

one and one half inches = one foot
one inch = one foot
three quarter inch = one foot
one half inch = one foot
one quarter inch = one foot
one eighth inch = one foot

| PLUMBING FIXTURE SCHEDULE | | | | | | | | | | | | | | |
|---------------------------|---------------------------|------------|------|-----------|------|------------|------|-----------|------|---------------------------|---------------------------|--------------------------|-------------------------|----------------------|
| MARK | DESCRIPTION | WASTE PIPE | | VENT PIPE | | COLD WATER | | HOT WATER | | WASTE FIXTURE UNITS | WATER FIXTURE UNITS | WRIST BLADE HANDLE | ELECT. SENSOR OP. | REMARKS |
| | | IN | [mm] | IN | [mm] | IN | [mm] | IN | [mm] | | | | | |
| P-103 | WATER CLOSET WALL MTD | 3 | [75] | 2 | [50] | 1.25 | [31] | | | 6 | 10 | N/A | YES | 1.28 GPF |
| P-114 | WATER CLOSET FLOOR MTD | 3 | [75] | 2 | [50] | 1.25 | [31] | | | 6 | 10 | N/A | YES | 1.28 GPF, BARIATRIC |
| P-413 | LAVATORY | 2 | [50] | 1.5 | [38] | .5 | [13] | .5 | [13] | 2 | 2 | N/A | NO | |
| P-414 | LAVATORY | 2 | [50] | 1.5 | [38] | .5 | [13] | .5 | [13] | 2 | 2 | N/A | NO | |
| P-501 | SINK SERVICE | 3 | [75] | 2 | [50] | .75 | [19] | .75 | [19] | 3 | 4 | N/A | NO | |
| P-524 | KITCHEN SINK | 3 | [75] | 2 | [50] | 1 | [25] | .75 | [19] | 3 | 4 | N/A | NO | |
| P-528 | KITCHEN SINK | 3 | [75] | 2 | [50] | 1 | [25] | .75 | [19] | 3 | 4 | N/A | NO | |
| P-529 | KITCHEN SINK | 3 | [75] | 2 | [50] | 1 | [25] | .75 | [19] | 3 | 4 | N/A | NO | |
| P-604 | ELECTRIC WATER COOLER | 2 | [50] | 1.5 | [38] | .5 | [13] | | | 1 | 1 | N/A | NO | |
| P-701 | SHOWER | 2 | [50] | 1.5 | [38] | .5 | [13] | .5 | [13] | 2 | 2 | N/A | NO | PROVIDE WITH P-705 |
| P-705 | THERMOSTATIC VALVE | | | | | .75 | [19] | .75 | [19] | | 10 | N/A | NO | |
| P-706 | EMERGENCY SHOWER | | | | | 1.25 | [31] | 1.25 | [31] | | 10 | N/A | NO | GENERATOR ROOM |
| P-801 | WALL HYDRANT | | | | | .75 | [19] | | | | 5 | N/A | NO | |
| P-808 | WASHER BOX | 2 | [50] | 1.5 | [38] | .5 | [13] | .5 | [13] | 2 | 2 | N/A | NO | |
| P-902 | WALL HYDRANT | | | | | 0.75 | [19] | 0.75 | [19] | | 5 | N/A | NO | |
| FD-B | FLOOR DRAIN | 3 | [75] | 2 | [50] | | | | | 3 | 4 | N/A | NO | MECHANICAL ROOM |
| FD-C | FLOOR DRAIN | 3 | [75] | 2 | [50] | | | | | 3 | 4 | N/A | NO | SHOWER |
| FD-S | FLOOR DRAIN | 3 | [75] | 2 | [50] | | | | | 3 | 4 | N/A | NO | STAINLESS, FOOD PREP |
| ZV-1 | MED GAS ZONE VALVE | | | | | | | | | | | N/A | N/A | MED GAS ZONE VALVE |
| ZV-2 | MED GAS ZONE VALVE | | | | | | | | | | | N/A | N/A | MED GAS ZONE VALVE |

| STORAGE TANK SCHEDULE | | | | | | | | | | | | | | | | | |
|-----------------------|-----------|---------------------|--------------------------|------|-----|------|------------------------|--------------|------|------------|-----|------------------|-----|-------------------|-----|---------|--------------------------------------|
| MARK | LOCATION | TYPE | SYSTEM TEMPERATURE RANGE | | | | MAX OPERATING PRESSURE | RELIEF VALVE | | MIN VOLUME | | INLET PIPE SIZES | | OUTLET PIPE SIZES | | REMARKS | |
| | | | MIN | | MAX | | | | | | | | | | | | |
| | | | "F | [°C] | "F | [°C] | PSIG | [kPa] | PSIG | [kPa] | GAL | [L] | IN | [mm] | IN | | [mm] |
| 513-ST1 | MECH ROOM | GLASS LINED POTABLE | 60 | [16] | 130 | [54] | 80 | [550] | 100 | [690] | 120 | [450] | 2.5 | [63] | 2.5 | [63] | VRF HEAT RECOVERY WATER HEATING TANK |

| PLUMBING PUMP SCHEDULE | | | | | | | | | | | | | | | | | | | | | | |
|------------------------|----------------|-------------------------|-----------------------|-------------|-------------------|------|-------|------|-------|----------------|-------|-------------|------|---------|------------------|---------------|---------|-------|------|---------|----------|--|
| MARK | LOCATION | AREA AND/OR BLDG SERVED | SYSTEM AND/OR SERVICE | TYPE | CIRCULATING FLUID | | | | | | | | | | ELECTRICAL MOTOR | | | | | | REMARKS | |
| | | | | | FLUID | FLOW | | HEAD | | NPSH AVAILABLE | | TEMPERATURE | | SP. GR. | MIN. % EFF | NOMINAL POWER | | PHASE | VOLT | MAX RPM | | SPEED CONTROL |
| | | | | | | GPM | [L/s] | FT | [kPa] | FT | [kPa] | °F | [°C] | | | HP | [kW] | | | | | |
| 513-PP1 | MECH ROOM | BLDG 513 | HOT WATER CIRCULATION | INLINE | DOMESTIC WATER | 3 | [0.2] | 15 | [240] | NA | NA | 140 | [60] | 1 | 70 | 1/4 | [0.2] | 1 | 120 | 1750 | CONSTANT | ---- |
| 513-PP3 | MECH ROOM | BLDG 513 | HEAT PUMP CIRCULATION | INLINE | WATER | 10 | [0.6] | 15 | [240] | NA | NA | 140 | [60] | 1 | 70 | 1/4 | [0.2] | 1 | 120 | 1750 | CONSTANT | ---- |
| 513-PP4 | ELEVATOR SHAFT | BLDG 513 | ELEVATOR SUMP | SUBMERSIBLE | WATER | 55 | [0.6] | 18 | [290] | NA | NA | 60 | [16] | 1 | 70 | 1/2 | [0.746] | 1 | 120 | -- | CONSTANT | BASIS OF DESIGN IS STANCOR SE-50. PROVIDE WITH OIL DETECTION SYSTEM THAT SHUTS OFF SUMP PUMP WHEN OIL IS DETECTED. |

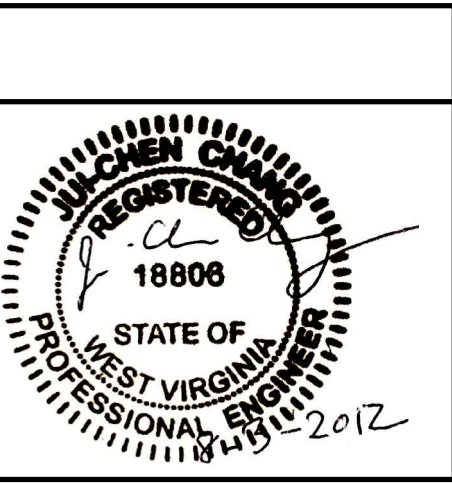
| ELECTRIC WATER HEATER SCHEDULE | | | | | | | | | | | | | | | | | |
|--------------------------------|-----------------|---------------------------|--------------------------|--------------------------|------------------|-------|---------------------------------|--------|--|----------------------|-------|-------------------|------------------|-------------------|-------|------|---------|
| MARK | LOCATION | AREA AND/OR BDG SERVED | SYSTEM AND/OR SERVICE | TYPE | STORAGE CAPACITY | | RECOVERY @ 70 °F [21°C] RISE | | TIME TO RECOVER CONTENTS, MINUTES | RELIEF VALVE SETTING | | NO OF ELEMENTS | ELECTIRCAL INPUT | | | | REMARKS |
| | | | | | GAL | [L] | GAL/HR | [L/HR] | | PSIG | [kPa] | | TOTAL KW | KW PER ELEMENT | PHASE | VOLT | |
| 513-WH1 | MECHANICAL ROOM | NURSING HOME | DOMESTIC HOT WATER | LARGE VOLUME ELECTRIC | 120 | [450] | 160 | [610] | 60 | 100 | [690] | 1 | 32 | 32 | 3 | 480 | |
| 513-WH2 | MECHANICAL ROOM | NURSING HOME | DOMESTIC HOT WATER | LARGE VOLUME ELECTRIC | 120 | [450] | 160 | [610] | 60 | 100 | [690] | 1 | 32 | 32 | 3 | 480 | |

| DOMESTIC WATER THERMAL EXPANSION TANK SCHEDULE | | | | | | | | | | | | | | | | | | | |
|--|---------------------|--------------------------|--------------------------|------|-----|------|--------------------------|-------|------------------------|-------|-------------------------|-------|-----------------|------|-------------------|------|-------------------|------|---------|
| MARK | LOCATION | TYPE | SYSTEM TEMPERATURE RANGE | | | | INITIAL PRESSURE IN TANK | | MAX OPERATING PRESSURE | | RELIEF VALVE PSIG [kPa] | | MIN TANK VOLUME | | MIN ACCEPT VOLUME | | PIPE SIZE TO TANK | | REMARKS |
| | | | MIN | | MAX | | | | | | | | | | | | | | |
| | | | °F | [°C] | °F | [°C] | PSIG | [kPa] | PSIG | [kPa] | PSIG | [kPa] | GAL | [L] | GAL | [L] | IN | [mm] | |
| 513-ET1 | MECHANICAL ROOM-DHW | POTABLE THERMAL EXP TANK | 60 | [16] | 140 | [60] | 50 | [350] | 80 | [550] | 100 | [690] | 14 | [53] | 11.3 | [43] | .75 | [19] | ---- |
| 513-ET2 | MECHANICAL ROOM-VRF | THERMAL EXP TANK | 60 | [16] | 140 | [60] | 50 | [350] | 80 | [550] | 100 | [690] | 4.4 | [17] | 2.5 | [10] | .75 | [19] | ---- |

| GREASE INTERCEPTOR SCHEDULE | | | | | | | | | | | | | |
|-----------------------------|----------|------------------|-----------------------|-------|---------------------------|------|------------|--------|------------------|-------|-------------------|-------|--|
| MARK | LOCATION | TYPE | FLOW THROUGH CAPACITY | | GREASE RETENTION CAPACITY | | MIN VOLUME | | INLET PIPE SIZES | | OUTLET PIPE SIZES | | REMARKS |
| | | | GPM | [LPM] | LBS | [kg] | GAL | [L] | IN | [mm] | IN | [mm] | |
| 513-GH | SITE | PRECAST CONCRETE | 70 | [270] | 135 | [61] | 2000 | [7600] | 4 | [100] | 4 | [100] | BASIS OF DESIGN IS OLDCASTLE PRECAST GT-2000 |

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| Revisions: | Date |

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|--|
| ARCHITECT: |
| C.C. HODGSON ARCHITECTURAL GROUP P.C. |



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|--|
| ENGINEERS: |
| Westlake Reed Leskosky |
| 1634 EYE ST, NW, STE 900 WASHINGTON, DC 20006 |

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|----------------------------|
| Drawing Title |
| PLUMBING SCHEDULES |
| Approved: Project Director |

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|------------------------|
| Project Title |
| RELOCATE DEMENTIA UNIT |
| Project Number |
| VA FN 613-207 |
| Building Number |
| 513 |
| Location |
| VAMC MARTINSBURG |
| Date |
| 08/06/2012 |
| Checked |
| SCS |
| Drawn |
| CJW |
| Drawing Number |
| P-701 |
| Dwg. of |
| -- |



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FULLY SPRINKLERED