**NOTES:**

1. HANGER RODS, NUTS AND WASHERS, AS SHOWN, NOT BY THE VMC GROUP. INSTALL WASHER .16 THK. MIN. X 2-1/2 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 HARDWARE REQUIRED FOR SEISMIC APPLICATIONS SUPPLIED BY VMC
4. DIMENSIONS IN INCHES. INTERPRET PER ANSI Y14.
5. DIMENSIONS ARE FOR REFERENCE, DIMENSIONS SHOWN AS NOMINAL.
6. SPRINGS ARE DESIGNED WITH MINIMUM 50% OVER-TRAVEL.
7. 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. HANGER BOXES WITH AN ELASTOMERIC ELEMENT HAVE UP TO AN ADDITIONAL 1/2" NOMINAL DEFLECTION.
9. RATED DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.

**TYPE HRSA-3E PRE-COMPRESSED ELASTOMERIC & SPRING ANGULARITY HANGERS
FOR 3" NOMINAL DEFLECTION**

HANGER	RATED LOAD (LBS.)	DEFLECTION (IN)	SPRING RATE (LBS/IN)	SPRING COLOR CODE	SPRING COLOR CODE
HRSA-3E-1600PR	1600	3.00	533	DK. GRAY	RE-D-1900-GREEN
HRSA-3E-2110PR	2110	2.53	833	DK. YELLOW	RE-D-3050-GRAY
HRSA-3E-2440PR	2440	2.44	1000	RED	RE-D-3050-GRAY
HRSA-3E-3500PR	3500	2.63	1333	GREEN	RE-D-4200-BLUE

DOCUMENT SPECIFICATION ACKNOWLEDGMENT

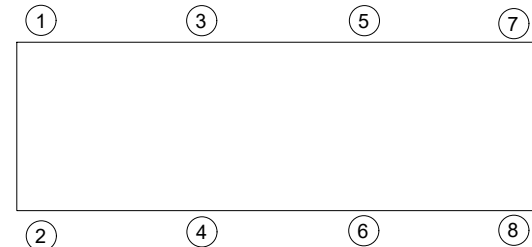
SIGNATURE CERTIFIES DRAWING HAS BEEN REVIEWED AND APPROVED AS ILLUSTRATED.

APPROVED BY: _____ DATE: _____

CUSTOMER ACKNOWLEDGMENTS

ANY REVISION, CHANGE, OR MODIFICATION MADE TO THIS APPROVAL AFTER IT HAS BEEN SIGNED AND APPROVED MAY AFFECT PRODUCT DELIVERY DATE AND/OR COST.

RECEIVED BY: _____ DATE: _____

**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 HRSA-3E 1600-3500 LBS.
PRE-COMPRESSED
ELASTOMERIC & SPRING ANGULARITY
HANGERS
3 INCH NOMINAL DEFLECTION

**VMC GROUP**
CONTROLLED ENVIRONMENT SOLUTIONS™

Bloomingdale, NJ Houston, TX Corona, CA Wind Gap, PA

SCALE:	SHEET:	DRAWING NO.:	REVISION
NONE	1 of 1		