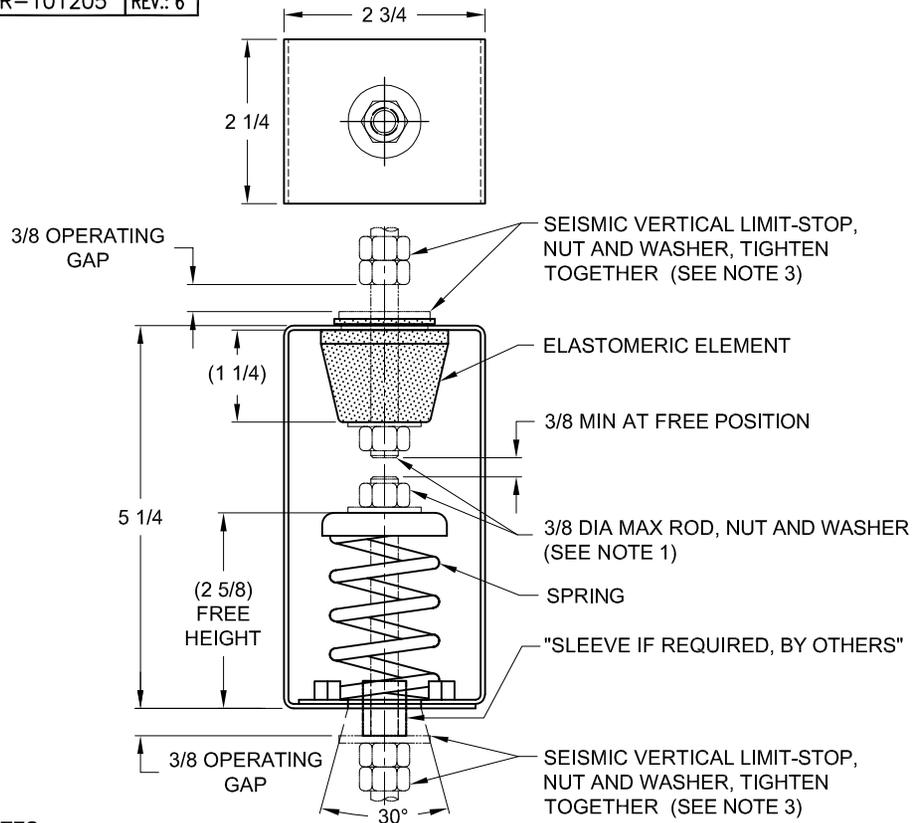


| REV. | DESCRIPTION | DATE | BY |
|------|-------------|------|----|
|      |             |      |    |



| TYPE HRSA-1B ELASTOMERIC & SPRING ANGULARITY HANGERS<br>FOR 1" NOMINAL DEFLECTION |                  |                 |                     |                   |                           |
|---|------------------|-----------------|---------------------|-------------------|---------------------------|
| HANGER  | RATED LOAD (LBS) | DEFLECTION (IN) | SPRING RATE (LB/IN) | SPRING COLOR CODE | ELEMENT LOAD & COLOR CODE |
| HRSA-1B-20  | 20               | 1.48            | 16                  | DK BLUE           | RE-A-35 BLUE              |
| HRSA-1B-35  | 35               | 1.57            | 30                  | BLACK             | RE-A-35 BLUE              |
| HRSA-1B-50  | 50               | 1.38            | 45                  | RED               | RE-A-75 RED               |
| HRSA-1B-70  | 70               | 1.25            | 80                  | DK GREEN          | RE-A-75 RED               |
| HRSA-1B-85  | 85               | 1.09            | 105                 | GRAY              | RE-A-120 GREEN            |

**NOTES:**

- HANGER RODS, NUTS AND WASHERS, AS SHOWN, NOT BY THE VMC GROUP.
- STANDARD FINISH: HANGER BOX - PAINTED, POWDER COATED OR GALVANIZED STEEL, SPRING - POWDER COAT.
- SEISMIC VERTICAL-STOP HARDWARE REQUIRED FOR SEISMIC APPLICATIONS, 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.
- ALL DIMENSIONS IN INCHES. INTERPRET PER ANSI Y14.
- ALL DIMENSIONS ARE FOR REFERENCE, DIMENSIONS SHOWN AS NOMINAL.
- ALL SPRINGS ARE DESIGNED WITH MINIMUM 50% OVER-TRAVEL.
- 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.
- HANGER BOXES WITH AN ELASTOMERIC ELEMENT HAVE UP TO AN ADDITIONAL 1/2" NOMINAL DEFLECTION.
- RATED DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.

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-1B 20-85 LBS.  
 ELASTOMERIC AND 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



DRAWING NO.: \_\_\_\_\_ REVISION \_\_\_\_\_