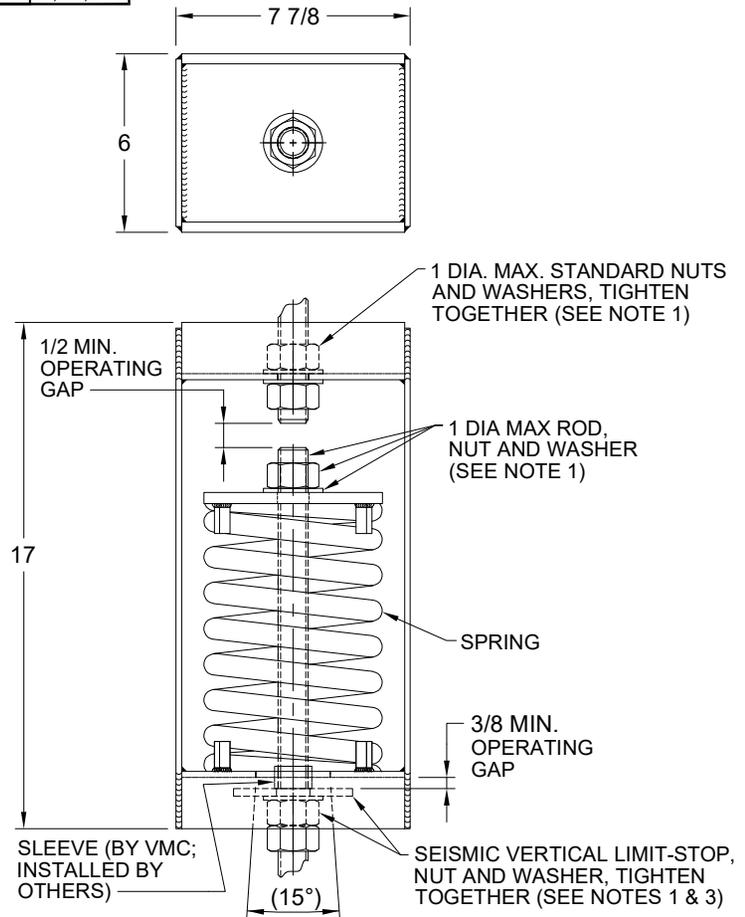


REV.	DESCRIPTION	DATE	BY



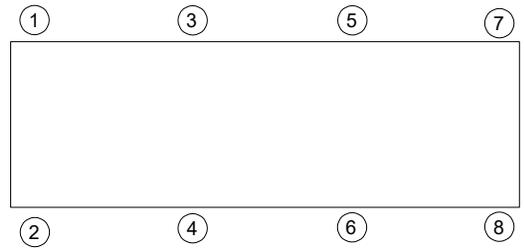
TYPE HSA-3E SPRING ANGULARITY HANGERS FOR 3" NOMINAL DEFLECTION				
HANGER	RATED LOAD (LBS)	DEFLECTION (IN)	SPRING RATE (LB/IN)	SPRING COLOR CODE
HSA-3E-1600	1600	3.00	533	DK GRAY
HSA-3E-2110	2110	2.53	833	DK YELLOW
HSA-3E-2440	2440	2.44	1000	RED
HSA-3E-3500	3500	2.63	1333	GREEN

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: _____



- 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 LIMIT-STOP REQUIRED FOR SEISMIC APPLICATIONS; NOT BY THE VMC GROUP. INSTALL WASHER .25 THK. MIN. X 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 AS SHOWN.
 - ALL DIMENSIONS ARE FOR REFERENCE; DIMENSIONS SHOWN AS NOMINAL. INTERPRET PER ANSI Y14.
 - ALL SPRINGS ARE DESIGNED WITH MINIMUM 50% OVER-TRAVEL.
 - HANGER BOXES ARE AVAILABLE PRE-COMPRESSED UP 50% OF THEIR DESIGNATED MAX. LOADS.
 - 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 EQPT. 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-3E 1600-3500 LBS.
SPRING ANGULARITY HANGERS
3 INCH NOMINAL DEFLECTION**



SCALE: NONE

SHEET: 1 OF 1

DRAWING NO.: _____

REVISION: _____

Member VISCMA