



NOTES:

1. DRAWING SHOWS APPROXIMATE LOCATION OF UVC ULTRAVIOLET EXPOSURE CHAMBER MOUNTED TO EXISTING CONVEYOR FOR THE PURPOSE OF STERILIZING THE TOP SURFACE OF THE CONVEYOR BELT AS IT PASSES THROUGH THE RETURN SIDE OF THE CONVEYOR. UV CONTROL ENCLOSURE AS PROVIDED BY A A W IS SHOWN IN ITS APPROXIMATE MOUNTING LOCATION.
2. UV EXPOSURE CHAMBER CONTAINS (10) GML900A AMALGAM LAMPS, MEASURING 1554mm LONG. LAMPS ARE RATED FOR 320 TOTAL WATTS EACH, 105 UVC WATTS, AND HAVE AN INTENSITY RATING OF 750 uW/CM2 AT A DISTANCE OF ONE METER. WITH (10) LAMPS POSITIONED AT 2.38" O.C. AND APPROXIMATELY 6" FROM CONVEYOR BELT RETURN PATH, THE CALCULATED UVC INTENSITY LEVEL AT THE BELT SURFACE WILL BE GREATER THAN 50,000 uW/CM2. BASED UPON A CONVEYOR LINE SPEED OF 45 FPM, THE ESTIMATED EXPOSURE TIME THROUGH THE CHAMBER'S UV LAMP PATTERN WIDTH WILL BE 2.67 SECONDS; WITH THE OVERALL ENERGY LEVEL PROVIDED TO THE BELT BEING IN THE RANGE OF 133,500 uW/CM2 SECONDS EXPOSURE.

SIGN FOR APPROVAL:

DATE: _____

AMERICAN AIR & WATER, INC.

SCALE: 10/14/2009	DESIGNED BY: M.Glasson
UVC AMALGAM LAMP CONVEYOR RETRO-FIT KIT for KELLOGG USA INC	
DATE: 10/14/2009	1 OF 5
AUV-2713A	