The reporting booklet is required for the Census Data System (CDS) of the Management Information System for Occupational Education (MISOE); it contains the reporting forms which collect data that describe program structure and job-entry skill outcomes expected of program completors in the individual occupational education area of plumbing. Utilization of instructional area is also determined. This booklet contains the terminal performance objectives (TERMOBS) for this program area. They are actually the forms by which the skills of program completors are reported by department heads. CDS, one of two major subsystems of the integrated management information system, was developed to provide occupational education managers with comprehensive data on which to base rational management decisions. Essentially, CDS contains descriptive information systematically structured in a manner which allows it to be used as a basis for sampling evaluative research studies. CDS collects and stores census data for all school systems offering occupational education programs, including all data formerly collected by the Annual Federal Report for Occupational Information, except followup data. (Author/AJ)
Before filing said statement, the superintendent shall submit it to the chairman of the school committee, who shall countersign it on oath, if, after examination, he finds it correct. (General Laws Relating to Education 1970: Chapter 72, Sec. 2A, Item 4, and Sec. 3, Item 2)

I hereby certify that all the statements contained in this report are true to the best of my knowledge and belief, and that this is a true statement, made under the penalties of perjury.
Before filing said statement, the superintendent shall submit it to the chairman of the school committee, who shall countersign it on oath. If, after examination, he finds it correct.
(General Laws Relating to Education 1970: Chapter 72, Sec. 2A, Item 4, and Sec. 3, Item 2)

I hereby certify that all the statements contained in this report are true to the best of my knowledge and belief, and that this is a true statement, made under the penalties of perjury.

(Date) 
Superintendent of Schools

(Date) 
Chairman of School Committee
TABLE OF CONTENTS

Table 2.1  Enrollment in Final Grade by Student Group and Terminal Objectives (TERMObS)  2
Table 2.11 Enrollment in Lower Grades by Student Group  6
Table 2.2  Utilization of Student Class Time: Final Grade  10
Table 2.21 Utilization of Student Class Time: Lower Grades  12
Table 2.3  Utilization of Departmental Instructional Area By Rooms  14

REPORTING TERMINAL PERFORMANCE OBJECTIVES (TERMObS)
Table T-1 Instructional Division and Unit Outline  T-2
Table T-1A Additional Instructional Divisions and Units  T-4
Table T-2 TERMOb Division and Unit Outline  T-6
Table T-2A Additional TERMOb Divisions and Units  T-7

TERMObS
Table T-3 List of Basic Supplies  T-192
Table T-4 Additional TERMOb Performance Statements  T-198
Index of TERMOb Statements  T-200

4
### Table 2.1 Enrollment in Final Grade by Student Group & Terminal Objectives (TERM0B)

<table>
<thead>
<tr>
<th></th>
<th>1</th>
<th>2</th>
<th>3</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Grade</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Student Group Name and Number</td>
<td>101</td>
<td></td>
<td>102</td>
</tr>
<tr>
<td>3. USOE Code(s)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Level Code</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. Type Code</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Session Code</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Program Length (Years)</td>
<td>1, 2, 3, 4</td>
<td></td>
<td>1, 2, 3, 4</td>
</tr>
<tr>
<td>8. Cooperative</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>9. Workstudy</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>10. Exploratory</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>11. Instructors and Teacher's Aides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A. Full Time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Percentage of Time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12. Enrollment</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
</tbody>
</table>

#### TERM0B Applicability

<p>| | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13. TERM0B Numbers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Level Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>------------</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Type Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Session Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Program Length (Years)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Cooperative</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Workstudy</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Exploratory</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Instructors and Teacher's Aides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. Full Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. Percentage of Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Enrollment</td>
<td></td>
<td>Male</td>
<td>Female</td>
<td></td>
<td>Male</td>
</tr>
<tr>
<td>13</td>
<td>TERMOB Applicability</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>TERMOB Numbers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2.1 (Cont'd) Enrollment in Final Grade by Student Group

<table>
<thead>
<tr>
<th></th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>103</td>
<td>104</td>
<td>105</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>8</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>9</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>10</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
</tbody>
</table>

TERMOB Applicability

<table>
<thead>
<tr>
<th>13</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>12.</th>
<th>Male</th>
<th>Female</th>
<th>Male</th>
<th>Female</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
</table>

TERMOP Applicability
Table 2.1 Enrollment in Final Grade by Student Group & Terminal Objective (TERMOB)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>7</th>
<th>8</th>
<th>9</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Grade</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Student Group Name and Number</td>
<td>106</td>
<td>107</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>USOE Code(s)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Level Code</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Type Code</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Session Code</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Program Length (Years)</td>
<td>1 1 2 3 4</td>
<td>1 1 2 3 4</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Cooperative</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>9</td>
<td>Workstudy</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>10</td>
<td>Exploratory</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>11</td>
<td>Instructors and Teacher's Aides</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. Full Time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. Percentage of Time</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Enrollment</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
</tbody>
</table>

TERMOB Applicability

13. TERMOB Numbers
<table>
<thead>
<tr>
<th></th>
<th>Level Code</th>
<th>Type Code</th>
<th>Session Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Program Length (Years)</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>8</td>
<td>Cooperative</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>9</td>
<td>Workstudy</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>10</td>
<td>Exploratory</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>11</td>
<td>Instructors and Teacher's Aides</td>
<td>A. Full Time</td>
<td>B. Percentage of Time</td>
</tr>
<tr>
<td>12</td>
<td>Enrollment</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>13</td>
<td>TERMOB Numbers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2.1 (Cont'd) Enrollment in Final Grade by Student Group and Terminal Objectives (TERMOBS)

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>108</td>
<td>109</td>
<td>110</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>1 1 2 3 4</td>
<td>1 1 2 3 4</td>
<td>1 1 2 3 4</td>
</tr>
<tr>
<td>8</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>9</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>10</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
</tbody>
</table>

TERMOM applicability
<table>
<thead>
<tr>
<th></th>
<th>108</th>
<th>109</th>
<th>110</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>8.</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>9.</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>10.</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>11.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
<tr>
<td>201</td>
<td>202</td>
<td>203</td>
<td>204</td>
</tr>
<tr>
<td>-----</td>
<td>-----</td>
<td>-----</td>
<td>-----</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Yes  No  Yes  No  Yes  No  Yes  No  Yes  No  Yes  No  Yes  No

Male  Female  Male  Female  Male  Female  Male  Female  Male  Female  Male  Female
<table>
<thead>
<tr>
<th>Grade</th>
<th>Student Group Name and Number</th>
<th>USOE Code(s)</th>
<th>LEVEL Code</th>
<th>Signal Code</th>
<th>Program Length (Years)</th>
<th>Cooperative</th>
<th>Wrist Study</th>
<th>Etoricity</th>
</tr>
</thead>
<tbody>
<tr>
<td>201</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>202</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td>203</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>204</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Enrollment</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Female</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>A. Full Time</th>
<th>B. Percentage of Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>Female</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Instructors and Teacher's Aides</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Table 2.11 Enrollment in Lower Grades by Student Group.
Table 2.11 (Cont'd) Enrollment in Lower Grades by Student Group

<table>
<thead>
<tr>
<th>Student Group</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Female</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Male</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Female</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Male</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Female</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Grade</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>-------</td>
<td>--</td>
<td>--</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Student Group Name and Number</td>
<td>206</td>
<td>207</td>
<td>208</td>
<td>209</td>
</tr>
<tr>
<td>USOE Code(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Level Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Session Code</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Program Length (Years)</td>
<td>&lt;1</td>
<td>1</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Cooperative</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Workstudy</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Exploratory</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Instructors and Teacher's Aides</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>A. Full Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>B. Percentage of Time</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
</tr>
<tr>
<td>Enrollment</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Table 2.11 (Cont'd) Enrollment in Lower Grades by Student Group
Table 2.11 Enrollment in Lower Grades by Student Group (Cont'd)

<table>
<thead>
<tr>
<th>Years</th>
<th>1st Time</th>
<th>2nd Time</th>
<th>3rd Time</th>
<th>4th Time</th>
<th>5th Time</th>
<th>6th Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>211</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>212</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>213</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>214</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>215</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Gender</th>
<th>1st Time</th>
<th>2nd Time</th>
<th>3rd Time</th>
<th>4th Time</th>
<th>5th Time</th>
<th>6th Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Female</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Note: The table continues with similar data entries for 7th through 10th grades and includes gender information.
<table>
<thead>
<tr>
<th>Grade</th>
<th>Student Group Name and Number</th>
<th>USOE Code(s)</th>
<th>Level Code</th>
<th>Type Code</th>
<th>Program Length (Years)</th>
<th>Cooperative</th>
<th>Workstudy</th>
<th>Exploratory</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>2.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>3.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>4.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>5.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>8.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>9.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>10.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>1 2 3 4</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>11.</td>
<td>I. Full Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>A. Percentage of Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>B. Instructors and Teacher's Aides</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Years</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>1</td>
</tr>
<tr>
<td>-------</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
<td>Female</td>
<td>Male</td>
</tr>
<tr>
<td>Grade</td>
<td>Student Group Name and Number</td>
<td>USOE Code(s)</td>
<td>Level Code</td>
<td>Type Code</td>
<td>Session Code</td>
<td>Program Length (Years)</td>
<td>Cooperative</td>
<td>Workstudy</td>
<td>Exploratory</td>
</tr>
<tr>
<td>-------</td>
<td>-------------------------------</td>
<td>--------------</td>
<td>------------</td>
<td>-----------</td>
<td>-------------</td>
<td>------------------------</td>
<td>-------------</td>
<td>-----------</td>
<td>------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**Instructors and Teacher's Aides**

<table>
<thead>
<tr>
<th>Category</th>
<th>Male</th>
<th>Female</th>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Percentage of Time</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Enrollment**

<table>
<thead>
<tr>
<th>Male</th>
<th>Female</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>101</td>
<td>102</td>
</tr>
</tbody>
</table>

Table 2.2 Utilization of Student Class Time: Final Grade
Table 2.2 Utilization of Student Class Time: Final Grade

<table>
<thead>
<tr>
<th>1. Student Group Number</th>
<th>101</th>
<th>102</th>
<th>103</th>
<th>104</th>
<th>105</th>
<th>106</th>
<th>107</th>
<th>108</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Grade</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. USOE Code(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Occupational Shop/Lab Area(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Occupational Related Area(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Total Occupational Time (Lines 4 + 5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. In Nonoccupational Areas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total All Areas (Lines 6 + 7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9. Length of Grade Session (weeks)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Schedule Variation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional Notes Necessary to Explain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lines 4 through 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2.2 Utilization of Student Class Time (Cont'd): Final Grade

<p>| | | | | | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>14</td>
<td>15</td>
<td>16</td>
<td>17</td>
<td>18</td>
<td>19</td>
<td>20</td>
<td>21</td>
<td>22</td>
</tr>
<tr>
<td>111</td>
<td>112</td>
<td>113</td>
<td>114</td>
<td>115</td>
<td>116</td>
<td>117</td>
<td>118</td>
<td>119</td>
<td>120</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1. Student Group Number</td>
<td>111</td>
<td>112</td>
<td>113</td>
<td>114</td>
<td>115</td>
<td>116</td>
<td>117</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2. Grade</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. USOE Code(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Occupational Shop/Lab Area(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Occupational Related Area(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Occupational Time (Lines 4-5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. In Nonoccupational Areas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total All Areas (Lines 6 + 7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of Grade Session (weeks)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10. Schedule Variation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional Notes Necessary to Explain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11. Lines 4 through 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2.21 Utilization of Student Class Time: Lower Grade

<table>
<thead>
<tr>
<th></th>
<th>201</th>
<th>202</th>
<th>203</th>
<th>204</th>
<th>205</th>
<th>206</th>
<th>207</th>
<th>208</th>
<th>209</th>
<th>210</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1. Student Group Number</td>
<td>2. Grade</td>
<td>3. USOE Code(s)</td>
<td>4. Shop/Lab Area(s)</td>
<td>5. In Occupational Related Area(s)</td>
<td>6. Total Occupational Time (Lines 4 + 5)</td>
<td>7. In Nonoccupational Areas</td>
<td>8. Total All Areas (Lines 6 + 7)</td>
<td>9. Length of Grade Session (Weeks)</td>
<td>10. Schedule Variation</td>
</tr>
<tr>
<td>---</td>
<td>-------------------------</td>
<td>----------</td>
<td>-----------------</td>
<td>---------------------</td>
<td>-----------------------------------</td>
<td>----------------------------------------</td>
<td>----------------------------</td>
<td>-------------------------------</td>
<td>----------------------------------</td>
<td>-----------------------------</td>
</tr>
</tbody>
</table>
Table 2.21 (Cont'd) Utilization of Student Class Time: Lower Grade

<table>
<thead>
<tr>
<th></th>
<th>13</th>
<th>14</th>
<th>15</th>
<th>16</th>
<th>17</th>
<th>18</th>
<th>19</th>
<th>20</th>
<th>21</th>
<th>22</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>211</td>
<td>212</td>
<td>213</td>
<td>214</td>
<td>215</td>
<td>216</td>
<td>217</td>
<td>218</td>
<td>219</td>
<td>220</td>
</tr>
</tbody>
</table>

...
Table 2.21 (Cont'd) Utilization of Student Class Time: Lower Grade

<table>
<thead>
<tr>
<th>1. Student Group Number</th>
<th>211</th>
<th>212</th>
<th>213</th>
<th>214</th>
<th>215</th>
<th>216</th>
<th>217</th>
<th>218</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Grade</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3. USOE Code(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Occupational Shop/Lab Area(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>In Occupational Related Area(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4. Total Occupational Time (Lines 4 + 5)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5. In Nonoccupational Areas</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total All Areas (Lines 6 + 7)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6. Length of Grade Session (Weeks)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7. Schedule Variation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Additional Notes Necessary to Explain</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8. Lines 4 through 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2.3 Utilization of Departmental Instructional Area by Rooms

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable

2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

<table>
<thead>
<tr>
<th>Room No.</th>
<th>Day of the Week</th>
<th>Morning (7:00 a.m.-12:00N)</th>
<th>Afternoon (12:00N-6:00 p.m.)</th>
<th>Evening (6:00 p.m.-11:00 p.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1A</td>
<td>Mon.</td>
<td>No. of Hrs. Used</td>
<td>No. of Stud. Hrs.</td>
<td>No. of Hrs. Used</td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5A</td>
<td>Mon.</td>
<td>No. of Hrs. Used</td>
<td>No. of Stud. Hrs.</td>
<td>No. of Hrs. Used</td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room</td>
<td>Day</td>
<td>No. of the Week</td>
<td>Morning 7:00 a.m.-12:00N</td>
<td>Afternoon 12:00N-6:00 p.m.</td>
</tr>
<tr>
<td>------</td>
<td>-----</td>
<td>-----------------</td>
<td>---------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No. or of the Name</td>
<td>No. of Hrs. Used</td>
<td>No. of Stud. Hrs.</td>
</tr>
<tr>
<td>1A</td>
<td></td>
<td>Mon.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LS C</td>
<td>Sat.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTALS</td>
</tr>
<tr>
<td>2A</td>
<td></td>
<td>Mon.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LS C</td>
<td>Sat.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTALS</td>
</tr>
<tr>
<td>3A</td>
<td></td>
<td>Mon.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LS C</td>
<td>Sat.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTALS</td>
</tr>
<tr>
<td>4A</td>
<td></td>
<td>Mon.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LS C</td>
<td>Sat.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTALS</td>
</tr>
<tr>
<td>5A</td>
<td></td>
<td>Mon.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>LS C</td>
<td>Sat.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>TOTALS</td>
</tr>
</tbody>
</table>

**Totals:**

- Mon.
- Tues.
- Wed.
- Thurs.
- Fri.
- Sat.

**Week:**

- LS C

**No. of Hrs. Used:**

- Mon.: 30
- Tues.: 14
- Wed.: 0
- Thurs.: 0
- Fri.: 0

**No. of Stud. Hrs.:**

- Mon.: 30
- Tues.: 14
- Wed.: 0
- Thurs.: 0
- Fri.: 0

**No. of Hrs. Used:**

- Mon.: 30
- Tues.: 14
- Wed.: 0
- Thurs.: 0
- Fri.: 0

**No. of Stud. Hrs.:**

- Mon.: 30
- Tues.: 14
- Wed.: 0
- Thurs.: 0
- Fri.: 0
Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Rooms

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable
2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

<table>
<thead>
<tr>
<th>WEEKLY OR SCHEDULE B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room No. or Name</td>
</tr>
<tr>
<td>No. of the Week</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Room No. or Name</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Room No. or Name</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Room No. or Name</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Room No. or Name</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Room</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td>1 B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>2 B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>3 B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>4 B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>5 B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
Table 2.3 (Cont’d) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly  b. [ ] Alternating  c. [ ] Variable
2. a. [ ] Semester Schedule Change  b. [ ] No Semester Schedule Change

<table>
<thead>
<tr>
<th>WEEKLY OR SCHEDULE A</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>Room No. or Name</td>
</tr>
<tr>
<td>Day of the Week</td>
</tr>
<tr>
<td>Morning</td>
</tr>
<tr>
<td>7:00 a.m.-12:00 p.m.</td>
</tr>
<tr>
<td>No. of Hrs. Used</td>
</tr>
<tr>
<td>No. of Stud. Hrs.</td>
</tr>
<tr>
<td>Afternoon</td>
</tr>
<tr>
<td>12:00 p.m.-6:00 p.m.</td>
</tr>
<tr>
<td>No. of Hrs. Used</td>
</tr>
<tr>
<td>No. of Stud. Hrs.</td>
</tr>
<tr>
<td>Evening</td>
</tr>
<tr>
<td>6:00 p.m.-11:00 p.m.</td>
</tr>
<tr>
<td>No. of Hrs. Used</td>
</tr>
<tr>
<td>No. of Stud. Hrs.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mon.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mon.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mon.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mon.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mon.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Mon.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
<tr>
<td>Week</td>
</tr>
<tr>
<td>------</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

34

16
Table 2.3 (Cont’d) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable

2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

<table>
<thead>
<tr>
<th>WEEKLY OR SCHEDULE B</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room</td>
</tr>
<tr>
<td>No. or Name</td>
</tr>
<tr>
<td>6B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
<tr>
<td>7B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
<tr>
<td>8B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
<tr>
<td>9B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>LS C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
</tbody>
</table>
### WEEKLY OR SCHEDULE B

<table>
<thead>
<tr>
<th>Room</th>
<th>Day</th>
<th>Morning (7:00 a.m.-12:00N)</th>
<th>Afternoon (12:00N-6:00 p.m.)</th>
<th>Evening (6:00 p.m.-11:00 p.m.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. or Name of the Week</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Totals:** 36
Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly  
   b. [ ] Alternating  
   c. [ ] Variable

2. a. [ ] Semester Schedule Change  
   b. [ ] No Semester Schedule Change

### WEEKLY OR SCHEDULE A

<table>
<thead>
<tr>
<th>Room No. or Name</th>
<th>Day of the Week</th>
<th>Morning 7:00 a.m.-12:00N</th>
<th>Afternoon 12:00N-6:00 p.m.</th>
<th>Evening 6:00 p.m.-11:00 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24</td>
</tr>
<tr>
<td></td>
<td>Room No. or Name</td>
<td>Morning 7:00 a.m.-12:00N</td>
<td>Afternoon 12:00N-6:00 p.m.</td>
<td>Evening 6:00 p.m.-11:00 p.m.</td>
</tr>
<tr>
<td>I1A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I2A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I3A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I4A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>I5A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room</td>
<td>No. of the Week</td>
<td>Morning</td>
<td>No. of Hrs. Used</td>
<td>Afternoon</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>---------</td>
<td>------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>11A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable

2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

<table>
<thead>
<tr>
<th>WEEKLY OR SCHEDULE B</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>Room No. or Name</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Morning 7:00 a.m.-12:00N</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Mon.</td>
</tr>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>L3 C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>12B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Mon.</td>
</tr>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>L3 C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>13B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Mon.</td>
</tr>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>L3 C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>14B</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td>Mon.</td>
</tr>
<tr>
<td>Tues.</td>
</tr>
<tr>
<td>Wed.</td>
</tr>
<tr>
<td>Thurs.</td>
</tr>
<tr>
<td>Fri.</td>
</tr>
<tr>
<td>Sat.</td>
</tr>
<tr>
<td>L3 C</td>
</tr>
<tr>
<td>TOTALS</td>
</tr>
</tbody>
</table>

TOTALS: 12B 158 13B 158 14B 158
<table>
<thead>
<tr>
<th>Room No.</th>
<th>Day of the Week</th>
<th>Morning (7:00 a.m.-12:00)</th>
<th>No. of Hrs. Used</th>
<th>No. of Stud. Hrs.</th>
<th>Afternoon (12:00-6:00 p.m.)</th>
<th>No. of Hrs. Used</th>
<th>No. of Stud. Hrs.</th>
<th>Evening (6:00 p.m.-11:00 p.m.)</th>
<th>No. of Hrs. Used</th>
<th>No. of Stud. Hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>11B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Table 2.3. Utilization of Departmental Instructional Area By Room

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable

2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

<table>
<thead>
<tr>
<th></th>
<th>31</th>
<th></th>
<th>32</th>
<th>33</th>
<th>34</th>
<th>35</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room</td>
<td>No. or</td>
<td>Day</td>
<td>Morning</td>
<td>Afternoon</td>
<td>Evening</td>
<td></td>
</tr>
<tr>
<td>No. of the Week</td>
<td>Name</td>
<td>Week</td>
<td>7:00 a.m.-12:00</td>
<td>12:00-6:00 p.m.</td>
<td>6:00 P.M.-11:00 p.m.</td>
<td></td>
</tr>
<tr>
<td>16A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19A</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room</td>
<td>No. or Name</td>
<td>Day of the Week</td>
<td>Morning</td>
<td>Afternoon</td>
<td>Evening</td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>------------</td>
<td>-----------------</td>
<td>---------</td>
<td>-----------</td>
<td>---------</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>7:00 a.m.-12:00 p.m</td>
<td>12:00 p.m.-6:00 p.m</td>
<td>6:00 p.m.-11:00 p.m</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| 17A  | Mon.       |                 |          |             |          |             |
|      | Tues.      |                 |          |             |          |             |
|      | Wed.       |                 |          |             |          |             |
|      | Thurs.     |                 |          |             |          |             |
|      | Fri.       |                 |          |             |          |             |
|      | LS C       | Sat.            |          |             |          |             |
| TOTALS|            |                 |          |             |          |             |

| 18A  | Mon.       |                 |          |             |          |             |
|      | Tues.      |                 |          |             |          |             |
|      | Wed.       |                 |          |             |          |             |
|      | Thurs.     |                 |          |             |          |             |
|      | Fri.       |                 |          |             |          |             |
|      | LS C       | Sat.            |          |             |          |             |
| TOTALS|            |                 |          |             |          |             |

| 19A  | Mon.       |                 |          |             |          |             |
|      | Tues.      |                 |          |             |          |             |
|      | Wed.       |                 |          |             |          |             |
|      | Thurs.     |                 |          |             |          |             |
|      | Fri.       |                 |          |             |          |             |
|      | LS C       | Sat.            |          |             |          |             |
| TOTALS|            |                 |          |             |          |             |

| 20A  | Mon.       |                 |          |             |          |             |
|      | Tues.      |                 |          |             |          |             |
|      | Wed.       |                 |          |             |          |             |
|      | Thurs.     |                 |          |             |          |             |
|      | Fri.       |                 |          |             |          |             |
|      | LS C       | Sat.            |          |             |          |             |
| TOTALS|            |                 |          |             |          |             |
Table 2.3 (Cont'd) Utilization of Departmental Instructional Area by Room

Check Applicable Program Schedule

1. a. [ ] Weekly
   b. [ ] Alternating
   c. [ ] Variable

2. a. [ ] Semester Schedule Change
   b. [ ] No Semester Schedule Change

### WEEKLY OR SCHEDULE B

<table>
<thead>
<tr>
<th>Room No.</th>
<th>Day of the Week</th>
<th>Morning 7:00 a.m.-12:00N</th>
<th>Afternoon 12:00N-6:00 p.m.</th>
<th>Evening 6:00 p.m.-11:00 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>TOTALS</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Room No.</td>
<td>Day of the Week</td>
<td>Morning (7:00 a.m.-12:00N)</td>
<td>Afternoon (12:00N-6:00 p.m.)</td>
<td>Evening (6:00 p.m.-11:00 p.m.)</td>
</tr>
<tr>
<td>----------</td>
<td>----------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
<td>---------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>No. of Hrs. Used</td>
<td>No. of Stud. Hrs.</td>
<td>No. of Hrs. Used</td>
</tr>
<tr>
<td>16B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>18B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20B</td>
<td>Mon.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Tues.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Wed.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Thurs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Fri.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LS C</td>
<td>Sat.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TOTALS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
REPORTING TERMINAL PERFORMANCE OBJECTIVES (TERMOPS)
# TABLE T-1 - INSTRUCTIONAL DIVISION AND UNIT OUTLINE

**PLUMBING AND PIPEFITTING**

**DOES THIS OUTLINE CONTAIN ALL OF THE INSTRUCTIONAL CONTENT OF YOUR PROGRAM?**

**YES** [ ] **NO** [ ]

<table>
<thead>
<tr>
<th>CODE</th>
<th>DIVISION</th>
<th>CODE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>DRAINS</td>
<td>01</td>
<td>BUILDING SEWER</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>BUILDING DRAINS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>SEPTIC SYSTEM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>STORM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>SUPPORTS</td>
</tr>
<tr>
<td>02</td>
<td>STACKS</td>
<td>01</td>
<td>SOIL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>WASTE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>BRANCH INTERVALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>BATTERIES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>VENT</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>SUPPORTS</td>
</tr>
<tr>
<td>03</td>
<td>WASTES</td>
<td>01</td>
<td>ARMS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>BRANCHES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>SPECIAL</td>
</tr>
<tr>
<td>04</td>
<td>VENTS</td>
<td>01</td>
<td>CONTINUOUS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>WET</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>BOW</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>RELIEF</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>COMMON</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>BATTERY</td>
</tr>
<tr>
<td></td>
<td></td>
<td>07</td>
<td>SUPPORTS</td>
</tr>
<tr>
<td>05</td>
<td>WATER SUPPLY</td>
<td>01</td>
<td>SERVICE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>METERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>MAINS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>RISERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>BRANCHES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>CONTROL VALVES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>07</td>
<td>AIR CHAMBERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>08</td>
<td>SUPPORTS</td>
</tr>
<tr>
<td>06</td>
<td>HOT WATER</td>
<td>01</td>
<td>STORAGE TANKS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>TANKLESS HEATER</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>SAFETY VALVES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>CIRCULATION</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>VACUUM VALVE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>SUPPORTS</td>
</tr>
<tr>
<td>07</td>
<td>DOMESTIC</td>
<td>01</td>
<td>FIXTURES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>EXPOSED PIPING</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>TRAPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>TRIM</td>
</tr>
<tr>
<td>08</td>
<td>COMMERCIAL</td>
<td>01</td>
<td>DISPOSERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>POT SINKS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>TRAPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>WATER COOLERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>URINALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>FLUSHOMETER</td>
</tr>
<tr>
<td>Section</td>
<td>01</td>
<td>02</td>
<td>03</td>
</tr>
<tr>
<td>---------</td>
<td>----</td>
<td>----</td>
<td>----</td>
</tr>
<tr>
<td>02 STACKS</td>
<td>SOIL</td>
<td>WASTE</td>
<td>BRANCH INTERVALS</td>
</tr>
<tr>
<td>03 WASTES</td>
<td>ARMS</td>
<td>BRANCHES</td>
<td>SPECIAL</td>
</tr>
<tr>
<td>04 VENTS</td>
<td>SERVICE</td>
<td>METERS</td>
<td>MAINS</td>
</tr>
<tr>
<td>05 WATER SUPPLY</td>
<td>STORAGE TANKS</td>
<td>TANKLESS HEATER</td>
<td>SAFETY VALVES</td>
</tr>
<tr>
<td>06 HOT WATER</td>
<td>FIXTURES</td>
<td>EXPOSED PIPING</td>
<td>TRAPS</td>
</tr>
<tr>
<td>07 DOMESTIC</td>
<td>DISPOSERS</td>
<td>POT SINKS</td>
<td>TRAPS</td>
</tr>
<tr>
<td>08 COMMERCIAL</td>
<td>SIZING D.W.V.</td>
<td>OFFSETS</td>
<td>AREAS</td>
</tr>
<tr>
<td>09 MATH</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

47
<table>
<thead>
<tr>
<th>CODE</th>
<th>DIVISION</th>
<th>CODE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>09</td>
<td>MATH (CONT.)</td>
<td>09</td>
<td>PERCENTAGES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>LABOR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11</td>
<td>MATERIAL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>DISCOUNT</td>
</tr>
<tr>
<td>10</td>
<td>SCIENCE</td>
<td>01</td>
<td>GASES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>COMPRESSED AIR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>SPECIALTIES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>PRESSURES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>THERMAL EXPANSION</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>FRICTION</td>
</tr>
<tr>
<td></td>
<td></td>
<td>07</td>
<td>DRAINS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>08</td>
<td>VENTS</td>
</tr>
<tr>
<td>11</td>
<td>DRAWING AND</td>
<td>01</td>
<td>SYMBOLS</td>
</tr>
<tr>
<td></td>
<td>BLUEPRINT</td>
<td>02</td>
<td>SHOP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>ISOMETRIC</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>DETAIL</td>
</tr>
<tr>
<td>12</td>
<td>CODE</td>
<td>01</td>
<td>PLUMBING</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>GAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>DEFINITIONS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>TABLES</td>
</tr>
<tr>
<td>13</td>
<td>SAFETY</td>
<td>01</td>
<td>'30 HOURS - CONSTRUCTION SAFETY AND HEALTH</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>CODE</th>
<th>DIVISION</th>
<th>CODE</th>
<th>UNIT</th>
</tr>
</thead>
</table>

49
<table>
<thead>
<tr>
<th>CODE</th>
<th>DIVISION</th>
<th>CODE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TABLE T-2 - TERMOB DIVISION AND UNIT OUTLINE

PLUMBING AND PIPEFITTING

DOES THIS OUTLINE CONTAIN ALL TOPICS IN WHICH GRADUATES ACQUIRE JOB-ENTRY SKILLS? YES ______ NO ______

<table>
<thead>
<tr>
<th>CODE</th>
<th>DIVISION</th>
<th>CODE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>PIPE INSTALLATION</td>
<td>01</td>
<td>BRASS PIPE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>COPPER PIPE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>SOIL PIPE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>PLASTIC PIPE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>IRON PIPE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>CEMENT ASBESTOS PIPE</td>
</tr>
<tr>
<td>02</td>
<td>FIXTURE INSTALLATION</td>
<td>01</td>
<td>TUBS AND SINKS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>TOILETS AND URINALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>HEATING UNITS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>BOILERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>RADIATORS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>DISPOSAL UNITS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>07</td>
<td>TANKS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>08</td>
<td>PUMPS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>09</td>
<td>VALVES</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>DRYERS</td>
</tr>
<tr>
<td>03</td>
<td>REPAIR AND MAINTENANCE</td>
<td>01</td>
<td>LEAKS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>02</td>
<td>WATER HAMMER</td>
</tr>
<tr>
<td></td>
<td></td>
<td>03</td>
<td>BLOCKAGE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>04</td>
<td>PRESSURE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>05</td>
<td>BACKUP</td>
</tr>
<tr>
<td></td>
<td></td>
<td>06</td>
<td>THERMAL PROTECTION &amp; MAINTENANCE</td>
</tr>
<tr>
<td></td>
<td></td>
<td>07</td>
<td>FAUCETS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>08</td>
<td>TOILETS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>09</td>
<td>GASBURNERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>BOILERS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>11</td>
<td>HEATING &amp; COOLING UNITS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
<td>FLUSHOMETERS</td>
</tr>
</tbody>
</table>

51
<table>
<thead>
<tr>
<th>CODE</th>
<th>DIVISION</th>
<th>CODE</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>52</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
TERMINAL PERFORMANCE OBJECTIVES (TERMOBS)

and

REPORTING FORMS
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS

( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

( ) 1.04 BRASS PIPE EXISTING

( ) 1.05 COPPER TUBING

( ) 1.06 SOLDERING EQUIPMENT

( ) 1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

( ) 1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ADD COPPER COLD SUPPLY LINE FOR EXTERIOR FAUCET TO BRASS SUPPLY LINE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS

( ) 2.03 SELECT MATERIALS FOR JOB

( ) 2.04 EXPOSE EXISTING PLUMBING

( ) 2.05 SHUT OFF WATER

( ) 2.06 DRILL HOLES

( ) 2.07 CUT PIPE

( ) 2.08 THREAD AND REAM PIPE

( ) 2.09 LAY PIPE AND VALVES

( ) 2.10 SEAL JOINTS

( ) 2.11 MAKE CONNECTION TO WATER SUPPLY

( ) 2.12 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 FAUCET IS INSTALLED AND CONFORMS TO VERBAL LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

( ) 3.04 SUFFICIENT ACCESS WITH MINIMUM DAMAGE

( ) 3.05 COMPLETELY

( ) 3.06 NEATLY LESS THAN 1/8" OVERSIZE

( ) 3.07 ACCURATELY: 1/12
1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 BRASS PIPE EXISTING
1.05 COPPER TUBING
1.06 SOLDERING EQUIPMENT
1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
2.01 ADD COPPER COLD SUPPLY LINE FOR EXTERIOR FAUCET TO BRASS SUPPLY LINE EMPLOYING THE FOLLOWING OPERATIONS:

   2.02 TAKE MEASUREMENTS
   2.03 SELECT MATERIALS FOR JOB
   2.04 EXPOSE EXISTING PLUMBING
   2.05 SHUT OFF WATER
   2.06 DRILL HOLES
   2.07 CUT PIPE
   2.08 THREAD AND REAM PIPE
   2.09 LAY PIPE AND VALVES
   2.10 SEAL JOINTS
   2.11 MAKE CONNECTION TO WATER SUPPLY
   2.12 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
3.01 FAUCET IS INSTALLED AND CONFORMS TO VERBAL LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

   3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES
   3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
   3.04 SUFFICIENT ACCESS WITH MINIMUM DAMAGE
   3.05 COMPLETELY
   3.06 NEATLY LESS THAN 1/8" OVERSIZE
   3.07 ACCURATELY + 1/32
   3.08 ACCURATELY INSURING SOUND JOINT
   3.09 PROPERLY ALIGNED
   3.10 WATERTIGHT
   3.11 NEATLY
   3.12 OPERATING PROPERLY WITH NO LEAKS

55
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

56
MISOE NO.  

PROGRAM  PLUMBING AND PIPEFITTING  
DIVISION 01  PIPE INSTALLATION  
UNIT 02  COPPER PIPE  
TERMNO NO. 14-002  

1.00 CONDITION  

( ) 1.01 BLUEPRINT FOR ROUGH IN WASTE FOR FIRST FLOOR BATHTUB  
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)  
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS  
( ) 1.04 COPPER TUBING  
( ) 1.05 EXISTING DRAINAGE SYSTEM  
( ) 1.06 SOLDERING EQUIPMENT (TABLE T-3B)  
( ) 1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED  
( ) 1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)  

2.00 PERFORMANCE  

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME  

( ) 2.01 ROUGH IN WASTE FOR FIRST FLOOR BATHTUB EMPLOYING THE FOLLOWING OPERATIONS:  

( ) 2.02 TAKE_MEASUREMENTS  
( ) 2.03 SELECT MATERIALS FOR JOB  
( ) 2.04 DRILL HOLES  
( ) 2.05 LAY PIPE  
( ) 2.06 SWEAT JOINTS  
( ) 2.07 CAP LINE  
( ) 2.08 MAKE CONNECTION TO DRAINAGE SYSTEM  
( ) 2.09 INSPECT OPERATION OF SYSTEM  

3.00 EXTENT  

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME  

( ) 3.01 BATHTUB WASTE LINE IS ROUGHED IN AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY  

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES  

( ) 3.03 INSURING ECONOMICAL COST  
( ) 3.04 NEATLY LESS THAN 1/8" OVERSIZE  
( ) 3.05 FIRMLY SECURED  
( ) 3.06 WATERTIGHT  
( ) 3.07 AIRTIGHT  
( ) 3.08 NEATLY  
( ) 3.09 OPERATING PROPERLY WITH NO LEAKS USING ACCEPTED TEST FOR WASTE LINE LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO.  

PROGRAM  PLUMBING AND PIPEFITTING  

DIVISION 01 PIPE INSTALLATION  

UNIT 02 COPPER PIPE  

TERMNO NO. 14-003  

1.00 CONDITION  

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)  
( ) 1.02 SOLDERING EQUIPMENT (TABLE T-3B)  
( ) 1.03 BLUEPRINT (SHOP DRAWING)  
( ) 1.04 COPPER TUBING  
( ) 1.05 HOLES PUNCHED 4" ON CENTER  
( ) 1.06 VALVES AND FITTINGS  
( ) 1.07 APPROPRIATE CHROME CONNECTORS AND ADAPTERS  
( ) 1.08 VARIOUS LENGTHS OF PIPE  

2.00 PERFORMANCE  

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME  

( ) 2.01 INSTALL TWO ROUND WASH BASINS SET IN A VANITY  
EMPLOYING THE FOLLOWING OPERATIONS:  

( ) 2.02 TAKE MEASUREMENTS  
( ) 2.03 SELECT MATERIALS FOR JOB  
( ) 2.04 INSTALL VALVES AND DRAIN  
( ) 2.05 CUT TUBING  
( ) 2.06 MAKE CONNECTION TO WASTE PIPE  
( ) 2.07 MAKE CONNECTION TO WATER SUPPLY  
( ) 2.08 INSPECT OPERATION OF SYSTEM  
( ) 2.09 ADJUST SYSTEM AS NECESSARY  

3.00 EXTENT  

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME  

( ) 3.01 ROUND WASH BASINS INSTALLED TO APPROVAL OF A BOARD  
OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS  
WITH EACH OPERATION JUDGED AS SATISFACTORY OR  
UNSATISFACTORY  

( ) 3.02 ACCURATELY INSURING SOUND CONNECTION  
( ) 3.03 INSURING SOUND CONSTRUCTION AT MINIMAL COST  
( ) 3.04 PROPERLY ALIGNED  
( ) 3.05 ACCURATELY ± 1/32 INCH  
( ) 3.06 WATER TIGHT  
( ) 3.07 NEATLY AND WATERTIGHT  
( ) 3.08 OPERATING PROPERLY WITH NO LEAKS  
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S STANDARDS
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 PHOTOGRAPHIC RINSE SINK
( ) 1.03 BLUEPRINT (SHOP DRAWING)
( ) 1.04 COLD WATER LINE OVERHEAD
( ) 1.05 COPPER TUBING 1/2"
( ) 1.06 BALL VALVE, SYPHON BREAKER, AIR GAP

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL WATER SUPPLY TO PHOTOGRAPHIC RINSE SINK
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRILL HOLES
( ) 2.05 CUT TUBING
( ) 2.06 INSTALL TUBING
( ) 2.07 INSTALL BALL VALVE, SYPHON BREAKER AND AIR GAP
( ) 2.08 MAKE CONNECTION TO WATER SUPPLY
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 WATER SUPPLY INSTALLED CONFORMING TO BLUEPRINT AND
ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A
BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN
3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY
OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMING
TO BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 NEATLY LESS THAN 1/8" OVERSIZE
( ) 3.05 ACCURATELY + 1/32"
( ) 3.06 ACCURATELY INSURING SOUND JOINTS
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 NEATLY AND WATER TIGHT
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S STANDARDS
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIVISION</th>
<th>PIPE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>COPPER PIPE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNIT</th>
<th>COOPER PIPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>02</td>
<td></td>
</tr>
</tbody>
</table>

| TERMOB NO. | 14-004 |

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
PROGRAM PLUMBING AND DIVISION 01 PIPE INSTALLATION
PIPEFITTING UNIT 02 COPPER PIPE
TERMOB NO. 14-005

1.00 CONDITION

( ) 1.01 BLUEPRINT
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 COPPER TUBING
( ) 1.05 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.06 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.07 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ROUGH IN WASH BASIN SUPPLY LINES IN A FIRST FLOOR BATHROOM EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRILL HOLES
( ) 2.05 LAY PIPE
( ) 2.06 SWEAT JOINTS
( ) 2.07 CAP LINES
( ) 2.08 MAKE CONNECTION TO WATER SUPPLY
( ) 2.09 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SUPPLY LINES ROUGHED IN CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

( ) 3.03 INSURING ECONOMICAL COST
( ) 3.04 NEATLY LESS THAN 1/8" OVERRSIZE
( ) 3.05 FIRMLY SECURED
( ) 3.06 WATERTIGHT
( ) 3.07 WATERTIGHT
( ) 3.08 NEATLY
( ) 3.09 OPERATING PROPERLY WITH NO LEAKS

63
<table>
<thead>
<tr>
<th>MISOE NO.</th>
<th>PROGRAM</th>
<th>DIVISION 01</th>
<th>UNIT 02</th>
<th>UNIT</th>
<th>COPPER PIPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PLUMBING AND</td>
<td>PIPEFITTING</td>
<td>PIPE INSTALLATION</td>
<td>PIPEFITTING</td>
<td>COPPER PIPE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>USOE CODE NO(S)</th>
<th>UNIT</th>
<th>COPPER PIPE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT FOR INSTALLATION OF BASEMENT PLUMBING
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 COPPER TUBING
( ) 1.05 EXISTING HEATING UNIT WITH TANKLESS WATER HEATER
( ) 1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.08 DOMESTIC SUPPLY LINES RUN FROM FIXTURES TO BASEMENT CEILING
( ) 1.09 COLD WATER SUPPLY LINE CAPPED AT METER
( ) 1.10 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL BASEMENT PLUMBING FOR DOMESTIC HOT WATER SUPPLY EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 MAKE UP ALL ADAPTERS
( ) 2.05 SET MIXING VALVE
( ) 2.06 LAY PIPE
( ) 2.07 MAKE CONNECTION TO WATER SUPPLY AND SOLDER
( ) 2.08 TURN ON WATER
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PLUMBING INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 WATERTIGHT
( ) 3.05 PROPER LOCATION TO MANUFACTURER'S SPECIFICATIONS
( ) 3.06 PROPERLY ALIGNED
( ) 3.07 WATERTIGHT
( ) 3.08 SLOWLY
1.01 BLU Print FOR INSTALLATION OF BASEMENT PLUMBING
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 COPPER TUBING
1.05 EXISTING HEATING UNIT WITH TANKLESS WATER HEATER
1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.08 DOMESTIC SUPPLY LINES RUN FROM FIXTURES TO BASEMENT CEILING
1.09 COLD WATER SUPPLY LINE CAPPED AT METER
1.10 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

( ) 2.01 INSTALL BASEMENT PLUMBING FOR DOMESTIC HOT WATER SUPPLY EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 MAKE UP ALL ADAPTERS
( ) 2.05 SET MIXING VALVE
( ) 2.06 LAY PIPE
( ) 2.07 MAKE CONNECTION TO WATER SUPPLY AND SOLDER
( ) 2.08 TURN ON WATER
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**

( ) 3.01 PLUMBING INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 WATERTIGHT
( ) 3.05 PROPER LOCATION TO MANUFACTURER'S SPECIFICATIONS
( ) 3.06 PROPERLY ALIGNED
( ) 3.07 WATERTIGHT
( ) 3.08 SLOWLY
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>MISOE NO.</th>
<th>PROGRAM</th>
<th>DIVISION</th>
<th>UNIT</th>
<th>USOE CODE NO(S)</th>
<th>PIPE INSTALLATION</th>
<th>UNIT</th>
<th>COPPER PIPE</th>
<th>TERMOB NO.</th>
<th>14-006</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PLUMBING AND PIPEFITTING</td>
<td>01</td>
<td>02</td>
<td></td>
<td>PIPE INSTALLATION</td>
<td></td>
<td>COPPER PIPE</td>
<td>14-006</td>
<td></td>
</tr>
<tr>
<td>1.00</td>
<td>CONDITION</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

67
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 LEADING EQUIPMENT (TABLE T-3A)
( ) 1.03 SEPTIC TANK
( ) 1.04 BUILDING DRAIN
( ) 1.05 BLUEPRINT (SHOP DRAWING)
( ) 1.06 CAST IRON SOIL PIPE OR COMPOSITION PIPE

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL SEWER FROM BUILDING DRAIN TO SEPTIC TANK
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 MAKE CONNECTION TO DRAIN
( ) 2.05 MAKE CONNECTION TO SEPTIC TANK
( ) 2.06 LAY PIPE
( ) 2.07 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SEWER INSTALLED IN ACCORDANCE TO LOCAL CODES AND
ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A
BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN
3 HOURS WITH EACH OPERATION JUDGED SATISFACTORY
OR UNSATISFACTORY

( ) 3.02 ACCURATELY
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 WATERTIGHT
( ) 3.05 WATERTIGHT
( ) 3.06 PROPERLY ALIGNED, WATERTIGHT
( ) 3.07 OPERATING PROPERLY WITH NO LEAKS

68
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIVISION 01</th>
<th>PIPE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING AND</td>
<td>PIPEFITTING</td>
<td>SOIL PIPE</td>
</tr>
<tr>
<td>USOE CODE NO(S)</td>
<td>UNIT 03</td>
<td>TERMIN NO.</td>
</tr>
<tr>
<td>PIPEFITTING</td>
<td></td>
<td>14-007</td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 LEADING EQUIPMENT (TABLE T-3B)
( ) 1.03 VERBAL INSTRUCTIONS - SHOP DRAWING
( ) 1.04 CAST IRON SOIL PIPE
( ) 1.05 NO-HUB WYE FITTING
( ) 1.06 COUPLINGS AND BANDS
( ) 1.07 DRAIN UNDER BASEMENT FLOOR

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 CUT A WYE FITTING INTO HOUSE DRAIN LOCATED UNDER BASEMENT FLOOR. EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 EXPOSE DRAIN
( ) 2.05 MEASURE FITTING AND DRAIN
( ) 2.06 CUT DRAIN
( ) 2.07 INSTALL NO-HUB WYE
( ) 2.08 ADJUST SYSTEM AS NECESSARY
( ) 2.09 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 WYE FITTING CUT INTO DRAIN CONFORMING TO SHOP DRAWING AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE TO SHOP DRAWING

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 WITH MINIMAL AMOUNT OF DAMAGE TO BASEMENT FLOOR
( ) 3.05 ACCURATELY INSURING PROPER FIT
( ) 3.06 ACCURATELY INSURING PROPER FIT
( ) 3.07 WATERTIGHT USING PROPER TORQUE ON COUPLINGS AND BANDS
( ) 3.08 SYSTEM CONFORMS TO ACCEPTED PLUMBING STANDARDS
( ) 3.09 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIVISION 01</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING AND</td>
<td>PIPE INSTALLATION</td>
</tr>
<tr>
<td>PIPING</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>USOE CODE NO(S)</th>
<th>UNIT 03</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>SOIL PIPE</td>
</tr>
</tbody>
</table>

| TECNOB NO.      | 14-008             |

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

71
1.00 CONDITION

( ) 1.01 BLUEPRINT OR SHOP DRAWING
( ) 1.02 CAST IRON PIPE
( ) 1.03 LOCKER ROOM WITH EXPOSED WALL AND FLOOR
( ) 1.04 BASIC PLUMBERS TOOLS (TABLE T-3)
( ) 1.05 LEADING EQUIPMENT (TABLE T-3A)
( ) 1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL DRAINS AND VENTS FOR A BATTERY OF SIX
FLOOR-MOUNTED LOOP-VENTED WATER CLOSETS EMPLOYING
THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT PROPER MATERIALS
( ) 2.04 DRILL HOLES AS NECESSARY
( ) 2.05 CUT PIPE
( ) 2.06 ASSEMBLE PIPE AND MAKE JOINTS
( ) 2.07 CONNECT TO MAIN BUILDING STACK

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DRAINS AND VENTS INSTALLED TO THE APPROVAL OF A
BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12
HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY
OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE
WITH BLUEPRINT

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

( ) 3.04 NEATLY

( ) 3.05 ACCURATELY + 1/8"

( ) 3.06 PROPERLY ALIGNED, SUPPORTED AND WATERTIGHT

( ) 3.07 WATERTIGHT
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S)__________________________

DIVISION 01 PIPE INSTALLATION

UNIT 03 SOIL PIPE

TERMOB NO. 14-009

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT FOR SINGLE FAMILY HOUSE, ONE BATHROOM, ONE STACK
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 SOIL PIPE
( ) 1.05 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.06 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.07 LEADING EQUIPMENT (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL ALL DRAINS, WASTES AND VENTS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT PIPE
( ) 2.05 ASSEMBLE DRAIN
( ) 2.06 ASSEMBLE STACK
( ) 2.07 ASSEMBLE VENT
( ) 2.08 ASSEMBLE WASTES
( ) 2.09 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DRAIN, STACK AND VENT INSTALLED AND CONFORMS TO BLUEPRINT; LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING ECONOMICAL COST
( ) 3.04 TO CONFORM TO BLUEPRINT WITHIN 1/4"
( ) 3.05 WATERTIGHT AND PROPERLY SECURED
( ) 3.06 WATERTIGHT AND PROPERLY SECURED
( ) 3.07 WATERTIGHT AND PROPERLY SECURED
( ) 3.08 NEATLY
( ) 3.09 OPERATING PROPERLY WITH NO LEAKING USING ACCEPTED TEST FOR LEAKS
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S)

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

MISOE NO._

DIVISION 01 PIPE INSTALLATION

UNIT 03 SOIL PIPE

TERMOB NO. 14-010

75
MISOE NO. _______________________

PROGRAM PLUMBING AND PIPEFITTING

DIVISION 01 PIPE INSTALLATION

UNIT 03 SOIL PIPE

TERMOB NO. 14-011

1.00 CONDITION
( ) 1.01 BLUEPRINT OR SHOP DRAWING
( ) 1.02 SUPPORTS
( ) 1.03 BELL AND SPIGOT IN SYSTEM TO BE JOINED HORIZONTALLY
( ) 1.04 BASIC PLUMBERS'TOOLS (TABLE T-3)
( ) 1.05 LEADING EQUIPMENT (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL CAST IRON SOIL PIPE REQUIRING HORIZONTAL JOINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 PREPARE PIPE
( ) 2.03 POSITION PIPE
( ) 2.04 SUPPORT PIPE
( ) 2.05 PACK HUB WITH OAKUM
( ) 2.06 PUSH JOINT RUNNER UP AGAINST HUB
( ) 2.07 SEAL GATE
( ) 2.08 POUR JOINT
( ) 2.09 REMOVE ASBESTOS JOINT RUNNER
( ) 2.10 CUT AWAY EXCESS LEAD
( ) 2.11 CAULK JOINT

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 HORIZONTAL JOINT MADE PROPERLY TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1/2 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 PIPE IS DRY
( ) 3.03 AT DESIRED GRADE OR ANGLE EVENLY SPACED CIRCUMFERENCE BETWEEN HUB AND SPIGOT
( ) 3.04 SECURELY
( ) 3.05 TO WITHIN ONE INCH OF FACE OF HUB
( ) 3.06 TIGHTLY
( ) 3.07 TIGHTLY, NO LEAKS
( ) 3.08 CAREFULLY, TO THE TOP OF THE HUB
( ) 3.09 AFTER SUFFICIENT COOLING
( ) 3.10 FOR NEAT, TIGHT JOINT
( ) 3.11 FOR NEAT, TIGHT JOINT

76
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S)________________________

DIVISION 01 PIPE INSTALLATION
UNIT 03 SOIL PIPE
TERMOB NO. 14-011

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
PROGRAM          DIVISION 01 PIPE INSTALLATION
PLUMBING AND     UNIT 03 SOIL PIPE
PIPEFITTING

ERMOB NO.  14-012

1.00  CONDITION

( ) 1.01  BLUEPRINT OR SHOP DRAWING
( ) 1.02  BELL AND SPIGOT PIPE
( ) 1.03  BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.04  LEADING EQUIPMENT (TABLE T-3A)
( ) 1.05  PACKING TOOLS
( ) 1.06  HAMMER
( ) 1.07  RULER
( ) 1.08  MELTING FURNACE WITH HOT LEAD AND LADLE
( ) 1.09  INSIDE CAULKING IRON
( ) 1.10  8 OZ. BALL PEEN HAMMER
( ) 1.11  OUTSIDE CAULKING IRON

2.00  PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01  INSTALL CAST IRON SOIL PIPE REQUIRING VERTICAL JOINT
          EMPLOYING THE FOLLOWING OPERATIONS:

          ( ) 2.02  INSPECT BELL AND SPIGOT ENDS OF PIPES TO BE
                      CAULKED
          ( ) 2.03  HEAT ENDS
          ( ) 2.04  PLACE SPIGOT END OF PIPE INTO BELL OF PIPE BELOW
                      AND SUPPORT
          ( ) 2.05  PACK OAKUM INTO JOINT
          ( ) 2.06  POUR LEAD INTO JOINT
          ( ) 2.07  ALLOW LEAD TO COOL
          ( ) 2.08  CAULK LEAD ON OUTSIDE
          ( ) 2.09  CAULK LEAD ON INSIDE

3.00  EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01  VERTICAL JOINT MADE PROPERLY TO APPROVAL OF BOARD
          OF EXPERT RATERS.  TO BE COMPLETED WITHIN 2 HOURS
          WITH EACH OPERATION JUDGED AS SATISFACTORY OR
          UNSATISFACTORY

          ( ) 3.02  FOR MOISTURE OR CRACKS
          ( ) 3.03  PIPE IS DRY
          ( ) 3.04  EQUAL SPACE BETWEEN PIPE AND BELL IS MAINTAINED
                      AROUND CIRCUMFERENCE, ADEQUATELY SUPPORTED
          ( ) 3.05  TO WITHIN 1 INCH OF HUB TOP
          ( ) 3.06  TO MAKE JOINT IN ONE POURING
          ( ) 3.07  ONE OR TWO MINUTES
          ( ) 3.08  TO DRIVE LEAD TOWARD INSIDE
1.00 CONDITION

( ) 1.01 BLUEPRINT OR SHOP DRAWING
( ) 1.02 BELL AND SPIGOT PIPE
( ) 1.03 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.04 LEADING EQUIPMENT (TABLE T-3A)
( ) 1.05 PACKING TOOLS
( ) 1.06 HAMMER
( ) 1.07 RULER
( ) 1.08 MELTING FURNACE WITH HOT LEAD AND LADLE
( ) 1.09 INSIDE CAULKING IRON
( ) 1.10 8 OZ. BALL PEEN HAMMER
( ) 1.11 OUTSIDE CAULKING IRON

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL CAST IRON SOIL PIPE REQUIRING VERTICAL JOINT
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 INSPECT BELL AND SPIGOT ENDS OF PIPES TO BE CAULKED
( ) 2.03 HEAT ENDS
( ) 2.04 PLACE SPIGOT END OF PIPE INTO BELL OF PIPE BELOW
AND SUPPORT
( ) 2.05 PACK OAKUM INTO JOINT
( ) 2.06 POUR LEAD INTO JOINT
( ) 2.07 ALLOW LEAD TO COOL
( ) 2.08 CAULK LEAD ON OUTSIDE
( ) 2.09 CAULK LEAD ON INSIDE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 VERTICAL JOINT MADE PROPERLY TO APPROVAL OF BOARD
OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS
WITH EACH OPERATION JUDGED AS SATISFACTORY OR
UNSATISFACTORY

( ) 3.02 FOR MOISTURE OR CRACKS
( ) 3.03 PIPE IS DRY
( ) 3.04 EQUAL SPACE BETWEEN PIPE AND BELL IS MAINTAINED
AROUND CIRCUMFERENCE, ADEQUATELY SUPPORTED
( ) 3.05 TO WITHIN 1 INCH OF HUB TOP
( ) 3.06 TO MAKE JOINT IN ONE POURING
( ) 3.07 ONE OR TWO MINUTES
( ) 3.08 TO DRIVE LEAD TOWARD INSIDE
( ) 3.09 JOINT TIGHT
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
</tr>
<tr>
<td>UNIT</td>
<td>SOIL PIPE</td>
</tr>
<tr>
<td>TERMOB NO.</td>
<td>14-012</td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO. 81

PROGRAM: PLUMBING AND PIPEFITTING

DIVISION 01 PIPE INSTALLATION

UNIT 03 SOIL PIPE

TERMOB NO. 14-013

1.00 CONDITION

( ) 1.01 BLUEPRINT FOR CONNECTING BUILDING SEWER TO MAIN SEWER
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 SOIL, CLAY OR CEMENT PIPE OF APPROPRIATE LENGTHS AND DIAMETERS
( ) 1.04 VITRIFIED CLAY OR CONCRETE WYE FITTING
( ) 1.05 PREFORMED BITUMASTIC RINGS
( ) 1.06 BRICKS AND MORTAR
( ) 1.07 EXPOSED CITY OR MAIN SEWER
( ) 1.08 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.09 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.10 EXCAVATED TRENCH
( ) 1.11 LEADING EQUIPMENT (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND ResultING OUTCOME

( ) 2.01 CONNECT BUILDING SEWER TO CITY OR MAIN SEWER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT FITTING INTO MAIN SEWER
( ) 2.05 LAY PIPES
( ) 2.06 SEAL JOINTS
( ) 2.07 MAKE CONNECTION TO MAIN SEWER
( ) 2.08 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DRAINAGE SYSTEM INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERs. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING ECONOMICAL COST
( ) 3.04 TO CONFORM TO BLUEPRINT ± 1/32
( ) 3.05 ADEQUATELY SUPPORTED
( ) 3.06 WATERTIGHT
( ) 3.07 NEATLY AND WATERTIGHT
( ) 3.08 OPERATING PROPERLY WITH NO LEAKS USING ACCEPTED
1.01 BLUEPRINT FOR CONNECTING BUILDING SEWER TO MAIN SEWER
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 SOIL, CLAY OR CEMENT PIPE OF APPROPRIATE LENGTHS AND DIAMETERS
1.04 VITRIFIED CLAY OR CONCRETE WYE FITTING
1.05 PREFORMED BITUMASTIC RINGS
1.06 BRICKS AND MORTAR
1.07 EXPOSED CITY OR MAIN SEWER
1.08 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.09 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.10 EXCAVATED TRENCH
1.11 LEADING EQUIPMENT (TABLE T-3A)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 CONNECT BUILDING SEWER TO CITY OR MAIN SEWER
EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT FITTING INTO MAIN SEWER
( ) 2.05 LAY PIPES
( ) 2.06 SEAL JOINTS
( ) 2.07 MAKE CONNECTION TO MAIN SEWER
( ) 2.08 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 DRAINAGE SYSTEM INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING ECONOMICAL COST
( ) 3.04 TO CONFORM TO BLUEPRINT ± 1/32
( ) 3.05 ADEQUATELY SUPPORTED
( ) 3.06 WATERTIGHT
( ) 3.07 NEATLY AND WATERTIGHT
( ) 3.08 OPERATING PROPERLY WITH NO LEAKS USING ACCEPTED TEST FOR LEAKS

82
PROGRAM: PLUMBING AND PIPEFITTING

CONDITION

PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

- 1.01 Verbal instructions as to locations, conditions and specifications
- 1.02 Basic Plumbers' tools (Table T-3)
- 1.03 Appropriate lengths of pipe of assorted diameters
- 1.04 Plastic pipe
- 1.05 Shower valve and head
- 1.06 Fittings, connectors, adapters as needed
- 1.07 Required hardware (straps, hangers, etc.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 Add a wall shower to existing copper bathtub supply lines employing the following operations:
  - Take measurements
  - Select materials for job
  - Expose existing plumbing
  - Drill holes
  - Shut off water
  - Measure and cut pipe
  - Lay pipe and mixing valve
  - Solder and seal joints
  - Make connection to water supply
  - Inspect operation of system

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 Shower is installed and conforms to verbal instructions, local codes and accepted plumbing techniques to approval of board of expert raters. To be completed within 6 hours with each operation judged as satisfactory or unsatisfactory.
- 3.02 Accurately insuring sound construction and conforming with verbal instructions and local codes.
- 3.03 Insuring sound construction at economical cost.
- 3.04 Sufficient access with minimum damage.
- 3.05 Neatly less than 1/8" oversize.
- 3.06 Water off.
- 3.07" Accurately + 1/32.
- 3.08 Properly aligned.
- 3.09 Watertight.
1.01 VERBAL INSTRUCTIONS AS TO Locations, Conditions and Specifications
1.02 Basic Plumbers' Tools (Table T-3)
1.03 Appropriate Lengths of Pipe of Assorted Diameters
1.04 Plastic Pipe
1.05 Shower Valve and Head
1.06 Fittings, Connectors, Adapters as Needed
1.07 Required Hardware (Straps, Hangers, Etc.)

2.00 Performance

General Statement of Performance and Resulting Outcome
( ) 2.01 Add a Wall Shower to Existing Copper Bathtub Supply Lines Employing the Following Operations:
( ) 2.02 Take Measurements
( ) 2.03 Select Materials for Job
( ) 2.04 Expose Existing Plumbing
( ) 2.05 Drill Holes
( ) 2.06 Shut Off Water
( ) 2.07 Measure and Cut Pipe
( ) 2.08 Lay Pipe and Mixing Valve
( ) 2.09 Solder and Seal Joints
( ) 2.10 Make Connection to Water Supply
( ) 2.11 Inspect Operation of System

3.00 Extent

General Statement of Extent and Extent of Resulting Outcome
( ) 3.01 Shower is Installed and Conforms to Verbal Instructions, Local Codes and Accepted Plumbing Techniques to Approval of Board of Expert Raters. To Be Completed Within 6 Hours with Each Operation Judged as Satisfactory or Unsatisfactory
( ) 3.02 Accurately Insuring Sound Construction and Conforming with Verbal Instructions and Local Codes
( ) 3.03 Insuring Sound Construction at Economical Cost
( ) 3.04 Sufficient Access with Minimum Damage
( ) 3.05 Neatly-Less Than 1/8" Oversize
( ) 3.06 Water Off
( ) 3.07 Accurately + 1/32
( ) 3.08 Properly Aligned
( ) 3.09 Watertight
( ) 3.10 Neatly
( ) 3.11 Operating Properly with No Leaks
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A SPRINKLER SYSTEM IN A 10' x 60' LAWN
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 PLASTIC PIPE
( ) 1.05 SPRINKLER HEADS
( ) 1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL LAWN SPRINKLER SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 EXCAVATE
( ) 2.05 CUT PIPE
( ) 2.06 LAY PIPE
( ) 2.07 SEAL JOINTS
( ) 2.08 MAKE CONNECTION TO WATER SUPPLY
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SPRINKLERS ARE INSTALLED ACCORDING TO LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES AND CONFORM TO BLUEPRINT TO APPROVAL OF BOARD OF EXPERT RATERS, TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 NEATLY
( ) 3.05 ACCURATELY + 1/32
( ) 3.06 PROPERLY ALIGNED
( ) 3.07 WATERTIGHT
( ) 3.08 NEATLY
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS
1.01 BLUEPRINT OF A SPRINKLER SYSTEM IN A 10' x 60' LAWN

1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

1.04 PLASTIC PIPE

1.05 SPRINKLER HEADS

1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL LAWN SPRINKLER SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS

2.03 SELECT MATERIALS FOR JOB

2.04 EXCAVATE

2.05 CUT PIPE

2.06 LAY PIPE

2.07 SEAL JOINTS

2.08 MAKE CONNECTION TO WATER SUPPLY

2.09 ADJUST SYSTEM AS NECESSARY

2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 SPRINKLERS ARE INSTALLED ACCORDING TO LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES AND CONFORM TO BLUEPRINT TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

3.04 NEATLY

3.05 ACCURATELY + 1/32

3.06 PROPERLY ALIGNED

3.07 WATERTIGHT

3.08 NEATLY

3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS

3.10 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
<th>DIVISION 01</th>
<th>PIPE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
<td>UNIT 04</td>
<td>PLASTIC PIPE</td>
</tr>
<tr>
<td>TERMOB NO.</td>
<td></td>
<td>14-015</td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 IRON PIPE
( ) 1.05 EXISTING GAS MAIN TO METER
( ) 1.06 FITTINGS/CONNECTORS/ADAPTERS AS NEEDED
( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.08 WATER HEATER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL GAS SUPPLY TO WATER HEATER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT PIPE
( ) 2.05 THREAD PIPE
( ) 2.06 LAY PIPE
( ) 2.07 SEAL JOINTS
( ) 2.08 MAKE CONNECTION TO GAS SUPPLY
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 GAS SUPPLY LINE INSTALLED ACCORDING TO STATE CODES AND ACCEPTED TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATTERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 ACCURATELY + 1/32
( ) 3.05 ACCURATELY, INSURING SOUND JOINT
( ) 3.06 PROPERLY ALIGNED
( ) 3.07 GAS TIGHT
( ) 3.08 NEATLY
( ) 3.09 SYSTEM CONFORMS TO LOCAL CODES
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS USING APPROPRIATE
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 IRON PIPE
1.05 EXISTING GAS MAIN TO METER
1.06 FITTINGS/CONNECTORS/ADAPTERS AS NEEDED
1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.08 WATER HEATER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL GAS SUPPLY TO WATER HEATER EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT PIPE
( ) 2.05 THREAD PIPE
( ) 2.06 LAY PIPE
( ) 2.07 SEAL JOINTS
( ) 2.08 MAKE CONNECTION TO GAS SUPPLY
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 GAS SUPPLY LINE INSTALLED ACCORDING TO STATE CODES AND ACCEPTED TECHNIQUES TO APPROVAL OF BOARD OF EXPERT Raters, TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 ACCURATELY + 1/32
( ) 3.05 ACCURATELY, INSURING SOUND JOINT
( ) 3.06 PROPERLY AlIGNED
( ) 3.07 GAS TIGHT
( ) 3.08 NEATLY
( ) 3.09 SYSTEM CONFORMS TO LOCAL CODES
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS USING APPROPRIATE TESTING METHOD
PROGRAM PLUMBING AND PIPEFITTING

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT (SHOP DRAWING)
( ) 1.02 BASIC PLUMBERS TOOLS (TABLE T-3)
( ) 1.03 FOUR EXISTING RADIATORS
( ) 1.04 EXISTING PUMP AND RECEIVER
( ) 1.05 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.06 GALVANIZED IRON PIPE
( ) 1.07 FITTINGS, CONNECTORS, ADAPTERS, TRAPS AS NEEDED
( ) 1.08 REQUIRED HARDWARE (HANGERS, STRAPS, RODS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL RETURN LINES FOR WATER RADIATORS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRILL HOLES
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 LAY PIPE
( ) 2.08 SEAL JOINTS
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES, AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMING WITH BLUEPRINT AND LOCAL CODES

( ) 3.03 INSURING SOUND CONSTRUCTION AND ECONOMICAL COST
( ) 3.04 NEATLY LESS THAN 1/8" OVERSIZE
( ) 3.05 ACCURATELY ± 1/32
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 WATERTIGHT
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS
1.01 BLUEPRINT (SHOP DRAWING)
1.02 BASIC PLUMBERS TOOLS (TABLE T-3)
1.03 FOUR EXISTING RADIATORS
1.04 EXISTING PUMP AND RECEIVER
1.05 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.06 GALVANIZED IRON PIPE
1.07 FITTINGS, CONNECTORS, ADAPTERS, TRAPS AS NEEDED
1.08 REQUIRED HARDWARE (HANGERS, STRAPS, RODS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL RETURN LINES FOR WATER RADIATORS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRILL HOLES
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 LAY PIPE
( ) 2.08 SEAL JOINTS
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES, AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMING WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AND ECONOMICAL COST
( ) 3.04 NEATLY LESS THAN 1/8" OVERSIZE
( ) 3.05 ACCURATELY + 1/32
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 Watertight
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIVISION</th>
<th>PIPE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>UNIT</th>
<th>IRON PIPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>05</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>TERMOB NO.</th>
<th>14-017</th>
</tr>
</thead>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

95
1.00 CONDITION

( ) 1.01 BLUEPRINT (SHOP DRAWING) *
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 SINGLE FAMILY HOUSE
( ) 1.04 GAS WATER HEATER IN BASEMENT
( ) 1.05 FREE STANDING GAS STOVE ON FIRST FLOOR
( ) 1.06 GAS SERVICE CAPPED AT FOUNDATION
( ) 1.07 ASSORTED BLACK MALLEABLE FITTINGS
( ) 1.08 METER BAR
( ) 1.09 BLACK PIPE OF ASSORTED DIAMETERS
( ) 1.10 ADJUST SYSTEM AS NECESSARY
( ) 1.11 HANGERS, STRAPS, ETC.

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL GAS SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRILL HOLES
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 LAY PIPE
( ) 2.08 SEAL JOINTS
( ) 2.09 MAKE CONNECTIONS TO GAS SUPPLY
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 GAS SYSTEM INSTALLED ACCORDING TO LOCAL CODES AND
ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD
OF EXPERT Raters. TO BE COMPLETED WITHIN 12 HOURS
WITH EACH OPERATION JUDGED AS SATISFACTORY OR
UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE
WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 NEATLY, LESS THAN 1/8" OVERSIZE
( ) 3.05 ACCURATELY, + 1/32"
( ) 3.06 ACCURATELY, INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
1.01 BLUEPRINT (SHOP DRAWING)
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 SINGLE FAMILY HOUSE
1.04 GAS WATER HEATER IN BASEMENT
1.05 FREE STANDING GAS STOVE ON FIRST FLOOR
1.06 GAS SERVICE CAPPED AT FOUNDATION
1.07 ASSORTED BLACK MALLEABLE FITTINGS
1.08 METER BAR
1.09 BLACK PIPE OF ASSORTED DIAMETERS
1.10 ADJUST SYSTEM AS NECESSARY
1.11 HANGERS, STRAPS, ETC.

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL GAS SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRILL HOLES
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 LAY PIPE
( ) 2.08 SEAL JOINTS
( ) 2.09 MAKE CONNECTIONS TO GAS SUPPLY
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 GAS SYSTEM INSTALLED ACCORDING TO LOCAL CODES AND
ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD
OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS
WITH EACH OPERATION JUDGED AS SATISFACTORY OR
UNSATISFACTORY
( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE
WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 NEATLY, LESS THAN 1/8" OVERSIZE
( ) 3.05 ACCURATELY, + 1/32"
( ) 3.06 ACCURATELY, INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 AIRTIGHT
( ) 3.09 NEATLY
( ) 3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.11 OPERATING PROPERLY WITH NO LEAKS USING APPROPRIATE
TESTING METHOD
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT FOR ADDING WATER RADIATOR TO EXISTING HOT WATER HEATING SYSTEM
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 BLACK IRON PIPE
( ) 1.05 EXISTING HEATING UNIT WITH CIRCULATING PUMPS, VALVES AND CONTROLS
( ) 1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.08 WATER RADIATOR PIPES RUN TO BASEMENT CEILING

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 ADD A WATER RADIATOR TO AN EXISTING HOT WATER HEATING SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRILL HOLES
( ) 2.05 CUT PIPE
( ) 2.06 THREAD AND REAM
( ) 2.07 INSTALL PIPE
( ) 2.08 MAKE CONNECTIONS TO WATER SUPPLY
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 PLUMBING INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATER. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 NEATLY LESS THAN 1/8 INCH OVERSIZE
( ) 3.05 ACCURATELY + 1/32 INCH
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY AlIGNED
( ) 3.08 NEATLY
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER’S SPECIFICATIONS
1.01 BLUEPRINT FOR ADDING WATER RADIATOR TO EXISTING HOT WATER HEATING SYSTEM

1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

1.04 BLACK IRON PIPE

1.05 EXISTING HEATING UNIT WITH CIRCULATING PUMPS, VALVES AND CONTROLS

1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

1.08 WATER RADIATOR PIPES RUN TO BASEMENT CEILING

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 ADD A WATER RADIATOR TO AN EXISTING HOT WATER HEATING SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS

2.03 SELECT MATERIALS FOR JOB

2.04 DRILL HOLES

2.05 CUT PIPE

2.06 THREAD AND REAM

2.07 INSTALL PIPE

2.08 MAKE CONNECTIONS TO WATER SUPPLY

2.09 ADJUST SYSTEM AS NECESSARY

2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 PLUMBING INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

3.04 NEATLY LESS THAN 1/8 INCH OVERSIZE

3.05 ACCURATELY + 1/32 INCH

3.06 ACCURATELY INSURING SOUND JOINT

3.07 PROPERLY ALIGNED

3.08 NEATLY

3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS

3.10 OPERATING PROPERLY WITH NO LEAKS

100

7/74
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

- 1.01 Verbal instructions as to locations, conditions and specifications
- 1.02 Basic plumbers' tools (Table T-3)
- 1.03 Appropriate lengths of pipe of assorted diameters
- 1.04 Galvanized steel or wrought iron pipe (unthreaded)
- 1.05 Existing house plumbing
- 1.06 Threading equipment
- 1.07 Fittings, connectors, adapters as needed
- 1.08 Required hardware (straps, hangers, etc.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

- 2.01 Add supply and waste lines for a washing machine employing the following operations:
  - Take measurements
  - Select materials for job
  - Expose existing plumbing
  - Drill holes
  - Thread pipe
  - Lay pipe
  - Install valves
  - Seal joints
  - Make connections to drainage system
  - Make connection to water supply
  - Inspect operation of system

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

- 3.01 Supply and waste lines installed conforming to verbal instructions, local codes and accepted plumbing techniques to approval of board of expert raters. To be completed within 4 hours with each operation judged as satisfactory or unsatisfactory
- 3.02 Accurately, insuring sound construction and conformance with verbal instructions and local codes
- 3.03 Insuring sound construction at economical cost
- 3.04 Sufficient access with minimum damage
- 3.05 Neatly less than 1/8" oversize
- 3.06 Accurately insuring sound joint
- 3.07 Firmly secured
VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS

BASIC PLUMBERS' TOOLS (TABLE T-3)

APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

GALVANIZED STEEL OR WROUGHT IRON PIPE (UNTHREADED)

EXISTING HOUSE PLUMBING

THREADING EQUIPMENT

FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

PERFORMANCE

ADD SUPPLY AND WASTE LINES FOR A WASHING MACHINE EMPLOYING THE FOLLOWING OPERATIONS:

TAKE MEASUREMENTS
SELECT MATERIALS FOR JOB
EXPOSE EXISTING PLUMBING
DRILL HOLES
THREAD PIPE
LAY PIPE
INSTALL VALVES
SEAL JOINTS
MAKE CONNECTIONS TO DRAINAGE SYSTEM
MAKE CONNECTION TO WATER SUPPLY
INSPECT OPERATION OF SYSTEM

EXTENT

SUPPLY AND WASTE LINES INSTALLED CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES

INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

SUFFICIENT ACCESS WITH MINIMUM DAMAGE

NEATLY LESS THAN 1/8" OVERSIZE

ACCURATELY INSURING SOUND JOINT

FIRMLY SECURED

TO LOCAL CODES AND VERBAL INSTRUCTIONS

WATERTIGHT

WATERTIGHT

NEATLY AND WATERTIGHT

OPERATING PROPERLY WITH NO LEAKS

103

7/74
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO. __________________

PROGRAM: PLUMBING AND PIPEFITTING

DIVISION 01 PIPE INSTALLATION

UNIT 06 CEMENT ASBESTOS PIPE

TERMOB NO. 14-021

1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 SLEEVED COUPLINGS
( ) 1.05 CLAMP OR SADDLE COUPLINGS
( ) 1.06 ASBESTOS CEMENT PIPE
( ) 1.07 HYDRAULIC JACK WITH CHAIN AND BAR
( ) 1.08 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.09 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL TEMPORARY WATER MAIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 JOIN PIPES
( ) 2.05 MAKE CONNECTION TO WATER SUPPLY
( ) 2.06 ADJUST SYSTEM AS NECESSARY
( ) 2.07 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 TEMPORARY WATER MAIN IS INSTALLED AND CONFORMS TO VERBAL INSTRUCTIONS, LOCAL CODES, AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES

( ) 3.03 INSURING ECONOMICAL COST
( ) 3.04 WATERTIGHT
( ) 3.05 NEATLY
( ) 3.06 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS, MAXIMUM 5° CHANGE OF DIRECTION AT EACH JOINT
( ) 3.07 OPERATING PROPERLY WITH NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 COMPOSITION PIPE
( ) 1.03 EXISTING SEPTIC TANK
( ) 1.04 DISTRIBUTION BOX
( ) 1.05 EXCAVATED TRENCHES

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL DRAINAGE PIPING FROM SEPTIC TANK TO DISTRIBUTION BOX AND THEN TO LEACHING FIELD EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SET DISTRIBUTION BOX
( ) 2.03 SET PIPING
( ) 2.04 MAKE CONNECTION TO SEPTIC TANK

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DRAINAGE PIPING INSTALLED AND CONFORMS TO VERBAL INSTRUCTIONS, LOCAL CODES, AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 PROPERLY SUPPORTED
( ) 3.03 PROPERLY SUPPORTED
( ) 3.04 NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 BRASS PIPE ROUGH-IN
( ) 1.05 COPPER TUBING ROUGH-IN
( ) 1.06 GALVANIZED STEEL PIPE ROUGH-IN
( ) 1.07 PLASTIC PIPE ROUGH-IN
( ) 1.08 SINK AND FAUCET
( ) 1.09 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.10 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.11 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL KITCHEN SINK EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 TAKE MEASUREMENT
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 SET SINK
( ) 2.05 CUT PIPE
( ) 2.06 INSTALL PIPE
( ) 2.07 INSTALL VALVES AND FITTINGS
( ) 2.08 MAKE CONNECTION TO WASTE PIPE
( ) 2.09 MAKE CONNECTION TO WATER SUPPLY
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 SINK INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE
( ) 3.05 ACCURATELY ± 1/32""'
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
1.01 BLUEPRINT
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 BRASS PIPE ROUGH-IN
1.05 COPPER TUBING ROUGH-IN
1.06 GALVANIZED STEEL PIPE ROUGH-IN
1.07 PLASTIC PIPE ROUGH-IN
1.08 SINK AND FAUCET
1.09 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.10 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.11 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL KITCHEN SINK EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 TAKE MEASUREMENT
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 SET SINK
( ) 2.05 CUT PIPE
( ) 2.06 INSTALL PIPE
( ) 2.07 INSTALL VALVES AND FITTINGS
( ) 2.08 MAKE CONNECTION TO WASTE PIPE
( ) 2.09 MAKE CONNECTION TO WATER SUPPLY
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 SINK INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE
( ) 3.05 ACCURATELY + 1/32"
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 WATERTIGHT
( ) 3.09 NEATLY AND WATERTIGHT
( ) 3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.11 OPERATING PROPERLY WITH NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.03 COPPER TUBING
( ) 1.04 BLUEPRINT (SHOP DRAWING)
( ) 1.05 SINK
( ) 1.06 APPROPRIATE CONNECTORS AND ADAPTERS
( ) 1.07 2 INCH CAST IRON PIPE
( ) 1.08 TAPPED 2 INCH CAST IRON FITTING IN PARTITION AT PROPER HEIGHT
( ) 1.09 VALVES AND FITTINGS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL LABORATORY SINK EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 INSTALL SINK
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 TAP INTO 2 INCH CAST IRON FITTING OF SANITARY DRAINAGE SYSTEM
( ) 2.08 CUT TUBING
( ) 2.09 INSTALL VALVES
( ) 2.10 MAKE CONNECTION TO WASTE PIPE
( ) 2.11 MAKE CONNECTION TO WATER SUPPLY
( ) 2.12 INSPECT OPERATION OF SYSTEM
( ) 2.13 ADJUST SYSTEM AS NECESSARY

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 LABORATORY SINK INSTALLED ACCORDING TO LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE
( ) 3.05 ACCURATELY + 1/32"
1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.02 SOLDERING EQUIPMENT (TABLE T-3B)
1.03 COPPER TUBING
1.04 BLUEPRINT (SHOP DRAWING)
1.05 SINK
1.06 APPROPRIATE CONNECTORS AND ADAPTERS
1.07 2 INCH CAST IRON PIPE
1.08 TAPPED 2 INCH CAST IRON FITTING IN PARTITION AT PROPER HEIGHT
1.09 VALVES AND FITTINGS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL LABORATORY SINK EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 INSTALL SINK
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 TAP INTO 2 INCH CAST IRON FITTING OF SANITARY DRAINAGE SYSTEM
( ) 2.08 CUT TUBING
( ) 2.09 INSTALL VALVES
( ) 2.10 MAKE CONNECTION TO WASTE PIPE
( ) 2.11 MAKE CONNECTION TO WATER SUPPLY
( ) 2.12 INSPECT OPERATION OF SYSTEM
( ) 2.13 ADJUST SYSTEM AS NECESSARY

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LABORATORY SINK INSTALLED ACCORDING TO LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters, TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE
( ) 3.05 ACCURATELY + 1/32""
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 ACCURATELY + 1/32""
( ) 3.09 PROPERLY ALIGNED
( ) 3.10 WATERTIGHT
( ) 3.11 NEATLY AND WATERTIGHT
( ) 3.12 OPERATING PROPERLY WITH NO LEAKS
( ) 3.13 SYSTEM CONFORMS TO MANUFACTURER'S STANDARDS

113 7/74
1.00 CONDITION

2.00 PERFORMANCE
GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT
GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO. ____________

PROGRAM PLUMBING AND PIPEFITTING

DIVISION 02 FIXTURE INSTALLATION

UNIT .01 TUBS AND SINKS

TERMOB NO. 14-025

1.00 CONDITION

( ) 1.01 SUPPLY AND WASTE LINES ROUGHED IN
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 VANITY UNIT
( ) 1.04 WASH BASIN WITH FAUCETS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL A 4 FOOT VANITY WITH TWO 18" ROUND WASH BASINS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 MAKE CUTS FOR WASH BASINS
( ) 2.04 SET WASH BASINS INTO VANITY
( ) 2.05 SECURE VANITY IN POSITION
( ) 2.06 MAKE CONNECTIONS TO WASTE AND WATER SUPPLY
( ) 2.07 CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 VANITY INSTALLED CONFORMING TO LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY
( ) 3.03 ACCURATELY, ALLOWING FOR RIMS
( ) 3.04 PROPERLY ALIGNED AND SEALED
( ) 3.05 SECURELY. PLUMB AND LEVEL
( ) 3.06 WATERTIGHT
( ) 3.07 NO LEAKS

115
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT (SHOP DRAWING)
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.04 WASH BASIN
( ) 1.05 EXISTING CERAMIC TILE WALL
( ) 1.06 TRAPS AND SUPPLIES TO WALL
( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.08 APPROPRIATE CHROME FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE WASH BASIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CLEAN DRAIN
( ) 2.05 SET WASH BASIN ON CERAMIC TILE
( ) 2.06 CUT TUBING
( ) 2.07 INSTALL TUBING
( ) 2.08 INSTALL VALVES AND FITTINGS
( ) 2.09 MAKE CONNECTION TO WASTE PIPE
( ) 2.10 MAKE CONNECTION TO WATER SUPPLY
( ) 2.11 ADJUST SYSTEM AS NECESSARY
( ) 2.12 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 WASH BASIN REPLACED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 FREE FLOWING
( ) 3.05 LEVEL AND SECURE
( ) 3.06 ACCURATELY + 1/32""
( ) 3.07 ACCURATELY INSURING SOUND JOINT
( ) 3.08 PROPERLY ALIGNED
2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE WASH BASIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CLEAN DRAIN
( ) 2.05 SET WASH BASIN ON CERAMIC TILE
( ) 2.06 CUT TUBING
( ) 2.07 INSTALL TUBING
( ) 2.08 INSTALL VALVES AND FITTINGS
( ) 2.09 MAKE CONNECTION TO WASTE PIPE
( ) 2.10 MAKE CONNECTION TO WATER SUPPLY
( ) 2.11 ADJUST SYSTEM AS NECESSARY
( ) 2.12 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 WASH BASIN REPLACED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 FREE FLOWING
( ) 3.05 LEVEL AND SECURE
( ) 3.06 ACCURATELY + 1/32"
( ) 3.07 ACCURATELY INSURING SOUND JOINT
( ) 3.08 PROPERLY ALIGNED
( ) 3.09 WATERTIGHT
( ) 3.10 NEATLY AND WATERTIGHT
( ) 3.11 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.12 OPERATING PROPERLY WITH NO LEAKS

118

7/74
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO.  

PROGRAM  PLUMBING AND PIPEFITTING  

DIVISION 02  FIXTURE INSTALLATION  

UNIT 01  TUBS AND SINKS  

TERMOB NO.  14-027  

1.00 CONDITION  

( ) 1.01  BLUEPRINT  

( ) 1.02  BASIC PLUMBERS' TOOLS (TABLE T-3)  

( ) 1.03  APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS  

( ) 1.04  BRASS PIPE ROUGH-IN  

( ) 1.05  COPPER TUBING ROUGH-IN  

( ) 1.06  GALVANIZED STEEL PIPE ROUGH-IN  

( ) 1.07  PLASTIC PIPE ROUGH-IN  

( ) 1.08  BATHTUB, FAUCET AND TRIPWASTE  

( ) 1.09  FITTINGS, CONNECTORS, ADAPTERS AS NEEDED  

( ) 1.10  REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)  

( ) 1.11  SOLDERING EQUIPMENT (TABLE T-3B)  

2.00 PERFORMANCE  

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME  

( ) 2.01  INSTALL BATHTUB UNIT EMPLOYING THE FOLLOWING OPERATIONS:  

( ) 2.02  TAKE MEASUREMENTS  

( ) 2.03  SELECT MATERIALS FOR JOB  

( ) 2.04  SET TUB  

( ) 2.05  CUT PIPE  

( ) 2.06  INSTALL PIPE  

( ) 2.07  INSTALL VALVES AND DRAINS  

( ) 2.08  MAKE CONNECTION TO WASTE PIPE  

( ) 2.09  MAKE CONNECTION TO WATER SUPPLY  

( ) 2.10  ADJUST SYSTEM AS NECESSARY  

( ) 2.11  INSPECT OPERATION OF SYSTEM  

3.00 EXTENT  

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME  

( ) 3.01  TUB INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 5 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY  

( ) 3.02  ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES  

( ) 3.03  INSURING SOUND CONSTRUCTION AT ECONOMICAL COST  

( ) 3.04  SECURE WITH PROPER PITCH FOR DRAINAGE  

( ) 3.05  ACCURATELY + 1/32"  

( ) 3.06  ACCURATELY INSURING SOUND JOINT
1.01 BLUEPRINT
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 BRASS PIPE ROUGH-IN
1.05 COPPER TUBING ROUGH-IN
1.06 GALVANIZED STEEL PIPE ROUGH-IN
1.07 PLASTIC PIPE ROUGH-IN
1.08 BATHTUB, FAUCET-AND TRIPWASTE
1.09 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.10 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.11 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL BATHTUB UNIT EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 SET TUB
( ) 2.05 CUT PIPE
( ) 2.06 INSTALL PIPE
( ) 2.07 INSTALL VALVES AND DRAINS
( ) 2.08 MAKE CONNECTION TO WASTE PIPE
( ) 2.09 MAKE CONNECTION TO WATER SUPPLY
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 TUB INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 5 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 SECURE WITH PROPER PITCH FOR DRAINAGE
( ) 3.05 ACCURATELY ± 1/32"
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 WATERTIGHT
( ) 3.09 NEATLY AND WATERTIGHT
( ) 3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.11 OPERATING PROPERLY WITH NO LEAKS

121
7/74
T-62
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO. ____________________________

PROGRAM PLUMBING AND PIPEFITTING

DIVISION 02 FIXTURE INSTALLATION

UNIT 02 TOILETS AND URINALS

TERMOB NO. 14-028

1.00 CONDITION

( ) 1.01 BLUEPRINT
( ) 1.02 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.03 BRASS PIPE ROUGH-IN
( ) 1.04 COPPER TUBING ROUGH-IN
( ) 1.05 GALVANIZED IRON PIPE ROUGH-IN
( ) 1.06 SOIL PIPE ROUGH-IN
( ) 1.07 PLASTIC PIPE ROUGH-IN
( ) 1.08 URINAL
( ) 1.09 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.10 REQUIRED HARDWARE-4TRAPS, HANGERS, ETC.)
( ) 1.11 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL URINAL AND FLUSHOMETER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT PIPES
( ) 2.05 INSTALL PIPE
( ) 2.06 HANG URINAL
( ) 2.07 MAKE CONNECTION TO SOIL BRANCH
( ) 2.08 INSTALL FLUSHOMETER
( ) 2.09 MAKE CONNECTION TO WATER SUPPLY
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 URINAL AND FLUSHOMETER INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 ACCURATELY + 1/32"
1.01 BLUEPRINT
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 BRASS PIPE ROUGH-IN
1.05 COPPER TUBING ROUGH-IN
1.06 GALVANIZED IRON PIPE ROUGH-IN
1.07 SOIL PIPE ROUGH-IN
1.08 PLASTIC PIPE ROUGH-IN
1.09 URINAL
1.10 FLUSHOMETER
1.11 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.12 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.13 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL URINAL AND FLUSHOMETER EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 CUT PIPES
2.05 INSTALL PIPE
2.06 HANG URINAL
2.07 MAKE CONNECTION TO SOIL BRANCH
2.08 INSTALL FLUSHOMETER
2.09 MAKE CONNECTION TO WATER SUPPLY
2.10 ADJUST SYSTEM AS NECESSARY
2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 URINAL AND FLUSHOMETER INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 ACCURATELY + 1/32"
3.05 ACCURATELY INSURING SOUND JOINT
3.06 SECURELY
3.07 WATERTIGHT
3.08 PROPERLY AlIGNED
3.09 NEATLY AND WATERTIGHT
3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
3.11 OPERATING PROPERLY WITH NO LEAKS

124 7/74
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S) __________

DIVISION 02 FIXTURE INSTALLATION
UNIT 02 TOILETS AND URINALS
TERMOB NO. 14-028

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

125
1.00 CONDITION

( ) 1.01. BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 EXISTING URINAL
( ) 1.03 SPECIAL GRAB BARS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL SPECIAL GRAB BAR SUPPORTS FOR HANDICAPPED PEOPLE ON EXISTING URINAL EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 ATTACH GRAB BAR FLANGES TO WALL AND FLOOR
( ) 2.05 TEST CONSTRUCTION

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SPECIAL GRAB BARS INSTALLED WITH REGARD TO WHEELCHAIR DIMENSIONS AND ACCORDING TO ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, ALLOWING MINIMUM WHEELCHAIR CLEARANCE OF 2" ON EACH SIDE

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

( ) 3.04 SECURELY ANCHORED WITH BAR APPROXIMATELY 36" HIGH

( ) 3.05 CAPABLE OF SUPPORTING A PERSON WITH NO DANGER OF COLLAPSE

126
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(s) ____________________________

DIVISION 02 FIXTURE INSTALLATION

UNIT 02 TOILETS AND URINALS

TERMOB NO. 14-029

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

127
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 EXISTING VALVE TYPE TOILET
( ) 1.04 TOILET SEAT LIFT
( ) 1.05 SPECIAL ARM SUPPORTS
( ) 1.06 TOILET SEAT WITH LIFT

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL SPECIAL ARM SUPPORTS FOR HANDICAPPED PERSONS
    ON EXISTING VALVE TYPE TOILET EMPLOYING THE FOLLOWING
    OPERATIONS:

( ) 2.02 SELECT MATERIALS FOR JOB
( ) 2.03 INSTALL TOILET SEAT AND LIFT
( ) 2.04 INSTALL RIGHT AND LEFT ARM SUPPORTS
( ) 2.05 TEST CONSTRUCTION

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 ARM SUPPORTS INSTALLED CONFORMING TO ACCEPTED
    PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF
    EXPERT Raters. TO BE COMPLETED WITHIN 2 HOURS WITH
    EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.03 SECURELY ANCHORED AND WORKING PROPERLY
( ) 3.04 AT PROPER HEIGHT AND SECURELY FASTENED
( ) 3.05 CAPABLE OF SUPPORTING A PERSON WITHOUT DANGER OF
    BREAKING
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
<th>DIVISION 02 FIXTURE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
<td>UNIT 02 TOILETS AND URINALS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TERMOB NO. 14-030</td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

129
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A FIRST FLOOR TOILET
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 BRASS PIPE ROUGH-IN
( ) 1.05 COPPER TUBING ROUGH-IN
( ) 1.06 GALVANIZED STEEL OR WROUGHT IRON PIPE ROUGH-IN
( ) 1.07 SOIL PIPE ROUGH-IN
( ) 1.08 PLASTIC PIPE ROUGH-IN
( ) 1.09 TOILET AND TANK
( ) 1.10 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.11 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.12 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL FLOOR MOUNTED WATER CLOSET EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 SET PROPER FLANGE
( ) 2.05 SET BOWL
( ) 2.06 SET TANK
( ) 2.07 MAKE CONNECTION TO WATER SUPPLY
( ) 2.08 ADJUST SYSTEM AS NECESSARY
( ) 2.09 SET TOILET SEAT

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 FLOOR MOUNTED WATER CLOSET INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 SECURELY
( ) 3.05 SECURELY AND GROUTED WITH WHITE CEMENT
( ) 3.06 SECURE AND PLUMB
( ) 3.07 NEATLY AND WATERPROOF
1.01 BLUEPRINT OF A FIRST FLOOR TOILET
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 BRASS PIPE ROUGH-IN
1.05 COPPER TUBING ROUGH-IN
1.06 GALVANIZED STEEL OR WROUGHT IRON PIPE ROUGH-IN
1.07 SOIL PIPE ROUGH-IN
1.08 PLASTIC PIPE ROUGH-IN
1.09 TOILET AND TANK FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.11 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.12 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

1.01 INSTALL FLOOR MOUNTED WATER CLOSET EMPLOYING THE FOLLOWING OPERATIONS:
2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 SET PROPER FLANGE
2.05 SET BOWL
2.06 SET TANK
2.07 MAKE CONNECTION TO WATER SUPPLY
2.08 ADJUST SYSTEM AS NECESSARY
2.09 SET TOILET SEAT

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 FLOOR MOUNTED WATER CLOSET INSTALLED AND CONFORMS TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 SECURELY
3.05 SECURELY AND GROUTED WITH WHITE CEMENT
3.06 SECURE AND PLUMB
3.07 NEATLY AND WATERTIGHT
3.08 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
3.09 TIGHT AND PROPERLY ALIGNED

131
7/74
T-70
PROGRAM  PLUMBING AND PIPEFITTING

USOE CODE NO(S) 

1.00 CONDITION

DIVISION 02 FIXTURE INSTALLATION
UNIT 02 TOILETS AND URINALS
TERMOB NO. 14-031

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

132
1.00 CONDITION

( ) 1.01 DEFECTIVE DIAPHRAGM FLUSHOMETER
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 MANUFACTURER'S SPECIFICATIONS
( ) 1.04 REQUIRED REPLACEMENT PARTS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR FLUSHOMETER WITH FAULTY INTERNAL PARTS

EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT PARTS
( ) 2.03 REMOVE DEFECTIVE PARTS
( ) 2.04 INSTALL NEW PARTS
( ) 2.05 REASSEMBLE FLUSHOMETER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 FLUSHOMETER IS REPAIRED AND OPERATING PROPERLY TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 PROPER REPLACEMENT PARTS SELECTED
( ) 3.03 WITHOUT DAMAGING UNDAMAGED PARTS
( ) 3.04 IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
( ) 3.05 OPERATING PROPERLY WITH NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

134
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS TOOLS (TABLE T-3)
( ) 1.02 BLUEPRINT OF ONE STORY HOUSE
( ) 1.03 REQUIRED PIPE
( ) 1.04 PIPE HANGING HARDWARE
( ) 1.05 OIL FIRED HEATING UNIT
( ) 1.06 MANUFACTURER'S SPECIFICATIONS
( ) 1.07 CIRCULATING PUMPS
( ) 1.08 CONTROL VALVES

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL HEATING MAINS AND BRANCHES TO RADIATORS
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 LAYOUT AND MEASURE PIPE RUNS
( ) 2.03 INSTALL VALVES AND SPECIAL FITTINGS AROUND BOILER
( ) 2.04 CUT, THREAD AND MAKEUP PIPE
( ) 2.05 CONNECT BRANCHES TO RADIATORS
( ) 2.06 MAKE WATER CONNECTION TO BOILER
( ) 2.07 FILL SYSTEM AND CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PLUMBING IS INSTALLED AND OPERATING PROPERLY TO APPROVAL OF A BOARD OF EXPERT RATERS, TO BE COMPLETED WITHIN 20 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 TO ± 1/8"
( ) 3.03 TO MAINTAIN SPECIFICATIONS
( ) 3.04 CORRECT SIZE PIPE SECURELY HUNG
( ) 3.05 PROPERLY SECURED
( ) 3.06 SECURELY
( ) 3.07 WATERTIGHT

135
PROGRAM: PLUMBING AND PIPEFITTING
USOE CODE NO(S): __________________

MISCE NO. __________________

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

136
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS
( ) 1.02 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETER
( ) 1.03 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.04 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.05 GAS LINE RUN TO LOCATION OF HEATER
( ) 1.06 COLD AND HOT SUPPLY LINES RUN TO LOCATION OF HEATER
( ) 1.07 TEMPERATURE AND PRESSURE RELIEF VALVE
( ) 1.08 VACUUM VALVE
( ) 1.09 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.10 GAS WATER HEATER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ADD A GAS WATER HEATER FOR LAUNDRY FACILITIES EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SET HEATER IN POSITION
( ) 2.03 MEASURE PIPE RUNS
( ) 2.04 SELECT MATERIALS FOR JOB
( ) 2.05 CUT AND REAM PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 RUN PIPE
( ) 2.08 INSTALL VALVES AND SAFETY CONTROLS
( ) 2.09 SEAL JOINTS
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 WATER HEATER INSTALLED AND OPERATING PROPERLY TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 5 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 SECURELY AND PLUMB
( ) 3.03 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES
( ) 3.04 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.05 ACCURATELY + 1/32"
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS
1.02 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETER
1.03 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.04 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.05 GAS LINE RUN TO LOCATION OF WATER
1.06 COLD AND HOT SUPPLY LINES RUN TO LOCATION OF HEATER
1.07 TEMPERATURE AND PRESSURE RELIEF VALVE
1.08 VACUUM VALVE
1.09 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.10 GAS WATER HEATER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 ADD A GAS WATER HEATER FOR LAUNDRY FACILITIES EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SET HEATER IN POSITION
( ) 2.03 MEASURE PIPE RUNS
( ) 2.04 SELECT MATERIALS FOR JOB
( ) 2.05 CUT AND REAM PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 RUN PIPE
( ) 2.08 INSTALL VALVES AND SAFETY CONTROLS
( ) 2.09 SEAL JOINTS
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 WATER HEATER INSTALLED AND OPERATING PROPERLY TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 SECURELY AND PLUMB
( ) 3.03 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES
( ) 3.04 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.05 ACCURATELY + 1/32""'
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY, ALIGNED
( ) 3.08 PROPERLY ALIGNED
( ) 3.09 WATERTIGHT
( ) 3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.11 OPERATING PROPERLY WITH NO LEAKS

138

7/74

T-76
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

139
1.00 CONDITION

( ) 1.01 BLUEPRINT
( ) 1.02 INSTALLED HEATING UNIT
( ) 1.03 CIRCULATION PUMP
( ) 1.04 FLOW CONTROL VALVE
( ) 1.05 AQUASTAT
( ) 1.06 RELIEF VALVE(S)
( ) 1.07 EXPANSION TANK
( ) 1.08 APPROPRIATE LENGTHS OF COPPER AND IRON PIPE OF ASSORTED DIAMETERS
( ) 1.09 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.10 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.11 BASIC PLUMBERS' TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ), 2.01 INSTALL NECESSARY CONTROLS AND EQUIPMENT TO CONVERT AN EXISTING WATER HEATING BOILER FROM GRAVITY TO A FORCED CIRCULATING SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRAIN SYSTEM
( ) 2.05 THREAD PIPE
( ) 2.06 LAY PIPE
( ) 2.07 INSTALL PUMPS, VALVES, TANKS, ETC.
( ) 2.08 SEAL JOINTS
( ) 2.09 REFILL SYSTEM
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CONTROL PLUMBING INSTALLED TO APPROVAL OF A BOARD OF EXPERT Raters. To be completed within 6 hours with each operation judged as satisfactory or unsatisfactory

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
1.00 CONDITION

( ) 1.01 BLUEPRINT
( ) 1.02 INSTALLED HEATING UNIT
( ) 1.03 CIRCULATION PUMP
( ) 1.04 FLOW CONTROL VALVE
( ) 1.05 AQUASTAT
( ) 1.06 RELIEF VALVE(S)
( ) 1.07 EXPANSION TANK
( ) 1.08 APPROPRIATE LENGTHS OF COPPER AND IRON PIPE OF
ASSORTED DIAMETERS
( ) 1.09 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.10 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.11 BASIC PLUMBERS' TOOLS (TABLE T-3)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL NECESSARY CONTROLS AND EQUIPMENT TO CONVERT
AN EXISTING WATER HEATING BOILER FROM GRAVITY TO A
FORCED CIRCULATING SYSTEM EMPLOYING THE FOLLOWING
OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 DRAIN SYSTEM
( ) 2.05 THREAD PIPE
( ) 2.06 LAY PIPE
( ) 2.07 INSTALL PUMPS, VALVES, TANKS, ETC.
( ) 2.08 SEAL JOINTS
( ) 2.09 REFILL SYSTEM
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CONTROL PLUMBING INSTALLED TO APPROVAL OF A BOARD
OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS
WITH EACH OPERATION JUDGED AS SATISFACTORY OR
UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE
WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 COMPLETELY
( ) 3.05 ACCURATELY INSURING SOUND JOINT
( ) 3.06 PROPERLY ALIGNED AND SUPPORTED
( ) 3.07 PROPERLY ALIGNED AND SUPPORTED
( ) 3.08 WATERTIGHT
( ) 3.09 BLEED ALL RADIATORS
( ) 3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.11 OPERATING PROPERLY, NO LEAKS

141

7/74
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BLUEPRINT
( ) 1.02 INSTALLED HEATING UNIT
( ) 1.03 TANKLESS WATER HEATER
( ) 1.04 TEMPERING VALVE, PRESSURE RELIEF VALVE, ETC.
( ) 1.05 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.06 REQUIRED HARDWARE
( ) 1.07 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.08 OPERATING CONTROLS
( ) 1.09 DOMESTIC HOT WATER SUPPLY LINE RUN TO VICINITY OF HEATING UNIT
( ) 1.10 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL TANKLESS HEATER ON EXISTING BOILER
   EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT TUBING
( ) 2.05 THREAD PIPE AS NECESSARY
( ) 2.06 SET TANKLESS WATER HEATER IN POSITION
( ) 2.07 CONNECT COLD WATER SUPPLY TO MIXING VALVE AND TANKLESS HEATER
( ) 2.08 CONNECT HOT WATER OUTLET TO MIXING VALVE
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 TANKLESS HEATER INSTALLED TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH LOCAL CODES AND BLUEPRINT

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 ACCURATELY + 1/8""'
( ) 3.05 ACCURATELY INSURING SOUND JOINT
( ) 3.06 PROPERLY ALIGNED AND SUPPORTED
( ) 3.07 WATERTIGHT
1.01 INSTALLED HEATING UNIT
1.02 TANKLESS WATER HEATER
1.04 TEMPERING VALVE, PRESSURE RELIEF VALVE, ETC.
1.05 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.06 REQUIRED HARDWARE
1.07 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.08 OPERATING CONTROLS
1.09 DOMESTIC HOT WATER SUPPLY LINE RUN TO VICINITY OF HEATING UNIT
1.10 SOLDERING EQUIPMENT (TABLE T-3B)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL TANKLESS HEATER ON EXISTING BOILER
EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 CUT TUBING
2.05 THREAD PIPE AS NECESSARY
2.06 SET TANKLESS WATER HEATER IN POSITION
2.07 CONNECT COLD WATER SUPPLY TO MIXING VALVE AND TANKLESS HEATER
2.08 CONNECT HOT WATER OUTLET TO MIXING VALVE
2.09 ADJUST SYSTEM AS NECESSARY
2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 TANKLESS HEATER INSTALLED TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH LOCAL CODES AND BLUEPRINT
3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 ACCURATELY + 1/8"
3.05 ACCURATELY INSURING SOUND JOINT
3.06 PROPERLY ALIGNED AND SUPPORTED
3.07 WATERTIGHT
3.08 WATERTIGHT
3.09 SYSTEM CONFORMS TO MANUFACTURER’S SPECIFICATIONS
3.10 OPERATING PROPERLY NO LEAKS

144

7/74
PROGRAM PLUMBING AND PIPEFITTING
USOE CODE NO(S) ______________________

MISOE NO. ______________________

DIVISION 02 FIXTURE INSTALLATION
UNIT 03 HEATING UNITS
TERMOB NO. 14-036

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

1.01 BLUEPRINT
1.02 BASIC PLUMBERS TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 TWO INDUSTRIAL BOILERS IN POSITION
1.05 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.06 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.07 TEMPERING AND RELIEF VALVES

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL DOMESTIC HOT WATER LINES IN PARALLEL FROM TWO BOILERS WITH BUILT IN TANKLESS WATER HEATERS TO TEMPERING VALVE ON BOILER ROOM WALL EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 CUT PIPE
2.05 LAY PIPE
2.06 SEAL JOINTS
2.07 MAKE CONNECTION TO WATER SUPPLY
2.08 ADJUST SYSTEM AS NECESSARY
2.09 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 SUPPLY LINES INSTALLED AND CONFORM TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 ACCURATELY + 1/8" 
3.05 PROPERLY ALIGNED
3.06 WATERTIGHT
3.07 NEATLY
3.08 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
3.09 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
<th>DIVISION</th>
<th>02</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
<td>FIXTURE INSTALLATION</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UNIT</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>BOILERS</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>UNIT</td>
<td>04</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TERMOB NO.</td>
<td>14-037</td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

1.01 BLUEPRINT
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 OVERHEAD STEAM MAIN, RETURN LINE THROUGH FLOOR
1.05 STEAM LINES INSTALLED EXTERNAL TO BOILER ROOM
1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.08 CONTROLS VALVES, ETC. (AS NEEDED)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL A FIVE PIPE STEAM COIL BELOW A WINDOW
    EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 INSTALL HANGERS
2.05 CUT FITTINGS INTO MAIN AND RETURN
2.06 CUT, REAM, THREAD AND INSTALL PIPE
2.07 INSTALL VALVE AND TRAP
2.08 MAKE UP COIL
2.09 ADJUST SYSTEM AS NECESSARY
2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 STEAM LINES AND COIL INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 16 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 SECURELY AND PROPERLY ALIGNED
3.05 ACCURATELY INSURING SOUND JOINT
3.06 PROPERLY ALIGNED
3.07 STEAM TIGHT
3.08 NEATLY AND STEAM TIGHT
3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
3.10 OPERATING PROPERLY WITH NO LEAKS USING APPROPRIATE
1.01 BLUEPRINT
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 OVERHEAD STEAM MAIN, RETURN LINE THROUGH FLOOR
1.05 STEAM LINES INSTALLED EXTERNAL TO BOILER ROOM
1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.08 CONTROLS VALVES, ETC. (AS NEEDED)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL A FIVE PIPE STEAM COIL BELOW A WINDOW
   EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 INSTALL HANGERS
( ) 2.05 CUT FITTINGS INTO MAIN AND RETURN
( ) 2.06 CUT, REAM, THREAD AND INSTALL PIPE
( ) 2.07 INSTALL VALVE AND TRAP
( ) 2.08 MAKE UP COIL
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 STEAM LINES AND COIL INSTALLED CONFORMING TO BLUEPRINT,
   LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO
   APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED
   WITHIN 16 HOURS WITH EACH OPERATION JUDGED AS
   SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE
   WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 SECURELY AND PROPERLY ALIGNED
( ) 3.05 ACCURATELY INSURING SOUND JOINT
( ) 3.06 PROPERLY ALIGNED
( ) 3.07 STEAM TIGHT
( ) 3.08 NEATLY AND STEAM TIGHT
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS USING APPROPRIATE
   TEST METHODS

149
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

150
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS

( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

( ) 1.04 EXISTING COPPER TUBING SYSTEM

( ) 1.05 BLACK IRON PIPE EXISTING SYSTEM

( ) 1.06 BASEBOARD RADIATION UNITS

( ) 1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

( ) 1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

( ) 1.09 SOLDERING EQUIPMENT (TABLE T-3B)

( ) 1.10 MANUFACTURER'S SPECIFICATIONS

( ) 1.11 TWO FIRST FLOOR ROOMS SEPARATED BY A PARTITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL CAST IRON BASEBOARD RADIATION IN A HOUSE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS

( ) 2.03 SELECT MATERIALS FOR JOB

( ) 2.04 EXPOSE EXISTING HEATING MAINS

( ) 2.05 DRAIN SYSTEM

( ) 2.06 CUT FITTINGS INTO HEATING MAINS AND VALVE OFF BRANCHES

( ) 2.07 LAY RADIATION UNITS

( ) 2.08 SEAL JOINTS

( ) 2.09 MAKE CONNECTION TO WATER SUPPLY

( ) 2.10 ADJUST SYSTEM AS NECESSARY

( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BASEBOARD RADIATION INSTALLED CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

( ) 3.04 SUFFICIENT ACCESS WITH MINIMUM DAMAGE

( ) 3.05 NEATLY LESS THAN 1/8" OVERSIZE
VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS

1.01

BASIC PLUMBERS' TOOLS (TABLE T-3)

1.02

APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

1.03

EXISTING COPPER TUBING SYSTEM

1.04

BLACK IRON PIPE EXISTING SYSTEM

1.05

BASEBOARD RADIATION UNITS

1.06

FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

1.07

REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

1.08

SOLDERING EQUIPMENT (TABLE T-3B)

1.09

MANUFACTURER'S SPECIFICATIONS

1.10

TWO FIRST FLOOR ROOMS SEPARATED BY A PARTITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL CAST IRON BASEBOARD RADIATION IN A HOUSE EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS

2.03 SELECT MATERIALS FOR JOB

2.04 EXPOSE EXISTING HEATING MAINS

2.05 DRAIN SYSTEM

2.06 CUT FITTINGS INTO HEATING MAINS AND VALVE OFF BRANCHES

2.07 LAY RADIATION UNITS

2.08 SEAL JOINTS

2.09 MAKE CONNECTION TO WATER SUPPLY

2.10 ADJUST SYSTEM AS NECESSARY

2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 BASEBOARD RADIATION INSTALLED CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

3.04 SUFFICIENT ACCESS WITH MINIMUM DAMAGE

3.05 NEATLY LESS THAN 1/8" OVERSIZE

3.06 ACCURATELY + 1/32"

3.07 PROPERLY ALIGNED

3.08 NEATLY AND WATERTIGHT

3.09 NEATLY AND WATERTIGHT

3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS

3.11 OPERATING PROPERLY WITH NO LEAKS

152

7/74

T-86
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

153
MISOE NO. __________________________

PROGRAM Plumbing and Pipefitting

DIVISION 02 Fixture Installation

UNIT 05 Radiators

TERMOB NO. 14-040

1.00 CONDITION

( ) 1.01 Blueprint

( ) 1.02 Basic Plumbers' Tools (Table T-3)

( ) 1.03 Appropriate Lengths of Pipe of Assorted Diameters

( ) 1.04 Galvanized Iron Pipe Rough-In

( ) 1.05 Steam Radiator Manufacturer's Specifications

( ) 1.06 Fittings, Connectors, Adapters as Needed

( ) 1.07 Required Hardware (Straps, Hangers, etc.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 Install a steam radiator employing the following operations:

( ) 2.02 Take Measurements

( ) 2.03 Select Materials for Job

( ) 2.04 Cut Pipe

( ) 2.05 Thread Pipe

( ) 2.06 Seal Joints

( ) 2.07 Make Connection to Steam Supply

( ) 2.08 Adjust System as Necessary

( ) 2.09 Inspect Operation of System

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 Radiator installed conforming to blueprint and accepted techniques to approval of a board of expert raters. To be completed within 3 hours with each operation judged as satisfactory or unsatisfactory

( ) 3.02 Accurately insuring sound construction and conformance with blueprint and local codes

( ) 3.03 Insuring sound construction at economical cost

( ) 3.04 Accurately ± 1/8"

( ) 3.05 Accurately insuring sound joint

( ) 3.06 Neatly and watertight

( ) 3.07 Neatly and watertight

( ) 3.08 System conforms to manufacturer's specifications

( ) 3.09 Operating properly with no leaks
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S) ________________________________

DIVISION 02 FIXTURE INSTALLATION

UNIT 05 RADIATORS

TERMNO NO. 14-040

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

155
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS OF A GARBAGE DISPOSAL
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 EXISTING KITCHEN SINK
( ) 1.05 GARBAGE DISPOSAL UNIT
( ) 1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.08 MANUFACTURER'S SPECIFICATIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ADD A GARBAGE DISPOSAL TO EXISTING SINK WASTE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT PIPE
( ) 2.05 THREAD OR SOLDER PIPE
( ) 2.06 INSTALL DISPOSAL
( ) 2.07 SEAL JOINTS
( ) 2.08 ADJUST SYSTEM AS NECESSARY
( ) 2.09 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 GARBAGE DISPOSAL INSTALLED CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 3 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 ACCURATELY "+ 1/32"
( ) 3.05 ACCURATELY INSURING SOUND JOINT
( ) 3.06 PROPERLY ALIGNED
( ) 3.07 NEATLY AND WATERTIGHT
( ) 3.08 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.09 OPERATING PROPERLY WITH NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

157
1.00 CONDITION

( ) 1.01 BLUEPRINT OF A VERTICAL STORAGE TANK FOR A GROUND WELL INSTALLATION
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04 GALVANIZED IRON PIPE ROUGH-IN FROM WELL
( ) 1.05 200 GALLON STORAGE TANK
( ) 1.06 RELIEF AND CONTROL VALVES
( ) 1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL VERTICAL STORAGE TANK FOR A-GROUND WELL EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIAL FOR JOB
( ) 2.04 SET TANK
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 INSTALL PIPE AND VALVES
( ) 2.08 SEAL JOINTS
( ) 2.09 MAKE CONNECTION TO WATER SUPPLY PIPES FROM STRUCTURE
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 STORAGE TANK INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE ON SOLID FOUNDATION
( ) 3.05 ACCURATELY + 1/32"
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 PROPERLY ALIGNED
( ) 3.08 NEATLY AND WATERTIGHT
( ) 3.09 NEATLY AND WATERTIGHT
1.01 BLUEPRINT OF A VERTICAL STORAGE TANK FOR A GROUND WELL INSTALLATION

1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

1.04 GALVANIZED IRON PIPE ROUGH-IN FROM WELL

1.05 200 GALLON STORAGE TANK

1.06 RELIEF AND CONTROL VALVES

1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL VERTICAL STORAGE TANK FOR A GROUND WELL

2.02 TAKE MEASUREMENTS

2.03 SELECT MATERIAL FOR JOB

2.04 SET TANK

2.05 CUT PIPE

2.06 THREAD PIPE

2.07 INSTALL PIPE AND VALVES

2.08 SEAL JOINTS

2.09 MAKE CONNECTION TO WATER SUPPLY PIPES FROM STRUCTURE

2.10 ADJUST SYSTEM AS NECESSARY

2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 STORAGE TANK INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

3.04 LEVEL AND SECURE ON SOLID FOUNDATION

3.05 ACCURATELY + 1/32"

3.06 ACCURATELY INSURING SOUND JOINT

3.07 PROPERLY ALIGNED

3.08 NEATLY AND WATERTIGHT

3.09 NEATLY AND WATERTIGHT

3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS

3.11 OPERATING PROPERLY WITH NO LEAKS

159
PROGRAM  PLUMBING AND  PIPEFITTING
USOE CODE NO(S) __________________________

DIVISION 02  FIXTURE INSTALLATION
UNIT 07  TANKS
TERM OB NO. 14-042

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

160
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 OLD TANK (NEARLY EMPTY)
( ) 1.03 NEW TANK
( ) 1.04 STEEL PIPE
( ) 1.05 C. I. FITTINGS
( ) 1.06 BLUEPRINT (SHOP DRAWING) OF 275 GALLON OIL TANK
FOR BASEMENT INSTALLATION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE 275 GALLON OIL TANK IN BASEMENT EMPLOYING
THE FOLLOWING OPERATIONS:

( ) 2.02 DRAIN OLD TANK
( ) 2.03 REMOVE OLD TANK
( ) 2.04 TAKE MEASUREMENTS
( ) 2.05 SELECT MATERIALS FOR JOB
( ) 2.06 CUT PIPE
( ) 2.07 THREAD PIPE
( ) 2.08 MAKE CONNECTIONS TO NEW TANK AND OIL BURNER
( ) 2.09 REPLACE DRAINED OIL IN TANK
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 OIL TANK REPLACED CONFORMING TO LOCAL CODES AND
ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD
OF EXPERT RATERS. TO BE COMPLETED WITHIN 6 HOURS
WITH EACH OPERATION JUDGED AS SATISFACTORY OR
UNSATISFACTORY

( ) 3.02 EMPTY AS POSSIBLE; DRAINED OIL REMOVED FROM VICINITY
( ) 3.03 WITH MINIMUM SPILLAGE AND MAXIMUM CAUTION
( ) 3.04 ACCURATELY INSURING SOUND CONSTRUCTION
( ) 3.05 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.06 ACCURATELY + 1/32"
( ) 3.07 ACCURATELY INSURING SOUND JOINT
( ) 3.08 NEATLY, PROPERLY ALIGNED
( ) 3.09 CAREFULLY, NEATLY
( ) 3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.11 OPERATING PROPERLY, NO LEAKS
1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.02 OLD TANK (NEARLY EMPTY)
1.03 NEW TANK
1.04 STEEL PIPE
1.05 C. I. FITTINGS
1.06 BLUEPRINT (SHOP DRAWING) OF 275 GALLON OIL TANK
   FOR BASEMENT INSTALLATION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 REPLACE 275 GALLON OIL TANK IN BASEMENT EMPLOYING
   THE FOLLOWING OPERATIONS:
   ( ) 2.02 DRAIN OLD TANK
   ( ) 2.03 REMOVE OLD TANK
   ( ) 2.04 TAKE MEASUREMENTS
   ( ) 2.05 SELECT MATERIALS FOR JOB
   ( ) 2.06 CUT PIPE
   ( ) 2.07 THREAD PIPE
   ( ) 2.08 MAKE CONNECTIONS TO NEW TANK AND OIL BURNER
   ( ) 2.09 REPLACE DRAINED OIL IN TANK
   ( ) 2.10 ADJUST SYSTEM AS NECESSARY
   ( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 OIL TANK REPLACED CONFORMING TO LOCAL CODES AND
   ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD
   OF EXPERT RATER'S. TO BE COMPLETED WITHIN 6 HOURS
   WITH EACH OPERATION JUDGED AS SATISFACTORY OR
   UNSATISFACTORY
   ( ) 3.02 EMPTY AS POSSIBLE, DRAINED OIL REMOVED FROM VICINITY
   ( ) 3.03 WITH MINIMUM SPILLAGE AND MAXIMUM CAUTION
   ( ) 3.04 ACCURATELY INSURING SOUND CONSTRUCTION
   ( ) 3.05 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
   ( ) 3.06 ACCURATELY + 1/32"
   ( ) 3.07 ACCURATELY INSURING SOUND JOINT
   ( ) 3.08 NEATLY, PROPERLY ALIGNED
   ( ) 3.09 CAREFULLY, NEATLY
   ( ) 3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
   ( ) 3.11 OPERATING PROPERLY, NO LEAKS

162
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

163
MISOE NO. 

PROGRAM  PLUMBING AND PIPEFITTING

DIVISION 02  FIXTURE INSTALLATION

UNIT 07  TANKS

TERMOB NO. 14-044

1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.03 COPPER TUBING
( ) 1.04 OVERHEAD STORAGE TANK IN HORIZONTAL POSITION
( ) 1.05 HEAT EXCHANGER
( ) 1.06 TEMPERATURE AND PRESSURE RELIEF VALVES
( ) 1.07 THERMAL CONTROLS
( ) 1.08 MANUFACTURER'S SPECIFICATIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 SIZE AND CONNECT ALL PIPING, VALVES AND SAFETY DEVICES FROM A 30 GALLON OVERHEAD, HORIZONTAL STORAGE TANK TO A HEAT EXCHANGER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT PROPER MATERIALS
( ) 2.04 CUT TUBING
( ) 2.05 INSTALL TUBING AND SAFETY DEVICES
( ) 2.06 CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PIPING VALVES AND SAFETY DEVICES INSTALLED TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMING TO LOCAL CODES AND DESIGN SPECIFICATIONS

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 ACCURATELY + 1/32"
( ) 3.05 PIPING IS PROPERLY ALIGNED, SUPPORTED AND WATERTIGHT
( ) 3.06 NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIVISION 02</th>
<th>FIXTURE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING AND</td>
<td>UNIT 07</td>
<td>TANKS</td>
</tr>
<tr>
<td>PIPEFITTING</td>
<td>TERMOB NO. 14-044</td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

165
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS OF CIRCULATION LINE, THERMOMETER AND AQUASTAT

( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

( ) 1.04 COPPER TUBING (EXISTING SYSTEM)

( ) 1.05 CIRCULATING PUMP

( ) 1.06 AQUASTAT

( ) 1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

( ) 1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC)

( ) 1.09 THERMOMETER

( ) 1.10 SOLDERING EQUIPMENT (TABLE T-3B)

( ) 1.11 MANUFACTURER'S SPECIFICATIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ADD CIRCULATION LINE, THERMOMETER AND AQUASTAT TO AN EXISTING HOT WATER LINE TO INSURE INSTANT HOT WATER AT DISTANT LOCATION EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS

( ) 2.03 SELECT MATERIALS FOR JOB

( ) 2.04 EXPOSE EXISTING PLUMBING

( ) 2.05 CUT TUBING

( ) 2.06 INSTALL PUMP

( ) 2.07 INSTALL TUBING

( ) 2.08 INSTALL AQUASTAT AND THERMOMETER

( ) 2.09 SEAL JOINTS

( ) 2.10 MAKE CONNECTION TO WATER SUPPLY

( ) 2.11 ADJUST SYSTEM AS NECESSARY

( ) 2.12 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CIRCULATION LINE, THERMOMETER AND AQUASTAT INSTALLED CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS AND LOCAL CODES

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND
SPECIFICATIONS OF CIRCULATION LINE, THERMOMETER
AND AQUASTAT
1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 COPPER TUBING (EXISTING SYSTEM)
1.05 CIRCULATING PUMP
1.06 AQUASTAT
1.07 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.08 REQUIRED HARDWARE (STRAPS, HANGERS, ETC)
1.09 THERMOMETER
1.10 SOLDERING EQUIPMENT (TABLE T-3B)
1.11 MANUFACTURER'S SPECIFICATIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 ADD CIRCULATION LINE, THERMOMETER AND AQUASTAT TO AN
EXISTING HOT WATER LINE TO INSURE INSTANT HOT WATER AT
DISTANT LOCATION EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 EXPOSE EXISTING PLUMBING
2.05 CUT TUBING
2.06 INSTALL PUMP
2.07 INSTALL TUBING
2.08 INSTALL AQUASTAT AND THERMOMETER
2.09 SEAL JOINTS
2.10 MAKE CONNECTION TO WATER SUPPLY
2.11 ADJUST SYSTEM AS NECESSARY
2.12 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 CIRCULATION LINE, THERMOMETER AND AQUASTAT INSTALLED
CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES AND
ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF
EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH
EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE
WITH VERBAL INSTRUCTIONS AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 SUFFICIENT ACCESS WITH MINIMUM DAMAGE
3.05 ACCURATELY + 1/32"
3.06 SECURE AND WATERTIGHT
3.07 PROPERLY ALIGNED AND SECURED
3.08 SECURE AND WATERTIGHT
3.09 NEATLY AND WATERTIGHT
3.10 NEATLY AND WATERTIGHT
3.11 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
3.12 OPERATING PROPERLY WITH NO LEAKS

167

T-98
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S) 

DIVISION 02  FIXTURE INSTALLATION
UNIT 08  PUMPS
TERMOB NO. 14-045

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

168
MISOE NO. ______________

PROGRAM PLUMBING AND PIPEFITTING DIVISION 02 FIXTURE INSTALLATION

UNIT 08 PUMPS

TERMNO NO. 14-046

1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS FOR REPLACING CIRCULATOR
( ) 1.03 CIRCULATOR
( ) 1.04 GATE VALVES
( ) 1.05 CIRCULATE REFILL SYSTEM

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE CIRCULATOR ON HOT WATER BOILER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 DRAIN SYSTEM
( ) 2.03 TAKE MEASUREMENTS
( ) 2.04 SELECT MATERIALS FOR JOB
( ) 2.05 CUT BACK RETURN LINES
( ) 2.06 INSTALL GATE VALVES
( ) 2.07 INSTALL CIRCULATOR
( ) 2.08 REFILL SYSTEM
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CIRCULATOR REPLACED CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES, AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT-RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 COMPLETELY DRAINED OF WATER
( ) 3.03 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMING TO LOCAL CODES
( ) 3.04 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.05 ACCURATELY ALLOWING PROPER INSTALLATION OF GATE VALVES
( ) 3.06 PROPERLY ALIGNED, WATERTIGHT
( ) 3.07 PROPERLY ALIGNED, WATERTIGHT
( ) 3.08 COMPLETELY PURGED OF AIR
( ) 3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.10 OPERATING PROPERLY, NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO. 171

PROGRAM  PLUMBING AND PIPEFITTING

DIVISION 02  FIXTURE INSTALLATION
UNIT 08  PUMPS
TERMOB NO. 14-047

1.00 CONDITION

( ) 1.01  BLUEPRINT FOR INSTALLATION OF PUMP IN 30 FOOT WELL
( ) 1.02  BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03  APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
( ) 1.04  COPPER TUBING
( ) 1.05  GALVANIZED IRON PIPE
( ) 1.06  PLASTIC PIPE ROUGH-IN
( ) 1.07  SUBMERSIBLE PUMP
( ) 1.08  FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.09  REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.10  SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.11  EXISTING 30 FOOT WELL

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01  INSTALL A PUMP IN A 30 FOOT WELL EMPLOYING THE FOLLOWING OPERATIONS:
( ) 2.02  TAKE MEASUREMENTS
( ) 2.03  SELECT MATERIALS FOR JOB
( ) 2.04  CUT pipe
( ) 2.05  THREAD PIPE AS NECESSARY
( ) 2.06  LAY PIPE
( ) 2.07  INSTALL PUMP
( ) 2.08  SEAL JOINTS
( ) 2.09  MAKE CONNECTION TO WATER SUPPLY
( ) 2.10  ADJUST SYSTEM AS NECESSARY
( ) 2.11  INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01  PUMP IS INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
( ) 3.02  ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03  INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04  ACCURATELY + 1/32"
( ) 3.05  ACCURATELY INSURING SOUND JOINT
( ) 3.06  PROPERLY AlIGNED
1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS
1.04 COPPER TUBING
1.05 GALVANIZED IRON PIPE
1.06 PLASTIC PIPE ROUGH-IN
1.07 SUBMERSIBLE PUMP
1.08 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.09 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
1.10 SOLDERING EQUIPMENT (TABLE T-3B)
1.11 EXISTING 30 FOOT WELL

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL A PUMP IN A 30 FOOT WELL EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 CUT PIPE
2.05 THREAD PIPE AS NECESSARY
2.06 LAY PIPE
2.07 INSTALL PUMP
2.08 SEAL JOINTS
2.09 MAKE CONNECTION TO WATER SUPPLY
2.10 ADJUST SYSTEM AS NECESSARY
2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 PUMP IS INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 ACCURATELY + 1/32"
3.05 ACCURATELY INSURING SOUND JOINT
3.06 PROPERLY ALIGNED
3.07 PROPERLY SECURED
3.08 NEATLY AND WATERTIGHT
3.09 NEATLY AND WATERTIGHT
3.10 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
3.11 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DIVISION</th>
<th>02</th>
<th>FIXTURE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>UNIT</td>
<td>08</td>
<td>PUMPS</td>
</tr>
<tr>
<td>TERMOB NO.</td>
<td>14-047</td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

173
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS AS TO LOCATIONS, CONDITIONS AND SPECIFICATIONS FOR ADDING PRESSURE REGULATOR TO EXISTING DISHWASHER

( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

( ) 1.04 EXISTING COPPER TUBING SUPPLY LINES

( ) 1.05 EXISTING OPERATIONAL COMMERCIAL DISHWASHER

( ) 1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

( ) 1.07 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

( ) 1.08 SOLDERING EQUIPMENT (TABLE T-3B)

( ) 1.09 MANUFACTURER'S SPECIFICATIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ADD PRESSURE REGULATOR TO AN EXISTING DISHWASHER RINSE LINE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS

( ) 2.03 SELECT MATERIALS FOR JOB

( ) 2.04 CUT TUBING

( ) 2.05 INSTALL PRESSURE REGULATOR

( ) 2.06 SEAL JOINTS

( ) 2.07 ADJUST SYSTEM AS NECESSARY

( ) 2.08 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PRESSURE REGULATOR INSTALLED CONFORMING TO VERBAL INSTRUCTIONS, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERs. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH VERBAL INSTRUCTIONS, LOCAL CODES AND MANUFACTURER'S SPECIFICATIONS

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

( ) 3.04 ACCURATELY + 1/32"

( ) 3.05 PROPERLY ATTACHED AND SECURED

( ) 3.06 NEATLY AND WATERTIGHT

( ) 3.07 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS

( ) 3.08 OPERATING PROPERLY WITH NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

175
1.00 CONDITION

( ) 1.01 BLUEPRINT FOR INSTALLATION OF CONTROL PIPING BETWEEN WATER MAIN AND FIRE SPRINKLER

( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

( ) 1.04 GALVANIZED IRON PIPE

( ) 1.05 CONTROL VALVES

( ) 1.06 8" WATER MAIN

( ) 1.07 EXISTING FIRE SPRINKLER SYSTEM

( ) 1.08 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

( ) 1.09 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL CONTROL PIPING BETWEEN WATER MAIN AND FIRE SPRINKLER MAIN BRANCH EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS

( ) 2.03 SELECT MATERIALS FOR JOB

( ) 2.04 CUT PIPE

( ) 2.05 THREAD PIPE

( ) 2.06 INSTALL PIPE AND CONTROL VALVES

( ) 2.07 SEAL JOINTS

( ) 2.08 MAKE CONNECTION TO SPRINKLER SYSTEM

( ) 2.09 ADJUST SYSTEM AS NECESSARY

( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 CONTROL PIPING INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

( ) 3.04 ACCURATELY + 1/32"

( ) 3.05 ACCURATELY INSURING SOUND JOINT

( ) 3.06 PROPERLY ALIGNED AND SECURED

( ) 3.07 NEATLY AND WATERTIGHT

( ) 3.08 NEATLY AND WATERTIGHT
1.01 BLUEPRINT FOR INSTALLATION OF CONTROL PIPING BETWEEN WATER MAIN AND FIRE SPRINKLER

1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)

1.03 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

1.04 GALVANIZED IRON PIPE

1.05 CONTROL VALVES

1.06 8" WATER MAIN

1.07 EXISTING FIRE SPRINKLER SYSTEM

1.08 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED

1.09 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL CONTROL PIPING BETWEEN WATER MAIN AND FIRE SPRINKLER MAIN BRANCH EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS

2.03 SELECT MATERIALS FOR JOB

2.04 CUT PIPE

2.05 THREAD PIPE

2.06 INSTALL PIPE AND CONTROL VALVES

2.07 SEAL JOINTS

2.08 MAKE CONNECTION TO SPRINKLER SYSTEM

2.09 ADJUST SYSTEM AS NECESSARY

2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 CONTROL PIPING INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES

3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST

3.04 ACCURATELY + 1/32"

3.05 ACCURATELY INSURING SOUND JOINT

3.06 PROPERLY ALIGNED AND SECURED

3.07 NEATLY AND WATERTIGHT

3.08 NEATLY AND WATERTIGHT

3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS

3.10 OPERATING PROPERLY WITH NO LEAKS

177
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIVISION 02 FIXTURE INSTALLATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING AND PIPEFITTING</td>
<td>UNIT 09 VALVES</td>
</tr>
<tr>
<td>USOE CODE NO(S)</td>
<td>TERMOB NO. 14-049</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

178
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 3/4" PIPE
( ) 1.03 GAS DRYER
( ) 1.04 BASEMENT
( ) 1.05 VENT THROUGH WOOD SIDING (FLEXIBLE VENT HOSE)
( ) 1.06 VERBAL INSTRUCTIONS AS TO LOCATION, CONDITIONS AND SPECIFICATIONS FOR INSTALLING GAS DRYER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL GAS DRYER IN BASEMENT WITH 3/4" GAS LINE AT CEILING 20 FEET AWAY EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TURN OFF GAS
( ) 2.03 TAKE MEASUREMENTS
( ) 2.04 SELECT MATERIALS FOR JOB
( ) 2.05 CUT PIPE
( ) 2.06 THREAD PIPE
( ) 2.07 MAKE CONNECTIONS
( ) 2.08 MAKE HOLE FOR VENT
( ) 2.09 INSTALL VENT HOSE
( ) 2.10 TURN ON GAS
( ) 2.11 ADJUST SYSTEM AS NECESSARY
( ) 2.12 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 GAS DRYER INSTALLED IN BASEMENT ACCORDING TO LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 NO LEAKS
( ) 3.03 ACCURATELY, INSURING SOUND CONSTRUCTION
( ) 3.04 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.05 ACCURATELY + 1/32"
( ) 3.06 ACCURATELY INSURING SOUND JOINT
( ) 3.07 NEATLY, NO LEAKS
( ) 3.08 NEATLY AND ACCURATELY
( ) 3.09 CONNECTIONS MADE PROPERLY AND NEATLY
1.01 BASIC PLUMBERS' TOOLS (TABLE T-3) 
1.02 3/4" PIPE 
1.03 GAS DRYER 
1.04 BASEMENT 
1.05 VENT THROUGH WOOD SIDING (FLEXIBLE VENT HOSE) 
1.06 VERBAL INSTRUCTIONS AS TO LOCATION, CONDITIONS AND 
SPECIFICATIONS FOR INSTALLING GAS DRYER 

2.00 PERFORMANCE 

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME 
( ) 2.01 INSTALL GAS DRYER IN BASEMENT WITH 3/4" GAS LINE AT 
CEILING 20 FEET AWAY EMPLOYING THE FOLLOWING 
OPERATIONS: 
( ) 2.02 TURN OFF GAS 
( ) 2.03 TAKE MEASUREMENTS 
( ) 2.04 SELECT MATERIALS FOR JOB 
( ) 2.05 CUT PIPE 
( ) 2.06 THREAD PIPE 
( ) 2.07 MAKE CONNECTIONS 
( ) 2.08 MAKE HOLE FOR VENT 
( ) 2.09 INSTALL VENT HOSE 
( ) 2.10 TURN ON GAS 
( ) 2.11 ADJUST SYSTEM AS NECESSARY 
( ) 2.12 INSPECT OPERATION OF SYSTEM 

3.00 EXTENT 

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME 
( ) 3.01 GAS DRYER INSTALLED IN BASEMENT ACCORDING TO LOCAL 
CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL 
OF A BOARD OF EXPERT RATERS. TO BE COMPLETED 
WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS 
SATISFACTORY OR UNSATISFACTORY 
( ) 3.02 NO LEAKS 
( ) 3.03 ACCURATELY, INSURING SOUND CONSTRUCTION 
( ) 3.04 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST 
( ) 3.05 ACCURATELY ± 1/32" 
( ) 3.06 ACCURATELY INSURING SOUND JOINT 
( ) 3.07 NEATLY, NO LEAKS 
( ) 3.08 NEATLY AND ACCURATELY 
( ) 3.09 CONNECTIONS MADE PROPERLY AND NEATLY 
( ) 3.10 ON FULL 
( ) 3.11 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS 
( ) 3.12 OPERATING PROPERLY
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

181
1.00 CONDITION

() 1.01 WATER SUPPLY LINES WITH 3 TO 5 LEAKS
() 1.02 CAPS AND PLUGS
() 1.03 HYDROSTATIC PUMP
() 1.04 PRESSURE GAUGE
() 1.05 WATER UNDER PRESSURE
() 1.06 BASIC PLUMBERS' TOOLS (TABLE T-3)
() 1.07 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

() 2.01 CHECK WATER SUPPLY SYSTEM FOR LEAKS USING HYDROSTATIC TEST EMPLOYING THE FOLLOWING OPERATIONS:

() 2.02 SEAL RISERS AND OPENINGS
() 2.03 APPLY WATER PRESSURE
() 2.04 RELEASE TRAPPED AIR
() 2.05 LOCATE LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

() 3.01 LEAKS IN WATER SUPPLY LINES LOCATED TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

() 3.02 WATERTIGHT
() 3.03 50 POUNDS CAREFULLY MONITORED
() 3.04 NO AIR POCKETS REMAIN IN PIPES
() 3.05 ALL LEAKS LOCATED
PROGRAM PLUMBING AND PIPEFITTING
USOE CODE NO(S)

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 01 LEAKS
TERMNO NO. 14-051

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

183
1.00 CONDITION

( ) 1.01 NEW PLUMBING DRAINAGE SYSTEM WITH FIXTURES AND TRAPS INSTALLED
( ) 1.02 PEPPERMINT OIL
( ) 1.03 BOILING WATER
( ) 1.04 CAPS AND PLUGS
( ) 1.05 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.06 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 CHECK NEW PLUMBING DRAINAGE SYSTEM FOR LEAKS USING PEPPERMINT TEST EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 ADD PEPPERMINT OIL TO SYSTEM
( ) 2.03 ADD BOILING WATER
( ) 2.04 SEAL OPENING
( ) 2.05 LOCATE LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LEAKS IN DRAINAGE SYSTEM LOCATED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 CORRECT AMOUNT FOR SYSTEM SIZE THROUGH ROOF STACK
( ) 3.03 THROUGH MAIN STACK PROJECTING THROUGH ROOF. MINIMUM 5 GALLONS
( ) 3.04 AIRTIGHT
( ) 3.05 ALL LEAKS LOCATED
MISOE NO. 

PROGRAM  PLUMBING AND PIPEFITTING
USOE CODE NO(S) 

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 01 LEAKS
TERMUB NO. 14-052

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

185
1.00 CONDITION

( ) 1.01 WATER SUPPLY LINES WITH 3 TO 5 LEAKS
( ) 1.02 AIR PUMP
( ) 1.03 MERCURY COLUMN
( ) 1.04 CAPS AND PLUGS
( ) 1.05 SOAPY WATER
( ) 1.06 LINSEED OIL
( ) 1.07 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.08 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 CHECK WATER SUPPLY SYSTEM FOR LEAKS USING LOW PRESSURE AIR TEST EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SEAL RISERS AND OPENINGS
( ) 2.03 ADD AIR TO SYSTEM
( ) 2.04 TIME PRESSURE CHANGE
( ) 2.05 LOCATE LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LEAKS IN WATER SUPPLY/LINES LOCATED TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 AIRTIGHT
( ) 3.03 50 POUNDS
( ) 3.04 ACCURATE RATE OBTAINED. NO SUBSTANTIAL DROP
( ) 3.05 ALL LEAKS LOCATED
PROGRAM: PLUMBING AND PIPEFITTING
USOE CODE NO(S): 
UNIT: 01
TERMOB NO: 14-053

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

187
1.00 CONDITION

( ) 1.01 WASTE SYSTEM WITH 1 TO 5 LEAKS
( ) 1.02 PLUGS AND CAPS
( ) 1.03 SMOKE MACHINE WITH AIR PUMP
( ) 1.04 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.05 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 CHECK WASTE SYSTEM FOR LEAKS USING SMOKE TEST
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SEAL ALL OPENINGS
( ) 2.03 CONNECT SMOKE MACHINE
( ) 2.04 GENERATE SMOKE
( ) 2.05 LOCATE LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LEAKS IN WASTE SYSTEM LOCATED TO APPROVAL OF A BOARD
OF EXPERT Raters. TO BE COMPLETED WITHIN 3 HOURS
WITH EACH OPERATION JUDGED AS SATISFACTORY OR
UNSATISFACTORY

( ) 3.02 PIPES SEALED AIRtight WITH PLUGS OR CAPS, TRAPS
FILLED WITH WATER
( ) 3.03 AT CONVENIENT POINT
( ) 3.04 OBSERVING ALL SAFETY PRECAUTIONS
( ) 3.05 ALL LEAKS LOCATED

188
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>PLUMBING AND PIPEFITTING</th>
<th>DIVISION 03</th>
<th>REPAIR AND MAINTENANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
<td>UNIT 01</td>
<td>LEAKS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>TERMOB NO. 14-054</td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

189
1.00 CONDITION

( ) 1.01 WATER SUPPLY LINES WITH 3 TO 5 LEAKS
( ) 1.02 AIR PUMP
( ) 1.03 GAUGE
( ) 1.04 CAPS AND PLUGS
( ) 1.05 SOAPY WATER
( ) 1.06 LINSEED OIL
( ) 1.07 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.08 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

<table>
<thead>
<tr>
<th>GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME</th>
</tr>
</thead>
<tbody>
<tr>
<td>( ) 2.01 CHECK WATER SUPPLY SYSTEM FOR LEAKS USING HIGH</td>
</tr>
<tr>
<td>PRESSURE AIR TEST EMPLOYING THE FOLLOWING OPERATIONS:</td>
</tr>
<tr>
<td>( ) 2.02 SEAL RISERS AND OPENINGS</td>
</tr>
<tr>
<td>( ) 2.03 INSTALL GAUGE</td>
</tr>
<tr>
<td>( ) 2.04 ADD AIR TO SYSTEM</td>
</tr>
<tr>
<td>( ) 2.05 TIME PRESSURE CHANGE</td>
</tr>
<tr>
<td>( ) 2.06 LOCATE LEAKS</td>
</tr>
</tbody>
</table>

3.00 EXTENT

<table>
<thead>
<tr>
<th>GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME</th>
</tr>
</thead>
<tbody>
<tr>
<td>( ) 3.01 LEAKS IN WATER SUPPLY LINES LOCATED TO APPROVAL OF</td>
</tr>
<tr>
<td>BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH</td>
</tr>
<tr>
<td>EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY</td>
</tr>
<tr>
<td>( ) 3.02 AIRTIGHT</td>
</tr>
<tr>
<td>( ) 3.03 AIRTIGHT</td>
</tr>
<tr>
<td>( ) 3.04 THREE TIMES WORKING PRESSURE. 125 PSI MINIMUM</td>
</tr>
<tr>
<td>( ) 3.05 ACCURATE RATE OBTAINED</td>
</tr>
<tr>
<td>( ) 3.06 ALL LEAKS LOCATED</td>
</tr>
</tbody>
</table>

190
MISOE NO.

PROGRAM  PLUMBING AND DIVISION 03  REPAIR AND MAINTENANCE
USOE CODE NO(S) PIPEFITTING UNIT 01  LEAKS

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

191
1.00 CONDITION

( ) 1.01 NEW WASTE SYSTEM ROUGH IN WITH AT LEAST 10 FEET OF VERTICAL PIPE ABOVE HIGHEST JOINT TO BE TESTED

( ) 1.02 'CAPS AND PLUGS

( ) 1.03 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.04 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 CHECK WASTE SYSTEM ROUGH IN FOR LEAKS USING WATER TEST EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SEAL ALL OPENINGS

( ) 2.03 FILL SYSTEM WITH WATER

( ) 2.04 ALLOW TIME FOR OAKUM TO SWELL AND SEAL JOINTS

( ) 2.05 REFILL SYSTEM

( ) 2.06 MEASURE WATER DROP

( ) 2.07 LOCATE LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LEAKS IN WASTE SYSTEM, IF ANY, LOCATED TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 14 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 WATERTIGHT

( ) 3.03 TO 10 FEET ABOVE HIGHEST JOINT TO BE TESTED

( ) 3.04 12 TO 24 HOURS

( ) 3.05 TO 10 FEET ABOVE HIGHEST JOINT TO BE TESTED

( ) 3.06 TO NEAREST 1/4 INCH, LESS THAN 4 INCHES IN 30 MINUTES INDICATES NO LEAKS

( ) 3.07 ALL LEAKS LOCATED 192
PROGRAM PLUMBING AND DIVISION 03 REPAIR AND MAINTENANCE PIPEFITTING LEAKS

USOE CODE NO(S) 01

TERMOB NO. 14-056

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

193
1.00 CONDITION

1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.02 WATER SUPPLY SYSTEM WITH 1-10 LEAKS OF VARIOUS TYPES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
1.03 CRACKED PIPE
1.04 CRACKED FIXTURE
1.05 IMPROPERLY SEALED JOINT
1.06 PUNCHED HOLE
1.07 BURST PIPE
1.08 IRON CEMENT
1.09 SHEET METAL
1.10 CLAMPS
1.11 RUBBER PAD
1.12 WOODEN PLUG
1.13 SHEET METAL SCREWS
1.14 PIPE CLAMP
1.15 RUBBER TAPE
1.16 PLASTIC TUBING
1.17 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
2.01 MAKE TEMPORARY REPAIRS IN PIPES USING APPROPRIATE METHOD FOR TYPE OF LEAK EMPLOYING THE FOLLOWING OPERATIONS:

2.02 SHUT OFF WATER
2.03 RELIEVE PRESSURE IN SYSTEM
2.04 REPAIR LEAK WITH IRON CEMENT
2.05 REPAIR LEAK WITH RUBBER PAD
2.06 REPAIR LEAK WITH WOODEN PLUG
2.07 REPAIR LEAK WITH SHEET METAL SCREWS
2.08 REPAIR LEAK WITH RUBBER TAPE
2.09 REPAIR LEAK WITH PIPE CLAMP
2.10 REPAIR LEAK WITH PLASTIC TUBING
2.11 TEST FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
3.01 TEMPORARY REPAIRS MADE AND LEAKS STOPPED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY
1.02 WATER SUPPLY SYSTEM WITH 1-10 LEAKS OF VARIOUS TYPES INCLUDING BUT NOT LIMITED TO THE FOLLOWING:

1.03 CRACKED PIPE
1.04 CRACKED FIXTURE
1.05 IMPROPERLY SEALED JOINT
1.06 PUNCHED HOLE
1.07 BURST PIPE
1.08 IRON CEMENT
1.09 SHEET METAL
1.10 CLAMPS
1.11 RUBBER PAD
1.12 WOODEN PLUG
1.13 SHEET METAL SCREWS
1.14 PIPE CLAMP
1.15 RUBBER TAPE
1.16 PLASTIC TUBING
1.17 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 MAKE TEMPORARY REPAIRS IN PIPES USING APPROPRIATE METHOD FOR TYPE OF LEAK EMPLOYING THE FOLLOWING OPERATIONS:

2.02 SHUT OFF WATER
2.03 RELIEVE PRESSURE IN SYSTEM
2.04 REPAIR LEAK WITH IRON CEMENT
2.05 REPAIR LEAK WITH RUBBER PAD
2.06 REPAIR LEAK WITH WOODEN PLUG
2.07 REPAIR LEAK WITH SHEET METAL SCREWS
2.08 REPAIR LEAK WITH RUBBER TAPE
2.09 REPAIR LEAK WITH PIPE CLAMP
2.10 REPAIR LEAK WITH PLASTIC TUBING
2.11 TEST FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 TEMPORARY REPAIRS MADE AND LEAKS STOPPED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 NO PRESSURE SUPPLIED TO SYSTEM
3.03 LATENT PRESSURE RELIEVED
3.04 HOLE CLEANED AND SEALED WATERTIGHT
3.05 PAD CLAMPED WATERTIGHT
3.06 PLUG DRIVEN IN TIGHTLY
3.07 SCREW SEALS HOLE WATERTIGHT
3.08 TAPE SEALS HOLE WATERTIGHT
3.09 CLAMP SEALS HOLE WATERTIGHT
3.10 DAMAGED SECTION REPLACED AND SEALED WATERTIGHT
3.11 NO LEAKS

195
T-122

7/74
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS TOOLS (TABLE T-3)
( ) 1.02 LEAKING CAST IRON SOIL PIPE
( ) 1.03 CAULKING COMPOUND
( ) 1.04 LEADING EQUIPMENT (TABLE T-3A)
( ) 1.05 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR LEAK IN CAST IRON SOIL PIPE JOINT EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 REMOVE LEAD AND OAKUM FROM JOINT
( ) 2.03 DRAIN WATER
( ) 2.04 APPLY HEAT TO JOINT
( ) 2.05 RECAULK JOINT

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LEAK IN CAST IRON SOIL PIPE IS REPAIRED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 JOINT IS CLEAN
( ) 3.03 BELOW LEVEL OF LEAKING JOINT
( ) 3.04 MOISTURE REMOVED
( ) 3.05 WATERTIGHT

197
PROGRAM: PLUMBING AND PIPEFITTING
USOE CODE NO(S):

DIVISION: 03. REPAIR AND MAINTENANCE
UNIT: 01 LEAKS
TERMOR NO: 14-058

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

198
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 LEAK IN CAST IRON FITTING CAUSED BY SANDHOLE OR CRACK
( ) 1.03 CAULKING COMPOUND
( ) 1.04 LEADING EQUIPMENT (TABLE T-3A)
( ) 1.05 KAFFER FITTING
( ) 1.06 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE FAULTY CAST IRON FITTING EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 MEASURE LENGTH OF REPLACEMENT AND KAFFER FITTINGS
( ) 2.03 CUT OUT FAULTY FITTING AND PIPE
( ) 2.04 INSTALL REPLACEMENT AND KAFFER FITTINGS
( ) 2.05 PACK, POUR AND CAULK JOINTS
( ) 2.06 CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 FAULTY FITTING REPLACED TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY
( ) 3.03 WITHOUT DAMAGING OTHER SECTIONS OF DRAIN
( ) 3.04 TIGHTLY, PROPERLY ALIGNED
( ) 3.05 NEATLY
( ) 3.06 NO LEAKS

199
PROGRAM PLUMBING AND PIPEFITTING
USOE CODE NO(S) ____________________________

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 01 LEAKS
TERMOB NO. 14-059

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

200
1.00 CONDITION

( ) 1.01 3/4" HOT WATER PIPE OR JOINT THAT LEAKS
( ) 1.02 IRON PIPE
( ) 1.03 BRASS PIPE
( ) 1.04 COPPER TUBING
( ) 1.05 PLASTIC PIPE
( ) 1.06 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.07 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.08 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR LEAK IN 3/4" HOT WATER SUPPLY LINE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TURN OFF WATER
( ) 2.03 DRAIN PIPE
( ) 2.04 REMOVE DEFECTIVE PIPE, JOINT
( ) 2.05 INSTALL NEW PIPE, JOINT
( ) 2.06 CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LEAK REPAIRED TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 PRESSURE RELIEVED
( ) 3.03 COMPLETELY
( ) 3.04 WITHOUT DAMAGE TO OTHER PIPES, JOINTS
( ) 3.05 WATERTIGHT
( ) 3.06 NO LEAKS
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S) ____________

DIVISION 03 REPAIR AND MAINTENANCE

UNIT 01 LEAKS

TERMOB NO. 14-060

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

202
1.00 CONDITION

( ) 1.01 20' IRON WASTE PIPE WITH LEAK WHICH CANNOT BE REMOVED, REPLACED OR RETHEADED

( ) 1.02 WELDING EQUIPMENT (TABLE T-3C)

( ) 1.03 APPROPRIATE LENGTHS OF PIPE

( ) 1.04 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.05 VERBAL INSTRUCTIONS.

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE A SEGMENT OF IRON WASTE PIPE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CUT OUT SEGMENT THAT LEAKS

( ) 2.03 WELD NEW SEGMENT

( ) 2.04 TEST SYSTEM FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 LEAK REPAIRED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 NEATLY, OBSERVING ALL SAFETY PRECAUTIONS

( ) 3.03 WATERTIGHT

( ) 3.04 USING ACCEPTED TEST METHOD

203
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

204
1.00 CONDITION

( ) 1.01 CRACKED WATER STORAGE TANK
( ) 1.02 WELDING EQUIPMENT (TABLE T-3C)
( ) 1.03 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.04 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR LEAK IN WATER STORAGE TANK EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 DRAIN TANK
( ) 2.03 VENT TANK
( ) 2.04 WELD CRACK
( ) 2.05 TEST TANK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 TANK REPAIRED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 COMPLETELY
( ) 3.03 NO COMBUSTIBLE GASES
( ) 3.04 NEATLY, WATERTIGHT, OBSERVING ALL SAFETY PRECAUTIONS
( ) 3.05 NO LEAKS

205
PROGRAM PLUMBING AND PIPEFITTING
USOE CODE NO(S) 
MISOE NO.

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 01 LEAKS
TERMOD NO. 14-062

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

206
1.00 CONDITION

( ) 1.01 SHOWER TEMPERING VALVE, WITH LEAK
( ) 1.02 BASIC PLUMBERS TOOLS (TABLE T-3)
( ) 1.03 MANUFACTURER'S SPECIFICATIONS
( ) 1.04 REQUIRED REPLACEMENT PARTS
( ) 1.05 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR DEFECTIVE SHOWER TEMPERING VALVE EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT PARTS
( ) 2.03 EXPOSE INTERNAL PARTS
( ) 2.04 REMOVE DEFECTIVE PARTS
( ) 2.05 INSTALL NEW PARTS
( ) 2.06 REASSEMBLE TEMPERING VALVE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DEFECTIVE TEMPERING VALVE IS REPAIRED AND OPERATING PROPERLY TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 CORRECT REPLACEMENT PARTS SELECTED
( ) 3.03 SUFFICIENT ACCESS OBTAINED WITH MINIMUM DAMAGE TO WALLS
( ) 3.04 WITHOUT DAMAGING UNDAMAGED PARTS
( ) 3.05 IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
( ) 3.06 OPERATING PROPERLY WITH NO LEAKS

207
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

208
1.00 CONDITION

( ) 1.01 TWO FAMILY HOUSE WITH WATER HAMMER DUE TO UNSPECIFIED CAUSES
( ) 1.02 COPPER SYSTEM
( ) 1.03 BRASS SYSTEM
( ) 1.04 EXPOSED GALVANIZED OR WROUGHT IRON SYSTEM
( ) 1.05 HAMMER CONTROLS, AIR CHAMBERS
( ) 1.06 VALVES, REGULATORS
( ) 1.07 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.08 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.09 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ELIMINATE WATER HAMMER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 DETERMINE CAUSE OF HAMMER
( ) 2.03 SELECT MATERIALS
( ) 2.04 INSTALL CONTROLS, AIR CHAMBERS, VALVES, REGULATORS
( ) 2.05 CHECK FOR HAMMER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 HAMMER ELIMINATED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY USING SOUND, LOGICAL METHODS
( ) 3.03 TO CORRECT PROBLEM AT ECONOMICAL COST
( ) 3.04 IN PROPER LOCATION, WATERTIGHT
( ) 3.05 NO HAMMER
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

210
1.00 CONDITION

( ) 1.01 BASIC PLUMBER'S TOOLS (TABLE T-3)
( ) 1.02 HOT WATER BRANCH LINE WITH PUMP CIRCULATING HOT WATER, SUPPLYING 2 WASHING MACHINES AND COMMERCIAL DISHWASHER WITH A SEVERE WATER HAMMER
( ) 1.03 COPPER SYSTEM
( ) 1.04 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.05 HAMMER CONTROLS/AIR CHAMBERS
( ) 1.06 VALVES/REGULATORS
( ) 1.07 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 ELIMINATE WATER HAMMER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 DETERMINE CAUSE OF HAMMER
( ) 2.03 SELECT MATERIALS
( ) 2.04 INSTALL CONTROLS/AIR CHAMBERS/VALVES/REGULATORS
( ) 2.05 CHECK FOR HAMMER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 HAMMER ELIMINATED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, USING SOUND LOGICAL METHODS
( ) 3.03 TO CORRECT PROBLEM AT ECONOMICAL COST
( ) 3.04 IN PROPER LOCATION
( ) 3.05 NO HAMMER
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIVISION 03</th>
<th>MISOE NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING AND</td>
<td>REPAIR AND MAINTENANCE</td>
<td></td>
</tr>
<tr>
<td>PIPEFITTING</td>
<td>UNIT 02</td>
<td></td>
</tr>
<tr>
<td>USOE CODE NO(S)</td>
<td>WATER HAMMER</td>
<td></td>
</tr>
<tr>
<td></td>
<td>TERMOB NO. 14-065</td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

212
1.00 CONDITION

( ) 1.01 CLOGGED SEWER MAIN
( ) 1.02 SAFETY HARNESS
( ) 1.03 POWER DRIVEN SEWER SNAKE
( ) 1.04 GAS TESTER
( ) 1.05 PICK AXE
( ) 1.06 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.07 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 FREE CLOGGED SEWER MAIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 OPEN MANHOLE
( ) 2.03 TEST FOR GASES
( ) 2.04 INSERT FLEXIBLE SHAFT AND CLEANING ATTACHMENT
( ) 2.05 WORK SHAFT INTO BLOCKAGE
( ) 2.06 FREE OBSTRUCTION
( ) 2.07 REPLACE MANHOLE COVER

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SEWER MAIN FREED OF BLOCKAGE TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 CAREFULLY
( ) 3.03 NO EXPLOSIVE GASES, PRESENCE OF BREATHABLE OXYGEN
( ) 3.04 WITH NO POWER APPLIED
( ) 3.05 SLOWLY
( ) 3.06 CONTINUING THROUGH OR PULLING STOPPAGE OUT
( ) 3.07 PROPERLY SET 213
MISOE NO.

PROGRAM    PLUMBING AND PIPEFITTING
USOE CODE NO(S)__________

DIVISION 03  REPAIR AND MAINTENANCE
UNIT 03  BLOCKAGE
TERMOB NO. 14-066

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

214
MISEO NO.  

PROGRAM  PLUMBING AND PIPEFITTING  
DIVISION 03 REPAIR AND MAINTENANCE  
UNIT 03 BLOCKAGE  
TERMNO NO. 14-067  

1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 CLOGGED STACK BUILDING DRAIN
( ) 1.03 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 UNBLOCK STACK BUILDING DRAIN OR BUILDING SEWER
EMPLYING THE FOLLOWING OPERATIONS:

( ) 2.02 CHECK CLEANOUTS
( ) 2.03 DISLODGE CLOG WORKING SNAKES FROM HIGH SIDE
( ) 2.04 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DRAIN/SEWER UNBLOCKED TO APPROVAL OF A BOARD OF EXPERT RATERS.
TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 LOCATING CLEANOUT JUST AHEAD OF CLOG
( ) 3.03 DRAIN FREE-FLOWING
( ) 3.04 OPERATING PROPERLY

215
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 CLOGGED TRAP
( ) 1.02 TOILET
( ) 1.03 SINK/TUB
( ) 1.04 WIRE
( ) 1.05 CHEMICALS
( ) 1.06 FORCE CUP
( ) 1.07 SINK SNARE
( ) 1.08 GARDEN HOSE
( ) 1.09 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.10 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 FREE CLOGGED WASTE SYSTEM EMPLOYING ONE OR MORE OF THE FOLLOWING OPERATIONS:

( ) 2.02 REMOVE CLEANOUT PLUG AND CLEAR TRAP
( ) 2.03 USE FORCE CUP
( ) 2.04 USE CHEMICALS
( ) 2.05 USE BENT WIRE
( ) 2.06 USE SINK SNARE
( ) 2.07 USE GARDEN HOSE WITH BACKFLOW PREVENTER
( ) 2.08 USE POWER SNARE
( ) 2.09 REMOVE SEGMENTS OF WASTE SYSTEM AND CLEAN

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 STOPPAGE CLEARED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 SYSTEM CLEARED IF PLUG AVAILABLE
( ) 3.03 SYSTEM CLEARED
( ) 3.04 SYSTEM CLEARED
( ) 3.05 SYSTEM CLEARED
( ) 3.06 SYSTEM CLEARED
( ) 3.07 SYSTEM CLEARED. NO BACK FLOW
( ) 3.08 SYSTEM CLEARED
( ) 3.09 SYSTEM CLEARED
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 SUPPLY LINE WITH POOR WATER PRESSURE DUE TO SILT
( ) 1.02 AIR PUMP
( ) 1.03 WATER PUMP
( ) 1.04 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.05 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 RESTORE CITY PRESSURE TO SUPPLY LINES EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 DRAIN SYSTEM
( ) 2.03 REMOVE ALL FAUCET STRAINERS
( ) 2.04 CLOSE ALL OUTLET VALVES IN STRUCTURE
( ) 2.05 SUPPLY WATER OR AIR AT WATER MAIN INLET
( ) 2.06 OPEN VALVES
( ) 2.07 FLUSH SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 CITY PRESSURE RESTORED AT OUTLETS TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 COMPLETELY TO WATER MAIN
( ) 3.03 COMPLETELY, NO DAMAGE TO FIXTURES
( ) 3.04 COMPLETELY
( ) 3.05 FULLY USING CITY PRESSURE, PUMP OR AIR
( ) 3.06 LOWERMOST VALVES FIRST
( ) 3.07 THOROUGHLY
<table>
<thead>
<tr>
<th><strong>PROGRAM</strong></th>
<th>PLUMBING AND PIPEFITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USOE CODE NO(S)</strong></td>
<td></td>
</tr>
<tr>
<td><strong>DIVISION</strong></td>
<td>03</td>
</tr>
<tr>
<td><strong>REPAIR AND MAINTENANCE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>UNIT</strong></td>
<td>04</td>
</tr>
<tr>
<td><strong>PRESSURE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>TERMJOB NO.</strong></td>
<td>14-069</td>
</tr>
<tr>
<td><strong>1.00 CONDITION</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>2.00 PERFORMANCE</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>3.00 EXTENT</strong></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME</strong></td>
<td></td>
</tr>
</tbody>
</table>

220
1.00 CONDITION

( ) 1.01 SECOND FLOOR COLD WATER SUPPLY LINE WITH INADEQUATE PRESSURE DUE TO INCORRECT DIAMETER PIPE

( ) 1.02 COPPER SYSTEM

( ) 1.03 SOLDERING EQUIPMENT (TABLE T-3B)

( ) 1.04 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.05 APPROPRIATE LENGTHS OF PIPE OF ASSORTED DIAMETERS

( ) 1.06 FITTINGS/CONNECTORS/ADAPTERS AS NEEDED

( ) 1.07 VALVES, REGULATORS AS NEEDED

( ) 1.08 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 IMPROVE COLD WATER PRESSURE IN SECOND FLOOR SINK EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 REMOVE PIPE/FITTINGS OF INCORRECT SIZE

( ) 2.03 INSTALL VALVES AND/OR REGULATORS

( ) 2.04 INSTALL PROPER SIZE COPPER TUBING

( ) 2.05 CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 WATER PRESSURE IMPROVED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 8 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 CAREFULLY WITHOUT DAMAGING SURROUNDING PLUMBING

( ) 3.03 PROPER LOCATION

( ) 3.04 PROPERLY JOINED

( ) 3.05 WATERTIGHT, NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 FIRST FLOOR DRAIN THAT BACKS UP WITH WATER FROM SECOND FLOOR
( ) 1.02 CAST IRON WASTE STACK
( ) 1.03 COPPER WASTE BRANCH
( ) 1.04 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.05 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.06 VALVES
( ) 1.07 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 CORRECT BACKUP IN FIRST FLOOR SINK EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 REMOVE WASTE ARM FROM FIRST FLOOR SINK
( ) 2.03 PLUG FITTING IN WASTE STACK
( ) 2.04 CUT WYE FITTING INTO HORIZONTAL DRAIN IN BASEMENT
( ) 2.05 INSTALL NEW DRAIN AND CONTINUOUS VENT FOR FIRST FLOOR SINK
( ) 2.06 CONNECT VENT TO STACK ABOVE SECOND FLOOR SINK
( ) 2.07 CONNECT WASTE ARM TO FIRST FLOOR SINK
( ) 2.08 TEST SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BACKUP CORRECTED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 TO AVOID WET VENTING OF THIS FIXTURE
( ) 3.03 COMPLETELY
( ) 3.04 PROPER ANGLE
( ) 3.05 PROPER PITCH AND CLEANOUTS
( ) 3.06 3 FEET ABOVE FLOOR
( ) 3.07 COMPLETELY
( ) 3.08 NO LEAKS OR BACKUP
PROGRAM PLUMBING AND PIPEFITTING

USOE CODE NO(S) ________________________________

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 05 BACKUP
TERMNO NO. 14-071

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

224
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 15 FEET OF FROZEN PIPE WITH ONE VALVE AND TWO ELBOWS
( ) 1.03 BOILING WATER
( ) 1.04 RUBBER HOSE
( ) 1.05 FUNNEL
( ) 1.06 SODIUM HYDROXIDE
( ) 1.07 TORCH
( ) 1.08 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 THAW FROZEN PIPES EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 APPLY HEAT
( ) 2.03 APPLY BOILING WATER
( ) 2.04 APPLY SODIUM HYDROXIDE
( ) 2.05 OPERATE SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 PIPES THAWED TO APPROVAL OF BOARD OF EXPERT Raters.
TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION
JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 WITH CAUTION UNTIL PIPES THAW
( ) 3.03 UNTIL PIPES THAW
( ) 3.04 WITH EXTREME CAUTION
( ) 3.05 PROPERLY OPERATING
1.00 CONDITION

2.00 PERFORMANCE

   GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

   GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 15 FOOT LENGTHS OF HOT AND COLD WATER/STEAM PIPES TO BE COVERED

( ) 1.02 SELECTION OF PIPE COVERING

( ) 1.03 ADHESIVES

( ) 1.04 BASIC PLUMBERS' TOOLS (TABLE T-3)

( ) 1.05 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSULATE PIPES/VALVES AND FITTINGS EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT INSULATION MATERIAL

( ) 2.03 INSTALL INSULATION ON PIPES

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PIPES INSULATED TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ECONOMICAL COST TO PRODUCE ADEQUATE RESULTS

( ) 3.03 NEATLY, COMPLETELY COVERED

227
<table>
<thead>
<tr>
<th>Program</th>
<th>Plumbing and Pipefitting</th>
<th>Division</th>
<th>03</th>
<th>Repair and Maintenance</th>
</tr>
</thead>
<tbody>
<tr>
<td>USOE Code No(s)</td>
<td></td>
<td>Unit</td>
<td>06</td>
<td>Thermal Protection and Maintenance</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Termob N.</td>
<td></td>
<td>14-073</td>
</tr>
</tbody>
</table>

1.00 Condition

2.00 Performance

General Statement of Performance and Resulting Outcome

3.00 Extent

General Statement of Extent and Extent of Resulting Outcome

228
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 FROZEN COPPER OR STEEL PIPE
( ) 1.03 TRANSFORMER OR GENERATOR
( ) 1.04 CABLES
( ) 1.05 CLAMPS
( ) 1.06 SANDPAPER
( ) 1.07 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 THAW FROZEN PIPES EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 ISOLATE FROZEN SECTION OF PIPE
( ) 2.03 CLEAN ENDS OF PIPE
( ) 2.04 MAKE ELECTRICAL CONNECTIONS
( ) 2.05 GENERATE HEAT FROM ELECTRICITY
( ) 2.06 OPERATE SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PIPES THAWED TO APPROVAL OF BOARD OF EXPERT RATERs.
TO BE COMPLETED WITHIN 2 HOURS WITH EACH OPERATION
JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 FROM ALL OTHER PLUMBING
( ) 3.03 TO BARE METAL
( ) 3.04 "GOOD" CONNECTIONS
( ) 3.05 CAREFULLY MONITORING FLOW
( ) 3.06 OPERATING PROPERLY
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

230
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 HOUSE PLUMBING SYSTEM
( ) 1.03 RUBBER HOSE
( ) 1.04 ETHYLENE GLYCOL
( ) 1.05 SUCTION PUMP
( ) 1.06 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 WINTERIZE PLUMBING SYSTEM EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SHUT OFF WATER SERVICE
( ) 2.03 REMOVE WATER METER
( ) 2.04 OPEN ALL FAUCETS
( ) 2.05 REMOVE ALL SHUT OFF STEMS
( ) 2.06 DRAIN ALL TRAPS
( ) 2.07 DRAIN AND DRY ALL TOILET TANKS
( ) 2.08 DRAIN ALL STORAGE TANKS
( ) 2.09 DRAIN HEATING SYSTEM
( ) 2.10 FILL ALL TAPS WITH ANTIFREEZE

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PLUMBING SYSTEM WINTERIZED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 COMPLETELY
( ) 3.03 CAREFULLY
( ) 3.04 COMPLETELY
( ) 3.05 TIE TO SHUT OFFS
( ) 3.06 COMPLETELY
( ) 3.07 COMPLETELY
( ) 3.08 COMPLETELY
( ) 3.09 COMPLETELY
( ) 3.10 FULL TO PREVENT ENTRY OF SEWER GAS

231
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

232
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 BLUEPRINT (SHOP DRAWING)
( ) 1.03 PEDESTAL WASH BASIN
( ) 1.04 CENTER SET
( ) 1.05 PLUG AND OVERFLOW
( ) 1.06 APPROPRIATE CHROME CONNECTORS AND ADAPTERS
( ) 1.07 APPROPRIATE LENGTHS OF PIPE
( ) 1.08 VALVES AND FITTINGS
( ) 1.09 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME
( ) 2.01 INSTALL CENTER SET ON PEDESTAL WASH BASIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 CUT PIPE
( ) 2.05 INSTALL VALVES AND DRAIN
( ) 2.06 MAKE CONNECTION TO WASTE PIPE
( ) 2.07 MAKE CONNECTION TO WATER SUPPLY
( ) 2.08 ADJUST SYSTEM AS NECESSARY
( ) 2.09 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
( ) 3.01 CENTER SET INSTALLED TO APPROVAL OF BOARD OF EXPERT Raters. To be completed within 1 1/2 hours with each operation judged as satisfactory or unsatisfactory

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION ACCORDING TO ACCEPTED PLUMBING TECHNIQUES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 ACCURATELY + 1/32"
( ) 3.05 PROPERLY AlIGNED
( ) 3.06 WATERTIGHT
( ) 3.07 NEATLY AND WATERTIGHT
( ) 3.08 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.09 OPERATING PROPERLY WITH NO LEAKS

233
<table>
<thead>
<tr>
<th><strong>PROGRAM</strong></th>
<th>PLUMBING AND PIPEFITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>USOE CODE NO(S)</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>DIVISION</strong></th>
<th>03</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>REPAIR AND MAINTENANCE</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>UNIT</strong></th>
<th>07</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FAUCETS</strong></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>TERMNO NO.</strong></th>
<th>14-076</th>
</tr>
</thead>
</table>

### 1.00 CONDITION

### 2.00 PERFORMANCE

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**

### 3.00 EXTENT

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**

234
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS
( ) 1.02 BALL TYPE SINGLE LEVER FAUCET
( ) 1.03 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.04 REPAIR KIT ALLOWING COMPLETE REPLACEMENT OF: ADJUSTING RING, CAM ASSEMBLY, BALL, SEAT ASSEMBLY, "O" RINGS AND DIVERTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR LEAKING BALL TYPE SINGLE LEVER FAUCET EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 LOCATE CAUSE OF LEAK
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 INSTALL APPROPRIATE PARTS
( ) 2.05 ADJUST SYSTEM AS NECESSARY
( ) 2.06 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BALL TYPE FAUCET REPAIRED ACCORDING TO ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ALL PARTS INSPECTED AND ALL MALFUNCTIONING PARTS ACCOUNTED FOR

( ) 3.03 INSURING PROPER OPERATION AT ECONOMICAL COST
( ) 3.04 ACCURATELY, ALL PARTS FUNCTIONING PROPERLY
( ) 3.05 SYSTEM CONFORMS TO MANUFACTURER'S STANDARDS
( ) 3.06 OPERATING PROPERLY WITH NO LEAKS
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

236
MISOE NO. ____________________________

PROGRAM PLUMBING AND PIPEFITTING

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 07 FAUCETS
TERMNO NO. 14-078

1.00 CONDITION

( ) 1.01 BASIC Plumbers' TOOLS (Table T-3)
( ) 1.02 EXISTING SINK WITH COMPRESSION TYPE FAUCET
( ) 1.03 SINGLE LEVER FAUCET
( ) 1.04 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE COMPRESSION TYPE FAUCET WITH SINGLE LEVER FAUCET EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 REMOVE OLD FAUCET
( ) 2.03 INSTALL NEW FAUCET
( ) 2.04 CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 NEW FAUCET INSTALLED TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 NEATLY, NO DAMAGE TO EXISTING PIPE
( ) 3.03 PROPERLY SEATED AND WATERTIGHT
( ) 3.04 NO LEAKS

237
PROGRAM PLUMBING AND PIPEFITTING
USOE CODE NO(S) __________________________

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 07 FAUCETS
TERMOS NO. 14-078

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO. ____________________________

PROGRAM PLUMBING AND PIPEFITTING

DIVISION 03 REPAIR AND MAINTENANCE

UNIT 07 FAUCETS

TERMOB NO. 14-079

1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 LAUNDRY FAUCET WHICH DRIPS AND LEAKS FROM STUFFING BOX
( ) 1.03 ASSORTED WASHERS
( ) 1.04 VERBAL INSTRUCTIONS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR DRIPPING LAUNDRY FAUCET EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SHUT OFF WATER
( ) 2.03 REMOVE SPINDLE ASSEMBLY
( ) 2.04 REPLACE FAUCET WASHER
( ) 2.05 REPLACE BIB WASHER
( ) 2.06 REASSEMBLE FAUCET
( ) 2.07 CHECK FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 FAUCET REPAIRED TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 COMPLETELY
( ) 3.03 CAREFULLY
( ) 3.04 PROPER SIZE PROPERLY SEATED
( ) 3.05 PROPER SIZE PROPERLY SEATED
( ) 3.06 SECURELY
( ) 3.07 NO LEAKS

239
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

240
MISOE NO. ____________________

PROGRAM PLUMBING AND PIPEFITTING

DIVISION 03 REPAIR AND MAINTENANCE

UNIT 08 TOILETS

TERMNO NO. 14-080

1.00 CONDITION

( ) 1.01 BASIC PLUMBER’S TOOLS (TABLE T-3)
( ) 1.02 BALLCOCK ASSEMBLY
( ) 1.03 EXISTING CLOSE COUPLE WATER CLOSET
( ) 1.04 Verbal Instructions

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE BALLCOCK IN A CLOSE COUPLE WATER CLOSET
EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SHUT OFF WATER AND DRAIN TANK
( ) 2.03 REMOVE BALLCOCK ASSEMBLY
( ) 2.04 DETACH FLOAT ARM
( ) 2.05 INSTALL NEW BALLCOCK
( ) 2.06 TEST FOR LEAKS

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BALLCOCK REPLACED TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 COMPLETELY
( ) 3.03 CAREFULLY
( ) 3.04 CAREFULLY
( ) 3.05 PROPERLY SEATED AND SEALED
( ) 3.06 NO LEAKS

241
<table>
<thead>
<tr>
<th>MISOE NO.</th>
<th>PROGRAM</th>
<th>USEO CODE NO(S)</th>
<th>DIVISION</th>
<th>UNIT</th>
<th>REPAIR AND MAINTENANCE</th>
<th>UNIT</th>
<th>TOILETS</th>
<th>TERMOB NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PLUMBING AND</td>
<td></td>
<td>03</td>
<td>08</td>
<td>REPAIR AND MAINTENANCE</td>
<td>08</td>
<td>TOILETS</td>
<td>14–080</td>
</tr>
<tr>
<td></td>
<td>PIPEFITTING</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

242
1.00 CONDITION

( ) 1.01 Verbal Instructions
( ) 1.02 Basic Plumbers' Tools (Table T-3)
( ) 1.03 Wall Hung Tank
( ) 1.04 Lift, Guide Wires, Guide Arm, Tank Ball
( ) 1.05 Tank Valve

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 Replace Tank Valve and Flush Ell in Wall Hung Tank
Employing the following operations:

( ) 2.02 Shut Off Water
( ) 2.03 Select Materials for Job
( ) 2.04 Remove Old Tank Valve
( ) 2.05 Remove Old Flush Ell
( ) 2.06 Install New Tank Valve
( ) 2.07 Install New Flush Ell (Including Lift, Guide Wires, Guide Arm and Tank Ball)
( ) 2.08 Adjust System as Necessary
( ) 2.09 Inspect Operation of System

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 New Valve and Flush Ell Installed According to Accepted Plumbing Techniques to Approval of a Board of Expert Raters. To Be Completed Within 3 Hours with Each Operation Judged as Satisfactory or Unsatisfactory

( ) 3.02 No Leaks
( ) 3.03 Insuring Proper Operation at Economical Cost
( ) 3.04 Completely Removed, Setting Clean
( ) 3.05 Completely Removed, Area Clean
( ) 3.06 Properly Aligned, No Leaks
( ) 3.07 Working Properly, Properly Aligned
( ) 3.08 System Conforms to Manufacturer's Specifications
( ) 3.09 Operating Properly With No Leaks
PROGRAM PLUMBING AND PIPEFITTING

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS’ TOOLS (TABLE T-3)
( ) 1.02 VERBAL INSTRUCTIONS
( ) 1.03 GAS WATER HEATER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 CLEAN BURNER, PILOT ASSEMBLY AND CHAMBER IN GAS WATER HEATER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TURN OFF GAS AND WATER
( ) 2.03 CLEAN BURNER AND PILOT
( ) 2.04 CLEAN CHAMBER
( ) 2.05 TURN ON GAS AND WATER
( ) 2.06 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 BURNER, PILOT ASSEMBLY AND CHAMBER CLEANED CONFORMING WITH ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 NO LEAKS
( ) 3.03 BURNER AND PILOT REMOVED, THOROUGHLY CLEANED AND REINSTALLED PROPERLY
( ) 3.04 ALL SEDIMENT REMOVED
( ) 3.05 BOTH SYSTEMS ON FULL
( ) 3.06 OPERATING PROPERLY
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

246
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 VERBAL INSTRUCTIONS
( ) 1.03 PILOT APPARATUS
( ) 1.04 THERMOCOUPLE ASSEMBLY
( ) 1.05 GAS BURNER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE PILOT AND THERMOCOUPLE ASSEMBLY FOR A GAS BURNER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 SELECT MATERIALS FOR JOB
( ) 2.03 TURN OFF GAS
( ) 2.04 REMOVE OLD PILOT AND THERMOCOUPLE AND CLEAN LINES
( ) 2.05 INSTALL NEW PILOT
( ) 2.06 INSTALL NEW THERMOCOUPLE ASSEMBLY
( ) 2.07 ADJUST SYSTEM AS NECESSARY
( ) 2.08 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 PILOT AND THERMOCOUPLE ASSEMBLY REPLACED CONFORMING TO LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR. WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 INSURING DURABLE CONSTRUCTION AT MINIMAL COST
( ) 3.03 NO LEAKAGE
( ) 3.04 ALL RESIDUE AND/OR DEBRIS REMOVED
( ) 3.05 PROPERLY ALIGNED WITH NO LEAKS
( ) 3.06 ALL CONNECTIONS MADE PROPERLY
( ) 3.07 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.08 OPERATING PROPERLY
MISOE NO. __________________

PROGRAM   PLUMBING AND   DIVISION 03  REPAIR AND MAINTENANCE
USOE CODE NO(S)   PIPEFITTING   UNIT 09  GAS BURNERS

TERMOP NO. 14-083

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

218
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 VERBAL INSTRUCTIONS
( ) 1.03 DUAL CONTROL VALVE
( ) 1.04 BACKFLOW PREVENTER
( ) 1.05 ASSORTED BRASS NIPPLES AND FITTINGS
( ) 1.06 SHUTOFFS

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPLACE DUAL CONTROL VALVE ON WATER SUPPLY TO HOT WATER HEATING BOILER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS
( ) 2.04 DRAIN SYSTEM
( ) 2.05 INSTALL NEW VALVE
( ) 2.06 INSTALL BACKFLOW PREVENTER
( ) 2.07 INSTALL SHUTOFFS
( ) 2.08 REFILL SYSTEM
( ) 2.09 ADJUST SYSTEM AS NECESSARY
( ) 2.10 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 DUAL CONTROL VALVE REPLACED CONFORMING TO ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING PROPER CONSTRUCTION
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 TO BELOW TOP OF BOILER
( ) 3.05 PROPERLY ALIGNED
( ) 3.06 PROPERLY ALIGNED, NEATLY
( ) 3.07 PROPERLY ALIGNED, ON BOTH SIDES OF NEW CONTROL
( ) 3.08 SYSTEM PURGED COMPLETELY OF AIR
( ) 3.09 SYSTEM CONFORMING TO MANUFACTURER'S SPECIFICATIONS
( ) 3.10 OPERATING PROPERLY WITH NO LEAKS
PROGRAM PLUMBING AND PIPEFITTING
USOE CODE NO(S) ____________________________

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 10 BOILERS
TERMBO NO. 14-084

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO.  

PROGRAM  PLUMBING AND PIPEFITTING  

DIVISION 03  REPAIR AND MAINTENANCE  

UNIT 10  BOILERS  

TERMNB NO. 14-085  

1.00 CONDITION  

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>()</td>
<td>1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)</td>
</tr>
<tr>
<td>()</td>
<td>1.02 EXPANSION TANK</td>
</tr>
<tr>
<td>()</td>
<td>1.03 TANK DRAINER</td>
</tr>
<tr>
<td>()</td>
<td>1.04 EXISTING HEATING SYSTEM</td>
</tr>
<tr>
<td>()</td>
<td>1.05 VERBAL INSTRUCTIONS</td>
</tr>
</tbody>
</table>

2.00 PERFORMANCE  

**GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME**  

| () | 2.01 INSTALL TANK DRAINER IN EXPANSION TANK FOR HEATING SYSTEM EMPLOYING THE FOLLOWING OPERATIONS: |

| () | 2.02 TAKE MEASUREMENTS |
| () | 2.03 SELECT MATERIALS FOR JOB |
| () | 2.04 CLOSE SHUT-OFF |
| () | 2.05 DRAIN TANK |
| () | 2.06 REMOVE DRAW-OFF |
| () | 2.07 INSTALL TANK DRAINER |
| () | 2.08 OPEN SHUT-OFF |
| () | 2.09 ADJUST SYSTEM AS NECESSARY |
| () | 2.10 INSPECT OPERATION OF SYSTEM |

3.00 EXTENT  

**GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME**  

| () | 3.01 TANK DRAINER INSTALLED CONFORMING TO ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY |

| () | 3.02 ACCURATELY |
| () | 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST |
| () | 3.04 WATER FLOW COMPLETELY STOPPED |
| () | 3.05 TANK EMPTY |
| () | 3.06 DRAIN-OFF REMOVED |
| () | 3.07 WATER-TIGHT, PROPERLY ALIGNED |
| () | 3.08 TANK COMPLETELY REFILLED |
| () | 3.09 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS |
| () | 3.10 OPERATING PROPERLY WITH NO LEAKS |
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
MISOE NO. ____________________

PROGRAM PLUMBING AND PIPEFITTING

DIVISION 03 REPAIR AND MAINTENANCE
UNIT 11 HEATING AND COOLING UNITS
TERMNO NO. 14-086

1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.03 BLUEPRINT (SHOP DRAWING)
( ) 1.04 REQUIRED HARDWARE (STRAPS, HANGERS, ETC.)
( ) 1.05 SAFE PAN
( ) 1.06 SIX-INCH CHILLED WATER AIR CONDITIONING LINES

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL SAFE PAN UNDER EXPOSED EXPANSION JOINTS ON SIX INCH CHILLED WATER AIR CONDITIONING LINES EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 HANG PAN
( ) 2.05 CUT TUBING FOR INDIRECT WASTE
( ) 2.06 INSTALL INDIRECT WASTE
( ) 2.07 ADJUST SYSTEM AS NECESSARY
( ) 2.08 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 SAFE PAN INSTALLED CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 10 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND LOCAL CODES
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 PROPERLY ALIGNED WITH EXPANSION JOINTS NO LONGER EXPOSED
( ) 3.05 ACCURATELY ± 1/32"
( ) 3.06 SECURE WITH PROPER PITCH FOR DRAINAGE
( ) 3.07 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.08 OPERATING PROPERLY

253
1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 VERBAL INSTRUCTIONS
( ) 1.03 AIR UNIT, LACK OF COLD AIR, DRIPPING WATER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 TROUBLE SHOOT AIR UNIT DRIPPING WATER AND DISPLAYING LACK OF COLD AIR EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CHECK FOR ICE ON COILS
( ) 2.03 CHECK FOR LEAKING DRIP PAN
( ) 2.04 CHECK FOR CLOGGED DRAIN LINES
( ) 2.05 ADJUST AS NECESSARY
( ) 2.06 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 COLD AIR RESTORED AND DRIPPING STOPPED ACCORDING TO ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT Raters. TO BE COMPLETED WITHIN 4 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 CLEAN FILTERS, REPLACE IF NECESSARY
( ) 3.03 REPAIR, REPLACE IF NECESSARY
( ) 3.04 SNAKE OR BLOW OUT
( ) 3.05 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.06 OPERATING PROPERLY, TROUBLE CORRECTED
PROGRAM  PLUMBING AND  PIPEFITTING  
USOE CODE NO(S) 

DIVISION 03  REPAIR AND MAINTENANCE  
UNIT 11  HEATING AND COOLING UNITS  
TERMOB NO. 14-087  

1.00 CONDITION  

2.00 PERFORMANCE  

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME  

3.00 EXTENT  

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME  

256
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 SOLDERING EQUIPMENT (TABLE T-3B)
( ) 1.03 BETWEEN AIR COMPRESSOR AND RECEIVER
( ) 1.04 BLUEPRINT (SHOP DRAWING)
( ) 1.05 HANGERS, STRAPS, ETC.
( ) 1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
( ) 1.07 SPECIAL FITTINGS, SHOCK ABSORBERS
( ) 1.08 RINSE TANK
( ) 1.09 BACKFLOW PREVENTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL WATER-AFTER COOLER WITH COLD WATER SUPPLY AND DRAIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 HANG WATER-AFTER COOLER
( ) 2.05 DRIVE HOLES
( ) 2.06 CUT TUBING
( ) 2.07 INSTALL TUBING
( ) 2.08 MAKE CONNECTION TO WASTE
( ) 2.09 MAKE CONNECTION TO WATER SUPPLY
( ) 2.10 INSTALL BACKFLOW PREVENTER
( ) 2.11 INSTALL SHOCK ABSORBER
( ) 2.12 ADJUST SYSTEM AS NECESSARY
( ) 2.13 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 WATER-AFTER COOLER INSTALLED CONFORMING TO BLUEPRINT, MASSACHUSETTS PLUMBING CODE, AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY.

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND MASSACHUSETTS CODE
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE
( ) 3.05 NEATLY, LESS THAN 1/8" OVERSIZE
( ) 3.06 ACCURATELY ± 1/32"
1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
1.02 SOLDERING EQUIPMENT (TABLE T-3B)
1.03 BETWEEN AIR COMPRESSOR AND RECEIVER
1.04 BLUEPRINT (SHOP DRAWING)
1.05 HANGERS, STRAPS, ETC.
1.06 FITTINGS, CONNECTORS, ADAPTERS AS NEEDED
1.07 SPECIAL FITTINGS, SHOCK ABSORBERS
1.08 RINSE TANK
1.09 BACKFLOW PREVENTER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL WATER-AFTER COOLER WITH COLD WATER SUPPLY AND DRAIN EMPLOYING THE FOLLOWING OPERATIONS:

2.02 TAKE MEASUREMENTS
2.03 SELECT MATERIALS FOR JOB
2.04 HANG WATER-AFTER COOLER
2.05 DRIVE HOLES
2.06 CUT TUBING
2.07 INSTALL TUBING
2.08 MAKE CONNECTION TO WASTE
2.09 MAKE CONNECTION TO WATER SUPPLY
2.10 INSTALL BACKFLOW PREVENTER
2.11 INSTALL SHOCK ABSORBER
2.12 ADJUST SYSTEM AS NECESSARY.
2.13 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 WATER-AFTER COOLER INSTALLED CONFORMING TO BLUEPRINT, MASSACHUSETTS PLUMBING CODE, AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERs. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMANCE WITH BLUEPRINT AND MASSACHUSETTS CODE
3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
3.04 LEVEL AND SECURE
3.05 NEATLY, LESS THAN 1/8" OVERSIZE
3.06 ACCURATELY ± 1/32"
3.07 ACCURATELY, INSURING SOUND JOINT
3.08 WATERTIGHT
3.09 NEATLY AND WATERTIGHT
3.10 FUNCTIONING PROPERLY
3.11 FUNCTIONING PROPERLY, LITTLE VIBRATION
3.12 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
3.13 OPERATING PROPERLY WITH NO LEAKS
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIVISION 03</th>
<th>REPAIR AND MAINTENANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING AND</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PIPEFITTING</td>
<td></td>
<td></td>
</tr>
<tr>
<td>USOE CODE NO(S)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>UNIT</td>
<td>11</td>
<td>HEATING AND COOLING</td>
</tr>
<tr>
<td>TERMOB NO.</td>
<td></td>
<td>UNITS</td>
</tr>
<tr>
<td>1.00</td>
<td>CONDITION</td>
<td></td>
</tr>
</tbody>
</table>

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

259
1.00 CONDITION

( ) 1.01 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.02 BLUEPRINT (SHOP DRAWING)
( ) 1.03 PIPES OF VARIOUS DIAMETERS
( ) 1.04 SUPPORTS
( ) 1.05 VIBRA-PADS
( ) 1.06 APPROPRIATE ADAPTERS AND CONNECTORS
( ) 1.07 AIR COMPRESSOR
( ) 1.08 RECEIVER
( ) 1.09 EXISTING MAIN

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 INSTALL 5 H.P. AIR COMPRESSOR AND RECEIVER TO EXISTING MAIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 INSTALL AIR COMPRESSOR
( ) 2.05 DRILL HOLES
( ) 2.06 INSTALL RECEIVER
( ) 2.07 CUT PIPE
( ) 2.08 INSTALL PIPE
( ) 2.09 MAKE CONNECTION TO MAIN
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 AIR COMPRESSOR AND RECEIVER INSTALLED TO EXISTING MAIN CONFORMING TO BLUEPRINT; LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMING TO BLUEPRINT

( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE INSURING NO UNNECESSARY VIBRATION
( ) 3.05 ACCURATELY
( ) 3.06 ACCURATELY AND NEATLY, AIR TIGHT
( ) 3.07 ACCURATELY + 1/32"
1.02 BLUEPRINT (SHOP DRAWING)
1.03 PIPES OF VARIOUS DIAMETERS
1.04 SUPPORTS
1.05 VIBRA-PADS
1.06 APPROPRIATE ADAPTERS AND CONNECTORS
1.07 AIR COMPRESSOR
1.08 RECEIVER
1.09 EXISTING MAIN

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

2.01 INSTALL 5 H.P. AIR COMPRESSOR AND RECEIVER TO EXISTING MAIN EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 TAKE MEASUREMENTS
( ) 2.03 SELECT MATERIALS FOR JOB
( ) 2.04 INSTALL AIR COMPRESSOR
( ) 2.05 DRILL HOLES
( ) 2.06 INSTALL RECEIVER
( ) 2.07 CUT PIPE
( ) 2.08 INSTALL PIPE
( ) 2.09 MAKE CONNECTION TO MAIN
( ) 2.10 ADJUST SYSTEM AS NECESSARY
( ) 2.11 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

3.01 AIR COMPRESSOR AND RECEIVER INSTALLED TO EXISTING MAIN CONFORMING TO BLUEPRINT, LOCAL CODES AND ACCEPTED PLUMBING TECHNIQUES TO APPROVAL OF A BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 12 HOURS WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 ACCURATELY, INSURING SOUND CONSTRUCTION AND CONFORMING TO BLUEPRINT
( ) 3.03 INSURING SOUND CONSTRUCTION AT ECONOMICAL COST
( ) 3.04 LEVEL AND SECURE INSURING NO UNNECESSARY VIBRATION
( ) 3.05 ACCURATELY
( ) 3.06 ACCURATELY AND NEATLY, AIR TIGHT
( ) 3.07 ACCURATELY + 1/32"
( ) 3.08 INSURING SOUND JOINTS, AIRTIGHT
( ) 3.09 AIRTIGHT
( ) 3.10 CONFORMING TO MANUFACTURER'S SPECIFICATIONS
( ) 3.11 WORKING PROPERLY, AIR TIGHT

261

7/74
<table>
<thead>
<tr>
<th>PROGRAM</th>
<th>DIVISION 03</th>
<th>UNIT 11</th>
</tr>
</thead>
<tbody>
<tr>
<td>PLUMBING AND</td>
<td>REPAIR AND MAINTENANCE</td>
<td></td>
</tr>
<tr>
<td>PIPEFITTING</td>
<td>HEATING AND COOLING</td>
<td></td>
</tr>
<tr>
<td>USOE CODE NO(S)</td>
<td>UNITS</td>
<td></td>
</tr>
<tr>
<td></td>
<td>14-089</td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
1.00 CONDITION

( ) 1.01 VERBAL INSTRUCTIONS
( ) 1.02 BASIC PLUMBERS' TOOLS (TABLE T-3)
( ) 1.03 DIAPHRAGM, RELIEF VALVE, OTHER APPROPRIATE PARTS
( ) 1.04 FLUSHOMETER

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

( ) 2.01 REPAIR CONTINUOUS RUNNING FLUSHOMETER EMPLOYING THE FOLLOWING OPERATIONS:

( ) 2.02 CLEAN OUT BY-PASS
( ) 2.03 REPLACE DEFECTIVE DIAPHRAGM, RELIEF VALVE, IF NECESSARY
( ) 2.04 ADJUST AS NECESSARY
( ) 2.05 INSPECT OPERATION OF SYSTEM

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME

( ) 3.01 FLUSHOMETER REPAIRED SO THAT IT DOES NOT RUN WATER TO APPROVAL OF BOARD OF EXPERT RATERS. TO BE COMPLETED WITHIN 1 HOUR WITH EACH OPERATION JUDGED AS SATISFACTORY OR UNSATISFACTORY

( ) 3.02 FREE RUNNING
( ) 3.03 REPLACE DEFECTIVE PARTS ACCORDING TO ACCEPTED PLUMBING TECHNIQUES
( ) 3.04 SYSTEM CONFORMS TO MANUFACTURER'S SPECIFICATIONS
( ) 3.05 OPERATING PROPERLY
<table>
<thead>
<tr>
<th>MISOE NO.</th>
<th>PROGRAM</th>
<th>DIVISION</th>
<th>UNIT</th>
<th>TERMOB NO.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PLUMBING AND</td>
<td>03</td>
<td>REPAIR AND MAINTENANCE</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>PIPEFITTING</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1.00 CONDITION

2.00 PERFORMANCE

GENERAL STATEMENT OF PERFORMANCE AND RESULTING OUTCOME

3.00 EXTENT

GENERAL STATEMENT OF EXTENT AND EXTENT OF RESULTING OUTCOME
<table>
<thead>
<tr>
<th>Tool Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' FOLDING RULE</td>
</tr>
<tr>
<td>ALUMINUM LEVEL</td>
</tr>
<tr>
<td>RIPPING CLAW HAMMER</td>
</tr>
<tr>
<td>COLD CHISEL</td>
</tr>
<tr>
<td>8&quot; LINESMAN PLIERS</td>
</tr>
<tr>
<td>10&quot; TONGUE AND GROOVE PLIERS</td>
</tr>
<tr>
<td>PLUMB BOB</td>
</tr>
<tr>
<td>CHALK LINE</td>
</tr>
<tr>
<td>DIVIDERS</td>
</tr>
<tr>
<td>8&quot; PIPE WRENCH</td>
</tr>
<tr>
<td>10&quot; PIPE WRENCH</td>
</tr>
<tr>
<td>14&quot; PIPE WRENCH</td>
</tr>
<tr>
<td>14&quot; CHAIN WRENCH</td>
</tr>
<tr>
<td>BASIN WRENCH</td>
</tr>
<tr>
<td>2&quot; SPUD WRENCH</td>
</tr>
<tr>
<td>6&quot; ADJUSTABLE WRENCH</td>
</tr>
<tr>
<td>8&quot; ADJUSTABLE WRENCH</td>
</tr>
<tr>
<td>HACKSAW WITH BLADE</td>
</tr>
<tr>
<td>PHILLIPS STYLE SCREWDRIVER</td>
</tr>
<tr>
<td>ROUND BLADE SCREWDRIVER</td>
</tr>
<tr>
<td>SQUARE BLADE SCREWDRIVER</td>
</tr>
<tr>
<td>SMALL TUBING CUTTER 1/8&quot; - 1 1/8&quot;</td>
</tr>
<tr>
<td>LARGE TUBING CUTTER 1&quot; - 2 1/8&quot;</td>
</tr>
<tr>
<td>BALLPEEN HAMMER</td>
</tr>
<tr>
<td>WOOD CHISEL</td>
</tr>
<tr>
<td>AVIATION SNIPS</td>
</tr>
<tr>
<td>ASSORTED FILES</td>
</tr>
<tr>
<td>PIPE JOINT CUTTER</td>
</tr>
</tbody>
</table>
8" LINESMAN PLIERS
10" TONGUE AND GROOVE PLIERS
PLUMB BOB
CHALK LINE
DIVIDERS
8" PIPE WRENCH
10" PIPE WRENCH
14" PIPE WRENCH
14" CHAIN WRENCH
BASIN WRENCH
2" SPUD WRENCH
6" ADJUSTABLE WRENCH
8" ADJUSTABLE WRENCH
HACKSAW WITH BLADE
PHILLIPS STYLE SCREWDRIVER
ROUND BLADE SCREWDRIVER
SQUARE BLADE SCREWDRIVER
SMALL TUBING CUTTER 1/8" - 1 1/8"
LARGE TUBING CUTTER 1" - 2 1/8"
BALLPEEN HAMMER
WOOD CHISEL
AVIATION SNIPS
ASSORTED FILES
PIPE JOINT CUTTER
SOLDER
FLUX
THREAD SEALING TAPE
PIPE TAPS 1/8" - 3/4"
### TABLE T-3 (CONT.)

#### BASIC PLUMBERS' TOOLS

<table>
<thead>
<tr>
<th>Tool Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPASS SAW</td>
</tr>
<tr>
<td>INSIDE AND OUTSIDE CAULKING IRON</td>
</tr>
<tr>
<td>ASSORTED HAND DRAIN AND SEWER AUGERS</td>
</tr>
<tr>
<td>CLOSET AUGERS</td>
</tr>
<tr>
<td>SUCTION AND FORCE PUMPS</td>
</tr>
<tr>
<td>FORCE CUP</td>
</tr>
<tr>
<td>TRAP PUMP</td>
</tr>
<tr>
<td>HAND HELD ELECTRIC DRAIN CLEANER</td>
</tr>
<tr>
<td>DRAIN CLEANING MACHINES</td>
</tr>
<tr>
<td>ASSORTED RODS AND CABLES</td>
</tr>
<tr>
<td>ASSORTED PIPE WRENCHES 18&quot; TO 48&quot;</td>
</tr>
<tr>
<td>COMPOUND LEVERAGE PIPE WRENCHES</td>
</tr>
<tr>
<td>ASSORTED PIPE THREADERS - RATCHET TYPE 1/8&quot; - 1 1/4&quot;</td>
</tr>
<tr>
<td>RATCHET THREADERS 1&quot; - 2&quot;</td>
</tr>
<tr>
<td>GEARED THREADERS 2 1/2&quot; - 4&quot;</td>
</tr>
<tr>
<td>ASSORTED PIPE CUTTERS 1/8&quot; - 6&quot;</td>
</tr>
<tr>
<td>ASSORTED PIPE REAMERS</td>
</tr>
<tr>
<td>PORTABLE VISES</td>
</tr>
<tr>
<td>PORTABLE POWER DRIVE</td>
</tr>
<tr>
<td>POWER THREADING MACHINE</td>
</tr>
<tr>
<td>PIPE SUPPORT</td>
</tr>
<tr>
<td>CUTTING OIL</td>
</tr>
<tr>
<td>BOLT THREADERS</td>
</tr>
<tr>
<td>NIPPLE CHUCK</td>
</tr>
<tr>
<td>UTILITY OILER</td>
</tr>
<tr>
<td>WICKING</td>
</tr>
<tr>
<td>ASSORTED ELECTRIC DRILLS 1/4&quot; - 3/4&quot;</td>
</tr>
<tr>
<td>HIGH SPEED DRILL BITS</td>
</tr>
</tbody>
</table>
SUCTION AND FORCE PUMPS
FORCE CUP
TRAP PUMP
HAND HELD ELECTRIC DRAIN CLEANER
DRAIN CLEANING MACHINES
ASSORTED RODS AND CABLES
ASSORTED PIPE WRENCHES 18" TO 48"
COMPOUND LEVERAGE PIPE WRENCHES
ASSORTED PIPE THREADERS - RATCHET TYPE 1/8" - 1 1/4"
RATCHET THREADERS 1" - 2"
GEARED THREADERS 2 1/2" - 4"
ASSORTED PIPE CUTTERS 1/8" - 6"
ASSORTED PIPE REAMERS
PORTABLE VISES
PORTABLE POWER DRIVE
POWER THREADING MACHINE
PIPE SUPPORT
CUTTING OIL
BOLT THREADERS
NIPPLE CHUCK
UTILITY OILER
WICKING
ASSORTED ELECTRIC DRILLS 1/4" - 3/4"
HIGH SPEED DRILL BITS
MASONRY BITS
AUGER BITS
HOLE SAWS
ELECTRIC HAMMERS
STAR DRILLS - BULL POINTS - CHIPPERS
### TABLE T-3 (CONT.)

**BASIC PLUMBERS' TOOLS**

- Rotary hammer drills
- Percussion bits
- Sawzall with assorted blades
- Circular saw with assorted blades
- Jig saw with assorted blades
- Grinders with assorted wheels, brushes and discs
<table>
<thead>
<tr>
<th>Item Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FURNACE</td>
</tr>
<tr>
<td>THERMOMETER</td>
</tr>
<tr>
<td>MELTING POT</td>
</tr>
<tr>
<td>LADLES</td>
</tr>
<tr>
<td>LEAD</td>
</tr>
<tr>
<td>OAKUM</td>
</tr>
<tr>
<td>ASSORTED JOINT RUNNERS</td>
</tr>
<tr>
<td>ASSORTED PACKING IRONS</td>
</tr>
<tr>
<td>ASSORTED CAULKING IRONS</td>
</tr>
<tr>
<td>SOIL PIPE CUTTERS</td>
</tr>
<tr>
<td>SOIL PIPE ASSEMBLY TOOL</td>
</tr>
<tr>
<td>GASKET GREASE</td>
</tr>
<tr>
<td>TORQUE WRENCHES</td>
</tr>
<tr>
<td>2' LEVELS</td>
</tr>
<tr>
<td>STEEL TAPES 25' - 100'</td>
</tr>
<tr>
<td>TWINE</td>
</tr>
<tr>
<td>LINE LEVEL</td>
</tr>
<tr>
<td>ASSORTED TEST PLUGS</td>
</tr>
<tr>
<td>TEST GAUGES</td>
</tr>
</tbody>
</table>

270
<table>
<thead>
<tr>
<th>COPPER TUBING AND SOLDERING EQUIPMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASSORTED TORCHES</td>
</tr>
<tr>
<td>ASSORTED SOLDERS</td>
</tr>
<tr>
<td>SOLDERING IRONS</td>
</tr>
<tr>
<td>FLUXS</td>
</tr>
<tr>
<td>FURNACE</td>
</tr>
<tr>
<td>ELECTRIC SOLDERING UNIT</td>
</tr>
<tr>
<td>TUBING CUTTERS 2&quot; - 4 1/8&quot;</td>
</tr>
<tr>
<td>PVC CUTTERS AND REAMERS</td>
</tr>
<tr>
<td>INTERNAL TUBING CUTTERS 1/2&quot; - 4&quot;</td>
</tr>
<tr>
<td>ASSORTED TUBING BENDERS</td>
</tr>
<tr>
<td>ASSORTED REAMERS</td>
</tr>
<tr>
<td>FLARING TOOL</td>
</tr>
<tr>
<td>HAMMER TYPE FLARING TOOLS</td>
</tr>
<tr>
<td>SIZING TOOL</td>
</tr>
<tr>
<td>TEST PLUGS</td>
</tr>
<tr>
<td>HYDROSTATIC TESTER</td>
</tr>
<tr>
<td>TEST GAUGES</td>
</tr>
<tr>
<td>CLEANERS AND EPOXYS</td>
</tr>
</tbody>
</table>

271
TABLE T-3C
WELDING EQUIPMENT

CYLINDER OF OXYGEN
CYLINDER OF ACETYLENE
CONNECTING HOSES
REGULATORS
APPARATUS WRENCH
WELDING TIPS
TORCH
SPARK LIGHTER
CHIPPING HAMMER
WEDGES
CLAMPS
PLIERS
TONGS
GLOVES
SHIELD
APRON
POWER SOURCE
CABLES
WELDING RODS

272
Table T-4 Additional TERMOB Performance Statements

This form is provided for the addition of TERMOB performance statements to ensure more complete coverage of your program. Please provide a comprehensive performance statement (coded 2.01 on each TERMOB) for each area of deficiency that you have identified.

The performance statement need only be listed identified by the division and unit numbers of the deficient areas; the conditions and extents will be incorporated later.

1. Division _______ Performance Statement
   Unit _______

2. Division _______ Performance Statement
   Unit _______

3. Division _______ Performance Statement
   Unit _______

4. Division _______ Performance Statement
   Unit _______

5. Division _______ Performance Statement
   Unit _______

6. Division _______ Performance Statement
   Unit _______
1. Division
Unit
Performance Statement

2. Division
Unit
Performance Statement

3. Division
Unit
Performance Statement

4. Division
Unit
Performance Statement

5. Division
Unit
Performance Statement

6. Division
Unit
Performance Statement

7. Division
Unit
Performance Statement
Table T-4 (Cont'd) Additional TERMOB Performance Statements

This form is provided for the addition of TERMOB performance statements to ensure more complete coverage of your program. Please provide a comprehensive performance statement (coded 2.01 on each TERMOB) for each area of deficiency that you have identified.

The performance statement need only be listed identified by the division and unit numbers of the deficient areas; the conditions and extents will be incorporated later.

<table>
<thead>
<tr>
<th>Division</th>
<th>Performance Statement</th>
</tr>
</thead>
<tbody>
<tr>
<td>8.</td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>11.</td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>12.</td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>13.</td>
<td></td>
</tr>
<tr>
<td>Unit</td>
<td></td>
</tr>
</tbody>
</table>
and extents will be incorporated later.

8. Division
   Unit

9. Division
   Unit

10. Division
    Unit

11. Division
    Unit

12. Division
    Unit

13. Division
    Unit

14. Division
    Unit

Performance Statement

Performance Statement

Performance Statement

Performance Statement

Performance Statement

Performance Statement

Performance Statement

Performance Statement

Performance Statement
## INDEX OF TERMOB STATEMENTS

**PROGRAM:**

**PLUMBING & PIPEFITTING**

<table>
<thead>
<tr>
<th>TERMOB NO.</th>
<th>DESCRIPTION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-001</td>
<td>ADD COPPER COLD SUPPLY LINE FOR EXTERIOR FAUCET</td>
<td>T-10</td>
</tr>
<tr>
<td>14-002</td>
<td>ROUGH IN WASTE FOR FIRST FLOOR BATHTUB</td>
<td>T-12</td>
</tr>
<tr>
<td>14-003</td>
<td>INSTALL TWO ROUND WASH BASINS SET IN VANITY</td>
<td>T-14</td>
</tr>
<tr>
<td>14-004</td>
<td>INSTALL WATER SUPPLY TO PHOTOGRAPHIC RINSE SINK</td>
<td>T-16</td>
</tr>
<tr>
<td>14-005</td>
<td>ROUGH IN WASH BASIN SUPPLY LINES</td>
<td>T-18</td>
</tr>
<tr>
<td>14-006</td>
<td>INSTALL BASEMENT PLUMBING FOR DOMESTIC HOT WATER</td>
<td>T-20</td>
</tr>
<tr>
<td>14-007</td>
<td>INSTALL SEWER FROM BUILDING DRAIN TO SEPTIC TANK</td>
<td>T-22</td>
</tr>
<tr>
<td>14-008</td>
<td>CUT WYE FITTING INTO HOUSE DRAIN</td>
<td>T-24</td>
</tr>
<tr>
<td>14-009</td>
<td>INSTALL DRAINS AND VENTS FOR A BATTERY OF SIX FLOOR-MOUNTED LOOP-VENTED WATER CLOSETS</td>
<td>T-26</td>
</tr>
<tr>
<td>14-010</td>
<td>INSTALL ALL DRAINS, WASTES AND VENTS</td>
<td>T-28</td>
</tr>
<tr>
<td>14-011</td>
<td>INSTALL CAST IRON SOIL PIPE (HORIZONTAL JOINT)</td>
<td>T-30</td>
</tr>
<tr>
<td>14-012</td>
<td>INSTALL CAST IRON SOIL PIPE (VERTICAL JOINT)</td>
<td>T-32</td>
</tr>
<tr>
<td>14-013</td>
<td>CONNECT BUILDING SEWER TO CITY OR MAIN SEWER</td>
<td>T-34</td>
</tr>
<tr>
<td>14-014</td>
<td>ADD A WALL SHOWER TO EXISTING COPPER BATHTUB SUPPLY LINES</td>
<td>T-36</td>
</tr>
<tr>
<td>14-015</td>
<td>INSTALL LAWN SPRINKLER SYSTEM</td>
<td>T-38</td>
</tr>
<tr>
<td>14-016</td>
<td>INSTALL GAS SUPPLY TO WATER HEATER</td>
<td>T-40</td>
</tr>
<tr>
<td>14-017</td>
<td>INSTALL RETURN LINES FOR WATER RADIATORS</td>
<td>T-42</td>
</tr>
<tr>
<td>14-018</td>
<td>INSTALL GAS SYSTEM</td>
<td>T-44</td>
</tr>
<tr>
<td>14-019</td>
<td>ADD A WATER RADIATOR TO AN EXISTING HOT WATER HEATING SYSTEM</td>
<td>T-46</td>
</tr>
<tr>
<td>14-020</td>
<td>ADD SUPPLY AND WASTE LINES FOR WASHING MACHINE</td>
<td>T-48</td>
</tr>
<tr>
<td>14-021</td>
<td>INSTALL TEMPORARY WATER MAIN</td>
<td>T-50</td>
</tr>
<tr>
<td>14-022</td>
<td>INSTALL DRAINAGE PIPING</td>
<td>T-52</td>
</tr>
<tr>
<td>14-023</td>
<td>INSTALL KITCHEN SINK</td>
<td>T-54</td>
</tr>
<tr>
<td>14-024</td>
<td>INSTALL LABORATORY SINK</td>
<td>T-56</td>
</tr>
<tr>
<td>14-025</td>
<td>INSTALL A 4 FOOT VANITY WITH TWO 18&quot; ROUND WASH BASINS</td>
<td>T-58</td>
</tr>
<tr>
<td>14-026</td>
<td>REPLACE WASH BASIN</td>
<td>T-60</td>
</tr>
</tbody>
</table>
14-004 INSTALL WATER SUPPLY TO PHOTOGRAPHIC RINSE SINK
14-005 ROUGH IN WASH BASIN SUPPLY LINES
14-006 INSTALL BASEMENT PLUMBING FOR DOMESTIC HOT WATER
14-007 INSTALL SEWER FROM BUILDING DRAIN TO SEPTIC TANK
14-008 CUT WYE FITTING INTO HOUSE DRAIN
14-009 INSTALL DRAINS AND VENTS FOR A BATTERY OF SIX FLOOR-MOUNTED LOOP-VENTED WATER CLOSETS
14-010 INSTALL ALL DRAINS, WASTES AND VENTS
14-011 INSTALL CAST IRON SOIL PIPE (HORIZONTAL JOINT)
14-012 INSTALL CAST IRON SOIL PIPE (VERTICAL JOINT)
14-013 CONNECT BUILDING SEWER TO CITY OR MAIN SEWER
14-014 ADD A WALL SHOWER TO EXISTING COPPER BATHTUB SUPPLY LINES
14-015 INSTALL LAWN SPRINKLER SYSTEM
14-016 INSTALL GAS SUPPLY TO WATER HEATER
14-017 INSTALL RETURN LINES FOR WATER RADIATORS
14-018 INSTALL GAS SYSTEM
14-019 ADD A WATER RADIATOR TO AN EXISTING HOT WATER HEATING SYSTEM
14-020 ADD SUPPLY AND WASTE LINES FOR WASHING MACHINE
14-021 INSTALL TEMPORARY WATER MAIN
14-022 INSTALL DRAINAGE PIPING
14-023 INSTALL KITCHEN SINK
14-024 INSTALL LABORATORY SINK
14-025 INSTALL A 4 FOOT VANITY WITH TWO 18" ROUND WASH BASINS
14-026 REPLACE WASH BASIN
14-027 INSTALL BATHTUB UNIT
14-028 INSTALL URINAL AND FLUSHOMETER
14-029 INSTALL SPECIAL GRAB BAR SUPPORTS
14-030 INSTALL SPECIAL ARM SUPPORTS
14-031 INSTALL FLOOR MOUNTED WATER CLOSET
14-032 REPAIR FLUSHOMETER

T-16
T-18
T-20
T-22
T-24
T-26
T-28
T-30
T-32
T-34
T-36
T-38
T-40
T-42
T-44
T-46
T-48
T-50
T-52
T-54
T-56
T-58
T-60
T-62
T-64
T-66
T-68
T-70
T-72

T-200
<table>
<thead>
<tr>
<th>TERMOB NO.</th>
<th>INSTALLATION</th>
<th>PAGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-033</td>
<td>INSTALL HEATING MAINS AND BRANCHES TO RADIATORS</td>
<td>T-74</td>
</tr>
<tr>
<td>14-034</td>
<td>ADD A GAS WATER HEATER FOR LAUNDRY FACILITIES</td>
<td>T-76</td>
</tr>
<tr>
<td>14-035</td>
<td>INSTALL NECESSARY CONTROLS AND EQUIPMENT TO CONVERT EXISTING WATER HEATING BOILER</td>
<td>T-78</td>
</tr>
<tr>
<td>14-036</td>
<td>INSTALL TANKLESS HEATER</td>
<td>T-80</td>
</tr>
<tr>
<td>14-037</td>
<td>INSTALL DOMESTIC HOT WATER LINES</td>
<td>T-82</td>
</tr>
<tr>
<td>14-038</td>
<td>INSTALL A FIVE PIPE STEAM COIL BELOW A WINDOW</td>
<td>T-84</td>
</tr>
<tr>
<td>14-039</td>
<td>INSTALL CAST IRON BASEBOARD RADATION</td>
<td>T-86</td>
</tr>
<tr>
<td>14-040</td>
<td>INSTALL A STEAM RADIATOR</td>
<td>T-88</td>
</tr>
<tr>
<td>14-041</td>
<td>ADD A GARBAGE DISPOSAL</td>
<td>T-90</td>
</tr>
<tr>
<td>14-042</td>
<td>INSTALL VERTICAL STORAGE TANK FOR A GROUND WELL</td>
<td>T-92</td>
</tr>
<tr>
<td>14-043</td>
<td>REPLACE 275 GALLON OIL TANK IN BASEMENT</td>
<td>T-94</td>
</tr>
<tr>
<td>14-044</td>
<td>SIZE AND CONNECT ALL PIPING, VALVES AND SAFETY DEVICES</td>
<td>T-96</td>
</tr>
<tr>
<td>14-045</td>
<td>ADD CIRCULATION LINE, THERMOMETER AND AQUASTAT</td>
<td>T-98</td>
</tr>
<tr>
<td>14-046</td>
<td>REPLACE CIRCULATOR ON HOT WATER BOILER</td>
<td>T-100</td>
</tr>
<tr>
<td>14-047</td>
<td>INSTALL A PUMP IN A 30 FOOT WELL</td>
<td>T-102</td>
</tr>
<tr>
<td>14-048</td>
<td>ADD PRESSURE REGULATOR TO EXISTING DISHWASHER RINSE LINE</td>
<td>T-104</td>
</tr>
<tr>
<td>14-049</td>
<td>INSTALL CONTROL PIPING BETWEEN WATER MAIN AND FIRE SPRINKLER</td>
<td>T-106</td>
</tr>
<tr>
<td>14-050</td>
<td>INSTALL GAS DRYER IN BASEMENT</td>
<td>T-108</td>
</tr>
<tr>
<td>14-051</td>
<td>CHECK WATER SUPPLY SYSTEM FOR LEAKS (HYDROSTATIC TEST)</td>
<td>T-110</td>
</tr>
<tr>
<td>14-052</td>
<td>CHECK NEW PLUMBING DRAINAGE SYSTEM FOR LEAKS (PERMINT TEST)</td>
<td>T-112</td>
</tr>
<tr>
<td>14-053</td>
<td>CHECK WATER SUPPLY SYSTEM FOR LEAKS (LOW PRESSURE AIR TEST)</td>
<td>T-114</td>
</tr>
<tr>
<td>14-054</td>
<td>CHECK WASTE SYSTEM FOR LEAKS (SMOKE TEST)</td>
<td>T-116</td>
</tr>
<tr>
<td>14-055</td>
<td>CHECK WATER SUPPLY SYSTEM FOR LEAKS (HIGH PRESSURE AIR TEST)</td>
<td>T-118</td>
</tr>
</tbody>
</table>
CONVERT EXISTING WATER HEATING BOILER

14-036 INSTALL TANKLESS HEATER
14-037 INSTALL DOMESTIC HOT WATER LINES
14-038 INSTALL A FIVE PIPE STEAM COIL BELOW A WINDOW
14-039 INSTALL CAST IRON BASEBOARD RADIATION
14-040 INSTALL A STEAM RADIATOR
14-041 ADD A GARBAGE DISPOSAL
14-042 INSTALL VERTICAL STORAGE TANK FOR A GROUND WELL
14-043 REPLACE 275 GALLON OIL TANK IN BASEMENT
14-044 SIZE AND CONNECT ALL PIPING, VALVES AND SAFETY DEVICES
14-045 ADD CIRCULATION LINE, THERMOMETER AND AQUASTAT
14-046 REPLACE CIRCULATOR ON HOT WATER BOILER
14-047 INSTALL A PUMP IN A 30 FOOT WELL
14-048 ADD PRESSURE REGULATOR TO EXISTING DISHWASHER RINSE LINE
14-049 INSTALL CONTROL PIPING BETWEEN WATER MAIN AND FIRE SPRINKLER
14-050 INSTALL GAS DRYER IN BASEMENT
14-051 CHECK WATER SUPPLY SYSTEM FOR LEAKS (HYDROSTATIC TEST)
14-052 CHECK NEW, PLUMBING DRAINAGE SYSTEM FOR LEAKS (PEPPERMINT TEST)
14-053 CHECK WATER SUPPLY SYSTEM FOR LEAKS (LOW PRESSURE AIR TEST)
14-054 CHECK WASTE SYSTEM FOR LEAKS (SMOKE TEST)
14-055 CHECK WATER SUPPLY SYSTEM FOR LEAKS (HIGH PRESSURE AIR TEST)
14-056 CHECK WASTE SYSTEM ROUGH IN FOR LEAKS (WATER TEST)
14-057 MAKE TEMPORARY REPAIRS IN PIPES
14-058 REPAIR LEAK IN CAST IRON SOIL PIPE JOINT
14-059 REPLACE FAULTY CAST IRON FITTING
14-060 REPAIR LEAK IN 3/4" HOT WATER SUPPLY LINE
14-061 REPLACE A SEGMENT OF IRON WASTE PIPE
14-062 REPAIR LEAK IN WATER STORAGE TANK

T-201 280
<table>
<thead>
<tr>
<th>TERMOB NO.</th>
<th>PROGRAM: PLUMBING &amp; PIPEFITTING</th>
</tr>
</thead>
<tbody>
<tr>
<td>14-063</td>
<td>REPAIR DEFECTIVE SHOWER TEMPERING VALVE</td>
</tr>
<tr>
<td>14-064</td>
<td>ELIMINATE WATER HAMMER (TWO FAMILY HOUSE)</td>
</tr>
<tr>
<td>14-065</td>
<td>ELIMINATE WATER HAMMER (DISHWASHER)</td>
</tr>
<tr>
<td>14-066</td>
<td>FREE CLOGGED SEWER MAIN</td>
</tr>
<tr>
<td>14-067</td>
<td>UNBLOCK STACK BUILDING DRAIN OR BUILDING SEWER</td>
</tr>
<tr>
<td>14-068</td>
<td>FREE CLOGGED WASTE SYSTEM</td>
</tr>
<tr>
<td>14-069</td>
<td>RESTORE CITY PRESSURE TO SUPPLY LINES</td>
</tr>
<tr>
<td>14-070</td>
<td>IMPROVE COLD WATER PRESSURE IN SECOND FLOOR</td>
</tr>
<tr>
<td>14-071</td>
<td>CORRECT BACKUP IN FIRST FLOOR SINK</td>
</tr>
<tr>
<td>14-072</td>
<td>THAW FROZEN PIPES (CHEMICALLY)</td>
</tr>
<tr>
<td>14-073</td>
<td>INSULATE PIPES/VALVES AND FITTINGS</td>
</tr>
<tr>
<td>14-074</td>
<td>THAW FROZEN PIPES (ELECTRICALLY)</td>
</tr>
<tr>
<td>14-075</td>
<td>WINTERIZE PLUMBING SYSTEM</td>
</tr>
<tr>
<td>14-076</td>
<td>INSTALL CENTER SET ON PEDESTAL WASH BASIN</td>
</tr>
<tr>
<td>14-077</td>
<td>REPAIR LEAKING BALL TYPE SINGLE LEVER FAUCET</td>
</tr>
<tr>
<td>14-078</td>
<td>REPLACE COMPRESSION TYPE FAUCET</td>
</tr>
<tr>
<td>14-079</td>
<td>REPAIR DRIPPING LAUNDRY FAUCET</td>
</tr>
<tr>
<td>14-080</td>
<td>REPLACE BALLCOCK IN A CLOSE COUPLE WATER CLOSET</td>
</tr>
<tr>
<td>14-081</td>
<td>REPLACE TANK VALVE AND FLUSH ELL IN WALL HUNG TANK</td>
</tr>
<tr>
<td>14-082</td>
<td>CLEAN BURNER, PILOT ASSEMBLY AND CHAMBER IN GAS WATER HEATER</td>
</tr>
<tr>
<td>14-083</td>
<td>REPLACE PILOT AND THERMOCOUPLE ASSEMBLY FOR A GAS BURNER</td>
</tr>
<tr>
<td>14-084</td>
<td>REPLACE DUAL CONTROL VALVE ON WATER SUPPLY</td>
</tr>
<tr>
<td>14-085</td>
<td>INSTALL TANK DRAINER IN EXPANSION TANK</td>
</tr>
<tr>
<td>14-086</td>
<td>INSTALL SAFE PAN UNDER EXPOSED EXPANSION JOINTS</td>
</tr>
<tr>
<td>14-087</td>
<td>TROUBLE SHOOT AIR UNIT DRIPPING WATER</td>
</tr>
<tr>
<td>14-088</td>
<td>INSTALL WATER-AFTER COOLER</td>
</tr>
</tbody>
</table>
UNBLOCK STACK BUILDING DRAIN OR BUILDING SEWER
FREE CLOGGED WASTE SYSTEM
RESTORE CITY PRESSURE TO SUPPLY LINES
IMPROVE COLD WATER PRESSURE IN SECOND FLOOR
CORRECT BACKUP IN FIRST FLOOR SINK
THAW FROZEN PIPES (CHEMICALLY)
INSULATE PIPES/VALVES AND FITTINGS
THAW FROZEN PIPES (ELECTRICALLY)
WINTERIZE PLUMBING SYSTEM
INSTALL CENTER SET ON PEDESTAL WASH BASIN
REPAIR LEAKING BALL TYPE SINGLE LEVER FAUCET
REPLACE COMPRESSION TYPE FAUCET
REPAIR DRIPPING LAUNDRY FAUCET
REPLACE BALLCOCK IN A CLOSE COUPLE WATER CLOSET
REPLACE TANK VALVE AND FLUSH ELL IN WALL HUNG TANK
CLEAN BURNER, PILOT ASSEMBLY AND CHAMBER IN GAS WATER HEATER
REPLACE PILOT AND THERMOCOUPL E ASSEMBLY FOR A GAS BURNER
REPLACE DUAL CONTROL VALVE ON WATER SUPPLY
INSTALL TANK DRAINER IN EXPANSION TANK
INSTALL SAFE PAN UNDER EXPOSED EXPANSION JOINTS
TROUBLE SHOOT AIR UNIT DRIPPING WATER
INSTALL WATER-AFTER COOLER
INSTALL 5 H.P. AIR COMPRESSOR AND RECEIVER
REPAIR CONTINUOUS RUNNING FLUSHOMETER