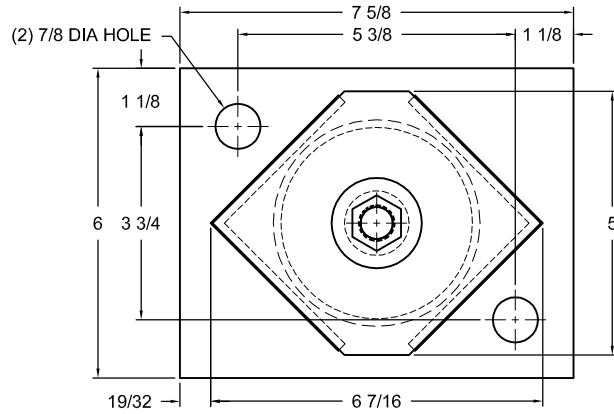


180R-101845 REV.: 13

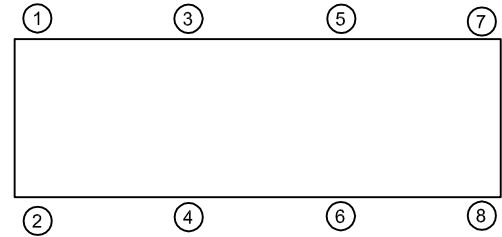
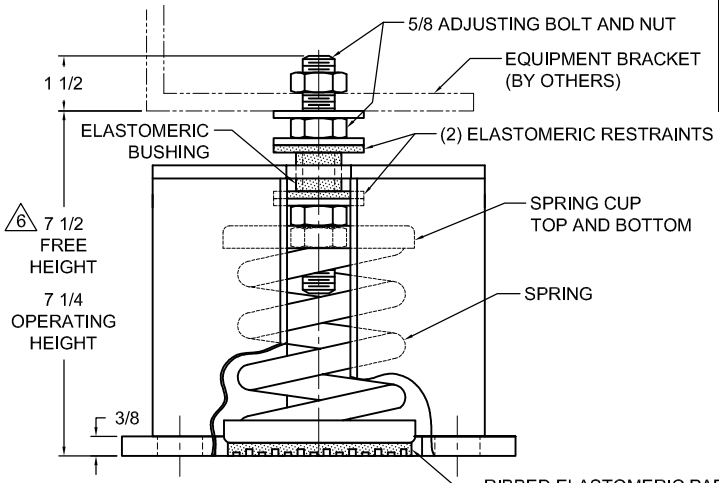
REV.	DESCRIPTION	DATE	BY



TYPE AMSR-2D SEISMICALLY RESTRAINED SPRING VIBRATION ISOLATORS

MODEL	RATED LOAD (LBS)	RATED DEFLECTION	SPRING RATE (LB/IN)	SPRING COLOR CODE	ALLOWABLE G RATING ²	
					HORIZONTAL	VERTICAL
AMSR-2D-75	75	2.42	31	WHITE	18.7	24.7
AMSR-2D-160	160	2.29	70	YELLOW	8.8	11.6
AMSR-2D-230	230	2.30	100	GREEN	6.1	8.0
AMSR-2D-355	355	2.15	165	DK BROWN	3.9	5.2
AMSR-2D-435	435	1.89	230	RED	3.2	4.3
AMSR-2D-600N ¹	600	1.88	319	RED/ BLACK	2.3	3.1
AMSR-2D-725	725	1.61	450	TAN	1.9	2.6
AMSR-2D-845	845	1.69	570	PINK	1.7	2.2
AMSR-2D-1000N ¹	1000	1.52	659	PINK/ BLACK	1.4	1.9
AMSR-2D-1320N ¹	1320	1.42	927	PINK/GRAY	1.1	1.4
AMSR-2D-1435N ³	1435	1.43	1002	PINK/GRAY/ ORANGE	1.0	1.3
AMSR-2D-1640N ³	1640	1.54	1067	PINK/GRAY/ DK BROWN	0.88	1.1

TABLE NOTES:
 1. TWO NESTED SPRINGS YIELD THIS LOAD. THE COLOR CODE INDICATED IS FOR OUTER SPRING/ INNER SPRING.
 2. ALL ALLOWABLE G RATINGS ARE BASED ON HILTI KWKBOLT TZ WEDGE ANCHORS (OR EQUAL) IN STONE AND AGGREGATE CONCRETE (F_c=3000 PSI).
 3. THREE NESTED SPRINGS YIELD THIS LOAD.



- NOTES**
- ALL DIMENSIONS ARE IN INCHES. INTERPRET PER ANSI Y-14.
 - FINISH: HOUSING- ONE COAT BLACK PAINT, SPRING-POWDER COAT, HARDWARE- ZINC ELECTROPLATE.
 - INNER NESTED SPRING, WHEN USED, NOT SHOWN. SEE TABLE NOTES 1 AND 3.
 - ALL SPRINGS DESIGNED WITH 50% OVER-TRAVEL.
 - REFER TO TABLE ABOVE FOR ALLOWABLE HORIZONTAL AND VERTICAL G RATINGS. SEE TABLE NOTE 2.
 - ⚠** 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."
 - 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 AMSR-2D 75-1640 LBS.
 SEISMIC ISOLATORS
 2 INCH DEFLECTION**




SCALE: NONE

SHEET: _____

DRAWING NO.: _____

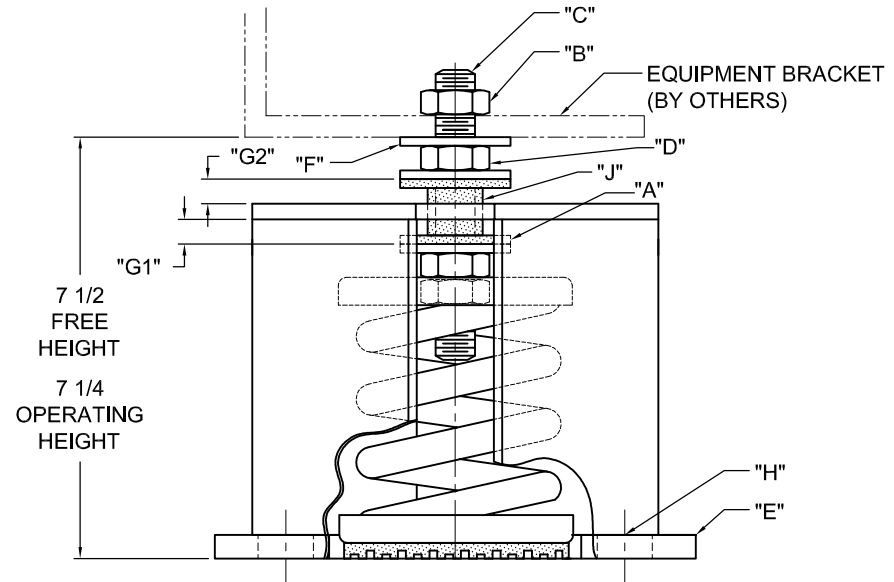
REVISION: _____



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. ENSURE THAT THE ELASTOMERIC BUSHING "J" IS NOT TOUCHING THE TOP PLATE.
- PRIOR TO INSTALLING EQUIPMENT ON THE ISOLATOR, HOUSING WILL BE ELEVATED SLIGHTLY ABOVE THE FINISHED SLAB. ANCHOR DOWN ISOLATOR'S USING BASE PLATE THRU HOLES "H". PULL DOWN ISOLATOR HOUSING USING PRESET ANCHOR BOLTS (BY OTHERS) UNTIL ISOLATOR BASE PLATE "E" IS FIRMLY AGAINST THE SLAB. THIS WILL PRELOAD THE SPRING WITHIN THE HOUSING AND PUSH THE INTERNAL STOP "A" AGAINST THE HOUSING TOP PLATE.
- 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 "G1" IS APPROXIMATELY EQUAL TO THE EXTERNAL GAP "G2". (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. MAKE 2 TURNS ON THE ADJUSTING NUT "D". THEN MOVE TO THE NEXT ISOLATOR AND REPEAT THIS PROCESS UNTIL ALL ISOLATORS ARE ADJUSTED.
- 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.
- AFTER EQUIPMENT IS OPERATING, CHECK GAPS AND RE-ADJUST AS NEEDED.



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-2D 75-1640 LBS.
 SEISMIC ISOLATORS
 2 INCH DEFLECTION**



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

SCALE:

NONE

SHEET:



DRAWING NO.:

REVISION