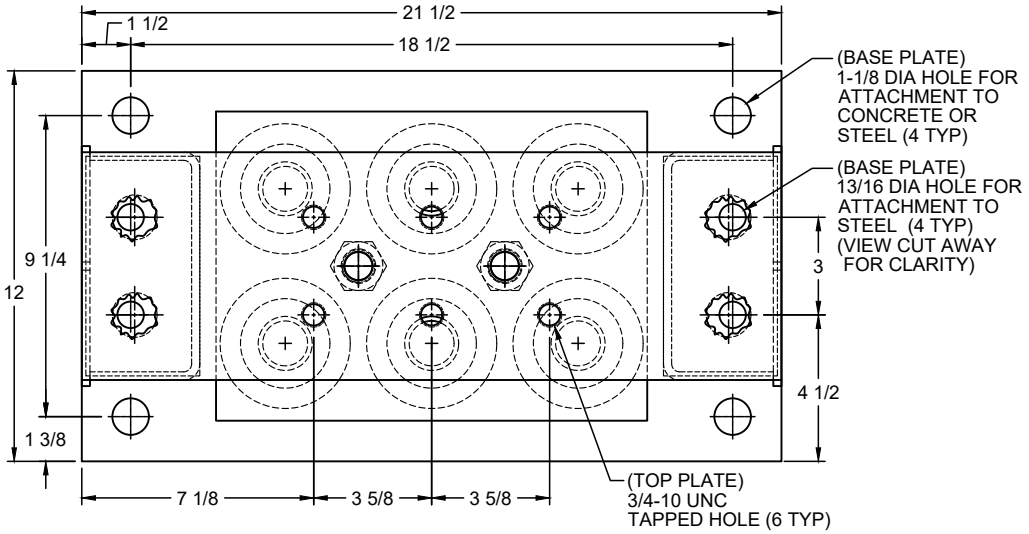
172R–105203	REV.:1	06/01/26

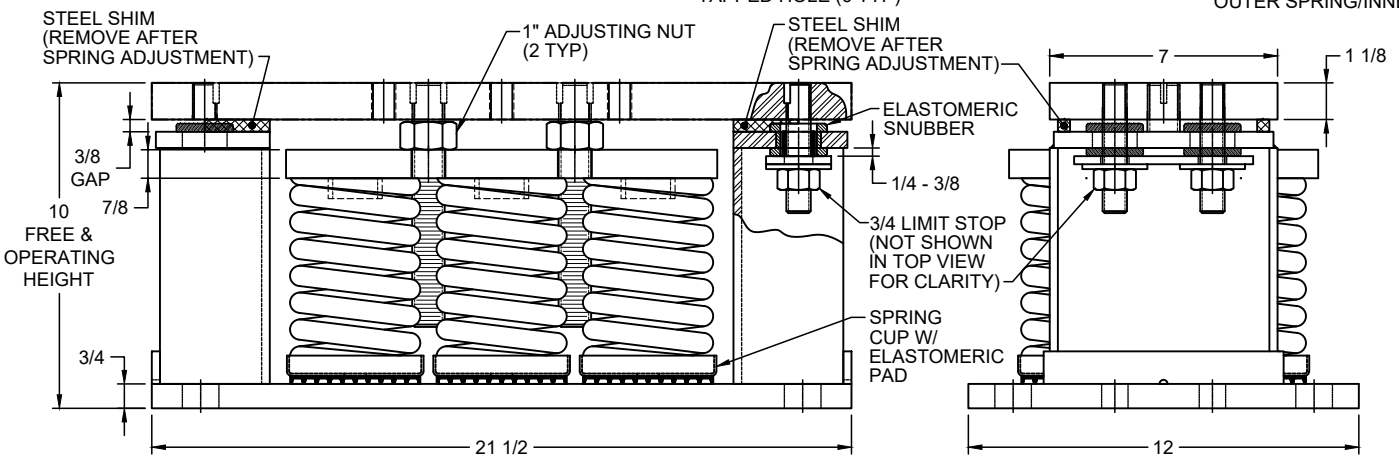
REV.	DESCRIPTION	DATE	BY



MODEL M6SH-2E SEISMICALLY RESTRAINED VIBRATION ISOLATOR FOR 2" DEFLECTION

SEISMIC MOUNT	RATED LOAD (LBS)	RATED DEFLECTION (IN)	SPRING RATE (LBS/IN)	COLOR CODE
M6SH-2E-6000	6000	2.00	3000	TAN
M6SH-2E-8400	8400	1.87	4500	RED
M6SH-2E-9600N[1]	9600	2.13	4507	TAN/ RED
M6SH-2E-10800	10800	1.71	6300	DK GRAY
M6SH-2E-12300	12300	1.64	7500	DK BLUE
M6SH-2E-13500N[1]	13500	1.62	8333	DK BLUE/BLACK
M6SH-2E-14760N[1]	14760	1.64	9000	DK BLUE/RED
M6SH-2E-16200N[1]	16200	1.64	9878	DK BLUE/DK GREEN

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



DOCUMENT SPECIFICATION ACKNOWLEDGMENT

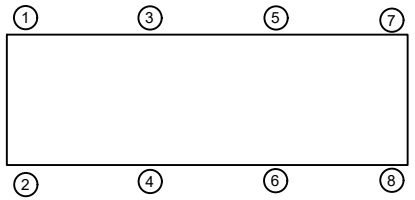
SIGNATURE CERTIFIES DRAWING HAS BEEN REVIEWED AND APPROVED AS ILLUSTRATED.

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:
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: 205 LBS.

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 M6SH-2E 6000-16200 LBS. VIBRATION ISOLATOR WITH INTEGRAL SEISMIC RESTRAINT AND INTERNAL ADJUSTMENT 2 INCH DEFLECTION

VMC GROUP
CONTROLLED ENVIRONMENT SOLUTIONS℠

Bloomingdale, NJ Houston, TX Corona, CA Wind Gap, PA

SCALE :	SHEET:	DRAWING NO.:	REVISION
NONE	1 OF 2		

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 THRU HOLES ("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 SPACER SHIIMS ("E") BETWEEN THE TOP PLATE AND THE BOTTOM HOUSING. THESE SPACER SHIMS **MUST** BE IN PLACE WHEN THE EQUIPMENT IS POSITIONED ON TOP OF THE ISOLATORS.

7. WITH ALL SPACER SHIMS ("E") IN PLACE, PLACE THE MACHINE OR EQUIPMENT ONTO TOP PLATE ("A") OF THE ISOLATORS. BOLT EQUIPMENT SECURELY TO THE ISOLATORS USING MINIMUM ASTM A325 SAE GR. 5) HIGH-STRENGTH BOLTS, MEETING THE REQUIREMENTS SPECIFIED ON SHEET 1 OF 2. WELDING IS PERMITTED PROVIDING THE WELD ACHIEVES THE REQUIRED STRENGTH.

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.

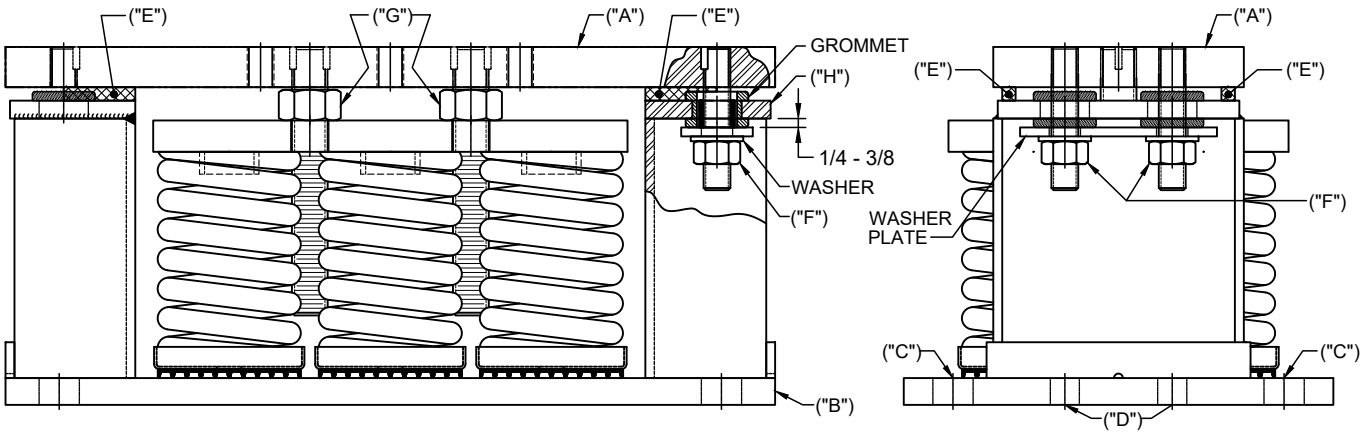
10. ADJUST EACH ISOLATOR IN SEQUENCE BY TURNING ADJUSTING NUT(S) ("G") ONE FULL CLOCKWISE TURN AT A TIME. REPEAT THIS PROCEDURE ON ALL ISOLATORS, ONE AT A TIME. CHECK THE LIMIT STOP LOCKNUTS ("F") PERIODICALLY TO ENSURE THAT CLEARANCE BETWEEN THE WASHER PLATE AND RUBBER GROMMET IS MAINTAINED. STOP ADJUSTMENT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

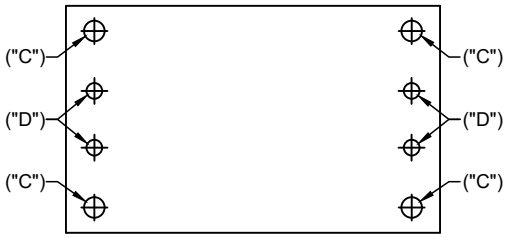
11. REMOVE ALL SPACER SHIMS ("E").

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

13. ADJUST ALL LIMIT STOP LOCKNUTS ("F") PER ISOLATOR 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.

CERTIFIED FOR:

JOB NAME: _____

CUSTOMER : _____

CUSTOMER P.O.: _____

SALES ORDER: _____

MODEL M6SH-2E 6000-16200 LBS. VIBRATION ISOLATOR WITH INTEGRAL SEISMIC RESTRAINT AND INTERNAL ADJUSTMENT 2 INCH DEFLECTION

VMC GROUP
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Bloomingdale, NJ Houston, TX Corona, CA Wind Gap, PA

SCALE :	SHEET:	DRAWING NO.:	REVISION
NONE	2 OF 2		