

ENERAL	NOTES

- 1. THE PURPOSE OF THIS DRAWING IS TO DEFINE CORRECT ASSEMBLIES AND COMPONENTS OF KEEGUARD.
- 2. THE BILL OF MATERIAL IS THE TOTAL QUANTITIES OF KEEGUARD ASSEMBLIES REQUIRED FOR INSTALLATION.
- 3. INSTALLER MUST NOT DEVIATE FROM THE DIMENSIONAL LAYOUT OF KEEGUARD AS DEFINED BY THIS DRAWING.
- 4. SUBSTITUTION OF KEEGAURD ASSEMBLIES WITH OTHER MATERIALS OR COMPONENTS VOIDS ANY GUARANTEE, IMPLIED OR OTHERWISE, SUBSTITUTION OF KEEGUARD ASSEMBLIES WITH OTHER MATERIALS MAY CREATE HAZARDS, RISK OF INJURY OR PRODUCT FAILURE.
- 5. KEEGUARD ROOF EDGE PROTECTION SYSTEM IS NOT TO BE USED AS AN ANCHOR FOR FALL ARREST SYSTEMS.
- 6. ALL SET SCREWS MUST BE TIGHTENED TO A TORQUE OF 29 FT. LBS.
- 7. WHERE THE KEECHARD ROOF EDGE PROTECTION SYSTEM FINDS AND ATTACHES TO EXISTING BUILDING CONSTRUCTION WITH A WALL FLANGE (61-8), ATTACHMENT METHOD IS THE RESPONSIBILITY OF THE INSTALLER AND MUST COMPLY WITH ALL BUILDING CODES AND STANDARDS.
- 8. Drawing is based on the information provided to kee safety. We are not responsible for field conditions that are different from the information provided to Us.

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Installation Instructions:

1. Be sure the locations for all uprights and counterbalances are free from stones and loose debris. Kee Safely advises that Kee Guard should not be installed during snowy or icy weather unless all snow and ice is cleared first.

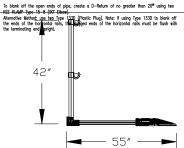
- 2. Position a KGU (KEE GUARD Upright). Angle of uprights are adjustable between 90° and 79° from the horizontal. Connect a CB4 PVC counterbalance assembly to the KGU with the 66° long 1-1/4° pipe and tighten the set screws to 29 lbs/ft (39 Nm).
- 3. Position a KGU at $3^{\circ}-3^{\circ}$ from the first upright and connect a CB3 PVC assembly with the 42° long $1-1/4^{\circ}$ pipe and tighten the set screws to 29 lbs/ft (39 Nm).
- 4. Position a KGU at 6^-6^+ from the previous upright and connect a CB1 PVC assembly with the 42^+ long $1-1/4^+$ pipe and tighten the set screws to 29 lbs/ft (39 Nm).
- 5. Set the Schedule 40 1-1/2° galvanized pipe into the KEE KLAMP Type 135-8 at the top and at the mid section of the uprights to form two rails and lighten the set screens. Connect the lengths of handful logether using Kee Klamp Type 14-5 (Straight Coupling) and tighten the set screens to 29 lbg/ft (39 km). De sure to stagger the joints of the horizontal rails. Ideally the Type 14-8 (Straight Coupling) connections on the mid rail and top rail should be offset by 6'-6'.
- 6. Continue along the roof edge repeating steps 4 & 5.
- 7. At 90 corners, use Kee Klamp Type 15-8 (90 Elbow). Ensure that an upright is located less than 20 from the corner. The total length between uprights around the corner must be no greater than $6^{\circ}-6^{\circ}$.

<u>Corners:</u>
At corners greater than or less than 90° where a run is continuous, use KEE KLAMP Type BSC3-88 (Swivel Elbow). Be sure the spacing is no greater than 6^-6^+ between the uprights, with one upright being no further than 20^+ from the corner.

REV. DATE

<u>Termination:</u>
The beginning and end of every continuous run must have a KGU with a CB4 PVC assembly and a KGU with a CB3 PVC assembly 3'-3' from the CB4 PVC assembly unless fastened to a structural member.

To fasten the KEE GUARD roil into brickwork use two KEE KLAMP Type 61-8 (Wall Flange). The closest upright should be placed no further than 6^-6^+ from the wall.



DATE			DESCRIPTION		
RE'	VISION	&	SUBMITTAL	RECORD	

KEE SAFETY, INC

100 STRADTMAN STREET, BUFFALO NY 14206 PHONE: 716-896-4949 FAY: 716-896-5696

DWG. #

29 STRAIGHT SECTION UN-RESTRAINED

WEBSITE WWW.KEESAFETY.COM	
KEEGUARD ROOF EDGE PROTECTION SYSTEM	DWN. BY DMS
SYSTEM INSTALLATION DRAWING	CHK'D BY SCALE RE
29' STRAICHT SECTION LIN_RESTRAINED	NONE DWG. No.

COMPONENT DESIGNATION QTY. PIECE DESCRIPTION KGU135 6 Main Upright Assembly with Kee Klamp fitting to attach counterbalance system CB1PVC 2 Main Counterbalance Assembly - Plastic CB3PVC 2 Triple Free End Counterbalance Assembly - Plastic CB4PVC 2 4 Free End Counterbalance Assembly - Plastic CB4PVCSH 0 4 Free End Counterbalance Assembly - Plastic - SHORT 14-8 2 Kee Klamp pipe connector 1-1/2* 15...8 0 Kee Klamp 90" elbow for corner 1-1/2" D-RETURNS 2 D-return HANDRAIL 3 Lengths of 1-1/2" galvanized horizontal rails 21'-0" long

BC53-88 0 Kee Klamp Swivel Elbow 1-1/2*

BILL OF MATERIAL