



**STANDARD NOTES FOR DUCT MANUFACTURE:**

- ALL STRAIGHT DUCT LENGTHS TO BE 1400 U.N.O.
- ALL STRAIGHT BLANDED DUCT LENGTHS TO BE 1450 U.N.O.
- ALL BOOTS TO BE 175L U.N.O.
- ALL DUCT OFFSETS / TRANSITIONS TO BE 400L & EQUAL TAPERED U.N.O.
- ALL DUCTWORK SET UP & SET DOWN ARE TAKEN FROM BOTTOM TO BOTTOM OF DUCT.

**GENERAL NOTES AND LEGEND:**

- DUCT CONSTRUCTION TYPES:**
- L - LOW PRESSURE PLAIN DUCTWORK, BEAD ROLLED WITH NO INSULATION.
  - LP - LOW PRESSURE TOILET EXHAUST DUCTWORK, BEAD ROLLED, SEALED SEAMS, NO INSULATION.
  - LS - KITCHEN EXHAUST DUCT, 1.2m GAL, SEALED SEAMS AS PER ASSHRAE.
  - LI - INTERNAL INSULATION THICKNESS IN MILLIMETERS.
  - LIPO - LOW PRESSURE DUCTWORK WITH INTERNAL INSULATION FACED WITH PERFORATED FOL.
  - LIPI - INTERNAL INSULATION THICKNESS IN MILLIMETERS.
  - LIPOI - LOW PRESSURE DUCTWORK WITH INTERNAL INSULATION FACED WITH PERFORATED METAL.
  - LIPII - INTERNAL INSULATION THICKNESS IN MILLIMETERS.
  - LIPOII - LOW PRESSURE DUCTWORK WITH INTERNAL INSULATION FACED WITH MELNEX.
- DUCT CONSTRUCTION NOTES:**
- ALL S/A & R/A DUCTWORK IS TO BE CONSTRUCTED TO S.M.A.C.S.A. 500 PS STANDARDS.
  - ALL EXHAUST DUCTWORK IS TO BE CONSTRUCTED TO S.M.A.C.S.A. 500 PS STANDARDS.
  - ALL STANDARD STRAIGHTS ARE 1400mm U.N.O.
  - ALL STANDARD BOOTS ARE 300mm U.N.O.
  - STRAIGHTS ON ALL RADII BENDS ARE 50mm U.N.O.
  - STRAIGHTS ON ALL WELDED JOINTS ARE 100mm U.N.O.
  - STRAIGHTS ON ALL FITTINGS ARE 50mm U.N.O.
  - STRAIGHTS ON ALL JOINTS TO BE 50mm U.N.O.
  - 350° - DUCT JOINT TO BE 35mm FRAME.
- SENSOR/ALARM/PANEL/BUTTON NOTES:**
- SM - AFTER HOURS PUSH BUTTON
  - S - SWITCH
  - CO - OXYGEN SENSOR
  - CO2 - LOW-LEVEL OXYGEN ALARM
  - CO - CARBON MONOXIDE SENSOR
  - N2 - NITROGEN GAS REGULATOR/PANEL
  - EM - MANUAL EMERGENCY SHUT-OFF BUTTON
- LEGEND:**
- FLOOR LEVEL
  - PIECE NUMBER
  - DUCT CONSTRUCTION
  - INSULATION R VALUE

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- LEGEND:**
- FD - FIRE DAMPER TAG
  - VCD - VOLUME CONTROL DAMPER TAG
  - UC - UNDERCUT DOOR
  - UC - DENOTES DOOR GRILLE SUPPLIED BY D.P. INDUST. & INSTALLED BY BUILDER
  - UC - 25mm UNDERCUT DOOR
  - UC - REFER PLAN AND GRILLE LABEL FOR DOOR GRILLE SIZES
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- LEGEND:**
- A/P - ACCESS PANEL
  - LF - LOOSE FRAME
  - SE - STOP END
  - MS - MEASURE ON SITE
  - RE - RAIN EDGE
  - T/O - TURN OUT
  - N.T.S - NOT TO SCALE
  - RL 7.100 - HEIGHT LEVEL OF SSL BELOW DUCT
  - RL 2.000 - 1/3 HEIGHT OF DUCT FROM SSL BELY
  - TRANSITION
  - H - HIGH
  - L - LOW
  - BU - BOTTOM DOWN
  - BU - BOTTOM UP
  - ON (ON DIRECTION OF AIRFLOW)
  - OFF-FLAT ON TOP
  - ET - EQUAL TAPER
  - BW - BOTH WAYS
  - ⊙ - THERMOSTAT
  - ⊙ - A/C CONTROLLER
  - ⊙ - HUMIDISTAT
  - ⊙ - TANGSHU
  - ⊙ - 450x450 ACCESS PANEL(LONG)
  - - REFRIGERANT PIPE
  - - CONDENSATE DRAIN PIPE