

NOTES

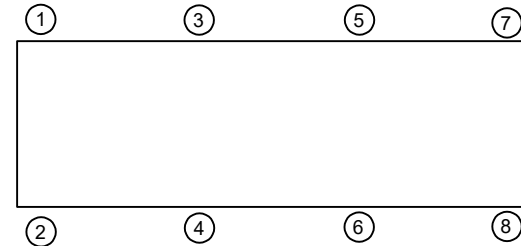
1. ALL DIMENSIONS ARE IN INCHES. INTERPRET PER ANSI Y-14.
2. FINISH: HOUSING- ONE COAT BLACK PAINT, SPRING- BLACK PAINT, HARDWARE- ZINC ELECTROPLATE.
3. INNER NESTED SPRING, WHEN USED, NOT SHOWN. SEE SPRING TABLE, NOTE 1.
4. ALL SPRINGS DESIGNED WITH 50% OVER-TRAVEL.
5. REFER TO TABLE ABOVE FOR ALLOWABLE HORIZONTAL AND VERTICAL G RATINGS. SEE TABLE NOTE 2.
6. ISOLATOR HAS BEEN FACTORY PRE-COMPRESSED A NOMINAL 1/2 INCHES.
7. PRIOR TO MOUNTING EQUIPMENT, THE INTERNAL VERTICAL RESTRAINT WILL BE AGAINST THE HOUSING TOP PLATE AND THE ADJUSTING NUT WILL BE 1/4" ABOVE THE BLOCK AT THE "FREE HEIGHT." WHEN THE EQUIPMENT IS MOUNTED, THE SPRING WILL DEPRESS AND REST ON THE SHIM AT THE "OPERATING HEIGHT."
8. RATED DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.

TYPE AMSR-2E SEISMICALLY RESTRAINED SPRING VIBRATION ISOLATORS

| MODEL | RATED LOAD (LBS) | RATED DEFLECTION (IN) | SPRING RATE (LB/IN) | SPRING COLOR CODE | ALLOWABLE G RATING ² | |
|----------------------------|------------------|-----------------------|---------------------|-------------------|---------------------------------|----------|
| | | | | | HORIZONTAL | VERTICAL |
| AMSR-2E-80 | 80 | 2.00 | 40 | BLACK | 17.5 | 23.1 |
| AMSR-2E-150 | 150 | 2.00 | 75 | GREEN | 9.3 | 12.3 |
| AMSR-2E-300 | 300 | 2.00 | 150 | DK YELLOW | 4.7 | 6.2 |
| AMSR-2E-500 | 500 | 2.00 | 250 | BLUE | 2.8 | 3.7 |
| AMSR-2E-776N | 776 | 2.00 | 3.88 | BLUE/BLACK | 1.8 | 2.4 |
| AMSR-2E-1000 | 1000 | 2.00 | 500 | TAN | 1.4 | 1.9 |
| AMSR-2E-1400 | 1400 | 1.87 | 750 | RED | 1.0 | 1.3 |
| AMSR-2E-1600N ¹ | 1600 | 2.13 | 750 | TAN/RED | 0.9 | 1.2 |
| AMSR-2E-1800 | 1800 | 1.71 | 1050 | DK GRAY | 0.8 | 1.0 |
| AMSR-2E-2050 | 2050 | 1.64 | 1250 | DK BLUE | 0.7 | 0.9 |
| AMSR-2E-2250N ¹ | 2250 | 1.62 | 1388 | DK BLUE/BLACK | 0.6 | 0.8 |
| AMSR-2E-2460N ¹ | 2460 | 1.64 | 1500 | DK BLUE/RED | 0.6 | 0.8 |
| AMSR-2E-2700N ¹ | 2700 | 1.64 | 1650 | DK BLUE/ DK GREEN | 0.5 | 0.7 |

TABLE NOTES:

1. TWO NESTED SPRINGS YIELD THIS LOAD.
2. ALL ALLOWABLE G RATINGS ARE BASED ON HILTI KWIKBOLT TZ WEDGE ANCHORS (OR EQUAL) IN STONE AND AGGREGATE CONCRETE (F_c=3000 PSI).
3. RATED LOAD OF ISOLATOR IS STAMPED ON SPRING ASSEMBLY BASE PLATE.



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 AMSR-2E 80-2700 LBS.
SEISMIC ISOLATORS
2 INCH DEFLECTION



VMC GROUP
THE POWER OF TOGETHER®
Bloomingdale, NJ 07403
Houston, TX 77041

SCALE:

NONE

SHEET:

1 OF 2

DRAWING NO.:

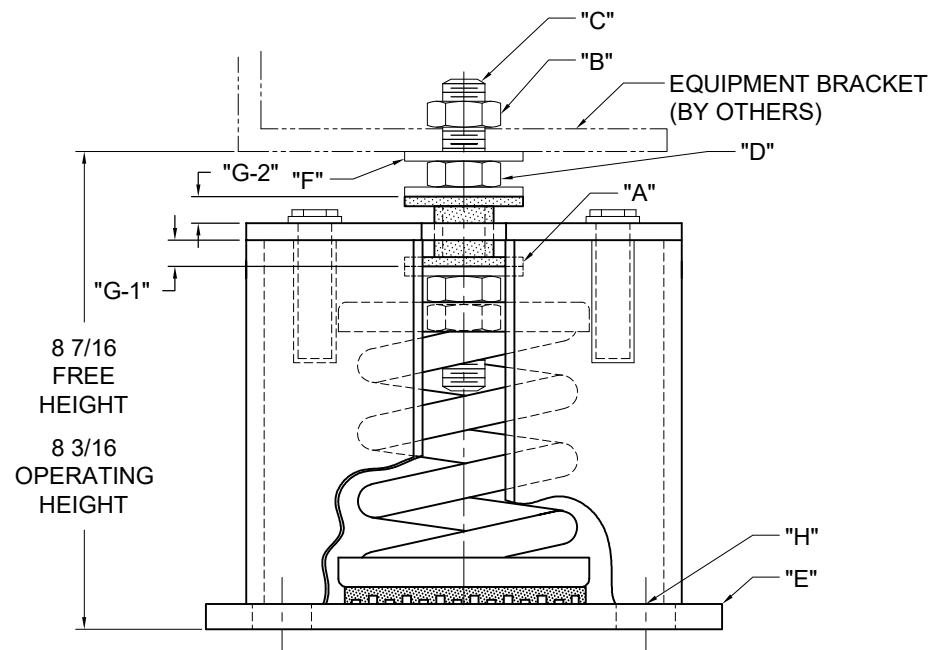
REVISION



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

READ INSTRUCTIONS IN THEIR ENTIRETY BEFORE BEGINNING.

- ISOLATORS ARE SHIPPED FULLY ASSEMBLED AND ARE TO BE SPACED AND ARRANGED IN ACCORDANCE WITH INSTALLATION DRAWINGS OR AS OTHERWISE RECOMMENDED.
- SET ISOLATORS ON FLOOR OR SUB-BASE, ENSURING THAT ALL ISOLATOR CENTERLINES MATCH THE EQUIPMENT MOUNTING HOLES OR SPACE AND ARRANGE ISOLATORS IN ACCORDANCE WITH THE INSTALLATION DRAWING. SHIM OR GROUT AS REQUIRED LEVELING ALL ISOLATOR BASE PLATES AT THE SAME ELEVATION (1/4" MAXIMUM DIFFERENCE IN ELEVATION CAN BE TOLERATED). ISOLATOR BASE MUST REST ON A FLAT SURFACE.
- ANCHOR DOWN ISOLATOR'S USING BASE PLATE THRU HOLES "H".
- REMOVE EQUIPMENT ATTACHMENT NUT "B" ON ISOLATOR STUD "C" AND PLACE EQUIPMENT ON ISOLATOR'S WASHER "F". THE EQUIPMENT WEIGHT WILL COMPRESS THE SPRING INSIDE THE HOUSING.
- TURN THE ADJUSTING NUT "D" UNDER THE WASHER COUNTER-CLOCKWISE TO COMPRESS THE SPRING. WHEN THE LOAD IS EQUALIZED, TURNING THE NUT WILL RAISE THE EQUIPMENT UNTIL THE INTERNAL GAP "G-1" IS APPROXIMATELY EQUAL TO THE EXTERNAL GAP "G-2". (I.E. THE EQUIPMENT CAN MOVE UP OR DOWN, THE SAME DISTANCE IN A SEISMIC EVENT).
- THE ADJUSTING PROCESS SHOULD BE DONE GRADUALLY ON ALL ISOLATORS.
- REPLACE ISOLATOR ATTACHMENT NUTS "B" ON ADJUSTING BOLTS "C" TO SECURE MACHINE LEGS TO ISOLATORS. HAND TIGHTEN WHERE THERE IS FIRM CONTACT BETWEEN THE NUT AND EQUIPMENT. (HAND TOOLS MAY BE USED.) THEN TIGHTEN THE NUT AN ADDITIONAL 1/3 TURN.



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 AMSR-2E 80-2700 LBS.
SEISMIC ISOLATORS
2 INCH DEFLECTION**



**VMC
GROUP**
THE POWER OF TOGETHER™
Bloomingdale, NJ 07403
Houston, TX 77041

SCALE:

NONE

SHEET:

2 OF 2

DRAWING NO.:

REVISION

Member
VISCMA