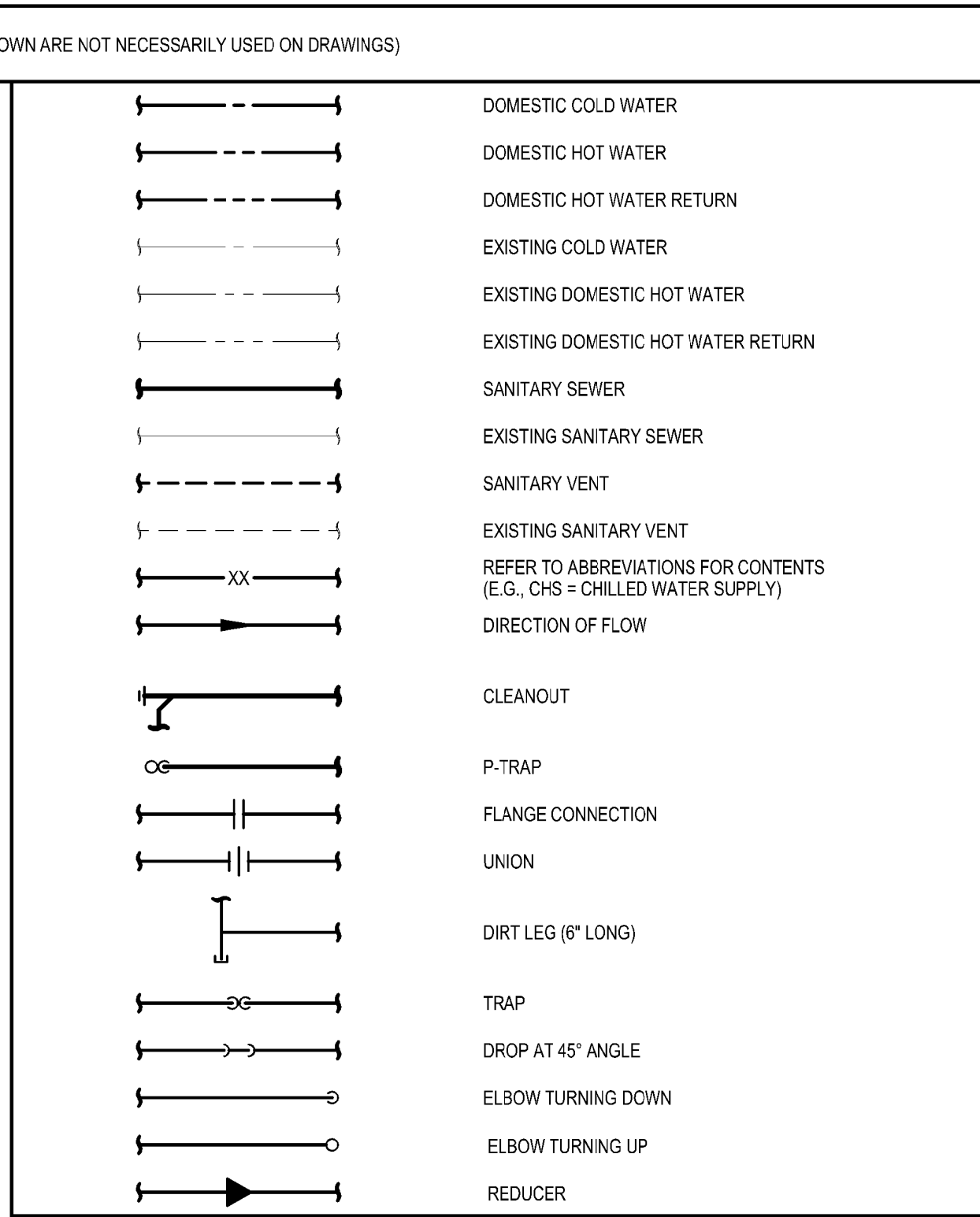
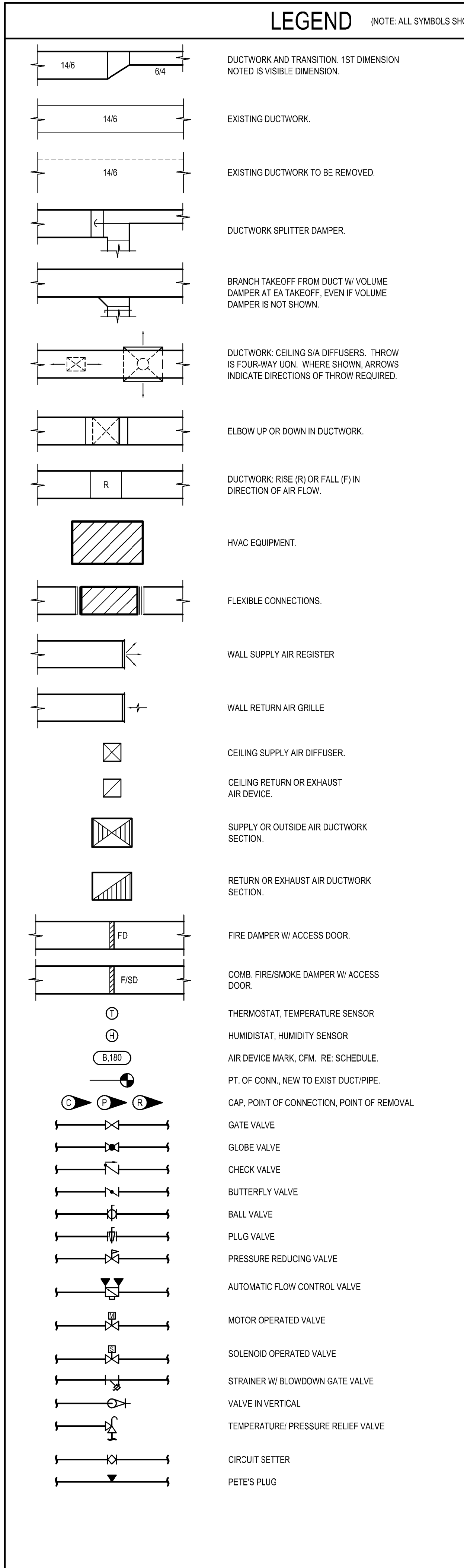


| MECHANICAL SHEET INDEX | |
|------------------------|---|
| SHEET NUMBER | SHEET TITLE |
| M0.0 | MECHANICAL LEGEND ABBREVIATIONS AND GENERAL NOTES |
| M0.1 | MECHANICAL SCHEDULES |
| ME1.0 | MEP ROOF PLAN |
| M2.0 | HVAC FLOOR PLAN |
| M2.1 | HVAC - KITCHEN HOOD PLAN |
| M3.0 | PLUMBING FLOOR PLAN - WASTE & VENT |
| M3.1 | PLUMBING FLOOR PLAN - WATER & GAS |
| M4.0 | HVAC DETAILS |
| M4.1 | PLUMBING DETAILS |
| M5.0 | PLUMBING RISERS & PLUMBING FIXTURE SPECIFICATIONS |



GENERAL NOTES

- GENERAL NOTES APPLY TO ALL MECHANICAL SHEETS.
- NORMAL DESIGN CONDITIONS: SUMMER - OUTSIDE: 97°F DB, 75% WB. INSIDE: 75°F DB, 50% RH; WINTER - OUTSIDE: ; INSIDE: 72°5°F
- INSTALL THE WORK IN ACCORDANCE WITH ALL APPLICABLE CODES. APPROVING AUTHORITY: CITY OF SAN ANTONIO
- IN ANY CASE WHERE A PIPE OR DUCT SHOWN ON A PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC OR DETAIL, USE THE LARGER OF THE TWO SIZES SHOWN.
- PIPING AND DUCTWORK SHOWN ON EACH PLAN IS RUN ABOVE THE CEILING ON THE FLOOR WHERE IT IS SHOWN UNLESS OTHERWISE NOTED. EXCEPT SANITARY PIPING IS RUN BELOW THE FLOOR WHERE IT IS SHOWN UNLESS OTHERWISE NOTED.
- THE DRAWINGS ARE DIAGRAMMATIC ONLY; DO NOT SCALE. COORD. W/ OTHER TRADES AND W/ EXIST. CONDITIONS. DO NOT INSTALL OR FABRICATE ANY WORK SHOWN UNTIL ALL SUCH WORK IS FULLY COORDINATED. NOT ALL OFFSETS AND FITTINGS ARE SHOWN. F&I OFFSETS AND FITTINGS AS REQ'D BY FIELD CONDITIONS AS PART OF THE WORK.

ABBREVIATIONS

| | | | |
|---------|--|--------|-------------------------------------|
| A | AMPERES | RA | RETURN AIR |
| AD | ACCESS DOOR | RD | ROOF DRAIN, ROOF DRAIN LEADER |
| AD | AUXILIARY DRAIN | RED | REDUCER |
| AFF | ABOVE FINISHED FLOOR | REFR | REFRIGERANT |
| AFG | ABOVE FINISHED GRADE | RELOC | RELOCATE, RELOCATED |
| AHU | AIR HANDLING UNIT | REQ'D | REQUIRED |
| ALUM | ALUMINUM | RPBP | REDUCED PRESSURE BACKFLOW PREVENTER |
| ARCH | ARCHITECT, ARCHITECTURAL | S | SOFTENED WATER |
| AW | ACID WASTE | SA | SUPPLY AIR |
| BA VA | BALL VALVE | SAN | SOIL & WASTE MAIN, SITE |
| BF VA | BUTTERFLY VALVE | SD | SMOKE DAMPER W/ AD, STORM DRAIN |
| BFF | BELOW FINISHED FLOOR | SM | GALVANIZED SHEET METAL |
| BTUH | BRITISH THERMAL UNITS PER HOUR | SP | STATIC PRESSURE, IN. H2O |
| CD | CONDENSATE DRAIN | SS | SANITARY SEWER BELOW GRADE |
| CFH | CUBIC FEET PER HOUR | SS | STAINLESS STEEL |
| CFM | CUBIC FEET PER MINUTE | T&P | TEMPERATURE / PRESSURE RELIEF VALVE |
| CHR/CHS | CHILLED WATER RETURN / SUPPLY | TEMP | TEMPERATURE |
| CONT | CONTINUATION | THK | THICK, THICKNESS |
| COORD | COORDINATE | T-STAT | THERMOSTAT |
| CU | CONDENSING UNIT | TYP | TYPICAL |
| CW | DOMESTIC COLD WATER | UON | UNLESS OTHERWISE NOTED |
| CWR/CWS | CONDENSER WATER RETURN / SUPPLY | V | SANITARY VENT |
| D | CONDENSATE DRAIN LINE, EQUIPMENT DRAIN | V | VOLT |
| DEG F | DEGREES FAHRENHEIT | VD | VOLUME DAMPER |
| DHWR | DOMESTIC HOT WATER RETURN | W | WATT |
| DIA | DIAMETER | W | WIDE, WIDTH |
| DN | DOWN | W | SANITARY SOIL/WASTE |
| E | EXISTING TO REMAIN | W | WITH |
| EA | EACH | WCO | WALL CLEANOUT |
| EDB | ENTERING DRY BULB TEMPERATURE | WIN | WITHIN |
| EDF | ELECTRIC DRINKING FOUNTAIN | W/OUT | WITHOUT |
| EF | EXHAUST FAN | YCO | YARD CLEANOUT |

ABBREVIATIONS

| | | | |
|---------|-------------------------------------|--------|-------------------------------------|
| ELEC | ELECTRICAL | IN | INCHES |
| EQUIP | EQUIPMENT | INSUL | INSULATION, INSULATE |
| EWB | ENTERING WET BULB TEMPERATURE | K.E.S. | KITCHEN EQUIPMENT SUPPLIER |
| EWH | ELECTRIC WATER HEATER | L | LONG, LENGTH |
| EWT | ENTERING WATER TEMPERATURE | MAX | MAXIMUM |
| EXIST | EXISTING | MIN | MINIMUM |
| EXH | EXHAUST | MTD | MOUNTED |
| F&I | FURNISH AND INSTALL | MTG HT | MOUNTING HEIGHT |
| FCO | FLOOR CLEANOUT | MVD | MOTORIZED VOLUME DAMPER |
| FCU | FAN COIL UNIT | OA | OUTSIDE AIR |
| FD | FIRE DAMPER W/ AD | OH | OVERHEAD |
| FD | FLOOR DRAIN | NIC | NOT IN CONTRACT |
| FHV | FIRE HOSE VALVE | NTS | NOT TO SCALE |
| FLEX | FLEXIBLE DUCT | PH | PHASE |
| FS | FLOOR SINK | RA | RETURN AIR |
| F/SD | COMB. FIRE/SMOKE DAMPER W/ AD | RD | ROOF DRAIN, ROOF DRAIN LEADER |
| FT | FEET | RED | REDUCER |
| G | GAS | REFR | REFRIGERANT |
| GALV | GALVANIZED | RELOC | RELOCATE, RELOCATED |
| GA VA | GATE VALVE | REQ'D | REQUIRED |
| GL VA | GLOBE VALVE | RPBP | REDUCED PRESSURE BACKFLOW PREVENTER |
| GR/GS | GLYCOL RETURN / SUPPLY | S | SOFTENED WATER |
| H | HIGH, HEIGHT | SA | SUPPLY AIR |
| HW | DOMESTIC HOT WATER | SAN | SOIL & WASTE MAIN, SITE |
| HWR/HWS | HEATING WATER RETURN / SUPPLY | SD | SMOKE DAMPER W/ AD, STORM DRAIN |
| IN | INCHES | SM | GALVANIZED SHEET METAL |
| INSUL | INSULATION, INSULATE | SP | STATIC PRESSURE, IN. H2O |
| K.E.S. | KITCHEN EQUIPMENT SUPPLIER | SS | SANITARY SEWER BELOW GRADE |
| L | LONG, LENGTH | SS | STAINLESS STEEL |
| MAX | MAXIMUM | T&P | TEMPERATURE / PRESSURE RELIEF VALVE |
| MIN | MINIMUM | TEMP | TEMPERATURE |
| MTD | MOUNTED | THK | THICK, THICKNESS |
| MTG HT | MOUNTING HEIGHT | T-STAT | THERMOSTAT |
| MVD | MOTORIZED VOLUME DAMPER | TYP | TYPICAL |
| OA | OUTSIDE AIR | UON | UNLESS OTHERWISE NOTED |
| OH | OVERHEAD | V | SANITARY VENT |
| NIC | NOT IN CONTRACT | V | VOLT |
| NTS | NOT TO SCALE | VD | VOLUME DAMPER |
| PH | PHASE | W | WATT |
| RA | RETURN AIR | W | WIDE, WIDTH |
| RD | ROOF DRAIN, ROOF DRAIN LEADER | W | SANITARY SOIL/WASTE |
| RED | REDUCER | W | WITH |
| REFR | REFRIGERANT | WCO | WALL CLEANOUT |
| RELOC | RELOCATE, RELOCATED | WIN | WITHIN |
| REQ'D | REQUIRED | W/OUT | WITHOUT |
| RPBP | REDUCED PRESSURE BACKFLOW PREVENTER | YCO | YARD CLEANOUT |
| S | SOFTENED WATER | | |
| SA | SUPPLY AIR | | |
| SAN | SOIL & WASTE MAIN, SITE | | |
| SD | SMOKE DAMPER W/ AD, STORM DRAIN | | |
| SM | GALVANIZED SHEET METAL | | |
| SP | STATIC PRESSURE, IN. H2O | | |
| SS | SANITARY SEWER BELOW GRADE | | |
| SS | STAINLESS STEEL | | |
| T&P | TEMPERATURE / PRESSURE RELIEF VALVE | | |
| TEMP | TEMPERATURE | | |
| THK | THICK, THICKNESS | | |
| T-STAT | THERMOSTAT | | |
| TYP | TYPICAL | | |
| UON | UNLESS OTHERWISE NOTED | | |
| V | SANITARY VENT | | |
| V | VOLT | | |
| VD | VOLUME DAMPER | | |
| W | WATT | | |
| W | WIDE, WIDTH | | |
| W | SANITARY SOIL/WASTE | | |
| W | WITH | | |
| WCO | WALL CLEANOUT | | |
| WIN | WITHIN | | |
| W/OUT | WITHOUT | | |
| YCO | YARD CLEANOUT | | |

MECHANICAL LEGEND, ABBREVIATIONS & GENERAL NOTES

Plot Time: Friday, November 20, 2015 10:22:16 AM - Plotted By: RJS/SCHAEFER
 This file block has been modified to plot correctly using an MEP plot configuration.

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