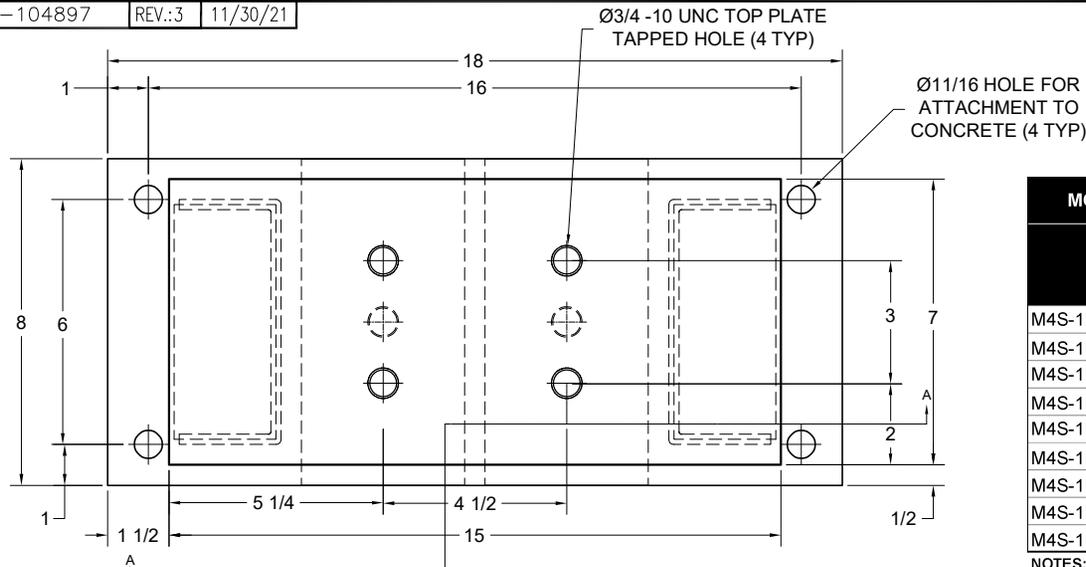
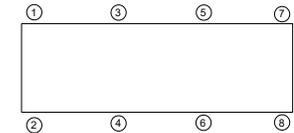
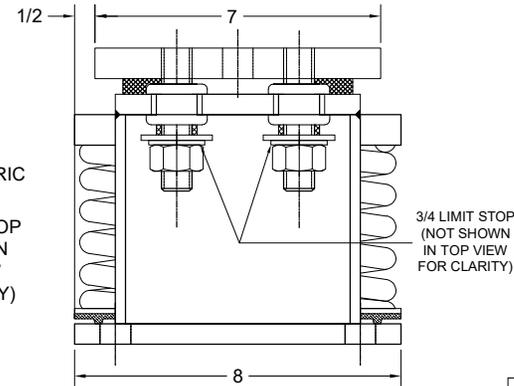
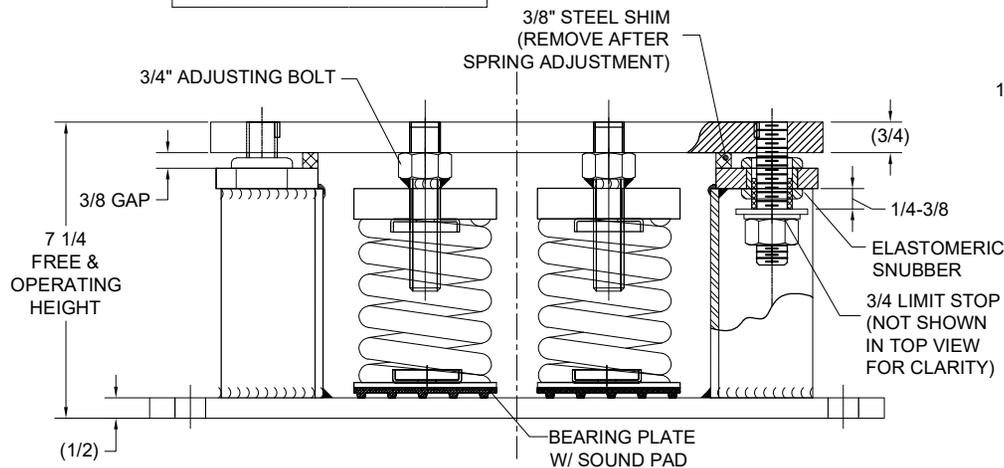


REV.	DESCRIPTION	DATE	BY



MODEL M4S-1E 4-SPRING SEISMIC ISOLATORS FOR NOMINAL 1" DEFLECTION				
MODEL	RATED LOAD (LBS)	RATED DEFLECTION (IN)	SPRING RATE (LB/IN)	SPRING COLOR CODE
M4S-1E-4000	4000	1.00	4000	TAN
M4S-1E-4800N <sup>1</sup>	4800	1.04	4616	TAN/ DK BLUE
M4S-1E-5600	5600	1.00	5600	PINK
M4S-1E-6800N <sup>1</sup>	6800	1.10	6180	PINK/ DK BLUE
M4S-1E-8000	8000	1.11	7208	WHITE
M4S-1E-9320N <sup>1</sup>	9320	1.11	8400	WHITE/RED
M4S-1E-10300N <sup>1</sup>	10,300	1.11	9252	WHITE/DK PURPLE
M4S-1E-11960N <sup>1</sup>	11,960	1.11	10724	WHITE/DK GREEN
M4S-1E-13000N <sup>1</sup>	13,000	1.04	12508	WHITE/GRAY

NOTES:  
 1. TWO NESTED SPRINGS YIELD THIS LOAD. THE COLOR CODE IS FOR OUTER SPRING/ INNER SPRING.



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.

NOTES:

- STANDARD ISOLATOR FINISH: WELDED HOUSINGS- ONE COAT BLACK PAINT, SPRINGS AND POWDER COATED, HARDWARE- ELECTRO-ZINC PLATED.
- HIGHER DEFLECTIONS ARE WITHIN 25% OF NOMINAL. HIGHER DEFLECTIONS ARE ALLOWED IF THEY MEET SPECIFICATIONS.

**CERTIFIED FOR:**

JOB NAME: \_\_\_\_\_  
 CUSTOMER : \_\_\_\_\_  
 CUSTOMER P.O.: \_\_\_\_\_  
 SALES ORDER: \_\_\_\_\_

**MODEL M4S-1E 4000-13000 LBS.  
 VIBRATION ISOLATOR  
 SEISMIC RESTRAINT  
 1 INCH DEFLECTION**



**VMC  
 GROUP**

**THE POWER OF TOGETHER™**

Bloomington, NJ 07403  
 Houston, TX 77041

SCALE :

**NONE**

SHEET:



DRAWING NO.:

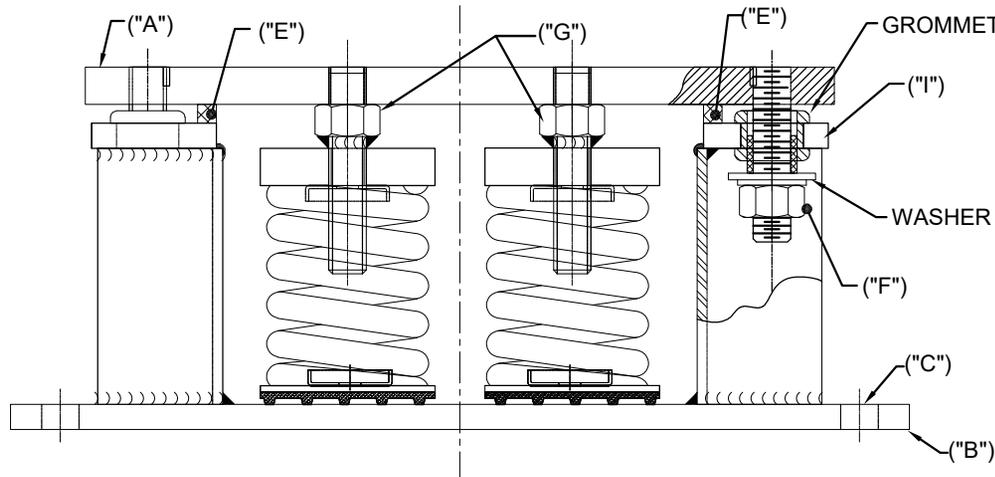
REVISION

REV.	DESCRIPTION	DATE	BY

**1. READ INSTRUCTIONS IN THEIR ENTIRETY BEFORE BEGINNING INSTALLATION.**

- ISOLATORS ARE SHIPPED FULLY ASSEMBLED AND ARE TO BE POSITIONED IN ACCORDANCE WITH THE SUBMITTAL DRAWINGS OR AS OTHERWISE RECOMMENDED.
- 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).
- ANCHOR ALL ISOLATORS TO THE FLOOR, HOUSEKEEPING PAD, OR SUB-BASE USING THRU HOLES ("C") FOR CONCRETE. USE ANCHORS MEETING THE DESIGN REQUIREMENTS SPECIFIED ON SHEET 1 OF 2. WELDING TO STEEL IS PERMITTED PROVIDING THE WELD ACHIEVES THE REQUIRED STRENGTH.
- ISOLATORS ARE SHIPPED TO THE JOBSITE WITH (2) REMOVABLE SPACER SHIMS ("E") BETWEEN THE TOP PLATE AND THE HOUSING. THESE SHIMS **MUST** BE IN PLACE WHEN THE EQUIPMENT IS POSITIONED OVER THE ISOLATORS.
- WITH ALL SHIMS ("E") IN PLACE, PLACE THE MACHINE OR EQUIPMENT ONTO TOP PLATE ("A") OF THE ISOLATORS. BOLT EQUIPMENT SECURELY TO THE ISOLATORS USING MINIMUM 4 ASTM A325 SAE GR. 5) HIGH-STRENGTH BOLTS, MEETING THE REQUIREMENTS (IF ANY) SPECIFIED ON SHEET 1 OF 2. WELDING IS PERMITTED PROVIDING THE WELD ACHIEVES THE REQUIRED STRENGTH.

- 7. THE ADJUSTMENT PROCESS CAN ONLY BEGIN AFTER THE EQUIPMENT OR MACHINE IS AT ITS FULL OPERATING WEIGHT.**
- BACK OFF EACH OF THE (2) OR (4) LIMIT STOP LOCKNUTS ("F") PER ISOLATOR 1/4- TO 3/8-INCH.
- 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 AND RUBBER GROMMET IS MAINTAINED. STOP ADJUSTMENT OF AN ISOLATOR ONLY WHEN THE TOP PLATE ("A") HAS RISEN JUST ABOVE THE SHIM ("E").
- REMOVE ALL SPACER SHIMS ("E").
- FINE ADJUST ISOLATORS TO LEVEL EQUIPMENT. ENSURE 3/8" GAP BETWEEN TOP OF "A" AND TOP OF "I".
- ADJUST ALL LIMIT STOP LOCKNUTS ("F") PER ISOLATOR TO OBTAIN 3/8-INCH GAP. THE LIMIT STOP NUTS MUST BE KEPT AT THIS 1/4-3/8-INCH GAP TO ENSURE UNIFORM BOLT LOADING DURING UPLIFT (AS IN THE CASE WHEN A COOLING TOWER IS DRAINED).
- INSTALLATION IS COMPLETE.



**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 M4S-1E 4000-13000 LBS.  
VIBRATION ISOLATOR  
SEISMIC RESTRAINT  
1 INCH DEFLECTION**



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Bloomington, NJ 07403  
Houston, TX 77041

SCALE :	NONE	
SHEET:		
DRAWING NO.:		REVISION