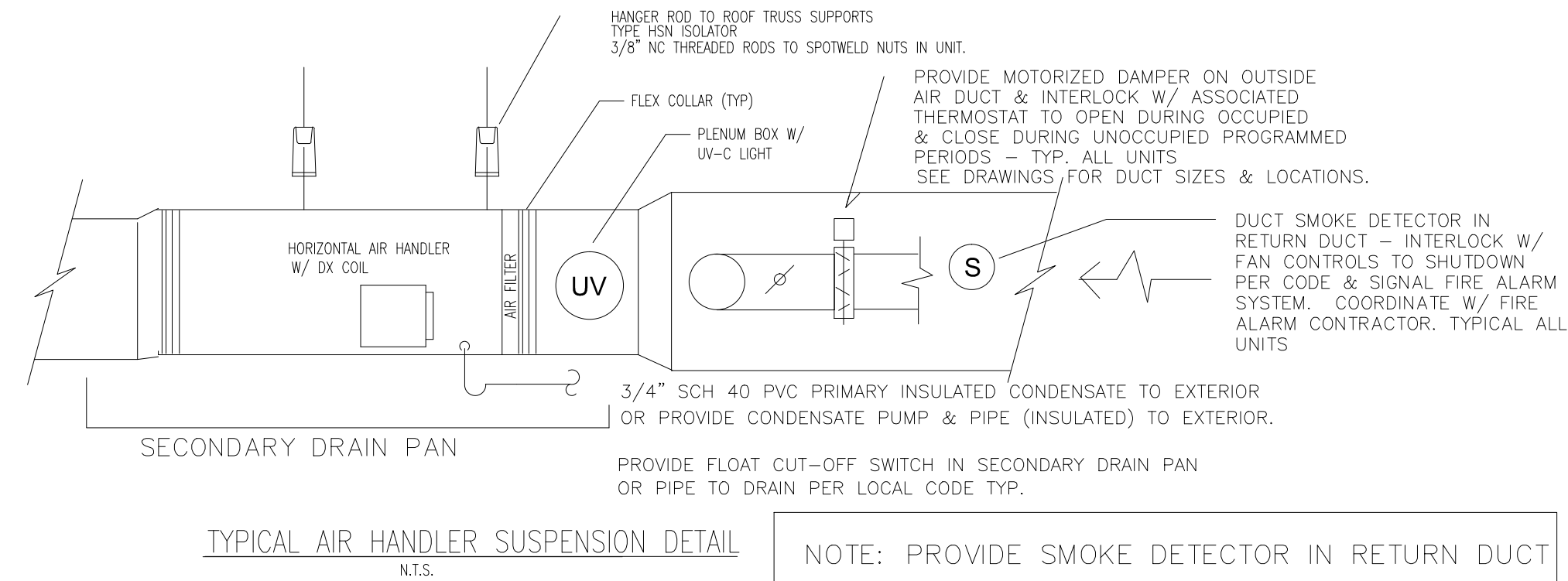
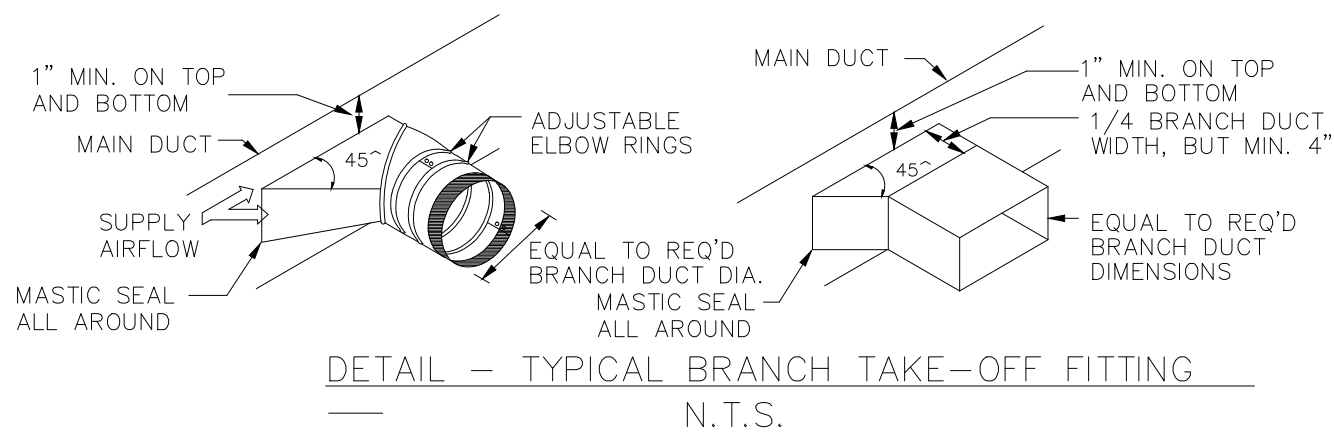


**MECHANICAL LEGEND:**

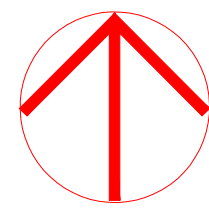
- PROGRAMMABLE THERMOSTAT W/PROGRAMMABLE FAN CYCLE
- SUPPLY/RETURN METAL DUCT W/ INTERIOR LINER AS SPECIFIED OR 2" EXTERIOR FOIL FACED INSULATION R-5 VALUE IN THE INTERIOR LOCATIONS.
- METAL DUCT ELBOW W/ TURNING VANES & INTERIOR LINER OR EXTERIOR INSULATION AS SPECIFIED.
- METAL TRANSITION W/ INSULATION AS NOTED ABOVE.
- BRANCH ROUND SOLID METAL DUCT TAKE-OFF W/ ADJUSTABLE LOCKING BALANCING DAMPER AND INSULATED.
- TOP TAKE-OFF W/ BRANCH ROUND PIPE BALANCING DAMPER
- SUPPLY DUCT CHANGE OF DIRECTION.
- RETURN/EXHAUST AIR DUCT CHANGE OF DIRECTION.
- PIPE UP.
- PIPE DOWN.
- DIFFUSER/REGISTER MARK - SEE SCHEDULE.
- CFM SETTING FOR DIFFUSER/REGISTER.
- AHU-# VRF HEAT PUMP AIR HANDLER UNIT FAN COIL, FITTINGS, SECONDARY DRAIN PAN.
- HP-# VRF OUTDOOR HEAT PUMP (HP) UNIT.
- NEW CEILING OR SUPPLY REGISTER, ADJUSTABLE DAMPER & INSULATED ROUND BOOT.
- F.D. DUCT FIRE DAMPER RATED PER WALL ASSEMBLY (UL-P265) WITH ACCESS DOOR - TYP.
- A.F.F. ABOVE FINISHED FLOOR
- L-# OUTSIDE WALL LOUVER W/ FRAME OR ROOF VENTILATOR AND ROOF CURB.
- EF-# CEILING EXHAUST FAN OR ROOF MOUNTED EXHAUST FAN WITH CURB & FITTINGS.



**MECHANICAL HVAC SCOPE OF WORK:**

1. PROVIDE COMPLETE VRF HEAT PUMP HEATING, COOLING WITH CONTROL SYSTEMS, AS SPECIFIED, DUCT SMOKE DETECTORS, INSULATED AND INTERIOR LINER METAL DUCTWORK PER SMACNA STANDARDS, DIFFUSERS, REGISTERS, INSULATED BOOTS, FLEXIBLE COLLARS, INSULATED BRANCH DUCTS, MASTER PROGRAMMABLE THERMOSTATS WITH PROGRAMMABLE FAN CYCLE AND DEHUMIDIFICATION, CAPABILITY AND CONTROL WIRING PER MITSUBISHI OR APPROVED EQUAL. PROVIDE ALL AS SPECIFIED, REFRIGERANT PIPING PER MITSUBISHI INSTALLATION DESIGN MANUALS, ASTM STANDARDS, CURRENT CODES OR APPROVED EQUAL.
2. CONTRACTOR SHALL AT LEAST 5 YEARS EXPERIENCE WITH VRF HEAT PUMP SYSTEMS AND PROVIDE AT LEAST 3 REFERENCES. PIPING SHALL BE INSTALLED WITH INSULATION, PIPE HANGERS AND INSULATION SLEEVES.
3. UNITS SHALL HAVE 30% EFFICIENCY PLEATED FILTERS, VIBRATION ISOLATION - DOUBLE DEFLECTION NEOPRENE MOUNTS (MASON IND. TYPE ND OR EQUAL), AND FLEXIBLE COLLARS & PIPING. EVAPORATOR CONDENSATE DRAIN SHALL BE PROVIDED AND CONDENSATE PIPED TO DRAINS OR PUMPED TO EXTERIOR.
4. COMMERCIAL GRADE SUPPLY DIFFUSERS AND RETURN GRILLES SHALL BE PROVIDED AS SHOWN WITH OPPOSED BLADE DAMPERS. ALL BRANCH LINES SHALL HAVE ADJUSTABLE LOCKING DAMPERS AND ALL DUCTWORK MASTIC SEALED.
5. ALL MAIN SUPPLY & RETURN DUCT TRUNKS SHALL BE METAL WITH INTERIOR LINER OR EXTERIOR INSULATION (R-4 OR R-5), AS SPECIFIED W/ MASTIC SEALED JOINTS/SEAMS. INSULATION MINIMUM PER 2012 IECC SECTION 803, DESIGN BY ACCEPTABLE PRACTICE FOR COMMERCIAL BLDGS. RUN METAL SUPPLY & RETURN DUCTS ABOVE CEILINGS OR EXPOSED, AS INDICATED ON DRAWINGS, INSULATE DUCTS IN CEILING. BRANCH AIR DUCTS SHALL BE METAL TO DIFFUSERS AND SHALL BE A MINIMUM OF R-5 INSULATION. CONTRACTOR HAS OPTION OF USING ASTRO-FOIL REFLECTIVE INSULATION OR EQUAL, PROVIDED R-VALUES ARE MAINTAINED.
6. PROVIDE ALL REFRIGERANT PIPING, FITTINGS AND CONTROLS PER MANUFACTURER.
7. ALL WORK SHALL COMPLY WITH 2012 INTERNATIONAL MECHANICAL CODE (IMC), NATIONAL ELECTRICAL CODE (NEC), 2012 INTERNATIONAL PLUMBING CODE (IPC), 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC), AND LOCAL GOVERNING CODES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS REQUIRED BY DRAWINGS. PROVIDE AND SUBMIT CATALOG CUTS FOR APPROVAL OF VRF HEAT PUMP UNITS, INSULATION, CONTROLS & DIFFUSERS/LOUVERS. ON ALL PIECES OF MAJOR EQUIPMENT (MINIMUM VRF HEAT PUMP UNITS) DESIGN FLOWS AND PROVIDE THE ARCHITECT/ENGINEER 3 SETS OF NEBB OR EQUAL CERTIFIED AIR BALANCE REPORT FOR APPROVAL.
8. PROVIDE THE OWNER WITH TWO SETS OF MANUFACTURER'S O&M LITERATURE ON ALL EQUIPMENT.
9. RUN SUPPLY & RETURN DUCTS AS INDICATED ON DRAWINGS. PROVIDE OFFSETS AND TRANSITIONS AS REQUIRED TO AVOID STRUCTURAL, ELECTRICAL AND PLUMBING INTERFERENCES.
10. COORDINATE FINAL VRF HEAT PUMP UNITS & DUCTWORK LOCATION W/ JOISTS AND TRUSSES.
11. PROVIDE MINIMUM 30 INCHES MAINTENANCE CLEARANCE FOR UNIT ACCESS AND CLEARANCES AND PER MANUFACTURER/CODE. PIPE CONDENSATE TO DRAIN OR EXTERIOR. PROVIDE CONDENSATE PUMP(S), PIPING & INSULATED AS REQUIRED.
12. PROVIDE ENGRAVED PLASTIC EQUIPMENT I.D. PLATES 3/4" X 3 1/4" WIDE WITH 0.125 HELVETICA LETTERING PER CODE & SIGNAL FIRE ALARM SYSTEM. COORDINATE W/ FIRE ALARM CONTRACTOR. TYPICAL ALL UNITS
13. PROVIDE 30% EFFICIENT AIR FILTER AND 1" MESURFLO HOSE KIT FOR ALL VRF HEAT PUMP AIR HANDLER UNITS.
14. PROVIDE HIGH OUTPUT UV-C GERMICIDAL LAMP IN AIR HANDLER FAN COIL SUPPLY OR RETURN PLENUM PER LAMP MANUFACTURER (TOTALINE, LENOX OR EQUAL) INSTALLATION INSTRUCTIONS WITH MOUNTING HARDWARE AND ACCESSORIES. COORDINATE WITH ELECTRICAL ON POWER TO LAMP AND PROVIDE DISCONNECT FOR INSTALLATION BY ELECTRICAL CONTRACTOR.
15. PROVIDE RETURN DUCT SMOKE DETECTORS ON ALL AIR HANDLERS PER CODE AND COORDINATE CONNECTION W/ OWNERS. COORDINATE W/ FIRE ALARM AND ELECTRICAL CONTRACTORS AS REQUIRED, FOR POWER AND ALARM TO ALL MECHANICAL EQUIPMENT.

NORTH (magnetic)



**Charles Washington Hall**  
**RENOVATIONS**  
 Corner of George & Washington Streets  
 Charles Town, W.Va.

For the  
**City of Charles Town**  
**City of Ranson**

Planning & Engineering (prime)  
**Hall Planning & Engineering, Inc**  
 316 Williams Street  
 Tallahassee, FL 32303

Landscape Architecture  
**Stromberg/Garrigan & Assoc., Inc.**  
 102 E. Main Street-The Penn Bldg  
 Somerset, PA 15501

Historic Preservation & Architecture  
**Landmarks SGA, LLC**  
 102 E. Main Street-The Penn Bldg  
 Somerset, PA 15501

Structural Engineer  
**R.L. Silman Associates**  
 1053 31st Street NW  
 Washington D.C. 20007

Mech/Elect Engineer  
**Comfort Design, Inc.**  
 620 Pennsylvania Avenue  
 Winchester, VA 22601



Issue/Revision Seal  
 REVISED VRF MARCH 4, 2015

Drawing Title

**Mechanical Schedules & Details**

Date: 9/26/14  
 Scale: As Shown Project Number 11105  
 Drawing Number

**M1.1**

GRILLE/DIFFUSER/REGISTER SCHEDULE						
MARK	MFR	LOCATION	DIFFUSER SIZE (IN)	NECK SIZE (IN)	OPPOSED BLADE DAMPER	REMARKS
S-1	T&B*	FLOOR	6 X 60	10"(2)	YES	FLOOR REGISTER BRONZE FINISH W/ INSUL. BOOT
S-2	T&B*	FLOOR	6 X 14	8	YES	FLOOR REGISTER BRONZE FINISH W/ INSUL. BOOT
S-3	T&B*	CEILING	44 X 4	10	YES	6000-S-100-2-B-ECP-MP CEILING LINEAR 2 SLOT 1" DIFFUSER W/PLENUM
S-4	T&B*	WALL	12 X 10	10	YES	4000 SIDEWALL REGISTER
S-5	T&B*	CEILING	72 X 4	10	YES	6000-S-100-2-B-ECP-MP CEILING LINEAR 2 SLOT 1" DIFFUSER W/PLENUM
S-6	T&B*	CEILING	12 X 8	10	YES	4000-SF-03-SOBD-FB CEILING REGISTER
S-7	T&B*	CEILING	12 X 6	D.O.	YES	T54 CEILING/SIDEWALL REGISTER
S-8	T&B*	CEILING	6 X 6	D.O.	YES	4000-SF-03-SOBD-OW CEILING/SIDEWALL REGISTER
S-9	T&B*	CEILING	10	10	YES	T1100SW CEILING REGISTER-COORD. W/ CEILING FINISH
S-10	T&B*	WALL	10 X 6	D.O.	YES	4000 CEILING/SIDEWALL REGISTER
S-11	T&B*	CEILING	6 X 6	D.O.	YES	4000 (SURFACE BEVELED) CEILING REGISTER-COORD. W/ CEILING FINISH
S-12	T&B*	CEILING	12 X 12	8	YES	4000 CEILING REGISTER-COORD. W/ CEILING FINISH
R-1	MCNICHOLS	CAB. GRILLE	SEE REMARKS	D.O.	N/A	PERF. GRILLE PER ARCH. 2-15 X 36 & 2-15 X 28; SEE DWG.A9.3, COORD.
R-2	T&B*	WALL	30 X 14	D.O.	N/A	T70D WALL RETURN GRILLE-TOP OF CABINET BLACK
R-3	REGGIO	WALL/CL'G	16 X 30	D.O.	N/A	G1733-SGH CEILING/WALL RETURN GRILLE-GRAY
R-4	REGGIO	WALL/CL'G	18 X 30	D.O.	N/A	2032-ARBH WALL RETURN GRILLE-BRONZE
R-5	REGGIO	WALL	18 X 30	D.O.	N/A	2032-AH WALL RETURN GRILLE - PAINTABLE
R-6	T&B*	WALL	12 X 18	D.O.	N/A	T70D RETURN GRILLE-TOP OF CABINET BLACK
T-1	T&B*	DOOR	24 X 24	N/A	N/A	A990VF DOOR TRANSFER GRILLE
T-2	T&B*	WALL	8 X 18	N/A	N/A	A990VF OW TRANSFER GRILLE-FUSIBLE LINK FIRE DAMPER
E-1	T&B*	CEILING	12 X 12	8	N/A	T70D CEILING EXHAUST GRILLE
L-1	GREENHECK	AS SHOWN	20.5	8	N/A	GRSR-8 ROOF CAP W/ 12"CURB FOR EXHAUST

\*TUTTLE & BAILEY MFR. OR EQUAL.

EXHAUST FAN SCHEDULE								
MARK	DESCRIPTION	MFR OR EQUAL	MODEL	CFM	SP	MOTOR	VOLTAGE	REMARKS
EF-1	ROOF EXHAUST FAN	GREENHECK	SP-B110	90	0.25"	50 W	115/1/60	W/ HANGERS/BACKDRAFT DAMPERS/ DUCT TO WALL/ROOF W/ CAP.
EF-2	CEILING EXHAUST FAN	GREENHECK	SP-B150	150	0.375"	350 W	115/1/60	W/ HANGERS/BACKDRAFT DAMPERS/ DUCT TO WALL/ROOF W/ CAP.
EF-3	CEILING EXHAUST FAN	GREENHECK	GB-091-4	400	0.375"	1/6 HP	115/1/60	W/ 12"ROOF CURB, SCREEN, AND BACKDRAFT DAMPERS

EF-3 FAN SHALL RUN DURING OCCUPIED PERIOD & BE OFF DURING UNOCCUPIED PERIOD. MOUNT EXHAUST FAN TIMER ON WALL IN ELECTRICAL/MECHANICAL ROOM. ALL EXHAUST FANS EF-1 & EF-2 IN BATHROOM SHALL SWITCH ON WITH LIGHT. COORDINATE W/ ELECTRICAL CONTRACTOR.

CITYMULTI Outdoor Unit: 16-TON PURY-HP192TSKMU-A-H (Consists of Two PURY-HP96TKMU-A-H and One CMY-R100CBK2 Twinning Kit)			
Job Name:	Charles Washington Hall		
Schedule Reference:		Date:	3/5/15
<b>OUTDOOR VRF HEAT PUMP WITH HEAT RECOVERY SYSTEM FEATURES</b>	<b>OPTIONAL PARTS</b>		
<ul style="list-style-type: none"> <li>Innovative flash injection technology for tremendous heating capacity at lower outdoor temperatures</li> <li>Built-in base pan heater to prevent ice in drain pan</li> <li>Air-source, simultaneous cooling and heating</li> <li>INVERTER-driven compressor</li> <li>Connects to CITY MULTI indoor units</li> <li>Controlled via CITY MULTI Controls Network</li> </ul>	<ul style="list-style-type: none"> <li>Twining Kit (required).....CMY-R100CBK2</li> <li>Joint Kit.....for details see Pipe Accessories Submittal</li> <li>BC Controller.....for details see BC Controller Submittal</li> <li>Low Ambient Kit.....for details see Low Ambient Kit Submittal</li> <li>Snowfall Guards Kit.....for details see Snowfall Guards Kit Submittal</li> <li>Base Pan Heater Kit.....for details see Base Pan Heater Kit Submittal</li> </ul>		
<b>Specifications</b>	<b>Model Name</b>	<b>Module 1</b>	<b>Module 2</b>
<b>Unit Type</b>	PURY-HP192TSKMU-A-H	PURY-HP96TKMU-A-H	PURY-HP96TKMU-A-H
<b>Nominal Cooling Capacity (208/230V)</b>	192,000	96,000	96,000
<b>Nominal Heating Capacity (208/230V)</b>	215,000	108,000	108,000
<b>Operating Temperature Range *1</b>	Refer to Module Data	23 ~ 115°F (-5 ~ 44°C) DB	-13 ~ 46°F (-25 ~ 15°C) WB
<b>External Dimensions (H x W x D)</b>	Refer to Module Data	64-31/32 x 48-1/16 x 29-5/32 / 1,650 x 1,220 x 740	64-31/32 x 48-1/16 x 29-5/32 / 1,650 x 1,220 x 740
<b>Net Weight</b>	1104 / 500	552 / 250	552 / 250
<b>Electrical Power Requirements</b>	Refer to Module Data**	208 / 230V, 3-phase, 60Hz	208 / 230V, 3-phase, 60Hz**
<b>Minimum Circuit Ampacity (MCA)</b>	Refer to Module Data**	60 / 54**	60 / 54**
<b>Maximum Fuse Size</b>	Refer to Module Data**	80**	80**
<b>Piping Diameter (Brazed) (In. / mm)</b>	Liquid (High Pressure) 7/8 / 22.2 Gas (Low Pressure) 1-1/8 / 28.58	Refer to System Data	
<b>From Modules to Twining Kit (Brazed) (In. / mm)</b>	Liquid (High Pressure) 3/4 / 19.05 Gas (Low Pressure) 7/8 / 22.2	3/4 / 19.05	3/4 / 19.05
<b>Indoor Unit</b>	Total Capacity 50 to 150% of ODU's Model / Quantity P08 ~ P98 / 1 to 48	Refer to System Data	
<b>Sound Pressure Levels</b>	61	58	58
<b>Fan</b>	Type x Quantity Refer to Module Data	Propeller Fan x 1	Propeller Fan x 1
<b>Airflow Rate</b>	CFM	6200	6200
<b>Compressor Operating Range</b>	Cooling: 12% to 100% Heating: 6% to 100%	Refer to System Data	
<b>Compressor Type x Quantity</b>	Refer to Module Data	Inverter-driven Scroll Hermetic x 1	Inverter-driven Scroll Hermetic x 1
<b>Refrigerant</b>	Refer to Module Data	R410A x 26 lbs + 1 oz (11.8 kg)	R410A x 26 lbs + 1 oz (11.8 kg)
<b>Lubricant</b>	Refer to Module Data	MEL32	MEL32
<b>Protection Devices</b>	High-pressure Inverter circuit (COMP/FAN) Fan motor	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-current protection Thermal switch	High pressure sensor, High pressure switch at 4.15 MPa (601 psi) Over-current protection Thermal switch
<b>AHRI Ratings (Ducted/Non-Ducted)</b>	EER 11.1 / 12.1 IEER 16.1 / 16.6 COP 3.32 / 3.31	Refer to System Data	
<b>Simultaneous Rating (Ducted/Non-Ducted)</b>	SCHE *3 16.9 / 21.4	Refer to System Data	

Specifications are subject to change without notice. © 2014 Mitsubishi Electric US, Inc.

CITYMULTI Model: PUR Y-HP192TSKMU-A-H (Consists of Two PUR Y-HP96TKMU-A-H and One CMY-R100CBK2 Twinning Kit)			
Job Name:		Location:	
Engineer Name:		Contractor:	
System No.:		Date:	
<b>OUTDOOR VRF SYSTEM FEATURES</b>	<b>OPTIONAL PARTS</b>		
<ul style="list-style-type: none"> <li>Innovative flash injection technology enables tremendous heating capacity at lower outdoor temperatures</li> <li>Built-in base pan heater to prevent ice in drain pan</li> <li>Air-source, simultaneous cooling and heating</li> <li>Provides up to 100% of rated heating capacity at 0°F (-17.7°C) in standard mode</li> <li>Modular design: two small capacity units can be piped together to form a large capacity system</li> <li>Connects to CITY MULTI indoor units</li> <li>Controlled via CITY MULTI Controls Network (CMCN)</li> <li>Minimum outdoor temperature for simultaneous cooling and heating operation is -20°C</li> <li>Inverter-driven (variable speed) scroll compressor</li> <li>External finish: Pre-coated Galvanized-steel Sheets</li> <li>Operating Temperature Range Cooling (Outdoor): 23° ~ 115°F (-5° ~ 46°C) DB Heating (Outdoor): -13° ~ 60°F (-25° ~ 15.5°C) WB</li> </ul>	<ul style="list-style-type: none"> <li>Twining Kit.....CMY-R100CBK2</li> <li>T-Branch Joint (≤ 72,000 Btu/h).....CMY-Y102SS-G2</li> <li>T-Branch Joint (73,000 - 144,000 Btu/h).....CMY-Y102LS-G2</li> <li>T-Branch Joint (145,000 - 234,000 Btu/h).....CMY-Y202S-G2</li> <li>Joint Adapter (Port Connector x 54,000 Btu/h).....CMY-Y160C-1</li> <li>Main BC Controller.....CMB-P109/1010/1013/1016/1018/1019/1020/1021/1022/1023/1024/1025/1026/1027/1028/1029/1030/1031/1032/1033/1034/1035/1036/1037/1038/1039/1040/1041/1042/1043/1044/1045/1046/1047/1048/1049/1050/1051/1052/1053/1054/1055/1056/1057/1058/1059/1060/1061/1062/1063/1064/1065/1066/1067/1068/1069/1070/1071/1072/1073/1074/1075/1076/1077/1078/1079/1080/1081/1082/1083/1084/1085/1086/1087/1088/1089/1090/1091/1092/1093/1094/1095/1096/1097/1098/1099/1100/1101/1102/1103/1104/1105/1106/1107/1108/1109/1110/1111/1112/1113/1114/1115/1116/1117/1118/1119/1120/1121/1122/1123/1124/1125/1126/1127/1128/1129/1130/1131/1132/1133/1134/1135/1136/1137/1138/1139/1140/1141/1142/1143/1144/1145/1146/1147/1148/1149/1150/1151/1152/1153/1154/1155/1156/1157/1158/1159/1160/1161/1162/1163/1164/1165/1166/1167/1168/1169/1170/1171/1172/1173/1174/1175/1176/1177/1178/1179/1180/1181/1182/1183/1184/1185/1186/1187/1188/1189/1190/1191/1192/1193/1194/1195/1196/1197/1198/1199/1200/1201/1202/1203/1204/1205/1206/1207/1208/1209/1210/1211/1212/1213/1214/1215/1216/1217/1218/1219/1220/1221/1222/1223/1224/1225/1226/1227/1228/1229/1230/1231/1232/1233/1234/1235/1236/1237/1238/1239/1240/1241/1242/1243/1244/1245/1246/1247/1248/1249/1250/1251/1252/1253/1254/1255/1256/1257/1258/1259/1260/1261/1262/1263/1264/1265/1266/1267/1268/1269/1270/1271/1272/1273/1274/1275/1276/1277/1278/1279/1280/1281/1282/1283/1284/1285/1286/1287/1288/1289/1290/1291/1292/1293/1294/1295/1296/1297/1298/1299/1300/1301/1302/1303/1304/1305/1306/1307/1308/1309/1310/1311/1312/1313/1314/1315/1316/1317/1318/1319/1320/1321/1322/1323/1324/1325/1326/1327/1328/1329/1330/1331/1332/1333/1334/1335/1336/1337/1338/1339/1340/1341/1342/1343/1344/1345/1346/1347/1348/1349/1350/1351/1352/1353/1354/1355/1356/1357/1358/1359/1360/1361/1362/1363/1364/1365/1366/1367/1368/1369/1370/1371/1372/1373/1374/1375/1376/1377/1378/1379/1380/1381/1382/1383/1384/1385/1386/1387/1388/1389/1390/1391/1392/1393/1394/1395/1396/1397/1398/1399/1400/1401/1402/1403/1404/1405/1406/1407/1408/1409/1410/1411/1412/1413/1414/1415/1416/1417/1418/1419/1420/1421/1422/1423/1424/1425/1426/1427/1428/1429/1430/1431/1432/1433/1434/1435/1436/1437/1438/1439/1440/1441/1442/1443/1444/1445/1446/1447/1448/1449/1450/1451/1452/1453/1454/1455/1456/1457/1458/1459/1460/1461/1462/1463/1464/1465/1466/1467/1468/1469/1470/1471/1472/1473/1474/1475/1476/1477/1478/1479/1480/1481/1482/1483/1484/1485/1486/1487/1488/1489/1490/1491/1492/1493/1494/1495/1496/1497/1498/1499/1500/1501/1502/1503/1504/1505/1506/1507/1508/1509/1510/1511/1512/1513/1514/1515/1516/1517/1518/1519/1520/1521/1522/1523/1524/1525/1526/1527/1528/1529/1530/1531/1532/1533/1534/1535/1536/1537/1538/1539/1540/1541/1542/1543/1544/1545/1546/1547/1548/1549/1550/1551/1552/1553/1554/1555/1556/1557/1558/1559/1560/1561/1562/1563/1564/1565/1566/1567/1568/1569/1570/1571/1572/1573/1574/1575/1576/1577/1578/1579/1580/1581/1582/1583/1584/1585/1586/1587/1588/1589/1590/1591/1592/1593/1594/1595/1596/1597/1598/1599/1600/1601/1602/1603/1604/1605/1606/1607/1608/1609/1610/1611/1612/1613/1614/1615/1616/1617/1618/1619/1620/1621/1622/1623/1624/1625/1626/1627/1628/1629/1630/1631/1632/1633/1634/1635/1636/1637/1638/1639/1640/1641/1642/1643/1644/1645/1646/1647/1648/1649/1650/1651/1652/1653/1654/1655/1656/1657/1658/1659/1660/1661/1662/1663/1664/1665/1666/1667/1668/1669/1670/1671/1672/1673/1674/1675/1676/1677/1678/1679/1680/1681/1682/1683/1684/1685/1686/1687/1688/1689/1690/1691/1692/1693/1694/1695/1696/1697/1698/1699/1700/1701/1702/1703/1704/1705/1706/1707/1708/1709/1710/1711/1712/1713/1714/1715/1716/1717/1718/1719/1720/1721/1722/1723/1724/1725/1726/1727/1728/1729/1730/1731/1732/1733/1734/1735/1736/1737/1738/1739/1740/1741/1742/1743/1744/174</li></ul>		