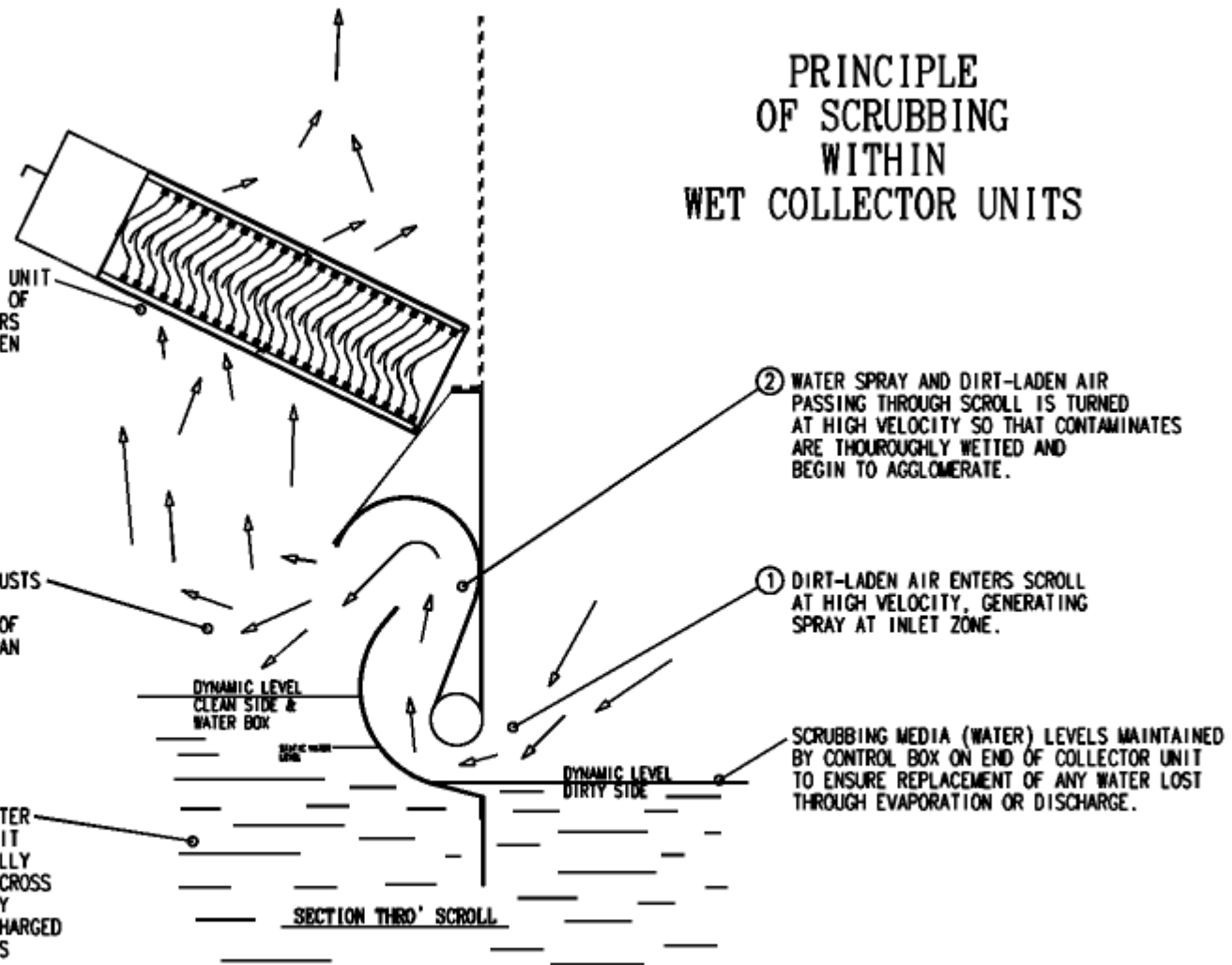


PRINCIPLE OF SCRUBBING WITHIN WET COLLECTOR UNITS

④ BEFORE PASSING OUT OF COLLECTOR UNIT THE AIR PASSES THROUGH A SERIES OF CHEVRON OR SINE CURVE ELIMINATORS TO REMOVE ANY MIST WHICH HAS BEEN REINTRAINED IN THE AIRSTREAM.

③ UPON LEAVING THE SCROLL HEAVY DUSTS AND AGGLOMERATED PARTICLES ARE DISCHARGED TOWARDS THE SURFACE OF THE SCRUBBING MEDIA, WHILST CLEAN AIR TURNS UPWARDS TO PASS INTO THE MIST ELIMINATOR CHEVRONS.

PARTICULATE IN SUSPENSION IN WATER SETTLES OUT TO THE BOTTOM OF UNIT TO BE REMOVED EITHER AUTOMATICALLY BY DRAG LINK CONVEYOR RUNNING ACROSS THE BASE OF THE UNIT OR MANUALLY USING SUITABLE RAKE, TO BE DISCHARGED AT HEAD OF CHUTE INTO CUSTOMER'S RECEPTACLE FOR DISPOSAL. ALTERNATIVELY A VALLEY HOPPER IS FITTED WITH A PIPED DISCHARGE, BUT IS SUITABLE FOR A LIQUID/FREE-FLOWING SLURRY ONLY.



② WATER SPRAY AND DIRT-LADEN AIR PASSING THROUGH SCROLL IS TURNED AT HIGH VELOCITY SO THAT CONTAMINATES ARE THOROUGHLY WETTED AND BEGIN TO AGGLOMERATE.

① DIRT-LADEN AIR ENTERS SCROLL AT HIGH VELOCITY, GENERATING SPRAY AT INLET ZONE.

SCRUBBING MEDIA (WATER) LEVELS MAINTAINED BY CONTROL BOX ON END OF COLLECTOR UNIT TO ENSURE REPLACEMENT OF ANY WATER LOST THROUGH EVAPORATION OR DISCHARGE.

DUSTAIR LIMITED

ENGINEERS IN DUST AND FUME CONTROL

UNIT 13, PEEMORE IND. ESTATE, PEEMORE ROAD, BRIDLEY HILL, WEST MID'S, DY5 1TJ
TELEPHONE: +44(0)1384 76662 / 77716. FAX: +44(0)1384 77227.
E-MAIL: SALES@DUSTAIR.CO.UK WEB SITE: WWW.DUSTAIR.CO.UK