SM21	CHECK UNLOADING SEQUENCE		0.00
S	SM23	VERIFY PRESSURE RELIEF		0.00

**Cycle Type** **Part No.** **Part Name** **Qty Allocated** **Stockroom**

**Cycle Type** **Employee No.** **Employee Name** **Labor Code** **Est. Hours** **Task No.**

**Cycle Type** **Tool Description**

**WO Desc.**

12/21/2011 :

USERPMM.RPT

# PM Master Work Order Form

**Job No.** MASTER-DXCHILLER-TASK SCHED AO

**Procedure Description** PREVENTIVE MAINTENANCE FOR AIR CONDITIONING UNIT

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b>
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Annual	<b>Last Scheduled Date</b>	<b>Active Date</b>	<b>Next Scheduled Date</b>
<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINTRY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
A	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
A	FT11	HOUSING INSPECTION		0.00
A	RT05	CHECK REFRIGERANT LEVELS		0.00
A	RT07	SAFETY AND OPERATING CHECK		0.00
A	RT09	CAPACITY CONTROL CHECKS		0.00
A	RT11	MOISTURE CHECKS		0.00
A	RT13	CHECK FOR VISIBLE LEAKS		0.00
A	RT15	METERING DEVICE CHECKS		0.00
A	RT17	VERIFY CRANKCASE HEATER OPERATION		0.00
A	RT29	CONDENSER FANS CHECK AND LUBRICATION		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

4/19/2011 :

# PM Master Work Order Form

Job No. MASTER-PUMP-TASK SCHEDULE AP

Procedure Description PREVENTIVE MAINTENANCE FOR PUMP

Priority

Maintenance Code MAINT. TECH.

Cost Center

Work Type

Shift

Equipment No.  
000-PROTEUS

Equipment Name  
DATA BASE INPUT

Location

Cycle Type  
Semi-Annual

Last Scheduled Date

Active Date  
03/09/2011

Next Scheduled Date  
03/14/2011

Runtime Cycle  
0.00

Runtime Advance  
0.00

Next PM  
0.00

Last PM  
0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	GU10	INSPECT GUARDS		0.00
S	GU12	CHECK ALIGNMENT		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	PT01	PUMP AND BEARING LUBRICATION		0.00
S	PT03	CHECK FOR LEAKS		0.00
S	PT05	GAUGES CHECK		0.00
S	PT07	MEASURE AND RECORD PRESSURES		0.00
S	PT09	CHECK STRAINERS (AS APPLICABLE)		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type Tool Description

WO Desc.

2/24/2011 :

# PM Master Work Order Form

Job No. MASTER-PKG HVAC-TASK SCHED AQ

Procedure Description PREVENTIVE MAINTENANCE FOR PACKAGED HVAC UNIT

Priority  
 Cost Center  
 Shift

Maintenance Code MAINT. TECH.  
 Work Type

Equipment No. Equipment Name Location  
 000-PROTEUS DATA BASE INPUT

Cycle Type Last Scheduled Date Active Date Next Scheduled Date  
 Semi-Annual 04/20/2011 04/25/2011  
 Annual 04/20/2011 04/25/2011

Runtime Cycle Runtime Advance Next PM Last PM  
 0.00 0.00 0.00 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
A	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
A	RT05	CHECK REFRIGERANT LEVELS		0.00
A	RT07	SAFETY AND OPERATING CHECK		0.00
A	RT09	CAPACITY CONTROL CHECKS		0.00
A	RT11	MOISTURE CHECKS		0.00
A	RT13	CHECK FOR VISIBLE LEAKS		0.00
A	RT15	METERING DEVICE CHECKS		0.00
S	RT17	VERIFY CRANKCASE HEATER OPERATION		0.00
A	RT19	INSPECT PIPING FOR WEAR AND POTENTIAL LEAKS		0.00
A	RT21	RECORD TEMPERATURES AND PRESSURES		0.00
A	RT23	EVAPORATOR INSPECTION		0.00
A	RT24	CLEAN DRAIN LINES		0.00
A	RT25	INSPECT CONDENSATE PANS		0.00
A	RT26	CLEAN CONDENSATE PANS		0.00
A	RT27	BIOCIDES TABLETS IN PANS		0.00
S	GU01	CABINERY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
A	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT13	FILTER MAINTENANCE		0.00

# PM Master Work Order Form

**Job No.** MASTER-PKG HVAC-TASK SCHED AQ

**Procedure Description** PREVENTIVE MAINTENANCE FOR PACKAGED HVAC UNIT

Equipment No.	Equipment Name	Location	
000-PROTEUS	DATA BASE INPUT		
S	FT15	LUBRICATION OF APPLICABLE PARTS	0.00
S	EC01	CLEAN FILTERS	0.00
S	EC03	DAMPER AND LINKAGE INSPECTION	0.00
S	EC05	SEQUENCE TEST	0.00
S	EC07	CALIBRATE AND VERIFY CONTROL POINTS	0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom	
Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.

Cycle Type	Tool Description
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**WO Desc.**  
2/24/2011 :

# PM Master Work Order Form

**Job No.** MASTER-FANCOILUNIT-TASK SCH AR

**Procedure Description** PREVENTIVE MAINTENANCE FOR TERMINAL AND FAN COIL UNITS

**Priority**

**Maintenance Code** MAINT. TECH.

**Cost Center**

**Work Type**

**Shift**

**Equipment No.**  
000-PROTEUS

**Equipment Name**  
DATA BASE INPUT

**Location**

**Cycle Type**  
Semi-Annual

**Last Scheduled Date**

**Active Date**

**Next Scheduled Date**

**Runtime Cycle**  
0.00

**Runtime Advance**  
0.00

**Next PM**  
0.00

**Last PM**  
0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	CT01	INSPECTION OF COILS FOR CLEANLINESS		0.00
S	CT03	VISUAL INSPECTION FOR LEAKS		0.00
S	CT05	VALVE CHECK - CONTROL, BLOCKING, EXPANSION		0.00
S	CT07	CHECK STRAINERS AND CLEAN AS NECESSARY		0.00
S	CT13	CONDENSATE DRAINS AND PAN MAINTENANCE		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
S	FT05	BELT REPLACEMENT		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT13	FILTER MAINTENANCE		0.00
S	FT19	INLET GUIDE VANES INSPECTION		0.00
S	FT21	FACE AND BYPASS INSPECTION		0.00
S	GU01	CABINTRY		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
S	SC21	OPERATIONAL SEQUENCE CHECK		0.00
S	CT15	FLUSH AND FILL / WINTERIZE COILS (AS REQUIRED)		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom	
Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.

# PM Master Work Order Form

Job No. MASTER-FANCOILUNIT-TASK SCH AR

Procedure Description PREVENTIVE MAINTENANCE FOR TERMINAL AND FAN COIL UNITS

Equipment No.

Equipment Name

Location

000-PROTEUS

DATA BASE INPUT

Cycle Type Tool Description

WO Desc.

# PM Master Work Order Form

**Job No.** MASTER-THR-SCHEDULE AT

**Procedure Description** PREVENTIVE MAINTENANCE FOR TUBE HEATERS

**Priority**

**Maintenance Code** MAINT. TECH.

**Cost Center**

**Work Type**

**Shift**

**Equipment No.**  
000-PROTEUS

**Equipment Name**  
DATA BASE INPUT

**Location**

**Cycle Type**

**Last Scheduled Date**

**Active Date**

**Next Scheduled Date**

**Runtime Cycle**

**Runtime Advance**

**Next PM**

**Last PM**

0.00

0.00

0.00

0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINERY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
A	FT09	FAN WHEEL INSPECTION		0.00
A	FT11	HOUSING INSPECTION		0.00
A	FT13	FILTER MAINTENANCE		0.00
A	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	ET15	SAFETY CIRCUIT CHECK		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

# PM Master Work Order Form

Job No. MASTER-GAS DH-TASK SCHEDULE AU

Procedure Description PREVENTIVE MAINTENANCE FOR GAS FIRED DUCT HEATER

Priority  
 Cost Center  
 Shift

Maintenance Code MAINT. TECH.  
 Work Type

Equipment No. 000-PROTEUS  
 Equipment Name DATA BASE INPUT  
 Location

Cycle Type Annual  
 Last Scheduled Date  
 Active Date 09/21/2011  
 Next Scheduled Date 09/26/2011

Runtime Cycle 0.00  
 Runtime Advance 0.00  
 Next PM 0.00  
 Last PM 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINTRY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	HT01	HEAT EXCHANGER CHECK		0.00
A	HT03	SAFETY CONTROLS CHECK		0.00
A	HT05	BURNER AND PILOT INSPECTION		0.00
A	HT07	COMBUSTION FAN INSPECTION		0.00
A	HT09	FLUE AND DIVERTER INSPECTION		0.00
A	HT15	GAS PRESSURE AND REGULATOR CHECK		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
A	ET15	SAFETY CIRCUIT CHECK		0.00
A	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
A	SC07	MEASURE AND RECORD TEMPERATURE RISE		0.00
A	SC21	OPERATIONAL SEQUENCE CHECK		0.00

Cycle Type Part No. Part Name Qty Allocated Stockroom

Cycle Type Employee No. Employee Name Labor Code Est. Hours Task No.

Cycle Type Tool Description

WO Desc.

# PM Master Work Order Form

Job No. MASTER-PRV-TASK SCHEDULE AW

Procedure Description PREVENTIVE MAINTENANCE FOR POWER ROOF VENTILATOR

Priority  
 Cost Center  
 Shift

Maintenance Code MAINT. TECH.  
 Work Type

Equipment No. Equipment Name Location  
 000-PROTEUS DATA BASE INPUT

Cycle Type Last Scheduled Date Active Date Next Scheduled Date  
 Annual 10/05/2011 10/10/2011

Runtime Cycle Runtime Advance Next PM Last PM  
 0.00 0.00 0.00 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINTRY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	FT01	BELT AND DRIVE INSPECTION		0.00
A	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
A	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
A	FT09	FAN WHEEL INSPECTION		0.00
A	FT11	HOUSING INSPECTION		0.00
A	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	FT05	BELT REPLACEMENT		0.00
A	SC15	OPERATIONAL CYCLE		0.00
A	SC17	VERIFY SHUTDOWN SEQUENCE		0.00
A	FT17	DAMPERS CHECK AND INSPECTION		0.00

Cycle Type Part No. Part Name Qty Allocated Stockroom

Cycle Type Employee No. Employee Name Labor Code Est. Hours Task No.

Cycle Type Tool Description

**WO Desc.**

2/24/2011 :  
 2/24/2011 :

# PM Master Work Order Form

Job No. MASTER-AHU-TASK SCHEDULE B

Procedure Description PREVENTIVE MAINTENANCE FOR RETURN FANS

Priority	Maintenance Code	MAINT. TECH.
Cost Center	Work Type	
Shift		

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Semi-Annual		08/27/2011	09/01/2011

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
S	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	FT17	DAMPERS CHECK AND INSPECTION		0.00
S	SC15	OPERATIONAL CYCLE		0.00
S	SC17	VERIFY SHUTDOWN SEQUENCE		0.00
S	FT13	FILTER MAINTENANCE		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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WO Desc.

5/9/2011 :

12/21/2011 :

# PM Master Work Order Form

Job No. MASTER-ACU-TASK SCHEDULE BB

Procedure Description PREVENTIVE MAINTENANCE FOR AIR CONDITIONING UNIT

Priority	Maintenance Code	MAINT. TECH.
Cost Center	Work Type	
Shift		

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Semi-Annual		08/27/2011	09/01/2011
Annual			

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINetry		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	FT13	FILTER MAINTENANCE		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
S	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
S	RT07	SAFETY AND OPERATING CHECK		0.00
S	RT13	CHECK FOR VISIBLE LEAKS		0.00
S	RT23	EVAPORATOR INSPECTION		0.00
S	RT26	CLEAN CONDENSATE PANS		0.00
S	RT24	CLEAN DRAIN LINES		0.00
S	RT25	INSPECT CONDENSATE PANS		0.00
S	RT19	INSPECT PIPING FOR WEAR AND POTENTIAL LEAKS		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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WO Desc.

# PM Master Work Order Form

**Job No.** MASTER-DUCTLESS SPLT-TASK BF

**Procedure Description** PREVENTIVE MAINTENANCE FOR DUCTLESS SPLIT SYSTEM

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b>
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Semi-Annual	<b>Last Scheduled Date</b>	<b>Active Date</b> 04/13/2011	<b>Next Scheduled Date</b> 04/18/2011
Annual		10/12/2011	10/17/2011

<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
All	GU01	CABINetry		0.00
All	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
All	GU05	GENERAL APPEARANCE		0.00
All	GU07	UNIT INTEGRITY		0.00
All	GU09	AREA CONDITIONS		0.00
All	ET01	POWER CONNECTIONS		0.00
All	ET05	WIRING INTEGRITY CHECK		0.00
All	ET07	TIGHTEN ALL CONNECTIONS		0.00
All	ET09	VERIFY INCOMING VOLTAGE		0.00
All	FT09	FAN WHEEL INSPECTION		0.00
All	FT11	HOUSING INSPECTION		0.00
All	FT13	FILTER MAINTENANCE		0.00
All	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
All	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
All	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
All	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
All	RT05	CHECK REFRIGERANT LEVELS		0.00
All	RT07	SAFETY AND OPERATING CHECK		0.00
All	RT09	CAPACITY CONTROL CHECKS		0.00
All	RT11	MOISTURE CHECKS		0.00
All	RT13	CHECK FOR VISIBLE LEAKS		0.00
All	RT15	METERING DEVICE CHECKS		0.00
A	RT17	VERIFY CRANKCASE HEATER OPERATION		0.00
All	RT19	INSPECT PIPING FOR WEAR AND POTENTIAL LEAKS		0.00
All	RT21	RECORD TEMPERATURES AND PRESSURES		0.00
All	RT23	EVAPORATOR INSPECTION		0.00
All	RT24	CLEAN DRAIN LINES		0.00
All	RT25	INSPECT CONDENSATE PANS		0.00
All	RT26	CLEAN CONDENSATE PANS		0.00
All	RT27	BIOCIDES TABLETS IN PANS		0.00
All	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00

<b>Cycle Type</b>	<b>Part No.</b>	<b>Part Name</b>	<b>Qty Allocated</b>	<b>Stockroom</b>
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# PM Master Work Order Form

Job No. MASTER-DUCTLESS SPLT-TASK BF

Procedure Description PREVENTIVE MAINTENANCE FOR DUCTLESS SPLIT SYSTEM

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Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

2/24/2011 :

2/24/2011 :

# PM Master Work Order Form

Job No. MASTER-DFMAU-TASK SCHED BH

Procedure Description PREVENTIVE MAINTENANCE FOR DIRECT FIRED MAKE UP AIR UNIT

Priority  
 Cost Center  
 Shift

Maintenance Code MAINT. TECH.  
 Work Type

Equipment No. Equipment Name Location  
 000-PROTEUS DATA BASE INPUT

Cycle Type Last Scheduled Date Active Date Next Scheduled Date  
 Semi-Annual 05/04/2011 05/09/2011  
 Annual 11/02/2011 11/07/2011

Runtime Cycle Runtime Advance Next PM Last PM  
 0.00 0.00 0.00 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
All	GU01	CABINetry		0.00
All	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
All	GU05	GENERAL APPEARANCE		0.00
All	GU07	UNIT INTEGRITY		0.00
All	GU09	AREA CONDITIONS		0.00
All	FT01	BELT AND DRIVE INSPECTION		0.00
All	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
All	FT05	BELT REPLACEMENT		0.00
All	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
All	FT09	FAN WHEEL INSPECTION		0.00
All	FT11	HOUSING INSPECTION		0.00
All	FT13	FILTER MAINTENANCE		0.00
All	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
All	ET01	POWER CONNECTIONS		0.00
All	ET03	DISCONNECT CONDITION		0.00
All	ET05	WIRING INTEGRITY CHECK		0.00
All	ET07	TIGHTEN ALL CONNECTIONS		0.00
All	ET09	VERIFY INCOMING VOLTAGE		0.00
All	ET11	RECORD ALL MOTOR DATA		0.00
All	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
All	ET15	SAFETY CIRCUIT CHECK		0.00
A	HT01	HEAT EXCHANGER CHECK		0.00
A	HT03	SAFETY CONTROLS CHECK		0.00
A	HT05	BURNER AND PILOT INSPECTION		0.00
A	HT11	DISCHARGE AIR CONTROL CHECK AND CALIBRATE		0.00
A	HT13	FLAME GUARD INSPECTION		0.00
A	HT15	GAS PRESSURE AND REGULATOR CHECK		0.00
A	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
A	SC07	MEASURE AND RECORD TEMPERATURE RISE		0.00
A	SC21	OPERATIONAL SEQUENCE CHECK		0.00

Cycle Type Part No. Part Name Qty Allocated Stockroom

# PM Master Work Order Form

**Job No.** MASTER-DFMAU-TASK SCHED BH

**Procedure Description** PREVENTIVE MAINTENANCE FOR DIRECT FIRED MAKE UP AIR UNIT

**Equipment No.**  
000-PROTEUS

**Equipment Name**  
DATA BASE INPUT

**Location**

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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

2/24/2011 :  
4/8/2011 :  
4/8/2011 :

# PM Master Work Order Form

Job No. MASTER-CORAYVAC-TASK SCHED BI

Procedure Description PREVENTIVE MAINTENANCE FOR CO-RAY-VAC TUBE HEATER

Priority  
 Cost Center  
 Shift

Maintenance Code MAINT. TECH.  
 Work Type

Equipment No. 000-PROTEUS  
 Equipment Name DATA BASE INPUT  
 Location

Cycle Type Annual  
 Last Scheduled Date  
 Active Date 08/27/2011  
 Next Scheduled Date 09/01/2011

Runtime Cycle 0.00  
 Runtime Advance 0.00  
 Next PM 0.00  
 Last PM 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINERY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
A	FT09	FAN WHEEL INSPECTION		0.00
A	FT11	HOUSING INSPECTION		0.00
A	FT13	FILTER MAINTENANCE		0.00
A	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	ET15	SAFETY CIRCUIT CHECK		0.00
A	HT03	SAFETY CONTROLS CHECK		0.00
A	HT05	BURNER AND PILOT INSPECTION		0.00
A	HT07	COMBUSTION FAN INSPECTION		0.00
A	HT11	DISCHARGE AIR CONTROL CHECK AND CALIBRATE		0.00
A	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
A	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
A	SC21	OPERATIONAL SEQUENCE CHECK		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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WO Desc.

USERPMM.RPT

# PM Master Work Order Form

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**Job No.** MASTER-CORAYVAC-TASK SCHED BI

**Procedure Description** PREVENTIVE MAINTENANCE FOR CO-RAY-VAC TUBE HEATER

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**Equipment No.**  
000-PROTEUS

**Equipment Name**  
DATA BASE INPUT

**Location**

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# PM Master Work Order Form

**Job No.** MASTER-PTAC-TASK SCHEDULE BJ

**Procedure Description** PREVENTIVE MAINTENANCE FOR RETURN FANS

**Priority**  
**Cost Center**  
**Shift**

**Maintenance Code** MAINT. TECH.  
**Work Type**

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Semi-Annual	<b>Last Scheduled Date</b>	<b>Active Date</b>	<b>Next Scheduled Date</b>
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT25	REMOVE FAN AND INSPECT		0.00
S	FT27	CLEAN FAN WHEELS WITH BRUSH		0.00
S	FT29	REPLACE FILTER		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	SC37	CHECK HEATING OPERATION		0.00
S	SC39	CHECK COOLING OPERATION		0.00
S	ET01	POWER CONNECTIONS		0.00
S	CT01	INSPECTION OF COILS FOR CLEANLINESS		0.00
S	CT25	CHECK AND CLEAR DRAIN LINES		0.00
S	CT27	CLEAN DRAIN PANS		0.00
S	CT29	BIOCIDES IN DRAIN PAN		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

5/9/2011 :

# PM Master Work Order Form

Job No. MASTER-ACU-TASK SCHEDULE F

Procedure Description PREVENTIVE MAINTENANCE FOR AIR CONDITIONING UNIT

Priority  
 Cost Center  
 Shift

Maintenance Code MAINT. TECH.  
 Work Type

Equipment No. 000-PROTEUS  
 Equipment Name DATA BASE INPUT  
 Location

Cycle Type Annual  
 Last Scheduled Date  
 Active Date 03/30/2011  
 Next Scheduled Date 04/04/2011

Runtime Cycle 0.00  
 Runtime Advance 0.00  
 Next PM 0.00  
 Last PM 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINERY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
A	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
A	FT09	FAN WHEEL INSPECTION		0.00
A	FT11	HOUSING INSPECTION		0.00
A	FT13	FILTER MAINTENANCE		0.00
A	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
A	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
A	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
A	RT05	CHECK REFRIGERANT LEVELS		0.00
A	RT07	SAFETY AND OPERATING CHECK		0.00
A	RT09	CAPACITY CONTROL CHECKS		0.00
A	RT11	MOISTURE CHECKS		0.00
A	RT13	CHECK FOR VISIBLE LEAKS		0.00
A	RT15	METERING DEVICE CHECKS		0.00
A	RT17	VERIFY CRANKCASE HEATER OPERATION		0.00
A	RT19	INSPECT PIPING FOR WEAR AND POTENTIAL LEAKS		0.00
A	RT21	RECORD TEMPERATURES AND PRESSURES		0.00
A	RT23	EVAPORATOR INSPECTION		0.00
A	RT24	CLEAN DRAIN LINES		0.00
A	RT25	INSPECT CONDENSATE PANS		0.00
A	RT26	CLEAN CONDENSATE PANS		0.00
A	RT27	BIOCIDES TABLETS IN PANS		0.00
A	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00

# PM Master Work Order Form

Job No. MASTER-ACU-TASK SCHEDULE F

Procedure Description PREVENTIVE MAINTENANCE FOR AIR CONDITIONING UNIT

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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WO Desc.

4/19/2011 :

# PM Master Work Order Form

**Job No.** MASTER-CONDENSING UNIT-TASK G

**Procedure Description** PREVENTIVE MAINTENANCE FOR CONDENSING UNIT

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b>
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Annual	<b>Last Scheduled Date</b>	<b>Active Date</b> 03/30/2011	<b>Next Scheduled Date</b> 04/04/2011
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINERY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
A	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
A	RT05	CHECK REFRIGERANT LEVELS		0.00
A	RT07	SAFETY AND OPERATING CHECK		0.00
A	RT09	CAPACITY CONTROL CHECKS		0.00
A	RT11	MOISTURE CHECKS		0.00
A	RT13	CHECK FOR VISIBLE LEAKS		0.00
A	RT15	METERING DEVICE CHECKS		0.00
A	RT19	INSPECT PIPING FOR WEAR AND POTENTIAL LEAKS		0.00
A	RT21	RECORD TEMPERATURES AND PRESSURES		0.00
A	RT41	CONDENSER FAN INSPECTION AND SEQUENCE		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

2/24/2011 :

# PM Master Work Order Form

1/19/2012

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Job No. MASTER-CONDENSING UNIT-TASK G

Procedure Description PREVENTIVE MAINTENANCE FOR CONDENSING UNIT

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Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

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2/24/2011 :

# PM Master Work Order Form

Job No. MASTER-EF-TASK SCHEDULE H

Procedure Description PREVENTIVE MAINTENANCE FOR EXHAUST FANS

Priority  
 Cost Center  
 Shift

Maintenance Code MAINT. TECH.  
 Work Type

Equipment No. 000-PROTEUS  
 Equipment Name DATA BASE INPUT  
 Location

Cycle Type Semi-Annual  
 Last Scheduled Date  
 Active Date  
 Next Scheduled Date

Runtime Cycle 0.00  
 Runtime Advance 0.00  
 Next PM 0.00  
 Last PM 0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
S	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	FT17	DAMPERS CHECK AND INSPECTION		0.00
S	SC15	OPERATIONAL CYCLE		0.00
S	SC17	VERIFY SHUTDOWN SEQUENCE		0.00

Cycle Type Part No. Part Name Qty Allocated Stockroom

Cycle Type Employee No. Employee Name Labor Code Est. Hours Task No.

Cycle Type Tool Description

WO Desc.

# PM Master Work Order Form

Job No. MASTER-UNIT HTR-TASK SCHED I

Procedure Description PREVENTIVE MAINTENANCE FOR UNIT HEATER

Priority	Maintenance Code	MAINT. TECH.
Cost Center	Work Type	
Shift		

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Annual		09/07/2011	09/12/2011

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
A	GU01	CABINTRY		0.00
A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
A	GU05	GENERAL APPEARANCE		0.00
A	GU07	UNIT INTEGRITY		0.00
A	GU09	AREA CONDITIONS		0.00
A	GU10	INSPECT GUARDS		0.00
A	GU12	CHECK ALIGNMENT		0.00
A	GU13	CONDENSATE DRAINS AND PAN		0.00
A	GU15	AIR LEAKS		0.00
A	GU17	INSPECT EXHAUST		0.00
A	FT01	BELT AND DRIVE INSPECTION		0.00
A	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
A	FT05	BELT REPLACEMENT		0.00
A	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
A	FT09	FAN WHEEL INSPECTION		0.00
A	FT11	HOUSING INSPECTION		0.00
A	FT13	FILTER MAINTENANCE		0.00
A	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
A	HT01	HEAT EXCHANGER CHECK		0.00
A	HT03	SAFETY CONTROLS CHECK		0.00
A	HT05	BURNER AND PILOT INSPECTION		0.00
A	HT07	COMBUSTION FAN INSPECTION		0.00
A	HT09	FLUE AND DIVERTER INSPECTION		0.00
A	HT15	GAS PRESSURE AND REGULATOR CHECK		0.00
A	ET01	POWER CONNECTIONS		0.00
A	ET03	DISCONNECT CONDITION		0.00
A	ET05	WIRING INTEGRITY CHECK		0.00
A	ET07	TIGHTEN ALL CONNECTIONS		0.00
A	ET09	VERIFY INCOMING VOLTAGE		0.00
A	ET11	RECORD ALL MOTOR DATA		0.00
A	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
A	ET15	SAFETY CIRCUIT CHECK		0.00
A	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
A	SC07	MEASURE AND RECORD TEMPERATURE RISE		0.00
A	SC21	OPERATIONAL SEQUENCE CHECK		0.00

# PM Master Work Order Form

Job No. MASTER-UNIT HTR-TASK SCHED I

Procedure Description PREVENTIVE MAINTENANCE FOR UNIT HEATER

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

2/24/2011 ;  
3/23/2011 ;  
3/31/2011 ;  
4/21/2011 ;

# PM Master Work Order Form

**Job No.** MASTER-SPLIT COOL-TASK SCHED J

**Procedure Description** PREVENTIVE MAINTENANCE FOR SPLIT SYSTEM COOLER

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b>
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Semi-Annual	<b>Last Scheduled Date</b>	<b>Active Date</b>	<b>Next Scheduled Date</b>
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINETY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT13	FILTER MAINTENANCE		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
S	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
S	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
S	RT05	CHECK REFRIGERANT LEVELS		0.00
S	RT07	SAFETY AND OPERATING CHECK		0.00
S	RT09	CAPACITY CONTROL CHECKS		0.00
S	RT11	MOISTURE CHECKS		0.00
S	RT13	CHECK FOR VISIBLE LEAKS		0.00
S	RT15	METERING DEVICE CHECKS		0.00
S	RT17	VERIFY CRANKCASE HEATER OPERATION		0.00
S	RT19	INSPECT PIPING FOR WEAR AND POTENTIAL LEAKS		0.00
S	RT21	RECORD TEMPERATURES AND PRESSURES		0.00
S	RT23	EVAPORATOR INSPECTION		0.00
S	RT24	CLEAN DRAIN LINES		0.00
S	RT25	INSPECT CONDENSATE PANS		0.00
S	RT26	CLEAN CONDENSATE PANS		0.00
S	RT27	BIOCIDES TABLETS IN PANS		0.00
S	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00

# PM Master Work Order Form

1/19/2012

Job No. MASTER-SPLIT COOL-TASK SCHED J

Procedure Description PREVENTIVE MAINTENANCE FOR SPLIT SYSTEM COOLER

Equipment No.	Equipment Name	Location	
000-PROTEUS	DATA BASE INPUT		
S	SC05	ECONOMIZER CYCLE	0.00
S	EC01	CLEAN FILTERS	0.00
S	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES	0.00
S	EC05	SEQUENCE TEST	0.00
S	EC07	CALIBRATE AND VERIFY CONTROL POINTS	0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom	
Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.

Cycle Type Tool Description

WO Desc.

# PM Master Work Order Form

Job No. MASTER-AHU-TASK SCHEDULE K

Procedure Description PREVENTIVE MAINTENANCE FOR AIR HANDLING UNIT

Priority	Maintenance Code	MAINT. TECH.
Cost Center	Work Type	
Shift		

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Semi-Annual		03/30/2011	04/04/2011

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
S	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT13	FILTER MAINTENANCE		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	FT19	INLET GUIDE VANES INSPECTION		0.00
S	FT21	FACE AND BYPASS INSPECTION		0.00
S	CT01	INSPECTION OF COILS FOR CLEANLINESS		0.00
S	CT03	VISUAL INSPECTION FOR LEAKS		0.00
S	CT05	VALVE CHECK - CONTROL, BLOCKING, EXPANSION		0.00
S	CT07	CHECK STRAINERS AND CLEAN AS NECESSARY		0.00
S	CT13	CONDENSATE DRAINS AND PAN MAINTENANCE		0.00
S	CT15	FLUSH AND FILL / WINTERIZE COILS (AS REQUIRED)		0.00
S	EC03	DAMPER AND LINKAGE INSPECTION		0.00
S	EC05	SEQUENCE TEST		0.00
S	EC07	CALIBRATE AND VERIFY CONTROL POINTS		0.00
S	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
S	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00
S	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
S	SC21	OPERATIONAL SEQUENCE CHECK		0.00

# PM Master Work Order Form

Job No. MASTER-AHU-TASK SCHEDULE K

Procedure Description PREVENTIVE MAINTENANCE FOR AIR HANDLING UNIT

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom

Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.

Cycle Type	Tool Description

**WO Desc.**

2/21/2011 :

2/21/2011 :

# PM Master Work Order Form

**Job No.** MASTER-MAU-TASK SCHEDULE L

**Procedure Description** PREVENTIVE MAINTENANCE FOR GAS-FIRED MAKE-UP AIR UNIT

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b>
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Semi-Annual Annual	<b>Last Scheduled Date</b>	<b>Active Date</b> 02/21/2011 02/21/2011	<b>Next Scheduled Date</b> 04/04/2011 09/05/2011
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
All	GU01	CABINENTRY		0.00
All	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
All	GU05	GENERAL APPEARANCE		0.00
All	GU07	UNIT INTEGRITY		0.00
All	GU09	AREA CONDITIONS		0.00
All	FT01	BELT AND DRIVE INSPECTION		0.00
All	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
All	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
All	FT09	FAN WHEEL INSPECTION		0.00
All	FT11	HOUSING INSPECTION		0.00
All	FT13	FILTER MAINTENANCE		0.00
All	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
All	ET01	POWER CONNECTIONS		0.00
All	ET03	DISCONNECT CONDITION		0.00
All	ET05	WIRING INTEGRITY CHECK		0.00
All	ET07	TIGHTEN ALL CONNECTIONS		0.00
All	ET11	RECORD ALL MOTOR DATA		0.00
All	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
All	ET15	SAFETY CIRCUIT CHECK		0.00
A	FT05	BELT REPLACEMENT		0.00
A	HT01	HEAT EXCHANGER CHECK		0.00
A	HT03	SAFETY CONTROLS CHECK		0.00
A	HT05	BURNER AND PILOT INSPECTION		0.00
A	HT07	COMBUSTION FAN INSPECTION		0.00
A	HT09	FLUE AND DIVERTER INSPECTION		0.00
A	HT11	DISCHARGE AIR CONTROL CHECK AND CALIBRATE		0.00
A	HT13	FLAME GUARD INSPECTION		0.00
A	HT15	GAS PRESSURE AND REGULATOR CHECK		0.00
A	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
A	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00
A	SC05	ECONOMIZER CYCLE		0.00
A	SC07	MEASURE AND RECORD TEMPERATURE RISE		0.00

<b>Cycle Type</b>	<b>Part No.</b>	<b>Part Name</b>	<b>Qty Allocated</b>	<b>Stockroom</b>
USERPMM.RPT				

# PM Master Work Order Form

**Job No.** MASTER-MAU-TASK SCHEDULE L

**Procedure Description** PREVENTIVE MAINTENANCE FOR GAS-FIRED MAKE-UP AIR UNIT

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.

Cycle Type	Tool Description

**WO Desc.**

2/21/2011 :

2/21/2011 :

4/21/2011 :

# PM Master Work Order Form

**Job No.** MASTER-HRU-TASK SCHEDULE M

**Procedure Description** PREVENTIVE MAINTENANCE FOR HEAT RECOVERY UNITS

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b> CHC
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Semi-Annual	<b>Last Scheduled Date</b>	<b>Active Date</b> 08/27/2011	<b>Next Scheduled Date</b> 09/01/2011
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINERY		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU13	CONDENSATE DRAINS AND PAN		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
S	SC21	OPERATIONAL SEQUENCE CHECK		0.00
S	GU07	UNIT INTEGRITY		0.00
All	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
S	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT13	FILTER MAINTENANCE		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	OT01	FILTER MAINTENANCE		0.00
S	OT03	DAMPER AND LINKAGE INSPECTION		0.00
S	OT05	SEQUENCE TEST		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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**Cycle Type** **Tool Description**

# PM Master Work Order Form

Job No. MASTER-HRU-TASK SCHEDULE M

Procedure Description PREVENTIVE MAINTENANCE FOR HEAT RECOVERY UNITS

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

WO Desc.

# PM Master Work Order Form

Job No. MASTER-SPLIT SYS-TASK SCHED O

Procedure Description PREVENTIVE MAINTENANCE FOR HEAT AND COOL SPLIT SYSTEM

Priority  
Cost Center  
Shift

Maintenance Code MAINT. TECH.  
Work Type

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Semi-Annual		04/13/2011	04/18/2011
Annual		10/12/2011	10/17/2011

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
All	GU01	CABINERY		0.00
All	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
All	GU05	GENERAL APPEARANCE		0.00
All	GU07	UNIT INTEGRITY		0.00
All	GU09	AREA CONDITIONS		0.00
All	ET01	POWER CONNECTIONS		0.00
All	ET05	WIRING INTEGRITY CHECK		0.00
All	ET07	TIGHTEN ALL CONNECTIONS		0.00
All	ET09	VERIFY INCOMING VOLTAGE		0.00
All	FT09	FAN WHEEL INSPECTION		0.00
All	FT11	HOUSING INSPECTION		0.00
All	FT13	FILTER MAINTENANCE		0.00
All	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
All	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
All	RT01	CONDENSER COIL INSPECTION VISUAL		0.00
All	RT03	PRESSURE CLEAN CONDENSER COIL		0.00
All	RT05	CHECK REFRIGERANT LEVELS		0.00
All	RT07	SAFETY AND OPERATING CHECK		0.00
All	RT09	CAPACITY CONTROL CHECKS		0.00
All	RT11	MOISTURE CHECKS		0.00
All	RT13	CHECK FOR VISIBLE LEAKS		0.00
All	RT15	METERING DEVICE CHECKS		0.00
A	RT17	VERIFY CRANKCASE HEATER OPERATION		0.00
All	RT19	INSPECT PIPING FOR WEAR AND POTENTIAL LEAKS		0.00
All	RT21	RECORD TEMPERATURES AND PRESSURES		0.00
All	RT23	EVAPORATOR INSPECTION		0.00
All	RT24	CLEAN DRAIN LINES		0.00
All	RT25	INSPECT CONDENSATE PANS		0.00
All	RT26	CLEAN CONDENSATE PANS		0.00
All	RT27	BIOCIDES TABLETS IN PANS		0.00
All	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00
All	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
All	FT01	BELT AND DRIVE INSPECTION		0.00
All	FT05	BELT REPLACEMENT		0.00

# PM Master Work Order Form

**Job No.** MASTER-SPLIT SYS-TASK SCHED O

**Procedure Description** PREVENTIVE MAINTENANCE FOR HEAT AND COOL SPLIT SYSTEM

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

  

All	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS	0.00
All	ET03	DISCONNECT CONDITION	0.00
All	ET11	RECORD ALL MOTOR DATA	0.00
All	EC01	CLEAN FILTERS	0.00
All	EC03	DAMPER AND LINKAGE INSPECTION	0.00
All	EC05	SEQUENCE TEST	0.00
All	EC07	CALIBRATE AND VERIFY CONTROL POINTS	0.00
A	HT01	HEAT EXCHANGER CHECK	0.00
A	HT03	SAFETY CONTROLS CHECK	0.00
A	HT05	BURNER AND PILOT INSPECTION	0.00
A	HT07	COMBUSTION FAN INSPECTION	0.00
A	HT09	FLUE AND DIVERTER INSPECTION	0.00
A	HT15	GAS PRESSURE AND REGULATOR CHECK	0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

2/24/2011 :  
 2/24/2011 :  
 2/24/2011 :

# PM Master Work Order Form

**Job No.** MASTER-UNV-SCHEDULE P

**Procedure Description** PREVENTIVE MAINTENANCE FOR UNIT VENTILATORS

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b>
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Semi-Annual	<b>Last Scheduled Date</b>	<b>Active Date</b> 08/27/2011	<b>Next Scheduled Date</b> 09/01/2011
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	CT01	INSPECTION OF COILS FOR CLEANLINESS		0.00
S	CT03	VISUAL INSPECTION FOR LEAKS		0.00
S	CT05	VALVE CHECK - CONTROL, BLOCKING, EXPANSION		0.00
S	CT07	CHECK STRAINERS AND CLEAN AS NECESSARY		0.00
S	CT13	CONDENSATE DRAINS AND PAN MAINTENANCE		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
S	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT13	FILTER MAINTENANCE		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	FT19	INLET GUIDE VANES INSPECTION		0.00
S	FT21	FACE AND BYPASS INSPECTION		0.00
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
S	SC21	OPERATIONAL SEQUENCE CHECK		0.00
S	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
S	GU13	CONDENSATE DRAINS AND PAN		0.00
S	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
S	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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# PM Master Work Order Form

**Job No.** MASTER-UNV-SCHEDULE P

**Procedure Description** PREVENTIVE MAINTENANCE FOR UNIT VENTILATORS

**Equipment No.**  
000-PROTEUS

**Equipment Name**  
DATA BASE INPUT

**Location**

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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

# PM Master Work Order Form

Job No. MASTER-CLNGTWR-TASK SCHEDULE Q

Procedure Description PREVENTIVE MAINTENANCE FOR COOLING TOWERS

Priority	Maintenance Code	MAINT. TECH.
Cost Center	Work Type	
Shift		

Equipment No. 000-PROTEUS	Equipment Name DATA BASE INPUT	Location
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Cycle Type Semi-Annual	Last Scheduled Date	Active Date 08/27/2011	Next Scheduled Date 09/01/2011
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Runtime Cycle 0.00	Runtime Advance 0.00	Next PM 0.00	Last PM 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	SC25	CHECK OPERATION OF TOWER CONTROLS		0.00
S	SC23	CHECK TOWER PUMPS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	TT01	DRIVE INSPECTION		0.00
S	TT03	BEARING, SHAFT AND MOUNT INSPECTION		0.00
S	TT05	BELT REPLACEMENT AS REQUIRED		0.00
S	TT07	ADJUST AND ALIGN DRIVE PARTS		0.00
S	TT09	HOUSING INSPECTION		0.00
S	TT11	LUBRICATION OF GEAR BOX AND APPLICABLE PARTS		0.00
S	TM01	INSPECT MEDIA		0.00
S	TM03	EXAMINE FILL		0.00
S	TM05	CLEAN MEDIA AND FILL		0.00
S	TM07	CHECK WATER MAKE UP AND ADJUST		0.00
S	TM09	CHECK DRAIN PAN		0.00
S	TM11	CHECK NOZZLES AND PANS		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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# PM Master Work Order Form

**Job No.** MASTER-CLNGTWR-TASK SCHEDULE Q

**Procedure Description** PREVENTIVE MAINTENANCE FOR COOLING TOWERS

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Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

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**WO Desc.**

# PM Master Work Order Form

**Job No.** MASTER-UH-TASK SCHEDULE S

**Procedure Description** PREVENTIVE MAINTENANCE FOR HOT WATER OR STEAM UNIT HEATER

<b>Priority</b>	<b>Maintenance Code</b> MAINT. TECH.
<b>Cost Center</b>	<b>Work Type</b>
<b>Shift</b>	

<b>Equipment No.</b> 000-PROTEUS	<b>Equipment Name</b> DATA BASE INPUT	<b>Location</b>
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<b>Cycle Type</b> Annual	<b>Last Scheduled Date</b>	<b>Active Date</b> 09/21/2011	<b>Next Scheduled Date</b> 09/26/2011
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<b>Runtime Cycle</b> 0.00	<b>Runtime Advance</b> 0.00	<b>Next PM</b> 0.00	<b>Last PM</b> 0.00
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Cycle Type	Task No.	Description	Labor Code	Est. Hours
S,A	GU01	CABINETRY		0.00
S,A	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S,A	GU05	GENERAL APPEARANCE		0.00
S,A	GU07	UNIT INTEGRITY		0.00
S,A	GU09	AREA CONDITIONS		0.00
S,A	CT01	INSPECTION OF COILS FOR CLEANLINESS		0.00
S,A	CT03	VISUAL INSPECTION FOR LEAKS		0.00
S,A	CT05	VALVE CHECK - CONTROL, BLOCKING, EXPANSION		0.00
S,A	CT07	CHECK STRAINERS AND CLEAN AS NECESSARY		0.00
S,A	CT13	CONDENSATE DRAINS AND PAN MAINTENANCE		0.00
S,A	CT23	CHECK STEAM TRAPS (WHERE APPLICABLE)		0.00
S,A	ET01	POWER CONNECTIONS		0.00
S,A	ET03	DISCONNECT CONDITION		0.00
S,A	ET05	WIRING INTEGRITY CHECK		0.00
S,A	ET07	TIGHTEN ALL CONNECTIONS		0.00
S,A	ET09	VERIFY INCOMING VOLTAGE		0.00
S,A	ET11	RECORD ALL MOTOR DATA		0.00
S,A	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
S,A	ET15	SAFETY CIRCUIT CHECK		0.00
S,A	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
S,A	SC07	MEASURE AND RECORD TEMPERATURE RISE		0.00
S,A	SC21	OPERATIONAL SEQUENCE CHECK		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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**WO Desc.**

# PM Master Work Order Form

Job No. MASTER- ENERGY REC-TASK SCH T

Procedure Description PREVENTIVE MAINTENANCE FOR ENERGY RECOVERY UNIT

Priority	Maintenance Code	MAINT. TECH.
Cost Center	Work Type	
Shift		

Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

Cycle Type	Last Scheduled Date	Active Date	Next Scheduled Date
Semi-Annual		05/04/2011	05/09/2011
Annual		11/09/2011	11/14/2011

Runtime Cycle	Runtime Advance	Next PM	Last PM
0.00	0.00	0.00	0.00

Cycle Type	Task No.	Description	Labor Code	Est. Hours
S	GU01	CABINTRY		0.00
S	GU03	CHECK FOR UNUSUAL VIBRATIONS		0.00
S	GU05	GENERAL APPEARANCE		0.00
S	GU07	UNIT INTEGRITY		0.00
S	GU09	AREA CONDITIONS		0.00
S	ET01	POWER CONNECTIONS		0.00
S	ET03	DISCONNECT CONDITION		0.00
S	ET05	WIRING INTEGRITY CHECK		0.00
S	ET07	TIGHTEN ALL CONNECTIONS		0.00
S	ET09	VERIFY INCOMING VOLTAGE		0.00
S	ET11	RECORD ALL MOTOR DATA		0.00
S	ET13	OVERLOAD PROTECTION AND STARTER CHECK		0.00
S	FT01	BELT AND DRIVE INSPECTION		0.00
S	FT03	BEARING, SHAFT AND MOTOR INSPECTION		0.00
A	FT05	BELT REPLACEMENT		0.00
S	FT07	ADJUSTMENT AND ALIGNMENT OF DRIVE PARTS		0.00
S	FT09	FAN WHEEL INSPECTION		0.00
S	FT11	HOUSING INSPECTION		0.00
S	FT13	FILTER MAINTENANCE		0.00
S	FT15	LUBRICATION OF APPLICABLE PARTS		0.00
S	CT03	VISUAL INSPECTION FOR LEAKS		0.00
S	CT13	CONDENSATE DRAINS AND PAN MAINTENANCE		0.00
S	CT31	INSPECT TRANSFER MEDIA FOR CLEANLINESS		0.00
S	EC03	DAMPER AND LINKAGE INSPECTION		0.00
S	EC05	SEQUENCE TEST		0.00
S	EC07	CALIBRATE AND VERIFY CONTROL POINTS		0.00
A	SC01	HEATING CYCLE AND RECORD TEMPERATURES		0.00
S	SC03	COOLING CYCLE AND RECORD TEMPERATURES AND PRESSURES		0.00
S	SC19	SAFETY CIRCUIT CONTROL CHECK		0.00
S	SC21	OPERATIONAL SEQUENCE CHECK		0.00

Cycle Type	Part No.	Part Name	Qty Allocated	Stockroom
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# PM Master Work Order Form

Job No. MASTER- ENERGY REC-TASK SCH T

Procedure Description PREVENTIVE MAINTENANCE FOR ENERGY RECOVERY UNIT.

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Equipment No.	Equipment Name	Location
000-PROTEUS	DATA BASE INPUT	

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Cycle Type	Employee No.	Employee Name	Labor Code	Est. Hours	Task No.
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Cycle Type	Tool Description
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WO Desc.

2/24/2011 :

1/19/2012 :

