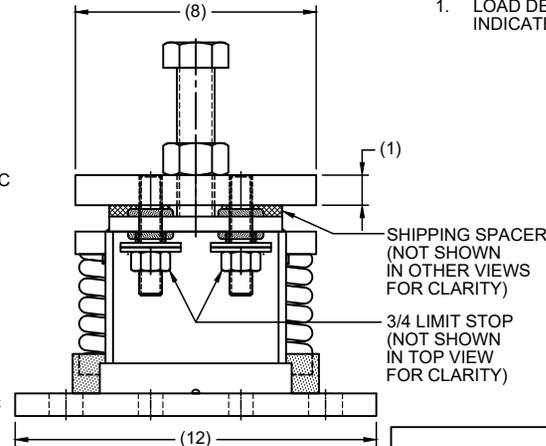
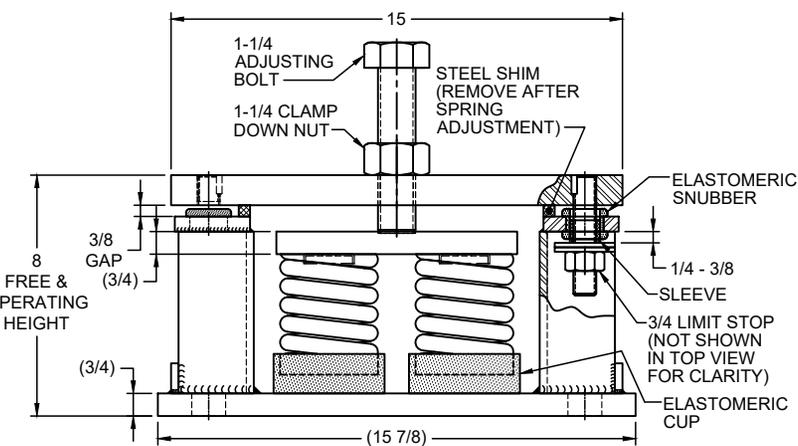
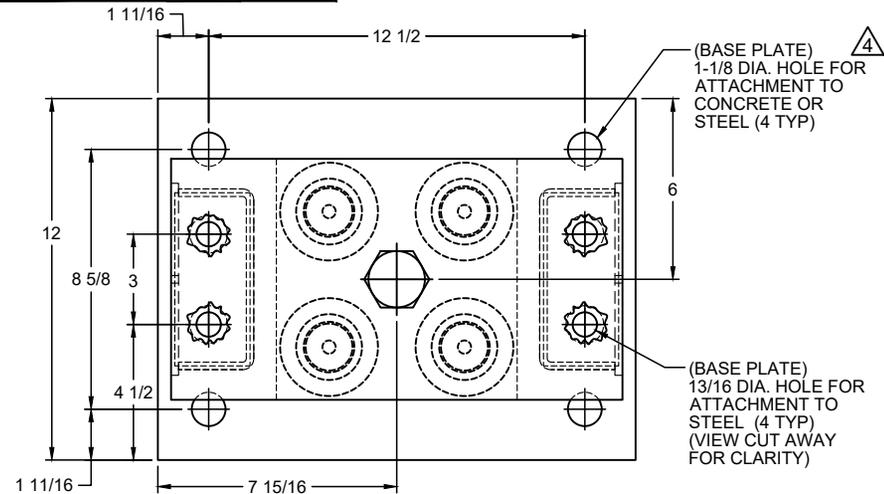


REV.	DESCRIPTION	DATE	BY

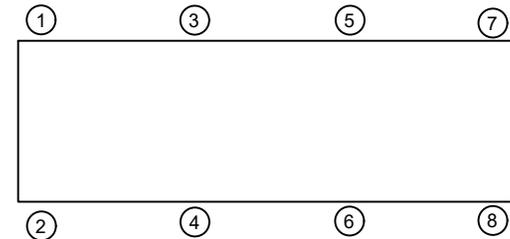


MODEL M4SSH-1E 4-SPRING SEISMIC ISOLATORS FOR NOMINAL 1" DEFLECTION

MODEL	RATED LOAD (LBS)	RATED DEFLECTION (IN)	SPRING RATE (LB/IN)	SPRING COLOR CODE
M4SSH-1E-4000	4000	1.00	4000	TAN
M4SSH-1E-4800N ¹	4800	1.04	4616	TAN/ DK BLUE
M4SSH-1E-5600	5600	1.00	5600	PINK
M4SSH-1E-6800N ¹	6800	1.10	6180	PINK/ DK BLUE
M4SSH-1E-8000	8000	1.11	7208	WHITE
M4SSH-1E-9320N ¹	9320	1.11	8400	WHITE/ RED
M4SSH-1E-10300N ¹	10300	1.11	9280	WHITE/DK PURPLE
M4SSH-1E-11960N ¹	11960	1.11	10776	WHITE/DK GREEN
M4SSH-1E-13000N ¹	13000	1.04	12500	WHITE/GRAY

NOTE:
1. LOAD DETERMINED UTILIZING NESTED SPRINGS. THE COLOR CODE INDICATED IS FOR OUTER SPRING/INNER SPRING.

- NOTES:
1. ALL DIMENSIONS ARE IN INCHES, INTERPRET PER ANSI Y14.
 2. STANDARD FINISH: HOUSING - 1 COAT VMC STANDARD FINISH (COLOR:BLACK), SPRING - POWDER COAT (COLOR: SEE TABLE), HARDWARE ZINC-ELECTROPLATE.
 3. EQUIPMENT MUST BE BOLTED OR WELDED TO THE TOP PLATE TO MEET ALLOWABLE SEISMIC RATINGS.
 4. ISOLATOR BASE PLATE MUST BE ANCHORED TO CONCRETE WITH (4) 1" DIA. ANCHORS.
 5. ALL SPRINGS ARE DESIGNED FOR 50% OVERLOAD CAPACITY.
 6. REFER TO SHEET 2 OF 2 FOR INSTALLATION INSTRUCTIONS.
 7. RATED DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.
 8. ESTIMATED ISOLATOR SHIPPING WEIGHT: 121 LBS.



ISOLATOR SELECTIONS	
LOC 1:	LOC 2:
LOC 3:	LOC 4:
LOC 5:	LOC 6:
LOC 7:	LOC 8:
CUSTOMER EQ'PT. 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 M4SSH-1E 4000-13000 LBS.
 VIBRATION ISOLATOR WITH
 INTEGRAL SEISMIC RESTRAINT
 AND EXTERNAL ADJUSTMENT
 1 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

1. READ INSTRUCTIONS IN THEIR ENTIRETY BEFORE BEGINNING INSTALLATION.

2. ISOLATORS ARE SHIPPED FULLY ASSEMBLED AND ARE TO BE POSITIONED IN ACCORDANCE WITH THE SUBMITTAL DRAWINGS OR AS OTHERWISE RECOMMENDED.

3. SET ISOLATORS ON FLOOR, HOUSEKEEPING PAD, OR SUB-BASE, ENSURING THAT ALL ISOLATOR CENTERLINES MATCH THE EQUIPMENT MOUNTING HOLES. THE VMC GROUP RECOMMENDS THAT THE ISOLATOR BASE PLATES ("B") BE INSTALLED ON A LEVEL SURFACE. SHIM OR GROUT AS REQUIRED, LEVELING ALL ISOLATOR BASE PLATES AT THE SAME ELEVATION (1/4-INCH MAXIMUM DIFFERENCE CAN BE TOLERATED).

4. MARK ANCHOR HOLE LOCATIONS AS INDICATED ON BASE PLATE FOOTPRINT AND SET ISOLATOR ASIDE PRIOR TO DRILLING.

5. ANCHOR ALL ISOLATORS TO THE FLOOR, HOUSEKEEPING PAD, OR SUB-BASE USING MARKED HOLE LOCATIONS ("C") FOR CONCRETE OR ("D") FOR STEEL AS REQUIRED. USE ANCHORS MEETING THE DESIGN REQUIREMENTS SPECIFIED ON SHEET 1 OF 2. WELDING TO STEEL IS PERMITTED PROVIDING THE WELD ACHIEVES THE STRENGTH THAT IS REQUIRED TO SECURE MOUNT PER APPLIED LOADS.

6. ISOLATORS ARE SHIPPED TO THE JOBSITE WITH REMOVABLE SPACERS ("E") BETWEEN THE TOP PLATE AND THE BOTTOM HOUSING. THESE SPACERS MUST BE IN PLACE WHEN THE EQUIPMENT IS POSITIONED ON TOP OF THE ISOLATORS.

7. WITH ALL SHIMS ("E") IN PLACE, REMOVE ADJUSTING BOLT ("G") AND SET ASIDE. KEEP THE NUT ("H") SCREWED ONTO THE ADJUSTING BOLT. PLACE THE MACHINE OR EQUIPMENT ONTO TOP PLATE ("A"), ALIGNING THE EQUIPMENT MOUNTING HOLE WITH THE TAPPED HOLE IN THE TOP PLATE. REATTACH THE ADJUSTING BOLT ("G") BY BOLTING THROUGH THE EQUIPMENT MOUNTING HOLE INTO THE TAPPED HOLE OF THE ISOLATOR. TURN THE ADJUSTING BOLT UNTIL IT STARTS TO COMPRESS THE SPRING. LEAVE NUT ("H") AT THE TOP OF THE ADJUSTING BOLT ("G"), LEAVING ROOM FOR ADJUSTING THE ISOLATOR PER STEP 9.

8. THE ADJUSTMENT PROCESS CAN ONLY BEGIN AFTER THE EQUIPMENT OR MACHINE IS AT ITS FULL OPERATING WEIGHT.

9. BACK OFF EACH OF THE LIMIT STOP LOCKNUTS ("F") PER ISOLATOR 1/4 TO 3/8 INCH FROM THEIR AS-SHIPPED POSITION.

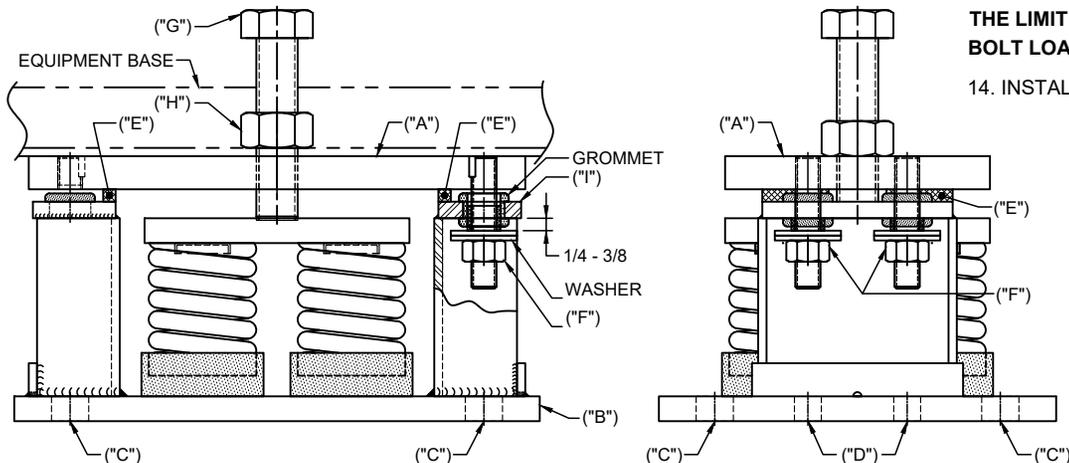
10. ADJUST EACH ISOLATOR IN SEQUENCE BY TURNING ADJUSTING BOLT(S) ("G") ONE FULL CLOCKWISE TURN AT A TIME. REPEAT THIS PROCEDURE ON ALL ISOLATORS, ONE AT A TIME. CHECK THE LIMIT STOP LOCKNUTS ("F") PERIODICALLY TO ENSURE THAT CLEARANCE BETWEEN THE WASHER AND RUBBER GROMMET IS MAINTAINED. STOP ADJUSTMENT OF AN ISOLATOR ONLY WHEN THE TOP PLATE ("A") HAS RISEN JUST ABOVE THE SHIM ("E").

11. REMOVE ALL SPACER SHIMS ("E").

12. FINE ADJUST ISOLATORS TO LEVEL EQUIPMENT. ENSURE 3/8" GAP BETWEEN BOTTOM OF ("A") AND TOP OF ("I").

13. ADJUST ALL LIMIT STOP LOCKNUTS ("F") BACK UP TO OBTAIN 3/8-INCH GAP AS SHOWN. THE LIMIT STOP LOCKNUTS MUST BE KEPT AT THIS 3/8-INCH GAP TO ENSURE UNIFORM BOLT LOADING DURING UPLIFT (AS IN THE CASE WHEN A COOLING TOWER IS DRAINED).

14. INSTALLATION IS COMPLETE.



4. BASE PLATE HOLE LOCATION DIAGRAM

NOTE: ISOLATOR BASE PLATE IS TO BE USED FOR HOLE LOCATION MARKING ONLY AND NOT AS A DRILLING GUIDE.

OTHER MATERIALS, COMPOUNDS, OR FINISHES WITH EQUAL OR SUPERIOR PROPERTIES MAY BE SUBSTITUTED AS THEY BECOME AVAILABLE.



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JOB NAME: _____
 CUSTOMER: _____
 CUSTOMER P.O.: _____
 SALES ORDER: _____

**MODEL M4SSH-1E 4000-13000 LBS.
 VIBRATION ISOLATOR WITH
 INTEGRAL SEISMIC RESTRAINT
 AND EXTERNAL ADJUSTMENT
 1 INCH DEFLECTION**



**VMC
 GROUP**

THE POWER OF TOGETHER

Bloomington, NJ 07403
 Houston, TX 77041

SCALE:

NONE

SHEET:

2 OF 2

DRAWING NO.:

REVISION

