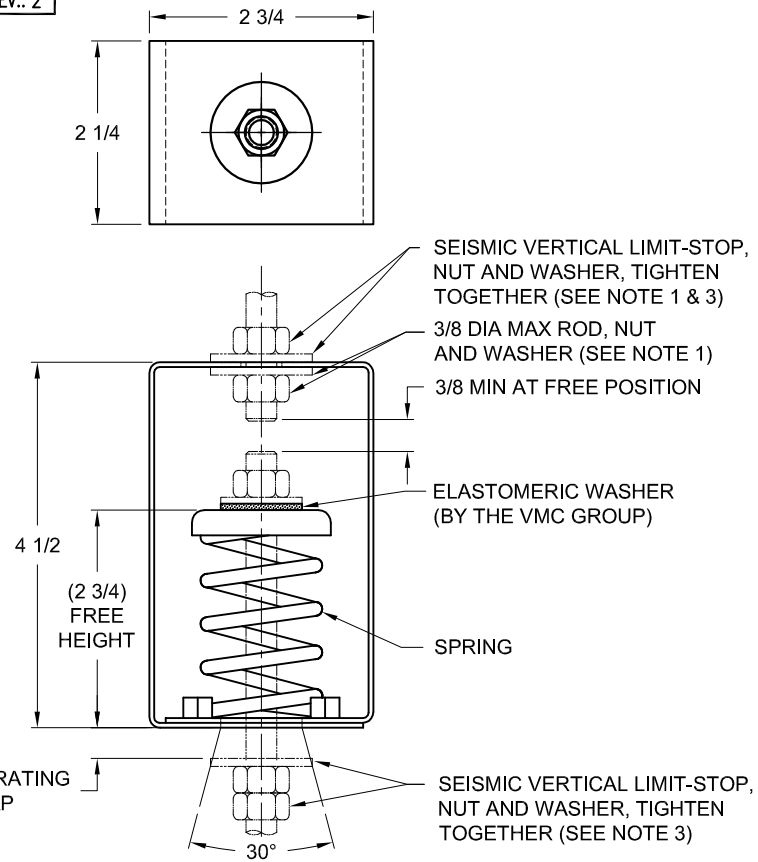
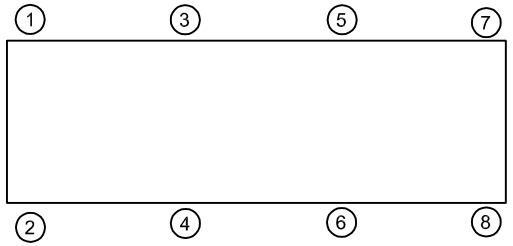
135R–103825 | REV.: 2

REV.	DESCRIPTION	DATE	BY



TYPE HSA-1B PRE-COMPRESED SPRING ANGULARITY HANGERS FOR 1" NOMINAL DEFLECTION				
HANGER	RATED LOAD (LBS)	DEFLECTION (IN)	SPRING RATE (LB/IN)	SPRING COLOR CODE
HSA-1B-20PR	20	1.25	16	DK BLUE
HSA-1B-35PR	35	1.17	30	BLACK
HSA-1B-50PR	50	1.11	45	RED
HSA-1B-70PR	70	0.88	80	DK GREEN
HSA-1B-85PR	85	0.81	105	GRAY



NOTES:

1. HANGER RODS, NUTS AND WASHERS, AS SHOWN, NOT BY THE VMC GROUP. INSTALL WASHER .1 THK. MIN. X 1-1/4 O.D. MIN WITH REQUIRED INSIDE DIAMETER TO ACCOMMODATE ROD SIZE IN USE. THIS CAN BE ACCOMPLISHED BY USING A SINGLE WASHER OR BY STACKING NOT MORE THAN TWO WASHERS.
2. STANDARD FINISH: HANGER BOX - PAINTED, POWDER COATED OR GALVANIZED STEEL, SPRING - POWDER COAT.
3. SEISMIC VERTICAL LIMIT-STOP REQUIRED FOR SEISMIC APPLICATIONS.
4. ALL DIMENSIONS IN INCHES. INTERPRET PER ANSI Y14.
5. ALL DIMENSIONS ARE FOR REFERENCE, DIMENSIONS SHOWN AS NOMINAL.
6. ALL SPRINGS ARE DESIGNED WITH MINIMUM 50% OVER-TRAVEL.
7. HANGER BOXES ARE AVAILABLE PRE-COMPRESSED UP TO THEIR DESIGNATED MAX. LOAD. PERCENTAGE OF PRE-COMPRESSION TO BE DETERMINED BY ENGINEERED APPLICATION OR AS REQUESTED BY CUSTOMER. CONSULT FACTORY FOR POSSIBLE ADDITIONAL PARAMETERS AND OR LIMITATIONS.
8. DOUBLE LOWER NUT PROVIDED.
9. ROD EXTENSION BELOW LOWER NUT EXTENDS (1.5XROD DIA.) AS SHIPPED.
10. PRE-COMPRESSED 50% OF SPRING RATED DEFLECTION.
11. RATED DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.

ISOLATOR SELECTIONS	
LOC 1:	LOC 2:
LOC 3:	LOC 4:
LOC 5:	LOC 6:
LOC 7:	LOC 8:
CUSTOMER EQP'T. TAG:	

NOTE: MATERIAL SHOWN IS FOR (1) SET.

OTHER MATERIALS, COMPOUNDS, OR FINISHES WITH EQUAL OR SUPERIOR PROPERTIES MAY BE SUBSTITUTED AS THEY BECOME AVAILABLE.

CERTIFIED FOR:

JOB NAME: _____

CUSTOMER : _____

CUSTOMER P.O.: _____

SALES ORDER: _____

MODEL HSA-1B 20-85 LBS. PRE-COMPRESSED SPRING ANGULARITY HANGERS 1 INCH DEFLECTION

THE VMC GROUP
The Power of Together
Bloomingdale, NJ 07403
Houston, TX 77041

SCALE : NONE

SHEET: 1 OF 1

Member VISCMA

DRAWING NO.:

REVISION

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