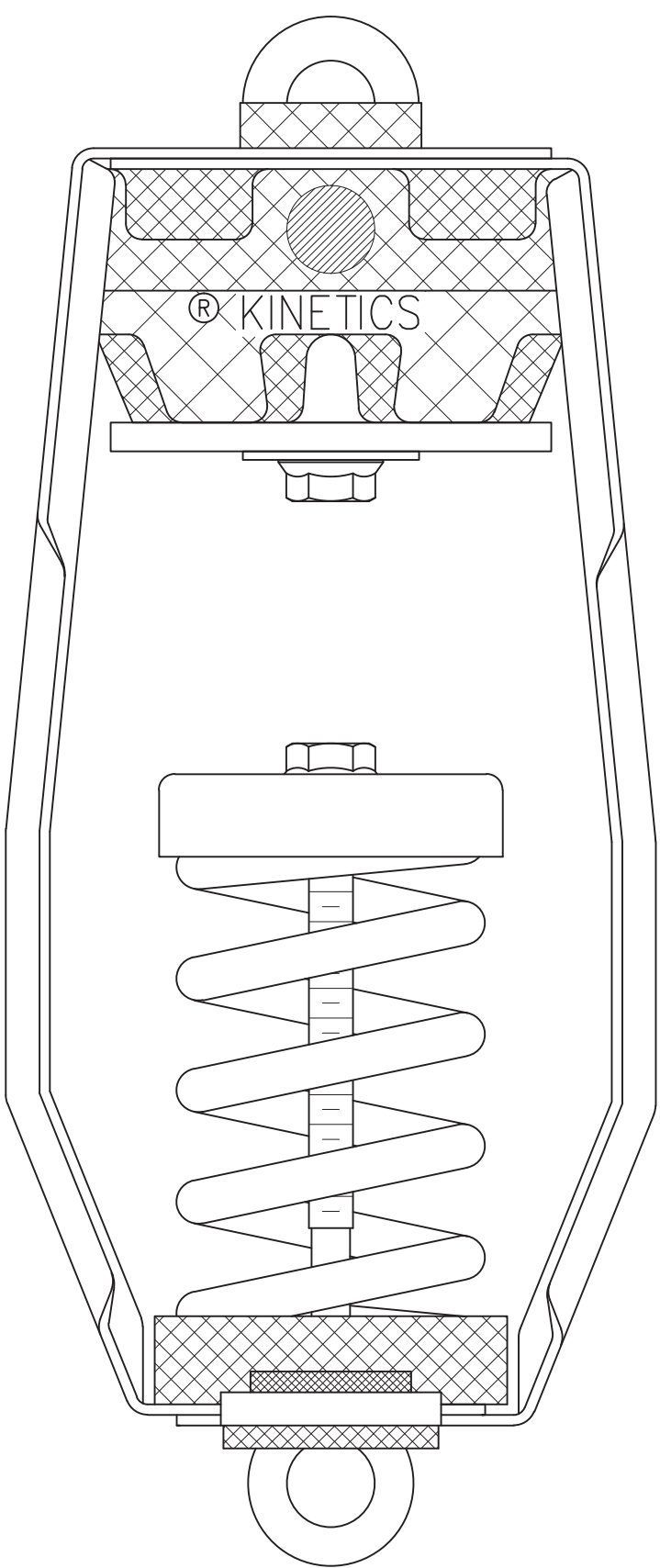
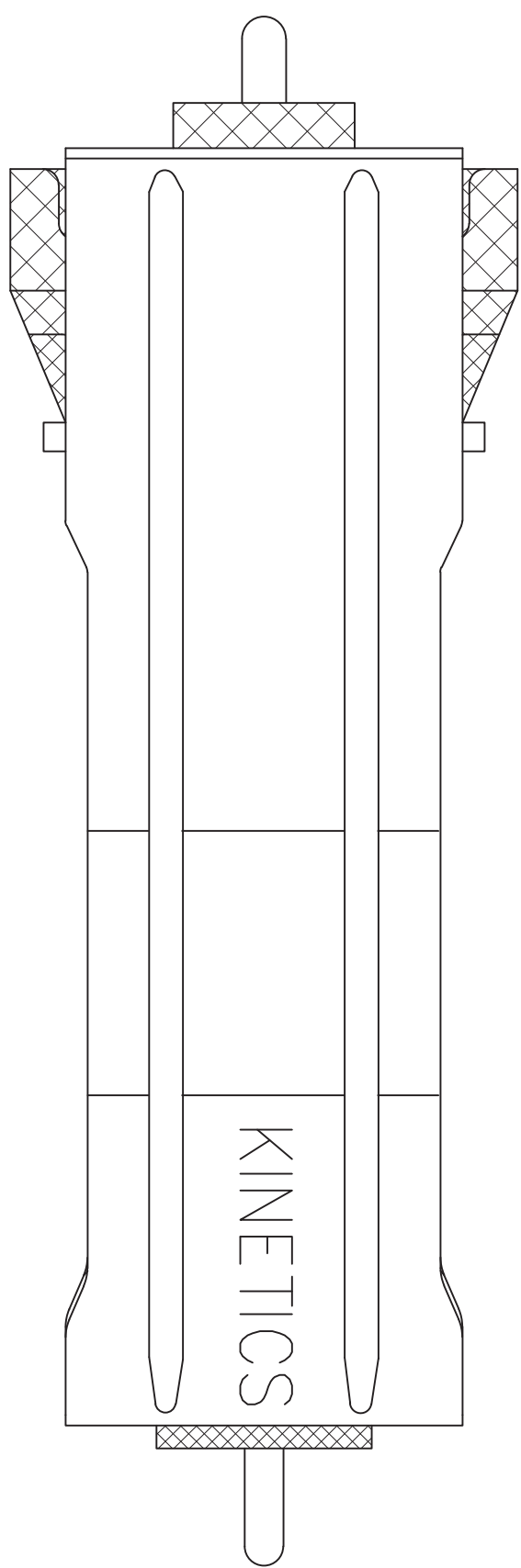


KINETICS MODEL MUTA
1" DEFLECTION SPRING/ NEOPRENE
ISOLATION CEILING HANGER



SUBMITTAL DRAWING SET ISSUE DATE:
MARCH 20, 2017

DRAWING SCHEDULE

FROM PAGE #	REFER TO KNC PAGE #
—	COVER
A0701.A	K100.0—100.2
A0842	K900.0

NOTE:
THESE DRAWINGS WERE
RECEIVED AS:

- ☒ CAD
- ☐ PDF LINE ART
- ☐ RASTER
- ☐ SKETCH

IMPORTANT!
ANY DRAWINGS NOT RECEIVED
IN CAD FORMAT MAY NOT CONFORM
TO THE ACCURACY OF THE ORIGINAL
DRAWING.

ABBREVIATION SCHEDULE

DRAFTING ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AW	ALIGN WITH
B/O	BOTTOM OF
CL	CENTERLINE
CLG	CEILING
C/O	CENTER OF
DEFL	DEFLECTION
EL	ELEVATION
EQ	EQUAL
HGR	HANGER
ISO	ISOLATED
KIP	KINETICS ISOLATION PAD
KNC	KINETICS NOISE CONTROL
LGMF	LIGHT GAUGE METAL FRAMING
LW	LIGHT WEIGHT
LOP	LAYOUT POINT
NTS	NOT TO SCALE
NW	NORMAL WEIGHT
OC	ON CENTER
OWSJ	OPEN WEB STEEL JOIST
REV	REVISION
T/O	TOP OF
UON	UNLESS OTHERWISE NOTED
W/	WITH

LOADING ABBREVIATIONS

ACT	ACOUSTIC CEILING TILE
AP	ACOUSTIC PANEL
CF	CEILING FAN
CMT	CEMENT BOARD
CLD	CLOUD
CRC	COLD ROLLED CHANNEL
D	DUCT
DF	DIFFUSER
DL	DEAD LOAD
E	EQUIPMENT
GYP	GYPSUM BOARD
LL	LIVE LOAD
L	LIGHTS
LSD	LINEAR SLOT DIFFUSER
LWC	LIGHT WEIGHT CONCRETE
NWC	NORMAL WEIGHT CONCRETE
P	PIPE
SOF	SOFFIT
SPK	SPEAKER

DRAFTING SYMBOLS

— - — CENTERLINE

○ ISOLATOR LOCATION

☁ REVISION CLOUD

△# REVISION TAG

△# SHT SECTION CUTTING LINE

↔ CRC ↔ CRC OR MAIN DIRECTION

✱ LAYOUT STARTING POINT

NOTE:
THIS LIST IS FOR KNC SYMBOLS ONLY. SYMBOLS
USED BY OTHERS IN DRAWINGS RECEIVED FROM
OTHERS ARE NOT REPRESENTED HERE.

ISOLATED CEILING SYSTEM GENERAL NOTES

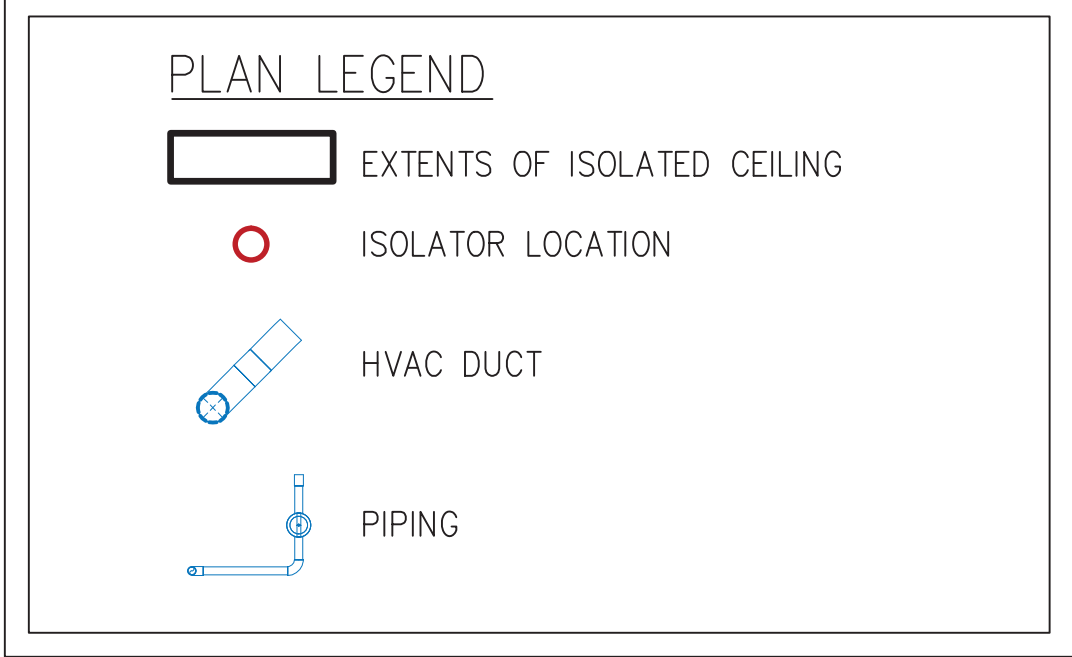
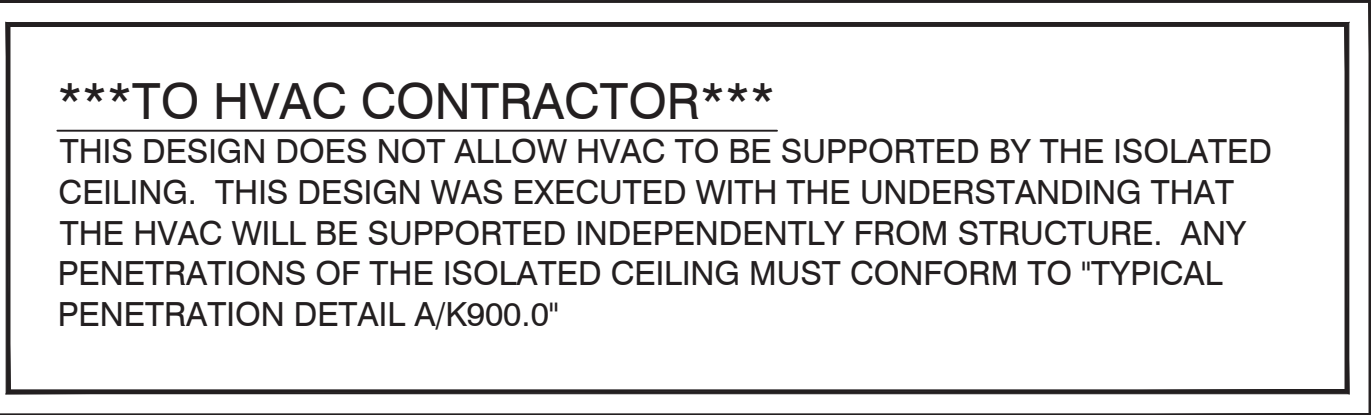
- 1) ALL DATA SHOWN IS TAKEN FROM PROJECT DRAWINGS AND DOCUMENTS FURNISHED TO KINETICS NOISE CONTROL (KNC). ALL DETAILS MARKED "RECOMMENDED BY KNC", ARE NOT INCLUDED IN THE CONTRACT AND ARE SUGGESTED FOR ARCHITECT'S AND/OR ENGINEER'S CONSIDERATION.
- 2) ALL DIMENSIONS SHOWN HAVE BEEN DERIVED FROM DRAWINGS SUPPLIED TO KNC. AREAS WERE SCALED IF ACTUAL DIMENSIONS WERE NOT AVAILABLE. DIMENSIONS MUST BE VERIFIED PRIOR TO MANUFACTURING AND INSTALLATION OF SYSTEM.
- 3) ALL LOCATIONS ARE APPROXIMATE AND CAN BE VARIED BY ±6" TO MATCH FLOOR JOISTS, AVOID POST TENSION CABLES OR CLEAR OBSTRUCTIONS.
- 4) REFER TO CONTRACT DOCUMENTS AND SPECIFICATIONS FOR RESPONSIBILITY OF MATERIALS NOT SUPPLIED BY KNC.
- 5) HVAC DUCTS THAT BRIDGE INTO NON-ISOLATED AREAS MUST BE DECOUPLED TO PREVENT AN ACOUSTICAL SHORT.
- 6) ALL PERIMETER ISOLATORS SHOULD BE LOCATED WITHIN 12" OF WALLS. DO NOT EXCEED 16".
- 7) SUBMITTAL DESIGN IS FOR THE SIZING OF HANGERS ONLY; KINETICS DOES NOT ANALYZE SUITABILITY AND/OR LOAD CARRYING CAPACITY OF CEILING GRID COMPONENTS.
- 8) THIS SUBMITTAL IS NOT DESIGNED TO SUPPORT ANY FIRE PROTECTION COMPONENTS.
- 9) UNLESS NOTED OTHERWISE ON LAYOUT PLAN, COLD ROLLED CHANNEL CAN RUN EITHER DIRECTION.
EXCEPTION: CRC RUNS PARALLEL TO JOIST ON ICW LAYOUTS.
- 10) HANGER LAYOUT ASSUMES FRAMING PER BEST PRACTICES, IF NOT ADDITIONAL HANGERS MAY BE REQUIRED. NOTE ANY SUPPORT CONNECTED TO DECK MUST BE ISOLATED.
- 11) SPECIFICATIONS FOR THIS PROJECT WERE NOT PROVIDED TO KINETICS NOISE CONTROL.

MATERIAL PROVIDED BY
KINETICS NOISE CONTROL

- ☁ MUTA-12 ISOLATORS (SILVER) = 2
- MUTA-24 ISOLATORS (BLUE) = 5
- ⬡ MUTA-37 ISOLATORS (WHITE) = 6
- MUTA-50 ISOLATORS (GREEN) = 24
- ⬢ MUTA-75 ISOLATORS (BLACK) = 47
- ✱ MUTA-100 ISOLATORS (GRAY) = 20
- SRP

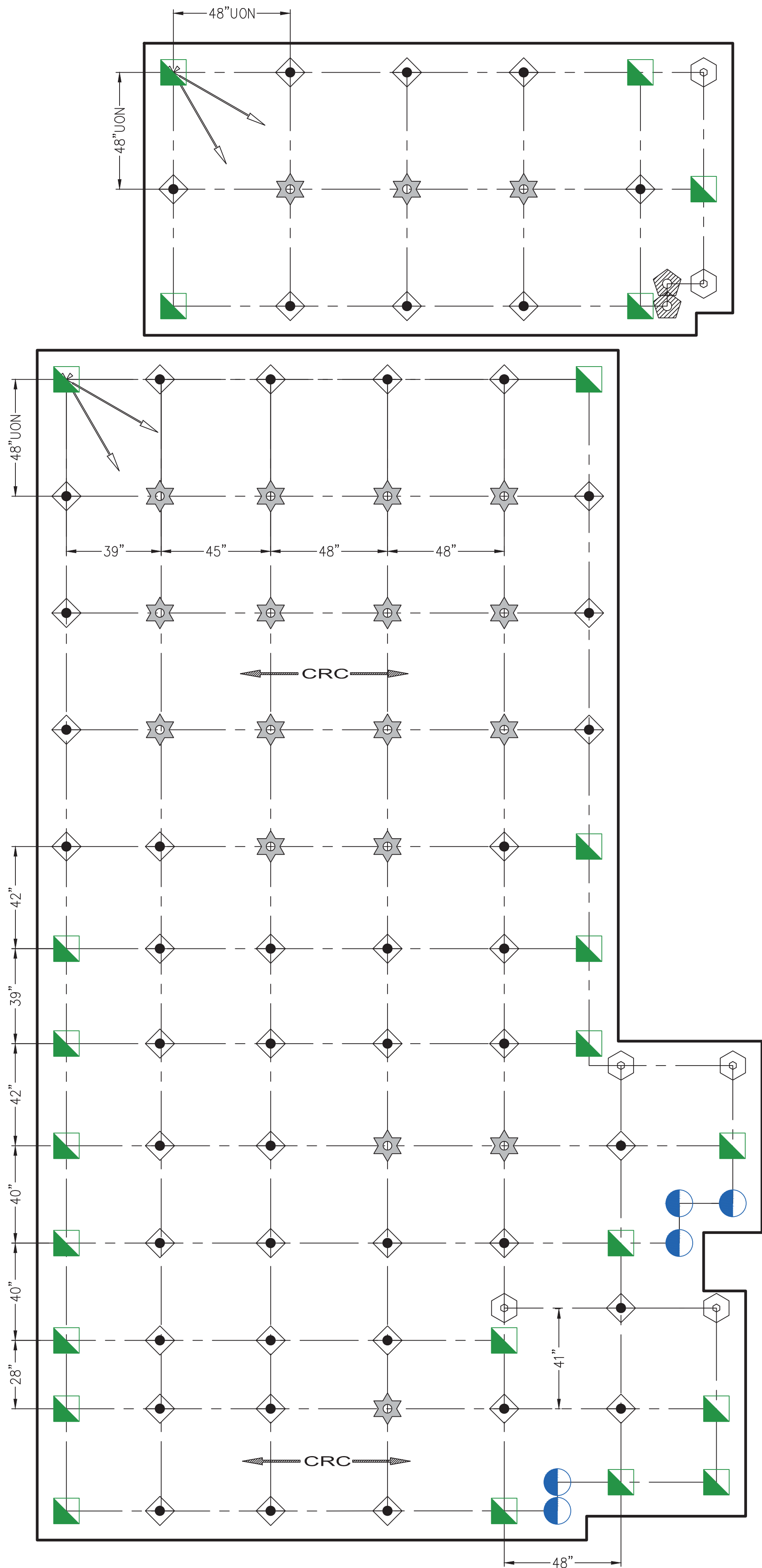
SPRING RATE CHART – 1" DEFLECTION ISOLATOR

HANGER		SPRING COILS			
SYMB	MODEL	COLOR	FREE HT.	O.D.	RATE
☁	MUTA-12	SILVER	3.19	1.75	12.0
●	MUTA-24	BLUE	3.19	1.75	23.0
⬡	MUTA-37	WHITE	3.19	1.75	37.0
■	MUTA-50	GREEN	3.19	1.75	51.5
⬢	MUTA-75	BLACK	3.19	1.75	75.0
✱	MUTA-100	GRAY	3.19	1.75	101.7
✱	MUTA-150	RED	3.19	1.75	150.0
●	MUTA-210	BROWN	3.19	1.75	205.6
●	MUTA-300	PURPLE	3.19	1.75	300.0
●	MUTA-370	ORANGE	3.19	1.75	385.4



*****IMPORTANT*****
GC TO COORDINATE THE LOCATION OF THESE
HANGERS THAT CONFLICT WITH HVAC WITHIN 12'
OF THE PERIMETER.

1 CEILING PLAN
SCALE: 3/8" = 1'-0"



E

D

LAYOUT NOTES
1) ALL PERIMETER OFFSETS ARE 12" UON
2) ROOM'S TYPICAL DIMENSIONS ARE SHOWN AT THE LAYOUT POINTS.

ISOLATOR LEGEND

- MUTA-12 ISOLATORS (SILVER)
- MUTA-24 ISOLATORS (BLUE)
- MUTA-37 ISOLATORS (WHITE)
- MUTA-50 ISOLATORS (GREEN)
- MUTA-75 ISOLATORS (BLACK)
- MUTA-100 ISOLATORS (GRAY)
- SRP

1 ISOLATOR LAYOUT PLAN
SCALE: 3/8" = 1'-0"

PROJECT NAME
WEBSTER UNIVERSITY

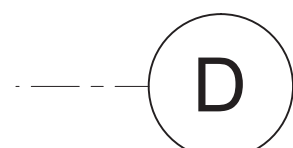
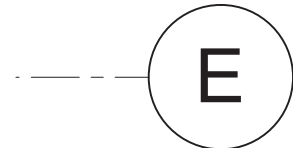
GAUS SCOTT CO.
PATTY GAUS
PH: 314-997-0200
SALES REPRESENTATIVE

CONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT, ENGINEER OR CONSULTANT OF RECORD OF ANY DISCREPANCIES PRIOR TO BEGINNING INSTALLATION.

NO.	DATE	REVISION	DRAWINGS ISSUED	DESCRIPTION

SCALE: PRINTED @ 24"x36"
AS NOTED
U.N.O., DIMENSION TOLERANCE TO BE ±1/4"

DRAWN BY JPA
DATE MARCH 20, 2017
DRAWING NUMBER 1702-0101
PAGE TITLE LEVEL 01 REFLECTED CEILING PLAN
PAGE K100.1



The diagram illustrates the tributary area legend for a structural frame. It includes the following labels and their corresponding locations on the frame:

- MISCELLANEOUS LOADS WHERE OCCURS**: Points to the top edge of the frame.
- TRIBUTARY AREA SQUARE FOOTAGE**: Points to the top edge of the frame.
- DEAD LOAD (INCLUDES ANY APPLICABLE LIVE LOAD)**: Points to the top edge of the frame.
- ISOLATOR LOCATION**: Points to the bottom edge of the frame.
- TOTAL WEIGHT ON ISOLATOR**: Points to the bottom edge of the frame.
- TRIBUTARY AREA BOUNDARY**: Points to the bottom edge of the frame.

Specific load values and locations are indicated on the right side of the frame:

- 8.4sf**: Located at the top right corner.
- DL49.5**: Located at the top right corner.
- sof23.4**: Located at the top right corner.
- 1t8**: Located at the top right corner.
- 80.9lbs**: Located at the bottom right corner.

The logo for KINETICS Noise Control. It features a stylized black waveform on the left, followed by the word "KINETICS" in a bold, blue, sans-serif font, and the words "Noise Control" in a smaller, blue, sans-serif font below it. A thin black horizontal line separates "KINETICS" from "Noise Control".

DUBLIN, OHIO 43017

6300 IRELAN PLACE

PROJECT NAME

WEBSTER UNIVERSITY

GAUS SCOTT CO.
PATTY GAUS
PH: 314-997-0200

SALES REPRESENTATIVE

CONTRACTORS TO VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT, ENGINEER OR CONSULTANT OF RECORD OF ANY DISCREPANCIES PRIOR TO BEGINNING INSTALLATION.

[illegible]

SCALE: PRINTED @ 24"x36"

AS NOTED

U.N.O., DIMENSION TOLERANCE TO BE $\pm 1/4"$

DRAWN BY

JPA

DATE _____

MARCH 20, 2017

DRAWING NUMBER

1702-0101

PAGE TITLE

LEVEL 01
REFLECTED
CEILING PLAN

PAGE

K100.2



A TYPICAL PENETRATION DETAIL
SCALE: 3" = 1'-0"



PARIC
EXPERIENCE. EXCELLENCE.

77 Westport Plaza
Suite 250
St. Louis, MO 63146

TRANSMITTAL

No. 15051-0539

Paric Corporation

PROJECT: 15051-Webster University Interdisciplinary Science Building

DATE: 03/27/2017

TO: Cannon Design
1100 Clark Ave
St Louis MO 63102

Fax;
314-241-2203

RE: Isolated Ceiling Hanger Shop Drawings

ATTN: Kelvin Patel

JOB: 15051

WE ARE SENDING:	SUBMITTED FOR:	ACTION TAKEN:
☒ Shop Drawings	☒ Approval	☐ Approved as Submitted
☐ Letter	☐ Your Use	☐ Approved as Noted
☐ Prints	☐ As Requested	☐ Returned After Loan
☐ Change Order	☐ Review and Comment	☐ Resubmit
☐ Plans		☐ Submit
☐ Samples	SENT VIA:	☐ Returned
☐ Specifications	☐ Attached	☐ Returned for Corrections
☐ Other:	☐ Separate Cover Via:	☐ Due Date:

Item	Package	Code	Rev.	Copies	Date	Description	Status
Submittal		092900-014	1		03/27/2017	Isolated Ceiling Hanger Shop Drawings	Submitted

NOTES:

CC:

Signed: _____
Devin Gates