

| PROJECT SCHEDULE |                          |                |                       |                       |       |
|------------------|--------------------------|----------------|-----------------------|-----------------------|-------|
| NAME<br>HOSPITAL | LOCATION<br>AL JUBAIL/SA | OUTSIDE AIR    |                       | ALTITUDE<br>(M)<br>17 | NOTES |
|                  |                          | SCENARIO       | DB/WB/RH<br>(*C/*C/%) |                       |       |
|                  |                          | WINTER HEATING | 9.06/5/52.3           |                       |       |
|                  |                          | SUMMER COOLING | 44/23.33/16.7         |                       |       |
|                  |                          | ECONOMIZER     | 10/5.5/50             |                       |       |

| AIR HANDLER SCHEDULE |                                     |          |                           |                        |              |              |                   |                               |                                            |                |       |
|----------------------|-------------------------------------|----------|---------------------------|------------------------|--------------|--------------|-------------------|-------------------------------|--------------------------------------------|----------------|-------|
| ID                   | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | AIR                       | COMPONENTS             |              |              |                   | ELECTRICAL                    | PHYSICAL                                   |                | NOTES |
|                      |                                     |          | SUPPLY<br>AIRFLOW<br>(LS) | FANS                   | COILS        | FILTERS      | OTHER             | SINGLE<br>POINT<br>VOLT/PH/HZ | CABINET<br>LENGTH/<br>WIDTH/HEIGHT<br>(MM) | WEIGHT<br>(KG) |       |
| AH-1                 |                                     |          | 25957                     | RRLF-1, SF-1.1, SF-1.2 | CC-1, HC-1.1 | F-1.1, F-1.2 | OD-1, RD-1, RLD-1 | N/A                           | 13005/457/2/3251                           | 16742.1        |       |
| AH-2                 |                                     |          | 25957                     | RRLF-2, SF-2.1, SF-2.2 | CC-2, HC-2.1 | F-2.1, F-2.2 | OD-2, RD-2, RLD-2 | N/A                           | 13005/457/2/3251                           | 16742.1        |       |
| AH-3                 |                                     |          | 39172                     | RRLF-3, SF-3.1, SF-3.2 | CC-3, HC-3   | F-3          | OD-3, RD-3, RLD-3 | N/A                           | 14732/6071/3251                            | 24289.9        |       |
| AH-4                 |                                     |          | 39172                     | RRLF-4, SF-4.1, SF-4.2 | CC-4, HC-4   | F-4          | OD-4, RD-4, RLD-4 | N/A                           | 14732/6071/3251                            | 24289.9        |       |
| AH-5                 |                                     |          | 30677                     | RRLF-5, SF-5.1, SF-5.2 | CC-5, HC-5.1 | F-5.1, F-5.2 | OD-5, RD-5, RLD-5 | N/A                           | 13106/5055/3251                            | 18669.9        |       |

| AIR SEPARATOR SCHEDULE |                                     |          |                            |               |                  |                       |                             |                         |       |
|------------------------|-------------------------------------|----------|----------------------------|---------------|------------------|-----------------------|-----------------------------|-------------------------|-------|
| ID                     | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE                       | FLUID         |                  |                       |                             | PHYSICAL                | NOTES |
|                        |                                     |          |                            | FLOW<br>(L/S) | WORKING<br>FLUID | HEAD<br>LOSS<br>(KPA) | SYSTEM<br>PRESSURE<br>(KPA) | DIA./<br>HEIGHT<br>(MM) |       |
| AS-1                   | TACO ACT4F                          |          | TANK, TANGENTIAL, STRAINER | 0             | 30% P GLY        | 8.97                  | 344.7                       | 356/813                 | 1     |
| AS-2                   | TACO AC4F                           |          | TANK, INLINE, STRAINER     | 23.21         | WATER            | 8.97                  | 344.7                       | 406/797                 | 1     |

1. ASME CERTIFIED

## AUTOMATIC PUMP TRAP SCHEDULE

| ID     | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | STEAM                  |                                |                             |                           |                                    | PHYSICAL                            | NOTES |
|--------|-------------------------------------|----------|------------------------|--------------------------------|-----------------------------|---------------------------|------------------------------------|-------------------------------------|-------|
|        |                                     |          | FLOW<br>RATE<br>(KG/H) | OPERATING<br>PRESSURE<br>(KPA) | MOTIVE<br>PRESSURE<br>(KPA) | BACK<br>PRESSURE<br>(KPA) | MINIMUM<br>FILLING<br>HEAD<br>(MM) | LENGTH/<br>WIDTH/<br>HEIGHT<br>(MM) |       |
| APT-1  |                                     |          | 0                      | ?                              | 689.5                       | 0                         | 0                                  |                                     |       |
| APT-2  |                                     |          | 0                      | ?                              | 689.5                       | 0                         | 0                                  |                                     |       |
| APT-3  |                                     |          | 0                      | ?                              | 689.5                       | 0                         | 0                                  |                                     |       |
| APT-4  |                                     |          | 0                      | ?                              | 689.5                       | 0                         | 0                                  |                                     |       |
| APT-5  |                                     |          | 2703.9                 | 89.6                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-6  |                                     |          | 2703.9                 | 89.6                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-7  |                                     |          | 2703.9                 | 89.6                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-8  | SPIRAX SARCO APT10-4.5              |          | 2703.9                 | 89.6                           | 689.5                       | 44.8                      | 406.4                              | 277/188/272                         |       |
| APT-9  |                                     |          | 2703.9                 | 89.6                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-10 |                                     |          | 2703.9                 | 89.6                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-11 |                                     |          | 1465.5                 | 20.7                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-12 |                                     |          | 1465.5                 | 20.7                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-13 |                                     |          | 1465.5                 | 20.7                           | 689.5                       | 44.8                      | 0                                  |                                     |       |
| APT-14 |                                     |          | 1465.5                 | 20.7                           | 689.5                       | 44.8                      | 0                                  |                                     |       |

| STEAM BOILER SCHEDULE |                                     |          |                       |              |                                 |                                                 |                                          |                |                        |                                |                |                       |                     |                                  |                           |       |
|-----------------------|-------------------------------------|----------|-----------------------|--------------|---------------------------------|-------------------------------------------------|------------------------------------------|----------------|------------------------|--------------------------------|----------------|-----------------------|---------------------|----------------------------------|---------------------------|-------|
| ID                    | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE                  | FUEL<br>TYPE | MINIMUM<br>INPUT<br>LOAD<br>(W) | MINIMUM<br>INPUT<br>FLOW<br>(M <sup>3</sup> /H) | HEATING<br>VALUE<br>(KJ/M <sup>3</sup> ) | OUTPUT<br>LOAD | STEAM                  |                                | ELECTRICAL     |                       |                     | PHYSICAL                         |                           | NOTES |
|                       |                                     |          |                       |              |                                 |                                                 |                                          |                | FLOW<br>RATE<br>(KG/H) | OPERATING<br>PRESSURE<br>(KPA) | MOTOR<br>QUAN. | MOTOR<br>SIZE<br>(KW) | MOTOR<br>VOLT/PH/Hz | CONTROL<br>CIRCUIT<br>VOLT/PH/Hz | STACK<br>DIAMETER<br>(MM) |       |
|                       |                                     |          | FIRETUBE, DRY, FORCED | NAT GAS      | 5292700                         | 892.4                                           | 31785                                    | 4238780        | 7448.8                 | 688.5                          |                |                       |                     |                                  |                           |       |

| AIR-COOLED CHILLER SCHEDULE |                                     |          |       |        |              |                                               |                       |                                       |                  |                       |            |              |                                           |                      |                                      |                                     |       |
|-----------------------------|-------------------------------------|----------|-------|--------|--------------|-----------------------------------------------|-----------------------|---------------------------------------|------------------|-----------------------|------------|--------------|-------------------------------------------|----------------------|--------------------------------------|-------------------------------------|-------|
| ID                          | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE  | REFRIG | LOAD<br>(KW) | AIR                                           | FLUID                 |                                       |                  |                       | ELECTRICAL |              |                                           |                      | CHILLER<br>AND<br>CONTROL<br>CIRCUIT | PHYSICAL                            | NOTES |
|                             |                                     |          |       |        |              | AMBIENT<br>ENTERING<br>TEMP.<br>DB/WB<br>(°C) | FLOW<br>RATE<br>(L/S) | ENTERING/<br>LEAVING<br>TEMP.<br>(°C) | WORKING<br>FLUID | HEAD<br>LOSS<br>(KPA) | MAX<br>KW  | TOTAL<br>MCA | MAXIMUM<br>UNIT<br>EFFICIENCY<br>(KW/TON) | EFFICIENCY<br>RATING | VOLT/PH/Hz                           | LENGTH/<br>WIDTH/<br>HEIGHT<br>(MM) |       |
|                             |                                     |          | OTHER | R-22   | 3949.3       | 44/23.33                                      | 121.37                | 15/7.2                                | WATER            | 0                     |            |              |                                           |                      |                                      |                                     |       |

| AIR HANDLER HYDRONIC COIL SCHEDULE |                                     |          |         |                          |             |                         |                                    |                                   |                            |                       |                                       |                  |                       |              |                                              |                                 |                                             |  |       |
|------------------------------------|-------------------------------------|----------|---------|--------------------------|-------------|-------------------------|------------------------------------|-----------------------------------|----------------------------|-----------------------|---------------------------------------|------------------|-----------------------|--------------|----------------------------------------------|---------------------------------|---------------------------------------------|--|-------|
| ID                                 | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | USAGE   | AIR                      |             |                         |                                    |                                   | HYDRONIC                   |                       |                                       |                  |                       | PHYSICAL     |                                              |                                 |                                             |  | NOTES |
|                                    |                                     |          |         | AIRFLOW<br>RATE<br>(L/S) | LOAD<br>(W) | SENSIBLE<br>LOAD<br>(W) | ENTERING<br>TEMP.<br>DB/WB<br>(°C) | LEAVING<br>TEMP.<br>DB/WB<br>(°C) | STATIC<br>PRESSURE<br>(PA) | FLOW<br>RATE<br>(L/S) | ENTERING/<br>LEAVING<br>TEMP.<br>(°C) | WORKING<br>FLUID | HEAD<br>LOSS<br>(KPA) | NO.<br>COILS | EACH<br>COIL FIN<br>WIDTH/<br>HEIGHT<br>(MM) | MINIMUM<br>FACE<br>AREA<br>(M²) | MINIMUM<br>NO.<br>ROWS/<br>FINS PER<br>INCH |  |       |
| CC-1                               |                                     | AH-1     | COOLING | 25957                    | 590860      | 510670                  | 26.9/16.8                          | 10/9.2                            | 187                        | 18.17                 | 7.2/15                                | WATER            | 44.9                  | 6            | 2032/876                                     | 10.68                           | 10/10                                       |  |       |
| CC-2                               |                                     | AH-2     | COOLING | 25957                    | 687690      | 586670                  | 29.6/18                            | 10/9.2                            | 187                        | 21.15                 | 7.2/15                                | WATER            | 44.9                  | 6            | 2032/876                                     | 10.68                           | 10/10                                       |  |       |
| CC-3                               |                                     | AH-3     | COOLING | 39172                    | 874830      | 757440                  | 26.6/16.7                          | 10/9.2                            | 187                        | 26.91                 | 7.2/15                                | WATER            | 44.9                  | 6            | 2870/876                                     | 15.09                           | 10/10                                       |  |       |
| CC-4                               |                                     | AH-4     | COOLING | 39172                    | 874830      | 757440                  | 26.6/16.7                          | 10/9.2                            | 187                        | 26.91                 | 7.2/15                                | WATER            | 44.9                  | 6            | 2870/876                                     | 15.09                           | 10/10                                       |  |       |
| CC-5                               |                                     | AH-5     | COOLING | 30677                    | 707690      | 596870                  | 26.7/16.9                          | 10/9.2                            | 187                        | 21.77                 | 7.2/15                                | WATER            | 44.9                  | 6            | 2311/876                                     | 12.15                           | 10/10                                       |  |       |
| HC-1.1                             |                                     | AH-1     | HEATING | 15574                    | 0           | 0                       | 17.8/9.2                           | 17.8/9.2                          | 62                         | 0                     | ??                                    | 30% P GLY        | 15                    | 6            | 2032/876                                     | 10.68                           | 2/8                                         |  |       |
| HC-2.1                             |                                     | AH-2     | HEATING | 15574                    | 0           | 0                       | 15.7/8.2                           | 15.7/8.2                          | 62                         | 0                     | ??                                    | 30% P GLY        | 15                    | 6            | 2032/876                                     | 10.68                           | 2/8                                         |  |       |
| HC-3                               |                                     | AH-3     | HEATING | 23503                    | 0           | 0                       | 17.8/9.2                           | 17.8/9.2                          | 62                         | 0                     | ??                                    | 30% P GLY        | 15                    | 6            | 2870/876                                     | 15.09                           | 2/8                                         |  |       |
| HC-4                               |                                     | AH-4     | HEATING | 23503                    | 0           | 0                       | 17.8/9.2                           | 17.8/9.2                          | 62                         | 0                     | ??                                    | 30% P GLY        | 15                    | 6            | 2870/876                                     | 15.09                           | 2/8                                         |  |       |
| HC-5.1                             |                                     | AH-5     | HEATING | 18406                    | 0           | 0                       | 15.1/7.9                           | 15.1/7.9                          | 62                         | 0                     | 82.2/60                               | 30% P GLY        | 15                    | 6            | 2311/876                                     | 12.15                           | 2/8                                         |  |       |

| CONDENSATE RECEIVER SCHEDULE |                                     |          |            |                        |                             |       |
|------------------------------|-------------------------------------|----------|------------|------------------------|-----------------------------|-------|
| ID                           | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE       | STEAM                  | PHYSICAL                    | NOTES |
|                              |                                     |          |            | FLOW<br>RATE<br>(KG/H) | LENGTH/<br>DIAMETER<br>(MM) |       |
| REC-1                        |                                     |          | NOT VENTED | 0                      | 610/152.4                   |       |
| REC-2                        |                                     |          | NOT VENTED | 0                      | 610/152.4                   |       |
| REC-3                        |                                     |          | NOT VENTED | 2703.9                 | 610/152.4                   |       |
| REC-4                        |                                     |          | NOT VENTED | 2703.9                 | 610/152.4                   |       |
| REC-5                        |                                     |          | NOT VENTED | 1465.5                 | 610/152.4                   |       |
| REC-6                        |                                     |          | NOT VENTED | 1465.5                 | 610/152.4                   |       |

| EXHAUST AIR DAMPER SCHEDULE |                                     |          |                 |                    |                                     |                            |                              |                                                         |       |
|-----------------------------|-------------------------------------|----------|-----------------|--------------------|-------------------------------------|----------------------------|------------------------------|---------------------------------------------------------|-------|
| ID                          | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | CONTROL<br>TYPE | BLADE<br>OPERATION | AIR                                 |                            | ELECTRICAL<br><br>VOLT/PH/HZ | PHYSICAL<br><br>WIDTH/<br>HEIGHT OR<br>DIAMETER<br>(MM) | NOTES |
|                             |                                     |          |                 |                    | MAXIMUM<br>AIRFLOW<br>RATE<br>(L/S) | STATIC<br>PRESSURE<br>(PA) |                              |                                                         |       |
| DED-1                       |                                     |          | MODULATING      | OPPOSED            | 2161                                | 24.9                       | 24/1/60                      | 559/762                                                 |       |
| DED-2                       |                                     |          | MODULATING      | OPPOSED            | 6175                                | 24.9                       | 24/1/60                      | 1600/762                                                |       |
| DED-3                       |                                     |          | MODULATING      | OPPOSED            | 4157                                | 24.9                       | 24/1/60                      | 1092/762                                                |       |
| DED-4                       |                                     |          | MODULATING      | OPPOSED            | 2948                                | 24.9                       | 24/1/60                      | 762/762                                                 |       |
| DED-5                       |                                     |          | MODULATING      | OPPOSED            | 472                                 | 24.9                       | 24/1/60                      | 127/762                                                 |       |
| DED-6                       |                                     |          | MODULATING      | OPPOSED            | 120                                 | 24.9                       | 24/1/60                      | 51/762                                                  |       |
| DED-7                       |                                     |          | MODULATING      | OPPOSED            | 421                                 | 24.9                       | 24/1/60                      | 127/762                                                 |       |
| DED-8                       |                                     |          | MODULATING      | OPPOSED            | 261                                 | 24.9                       | 24/1/60                      | 76/762                                                  |       |
| DED-9                       |                                     |          | MODULATING      | OPPOSED            | 248                                 | 24.9                       | 24/1/60                      | 76/762                                                  |       |
| DED-10                      |                                     |          | MODULATING      | OPPOSED            | 248                                 | 24.9                       | 24/1/60                      | 76/762                                                  |       |
| DED-11                      |                                     |          | MODULATING      | OPPOSED            | 1080                                | 24.9                       | 24/1/60                      | 279/762                                                 |       |

**AIR HANDLER OUTSIDE AIR DAMPER SCHEDULE**

| ID   | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | CONTROL<br>TYPE | BLADE<br>OPERATION | AIR                                 |                            | ELECTRICAL | PHYSICAL                                | NOTES |
|------|-------------------------------------|----------|-----------------|--------------------|-------------------------------------|----------------------------|------------|-----------------------------------------|-------|
|      |                                     |          |                 |                    | MAXIMUM<br>AIRFLOW<br>RATE<br>(L/S) | STATIC<br>PRESSURE<br>(PA) |            | WIDTH/<br>HEIGHT OR<br>DIAMETER<br>(MM) |       |
| OD-1 |                                     | AH-1     | MODULATING      | OPPOSED            | 25957                               | 24.9                       | 24/1/60    | 6706/762                                |       |
| OD-2 |                                     | AH-2     | MODULATING      | OPPOSED            | 25957                               | 24.9                       | 24/1/60    | 6706/762                                |       |
| OD-3 |                                     | AH-3     | MODULATING      | OPPOSED            | 39172                               | 24.9                       | 24/1/60    | 10135/762                               |       |
| OD-4 |                                     | AH-4     | MODULATING      | OPPOSED            | 39172                               | 24.9                       | 24/1/60    | 10135/762                               |       |
| OD-5 |                                     | AH-5     | MODULATING      | OPPOSED            | 30677                               | 24.9                       | 24/1/60    | 7925/762                                |       |

| RELIEF AIR DAMPER SCHEDULE |                                     |          |                 |                    |                                     |                            |            |                                         |       |
|----------------------------|-------------------------------------|----------|-----------------|--------------------|-------------------------------------|----------------------------|------------|-----------------------------------------|-------|
| ID                         | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | CONTROL<br>TYPE | BLADE<br>OPERATION | AIR                                 |                            | ELECTRICAL | PHYSICAL                                | NOTES |
|                            |                                     |          |                 |                    | MAXIMUM<br>AIRFLOW<br>RATE<br>(L/S) | STATIC<br>PRESSURE<br>(PA) |            | WIDTH/<br>HEIGHT OR<br>DIAMETER<br>(MM) |       |
| DRLD-1                     |                                     |          | MODULATING      | OPPOSED            | 127024                              | 24.9                       | 24/1/60    | 32817/762                               |       |

**AIR HANDLER RELIEF AIR DAMPER SCHEDULE**

| ID    | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | CONTROL<br>TYPE | BLADE<br>OPERATION | AIR                                 |                            | ELECTRICAL | PHYSICAL                                | NOTES |
|-------|-------------------------------------|----------|-----------------|--------------------|-------------------------------------|----------------------------|------------|-----------------------------------------|-------|
|       |                                     |          |                 |                    | MAXIMUM<br>AIRFLOW<br>RATE<br>(L/S) | STATIC<br>PRESSURE<br>(PA) |            | WIDTH/<br>HEIGHT OR<br>DIAMETER<br>(MM) |       |
| RLD-1 |                                     | AH-1     | MODULATING      | OPPOSED            | 20400                               | 24.9                       | 24/1/60    | 5283/762                                |       |
| RLD-2 |                                     | AH-2     | MODULATING      | OPPOSED            | 17187                               | 24.9                       | 24/1/60    | 4445/762                                |       |
| RLD-3 |                                     | AH-3     | MODULATING      | OPPOSED            | 35007                               | 24.9                       | 24/1/60    | 9068/762                                |       |
| RLD-4 |                                     | AH-4     | MODULATING      | OPPOSED            | 35007                               | 24.9                       | 24/1/60    | 9068/762                                |       |
| RLD-5 |                                     | AH-5     | MODULATING      | OPPOSED            | 19424                               | 24.9                       | 24/1/60    | 5029/762                                |       |

## AIR HANDLER RETURN AIR DAMPER SCHEDULE

| ID   | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | CONTROL<br>TYPE | BLADE<br>OPERATION | AIR                                 |                            | ELECTRICAL | PHYSICAL                                | NOTES |
|------|-------------------------------------|----------|-----------------|--------------------|-------------------------------------|----------------------------|------------|-----------------------------------------|-------|
|      |                                     |          |                 |                    | MAXIMUM<br>AIRFLOW<br>RATE<br>(L/S) | STATIC<br>PRESSURE<br>(PA) |            | WIDTH/<br>HEIGHT OR<br>DIAMETER<br>(MM) |       |
| RD-1 |                                     | AH-1     | MODULATING      | OPPOSED            | 20400                               | 24.9                       | 24/1/60    | 5283/762                                |       |
| RD-2 |                                     | AH-2     | MODULATING      | OPPOSED            | 17187                               | 24.9                       | 24/1/60    | 4445/762                                |       |
| RD-3 |                                     | AH-3     | MODULATING      | OPPOSED            | 31337                               | 24.9                       | 24/1/60    | 8103/762                                |       |
| RD-4 |                                     | AH-4     | MODULATING      | OPPOSED            | 31337                               | 24.9                       | 24/1/60    | 8103/762                                |       |
| RD-5 |                                     | AH-5     | MODULATING      | OPPOSED            | 19424                               | 24.9                       | 24/1/60    | 5029/762                                |       |

| DEAERATOR SCHEDULE |                                     |          |                           |                   |                        |                       |                         |            |                                  |                     |              |                                     |       |
|--------------------|-------------------------------------|----------|---------------------------|-------------------|------------------------|-----------------------|-------------------------|------------|----------------------------------|---------------------|--------------|-------------------------------------|-------|
| ID                 | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE                      | MIN BOILER OUTPUT |                        | ELECTRICAL            |                         |            |                                  | PHYSICAL            |              |                                     |       |
|                    |                                     |          |                           | LOAD<br>(W)       | FLOW<br>RATE<br>(KG/H) | MOTOR<br>SIZE<br>(KW) | MOTOR<br>SPEED<br>(RPM) | VOLT/PH/Hz | CONTROL<br>CIRCUIT<br>VOLT/PH/Hz | TANK<br>SIZE<br>(L) | CONSTRUCTION | LENGTH/<br>WIDTH/<br>HEIGHT<br>(MM) | NOTES |
|                    |                                     |          | LOW PROFILE TRAY, 2 PUMPS | 8479520           | 14897.7                |                       |                         |            | 120/1/60                         |                     | WELDED STEEL |                                     |       |

| EXPANSION TANK SCHEDULE |                                  |          |                     |                  |                                           |                                      |                                         |                                      |                     |                         |                        |       |
|-------------------------|----------------------------------|----------|---------------------|------------------|-------------------------------------------|--------------------------------------|-----------------------------------------|--------------------------------------|---------------------|-------------------------|------------------------|-------|
| ID                      | MANUFACTURER AND<br>MODEL NUMBER | LOCATION | TYPE                | FLUID            |                                           |                                      |                                         |                                      | PHYSICAL            |                         |                        | NOTES |
|                         |                                  |          |                     | WORKING<br>FLUID | MIN. TANK/<br>ACCEPTANCE<br>VOLUME<br>(L) | MINIMUM<br>FILL<br>PRESSURE<br>(KPA) | MAXIMUM<br>WORKING<br>PRESSURE<br>(KPA) | RELIEF<br>VALVE<br>PRESSURE<br>(KPA) | TANK<br>SIZE<br>(L) | DIA./<br>HEIGHT<br>(MM) | NPT<br>FITTING<br>(DN) |       |
| ET-1                    | TACO CBX-300                     |          | VERT. BLADDER, FULL | 30% P. GLY       | 64.2/37.1                                 | 72.4                                 | 310.3                                   | 344.74                               | 299.05              | 610/1397                | 15                     | 1     |
| ET-2                    | TACO PAX-130                     |          | VERT. BLADDER, FULL | WATER            | 84.5/48.9                                 | 72.4                                 | 310.3                                   | 344.74                               | 128.7               | 406/1397                | 15                     | 1     |
| ET-3                    | TACO PAX-130                     |          | VERT. BLADDER, FULL | WATER            | 84.5/48.9                                 | 72.4                                 | 310.3                                   | 344.74                               | 128.7               | 406/1397                | 15                     | 1     |
| ET-4                    | TACO CBX-15                      |          | VERT. BLADDER, FULL | WATER            | 12.6/5                                    | 72.4                                 | 186.2                                   | 206.84                               | 15.14               | 356/381                 | 15                     | 1     |

1. ASME CERTIFIED

| EXHAUST AIR FAN SCHEDULE |                                     |          |     |                               |                                     |                                     |                                        |                             |                       |                              |                       |                       |                      |                         |            |                                     |       |
|--------------------------|-------------------------------------|----------|-----|-------------------------------|-------------------------------------|-------------------------------------|----------------------------------------|-----------------------------|-----------------------|------------------------------|-----------------------|-----------------------|----------------------|-------------------------|------------|-------------------------------------|-------|
| ID                       | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | QTY | TYPE                          | AIR                                 |                                     |                                        |                             | FAN                   |                              |                       | ELECTRICAL            |                      |                         |            | PHYSICAL                            |       |
|                          |                                     |          |     |                               | MAXIMUM<br>AIRFLOW<br>RATE<br>(L/S) | TOTAL<br>STATIC<br>PRESSURE<br>(PA) | EXTERNAL<br>STATIC<br>PRESSURE<br>(PA) | MAX<br>AIR<br>TEMP.<br>(°C) | FAN<br>SPEED<br>(RPM) | FAN<br>WHEEL<br>DIA.<br>(MM) | STATIC<br>EFF.<br>(%) | MOTOR<br>SIZE<br>(KW) | MOTOR<br>BHP<br>(KW) | MOTOR<br>SPEED<br>(RPM) | VOLT/PH/Hz | LENGTH/<br>WIDTH/<br>HEIGHT<br>(MM) | NOTES |
| DEF-1                    |                                     |          | 1   | BACK-INCLINED VENT SET, BELT  | 261                                 | 378                                 | 378                                    | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DEF-2                    |                                     |          | 1   | BACK-INCLINED VENT SET, BELT  | 472                                 | 333                                 | 333                                    | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DEF-3                    |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 9911                                | 234                                 | 184                                    | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DEF-4                    |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 684                                 | 159                                 | 159                                    | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DEF-5                    |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 3068                                | 259                                 | 184                                    | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DEF-6                    |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 684                                 | 159                                 | 159                                    | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DEF-7                    |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 4578                                | 284                                 | 184                                    | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DEF-8                    |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 94                                  | 25                                  | 0                                      | 22.2                        |                       |                              | 0                     |                       |                      |                         |            |                                     |       |

| AIR HANDLER RETURN/RELIEF AIR FAN SCHEDULE |                               |          |     |                       |                            |                            |                               |                    |                 |                     |                 |                 |                |                   |            |                            |       |
|--------------------------------------------|-------------------------------|----------|-----|-----------------------|----------------------------|----------------------------|-------------------------------|--------------------|-----------------|---------------------|-----------------|-----------------|----------------|-------------------|------------|----------------------------|-------|
| ID                                         | MANUFACTURER AND MODEL NUMBER | LOCATION | QTY | TYPE                  | AIR                        |                            |                               |                    | FAN             |                     |                 | ELECTRICAL      |                |                   |            | PHYSICAL                   |       |
|                                            |                               |          |     |                       | MAXIMUM AIRFLOW RATE (L/S) | TOTAL STATIC PRESSURE (PA) | EXTERNAL STATIC PRESSURE (PA) | MAX AIR TEMP. (°C) | FAN SPEED (RPM) | FAN WHEEL DIA. (MM) | STATIC EFF. (%) | MOTOR SIZE (KW) | MOTOR BHP (KW) | MOTOR SPEED (RPM) | VOLT/PH/Hz | LENGTH/ WIDTH/ HEIGHT (MM) | NOTES |
| RRLF-1                                     |                               | AH-1     | 1   | PLENUM, CENTRIF. BELT | 20400                      | 398                        | 368                           | 22.2               |                 |                     | 0               |                 |                |                   |            |                            |       |
| RRLF-2                                     |                               | AH-2     | 1   | PLENUM, CENTRIF. BELT | 17187                      | 398                        | 368                           | 22.2               |                 |                     | 0               |                 |                |                   |            |                            |       |
| RRLF-3                                     |                               | AH-3     | 1   | PLENUM, CENTRIF. BELT | 35007                      | 440                        | 396                           | 22.2               |                 |                     | 0               |                 |                |                   |            |                            |       |
| RRLF-4                                     |                               | AH-4     | 1   | PLENUM, CENTRIF. BELT | 35007                      | 440                        | 396                           | 22.2               |                 |                     | 0               |                 |                |                   |            |                            |       |
| RRLF-5                                     |                               | AH-5     | 1   | PLENUM, CENTRIF. BELT | 19424                      | 398                        | 368                           | 22.2               |                 |                     | 0               |                 |                |                   |            |                            |       |

| SUPPLY AIR FAN SCHEDULE |                                     |          |     |                               |                                    |                                     |                                        |                             |                       |                              |                       |                       |                      |                         |            |                                     |       |
|-------------------------|-------------------------------------|----------|-----|-------------------------------|------------------------------------|-------------------------------------|----------------------------------------|-----------------------------|-----------------------|------------------------------|-----------------------|-----------------------|----------------------|-------------------------|------------|-------------------------------------|-------|
| ID                      | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | QTY | TYPE                          | AIR                                |                                     |                                        |                             | FAN                   |                              |                       | ELECTRICAL            |                      |                         |            | PHYSICAL                            |       |
|                         |                                     |          |     |                               | MAXIMUM<br>AIRFLOW<br>RATE<br>(LS) | TOTAL<br>STATIC<br>PRESSURE<br>(PA) | EXTERNAL<br>STATIC<br>PRESSURE<br>(PA) | MAX<br>AIR<br>TEMP.<br>(°C) | FAN<br>SPEED<br>(RPM) | FAN<br>WHEEL<br>DIA.<br>(MM) | STATIC<br>EFF.<br>(%) | MOTOR<br>SIZE<br>(KW) | MOTOR<br>BHP<br>(KW) | MOTOR<br>SPEED<br>(RPM) | VOLT/PH/Hz | LENGTH/<br>WIDTH/<br>HEIGHT<br>(MM) | NOTES |
| DSF-1                   |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 2077                               | 224                                 | 80                                     | ?                           |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DSF-2                   |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 1746                               | 224                                 | 80                                     | ?                           |                       |                              | 0                     |                       |                      |                         |            |                                     |       |
| DSF-3                   |                                     |          | 1   | TUBULAR INLINE, CENTRIF. BELT | 3256                               | 224                                 | 80                                     | ?                           |                       |                              | 0                     |                       |                      |                         |            |                                     |       |

| AIR HANDLER SUPPLY AIR FAN SCHEDULE |                               |          |     |                          |                            |                            |                               |                    |                 |                     |                 |                 |                |                   |            |                            |       |
|-------------------------------------|-------------------------------|----------|-----|--------------------------|----------------------------|----------------------------|-------------------------------|--------------------|-----------------|---------------------|-----------------|-----------------|----------------|-------------------|------------|----------------------------|-------|
| ID                                  | MANUFACTURER AND MODEL NUMBER | LOCATION | QTY | TYPE                     | AIR                        |                            |                               |                    | FAN             |                     |                 | ELECTRICAL      |                |                   |            | PHYSICAL                   |       |
|                                     |                               |          |     |                          | MAXIMUM AIRFLOW RATE (L/S) | TOTAL STATIC PRESSURE (PA) | EXTERNAL STATIC PRESSURE (PA) | MAX AIR TEMP. (°C) | FAN SPEED (RPM) | FAN WHEEL DIA. (MM) | STATIC EFF. (%) | MOTOR SIZE (KW) | MOTOR BHP (KW) | MOTOR SPEED (RPM) | VOLT/PH/Hz | LENGTH/ WIDTH/ HEIGHT (MM) | NOTES |
| SF-1.1                              |                               | AH-1     | 1   | MIXED FLOW CENTRIF. BELT | 12979                      | 1100                       | 411                           | 26.9               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-1.2                              |                               | AH-1     | 1   | MIXED FLOW CENTRIF. BELT | 12979                      | 1100                       | 411                           | 26.9               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-2.1                              |                               | AH-2     | 1   | MIXED FLOW CENTRIF. BELT | 12979                      | 1100                       | 411                           | 29.6               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-2.2                              |                               | AH-2     | 1   | MIXED FLOW CENTRIF. BELT | 12979                      | 1100                       | 411                           | 29.6               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-3.1                              |                               | AH-3     | 1   | MIXED FLOW CENTRIF. BELT | 19586                      | 1070                       | 381                           | 26.6               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-3.2                              |                               | AH-3     | 1   | MIXED FLOW CENTRIF. BELT | 19586                      | 1070                       | 381                           | 26.6               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-4.1                              |                               | AH-4     | 1   | MIXED FLOW CENTRIF. BELT | 19586                      | 1070                       | 381                           | 26.6               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-4.2                              |                               | AH-4     | 1   | MIXED FLOW CENTRIF. BELT | 19586                      | 1070                       | 381                           | 26.6               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-5.1                              |                               | AH-5     | 1   | MIXED FLOW CENTRIF. BELT | 15338                      | 1100                       | 411                           | 26.7               |                 |                     | 0               |                 |                |                   |            |                            |       |
| SF-5.2                              |                               | AH-5     | 1   | MIXED FLOW CENTRIF. BELT | 15338                      | 1100                       | 411                           | 26.7               |                 |                     | 0               |                 |                |                   |            |                            |       |

| AIR HANDLER FILTER SCHEDULE |                                     |          |                         |           |             |                                     |                                     |                              |                              |                   |       |
|-----------------------------|-------------------------------------|----------|-------------------------|-----------|-------------|-------------------------------------|-------------------------------------|------------------------------|------------------------------|-------------------|-------|
| ID                          | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | FILTRATION              | TYPE      | ARRANGEMENT | AIR                                 |                                     | PHYSICAL                     |                              |                   | NOTES |
|                             |                                     |          |                         |           |             | CLEAN<br>STATIC<br>PRESSURE<br>(PA) | DIRTY<br>STATIC<br>PRESSURE<br>(PA) | NUMBER<br>24"X24"<br>MODULES | NUMBER<br>12"X24"<br>MODULES | THICKNESS<br>(MM) |       |
| F-1.1                       |                                     | AH-1     | MERV 8 (NON-DEGRADING)  | CARTRIDGE | FLAT        | 49.8                                | 99.5                                | 28                           | 7                            | 50.8              |       |
| F-1.2                       |                                     | AH-1     | MERV 14 (NON-DEGRADING) | BAG       | FLAT        | 174.2                               | 248.8                               | 28                           | 7                            | 50.8              |       |
| F-2.1                       |                                     | AH-2     | MERV 8 (NON-DEGRADING)  | CARTRIDGE | FLAT        | 49.8                                | 99.5                                | 28                           | 7                            | 50.8              |       |
| F-2.2                       |                                     | AH-2     | MERV 14 (NON-DEGRADING) | BAG       | FLAT        | 174.2                               | 248.8                               | 28                           | 7                            | 50.8              |       |
| F-3                         |                                     | AH-3     | MERV 8 (NON-DEGRADING)  | CARTRIDGE | FLAT        | 49.8                                | 99.5                                | 36                           | 13                           | 50.8              |       |
| F-4                         |                                     | AH-4     | MERV 8 (NON-DEGRADING)  | CARTRIDGE | FLAT        | 49.8                                | 99.5                                | 36                           | 13                           | 50.8              |       |
| F-5.1                       |                                     | AH-5     | MERV 8 (NON-DEGRADING)  | CARTRIDGE | FLAT        | 49.8                                | 99.5                                | 32                           | 8                            | 50.8              |       |
| F-5.2                       |                                     | AH-5     | MERV 14 (NON-DEGRADING) | BAG       | FLAT        | 174.2                               | 248.8                               | 32                           | 8                            | 50.8              |       |

| FLASH VESSEL SCHEDULE |                                     |          |                |                        |                        |                             |       |
|-----------------------|-------------------------------------|----------|----------------|------------------------|------------------------|-----------------------------|-------|
| ID                    | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE           | INLET                  |                        | PHYSICAL                    | NOTES |
|                       |                                     |          |                | FLOW<br>RATE<br>(KG/H) | FLOW<br>RATE<br>(KG/H) | DIAMETER/<br>HEIGHT<br>(MM) |       |
| FV-1                  |                                     |          | FLASH RECOVERY | 952.6                  | 94.3                   |                             |       |

| STEAM-TO-HYDRONIC HEAT EXCHANGER SCHEDULE |                               |          |              |         |           |                       |                         |                            |                             |               |                 |                                   |                   |       |
|-------------------------------------------|-------------------------------|----------|--------------|---------|-----------|-----------------------|-------------------------|----------------------------|-----------------------------|---------------|-----------------|-----------------------------------|-------------------|-------|
| ID                                        | MANUFACTURER AND MODEL NUMBER | LOCATION | TYPE         | USAGE   | LOAD (KW) | SOURCE MEDIUM (STEAM) |                         | TRANSFER MEDIUM (HYDRONIC) |                             |               | PHYSICAL        |                                   |                   | NOTES |
|                                           |                               |          |              |         |           | FLOW RATE (KG/H)      | ENTERING PRESSURE (KPA) | FLOW RATE (L/S)            | ENTERING/LEAVING TEMP. (°C) | WORKING FLUID | HEAD LOSS (KPA) | DIA./ LENGTH/ NO. PLATES (MM/ MM) | SURFACE AREA (M²) |       |
| HX-1                                      |                               |          | SHELL & TUBE | HEATING | 0         | 0                     | 206.8                   | 0                          | 7/82.2                      | 30% P GLY     | 44.85           |                                   |                   |       |
| HX-2                                      |                               |          | SHELL & TUBE | HEATING | 0         | 0                     | 206.8                   | 0                          | 7/82.2                      | 30% P GLY     | 44.85           |                                   |                   |       |
| HX-3                                      | TACO E14206-S                 |          | SHELL & TUBE | HEATING | 1539010   | 2703.9                | 103.4                   | 23.21                      | 66/82.2                     | WATER         | 44.85           | 356/1413/                         | 7.033             | 1     |
| HX-4                                      | TACO E14206-S                 |          | SHELL & TUBE | HEATING | 1539010   | 2703.9                | 103.4                   | 23.21                      | 66/82.2                     | WATER         | 44.85           | 356/1413/                         | 7.033             | 1     |
| HX-5                                      | TACO E08210-S                 |          | SHELL & TUBE | HEATING | 834150    | 1465.5                | 34.5                    | 4.67                       | 5.7/48.9                    | WATER         | 44.85           | 219/1524/                         | 3.939             | 1     |
| HX-6                                      | TACO E08210-S                 |          | SHELL & TUBE | HEATING | 834150    | 1465.5                | 34.5                    | 4.67                       | 5.7/48.9                    | WATER         | 44.85           | 219/1524/                         | 3.939             | 1     |

1. ASME CERTIFIED

| PUMP SCHEDULE |                                     |          |                                            |                       |                  |                       |                   |                                   |                       |                      |                         |            |       |
|---------------|-------------------------------------|----------|--------------------------------------------|-----------------------|------------------|-----------------------|-------------------|-----------------------------------|-----------------------|----------------------|-------------------------|------------|-------|
| ID            | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE                                       | FLUID                 |                  |                       | PUMP              |                                   | ELECTRICAL            |                      |                         |            | NOTES |
|               |                                     |          |                                            | FLOW<br>RATE<br>(L/S) | WORKING<br>FLUID | HEAD<br>LOSS<br>(KPA) | EFFICIENCY<br>(%) | CONSTRUCTION<br>CASING / IMPELLER | MOTOR<br>SIZE<br>(KW) | MOTOR<br>BHP<br>(KW) | MOTOR<br>SPEED<br>(RPM) | VOLT/PH/Hz |       |
| P-1           | TACO FI2506                         |          | BASE-MOUNTED, END SUCTION                  | 0                     | 30% P GLY        | 0                     | 69                | IRON / BRONZE                     | 1.5                   | 1.027                | 1760                    | 460/3/60   |       |
| P-2           | TACO FI2506                         |          | BASE-MOUNTED, END SUCTION                  | 0                     | 30% P GLY        | 0                     | 69                | IRON / BRONZE                     | 1.5                   | 1.027                | 1760                    | 460/3/60   |       |
| P-3           | TACO FI3007                         |          | BASE-MOUNTED, END SUCTION                  | 23.21                 | WATER            | 134.7                 | 76.7              | IRON / BRONZE                     | 5.5                   | 3.393                | 1760                    | 460/3/60   |       |
| P-4           | TACO FI3007                         |          | BASE-MOUNTED, END SUCTION                  | 23.21                 | WATER            | 134.7                 | 76.7              | IRON / BRONZE                     | 5.5                   | 3.393                | 1760                    | 460/3/60   |       |
| P-5           | TACO TA1224                         |          | ORIZ. SPLIT CASE, DBL SUCTION, SINGLE-STAG | 60.68                 | WATER            | 185.2                 | 81                | IRON / BRONZE                     | 15                    | 11.09                | 1760                    | 460/3/60   |       |
| P-6           | TACO TA1224                         |          | ORIZ. SPLIT CASE, DBL SUCTION, SINGLE-STAG | 60.68                 | WATER            | 185.2                 | 81                | IRON / BRONZE                     | 15                    | 11.09                | 1760                    | 460/3/60   |       |
| P-7           | GRUNDFOS CRIE 1-5                   |          | VERTICAL, SPLIT-COUPLED, IN-LINE           | 0.16                  | WATER            | 349.8                 | 36                | SS / SS                           | 0.37                  | 0.373                | 3500                    | 208/1/60   |       |
| P-8           | GRUNDFOS CRIE 1-5                   |          | VERTICAL, SPLIT-COUPLED, IN-LINE           | 0.16                  | WATER            | 349.8                 | 36                | SS / SS                           | 0.37                  | 0.373                | 3500                    | 208/1/60   |       |

| SPACE SCHEDULE |          |              |                            |                            |                            |                             |                             |                                         |                                      |                                           |                            |                            |                            |                             |                             |                                         |                                      |                                           |
|----------------|----------|--------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------------------|--------------------------------------|-------------------------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------------------|--------------------------------------|-------------------------------------------|
| ID             | LOCATION | AREA<br>(MF) | HEATING                    |                            |                            |                             |                             |                                         |                                      | COOLING                                   |                            |                            |                            |                             |                             |                                         |                                      |                                           |
|                |          |              | SUPPLY<br>AIRFLOW<br>(L/S) | RETURN<br>AIRFLOW<br>(L/S) | RELIEF<br>AIRFLOW<br>(L/S) | OUTSIDE<br>AIRFLOW<br>(L/S) | EXHAUST<br>AIRFLOW<br>(L/S) | PRESSUR-<br>IZATION<br>AIRFLOW<br>(L/S) | VENTI-<br>LATION<br>AIRFLOW<br>(L/S) | TARGET<br>SPACE<br>AIR<br>DB/RH<br>("C")% | SUPPLY<br>AIRFLOW<br>(L/S) | RETURN<br>AIRFLOW<br>(L/S) | RELIEF<br>AIRFLOW<br>(L/S) | OUTSIDE<br>AIRFLOW<br>(L/S) | EXHAUST<br>AIRFLOW<br>(L/S) | PRESSUR-<br>IZATION<br>AIRFLOW<br>(L/S) | VENTI-<br>LATION<br>AIRFLOW<br>(L/S) | TARGET<br>SPACE<br>AIR<br>DB/RH<br>("C")% |
| SPC-1          |          | 0            | 15574                      | 10383                      | 672                        | 5191                        | 2952                        | 1557                                    | 5191                                 | 22.22/40                                  | 25957                      | 20400                      | 0                          | 8770                        | 6175                        | 2596                                    | 5191                                 | 22.22/40                                  |
| SPC-2          |          | 0            | 15574                      | 7842                       | 0                          | 7732                        | 6175                        | 1557                                    | 5191                                 | 22.22/40                                  | 25957                      | 17187                      | 0                          | 8770                        | 6175                        | 2596                                    | 5191                                 | 22.22/40                                  |
| SPC-3          |          | 0            | 23503                      | 15699                      | 5236                       | 7834                        | 248                         | 2350                                    | 7834                                 | 22.22/40                                  | 39172                      | 31337                      | 3669                       | 7834                        | 248                         | 3917                                    | 7834                                 | 22.22/40                                  |
| SPC-4          |          | 0            | 23503                      | 15699                      | 5236                       | 7834                        | 248                         | 2350                                    | 7834                                 | 22.22/40                                  | 39172                      | 31337                      | 3669                       | 7834                        | 248                         | 3917                                    | 7834                                 | 22.22/40                                  |
| SPC-5          |          | 0            | 18406                      | 8380                       | 0                          | 10026                       | 8185                        | 1841                                    | 8135                                 | 22.22/40                                  | 30677                      | 19424                      | 0                          | 11253                       | 8185                        | 3068                                    | 8135                                 | 16.67/40                                  |

## STEAM TRAP SCHEDULE

| ID    | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE                 | BODY<br>CONSTRUCTION | STEAM                  |                                |                           | PHYSICAL                | NOTES |
|-------|-------------------------------------|----------|----------------------|----------------------|------------------------|--------------------------------|---------------------------|-------------------------|-------|
|       |                                     |          |                      |                      | FLOW<br>RATE<br>(KG/H) | OPERATING<br>PRESSURE<br>(KPA) | PRESSURE<br>DROP<br>(KPA) | CONNECT<br>SIZE<br>(DN) |       |
| ST-1  | SPIRAX SARCO FT-30                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 206.8                          | 51.71                     | 40                      |       |
| ST-2  | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |
| ST-3  | SPIRAX SARCO FT-30                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 206.8                          | 51.71                     | 40                      |       |
| ST-4  | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |
| ST-5  | SPIRAX SARCO FT-30                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 206.8                          | 51.71                     | 40                      |       |
| ST-6  | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |
| ST-7  | SPIRAX SARCO FT-30                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 206.8                          | 51.71                     | 40                      |       |
| ST-8  | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |
| ST-9  | SPIRAX SARCO FT-30                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 206.8                          | 51.71                     | 40                      |       |
| ST-10 | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |
| ST-11 | SPIRAX SARCO FT-30                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 206.8                          | 51.71                     | 40                      |       |
| ST-12 | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |
| ST-13 | SPIRAX SARCO FT-15                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 103.4                          | 25.86                     | 32                      |       |
| ST-14 | SPIRAX SARCO FT-30                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 206.8                          | 51.71                     | 40                      |       |
| ST-15 | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |
| ST-16 | SPIRAX SARCO FTB-125                |          | FLOAT & THERMOSTATIC | CAST IRON            | 0                      | 689.5                          | 8.62                      | 65                      |       |
| ST-17 | SPIRAX SARCO FT-15                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 103.4                          | 25.86                     | 32                      |       |
| ST-18 | SPIRAX SARCO FT-15                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 103.4                          | 25.86                     | 32                      |       |
| ST-19 | SPIRAX SARCO FT-15                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 103.4                          | 25.86                     | 32                      |       |
| ST-20 | SPIRAX SARCO FT-15                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 103.4                          | 25.86                     | 32                      |       |
| ST-21 | SPIRAX SARCO FT-15                  |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 103.4                          | 25.86                     | 32                      |       |
| ST-22 | SPIRAX SARCO FT14-10                |          | FLOAT & THERMOSTATIC | CAST IRON            | 272.2                  | 689.5                          | 172.37                    | 40                      |       |

## STEAM PRESSURE-REDUCING VALVE SCHEDULE

| ID    | MANUFACTURER<br>AND<br>MODEL NUMBER | LOCATION | TYPE           | BODY<br>CONSTRUCTION | STEAM                  |                                       | PHYSICAL                | NOTES |
|-------|-------------------------------------|----------|----------------|----------------------|------------------------|---------------------------------------|-------------------------|-------|
|       |                                     |          |                |                      | FLOW<br>RATE<br>(KG/H) | INLET/<br>OUTLET<br>PRESSURE<br>(KPA) | CONNECT<br>SIZE<br>(DN) |       |
| PRV-1 | SPIRAX SARCO 25P 2.5"               | PHOUSE   | PILOT-OPERATED | CAST IRON            | 2793.5                 | 689.5/206.84                          | 65                      |       |
| PRV-2 | SPIRAX SARCO 25P 1.5"               | PHOUSE   | PILOT-OPERATED | CAST IRON            | 1375.9                 | 689.5/206.84                          | 40                      |       |
| PRV-3 | SPIRAX SARCO 25P 2"                 | PHOUSE   | PILOT-OPERATED | CAST IRON            | 1633                   | 689.5/103.42                          | 50                      |       |