

REAL ESTATE SERVICES DIVISION
PROJECT MANAGEMENT BRANCH

Date: October 15, 2008

DOCUMENT 00 91 13

ADDENDUM No. 3 TO THE CONTRACT DOCUMENTS

Bid Opening Date – November 20, 2008

**INLAND EMPIRE TRANSPORTATION MANAGEMENT CENTER
(IETMC)**PROJECT NO. 118480ACKNOWLEDGE RECEIPT OF THIS ADDENDUM ON BID FORM AND
REVISE THE CONTRACT DOCUMENTS AS FOLLOWS:**PROJECT MANUAL****INTRODUCTORY INFORMATION**1. DOCUMENT 00 01 10 – TABLE OF CONTENTS

- A. REPLACE Addendum 2 issued Document 00 01 10, Table of Contents, WITH the attached Document 00 01 10, Table of Contents.

2. DOCUMENT 00 11 00 – INVITATION TO BID

- A. BID OPENING DATE

CHANGE bid opening date FROM October 24, 2008 TO November 20, 2008.

BIDDING REQUIREMENTS1. DOCUMENT 00 31 33 – SHOP DRAWINGS DATA

- A. ADD the attached Document 00 31 33, Shop Drawings Data.
- B. REFER to attached Documents: TDI-0004, TDI-0005, RSL004, and RSL006, made available to bidders for reference only.

2. DOCUMENT 00 41 00 – BID FORM AND BID PACKAGE

- A. REPLACE Addendum 1 issued Bid Form WITH the revised Bid Form attached to this addendum.
- B. SUBMIT the following documents at the bid opening day:
 - a. Document 00 41 00, Bid Form.
 - b. Bid Bond.
 - c. Documents 00 22 05, Pages 1, 2, 5, 7, 11, and 33.
- C. SUBMIT the following documents before close of business of the second working day after bid opening day:
 - a. Document 00 22 05-35 and Document 00 22 05-36.
- D. SUBMIT the following documents, for the awarded contractor and subcontractors, within 30 days, and before contract signature:
 - a. Document 00 22 05-3.
- E. SIGN each document where required. If a signature block is not provided, sign at the bottom of the page.

3. DOCUMENT 00 91 13 – ADDENDUM 2

- A. DELETE Item 2 of BIDDING REQUIREMENTS.
- B. ADD new Subpart F.7 to read as follows:
 - "7. Refer to attached 8.5X11 sheet titled "Power and Communication Site Plan", with fiber optics vaults' identification, for the temporary telephone and internet connections work. For distance measurements, and other necessary information, refer to issued bid documents.
- C. ADD new Paragraph B to Item 3 of BIDDING REQUIREMENTS, to read as follows:
 - "B. REFER for Federal requirements' reference to "Standard Specification" and reference to Section 2-1.054 of the Standard Specification, to the following links:

http://www.dot.ca.gov/hq/esc/oe/specifications/std_specs/2006_StdSpecs/2006_StdSpecs.pdf

Or they can be purchased at:

<http://caltrans-opac.ca.gov/publicat.htm#S>

Thus, the "Standard Specification" is references to the Caltrans Standard Specifications (2006). And, the same is noted in Document 00 72 00, Article 4."

SPECIFICATIONS

1. SECTION 01 51 00 – TEMPORARY FACILITIES CONTROLS

- A. REVISE Paragraph 1.18A, CONSTRUCTION MONITORING WEB BASED WIRELESS CAMERAS, to read as such: "Before any construction activity to take place on site, Contractor to provide a minimum of two web based wireless cameras with web based digital feed 24/7 video monitoring and storage capabilities by the supplying vendor to store recording the construction progress for the entire construction duration; archiving time-lapse service is 1 image every 5 minutes. Contractor to provide the archiving records on DVD on monthly basis along with the payment request. Contractor is to mount each camera on a 35 feet high pole. Locate cameras' poles at opposite corners for cameras to view two full different building elevations. Cameras shall be connected to a web site with capability to pan, tilt and zoom with accessible monitoring accessible on a web page with passwords."
- B. REVISE Paragraph 1.19A, INTERNET CONNECTION, to read as such: "Provide internet connection for all trailers' offices, conference room and construction monitoring cameras."
- C. REPLACE Paragraph 1.03D and related subparagraphs 1 through 7 WITH the following:
 - "D. Sanitation Facilities: Provide Unisex toilet room in each of the State's Filed Offices Trailers and the Conference Room Trailer.
 - 1. Windows shall be provided with blinds, security bars and insect screens; Vents shall be maintained in good condition during Contract. Provide outdoor two (2) 30 gallon trash containers.
 - 2. Provide the following:
 - a. One toilet furnished and complete with all supplies in each trailer.
 - b. Domestic water and sewer to each restroom.
 - c. Hand wash sinks with hot and cold water, soap dispensers and towel dispensers in each restroom.
 - 3. Restrooms shall be maintained (housekeeping) and furnished with all supplies a minimum of twice a day for the duration of the Contract. Trailer shall remain the property of the Contractor."

2. SECTION 05 53 00 – METAL GRATINGS

A. PART 2 - PRODUCTS

DELETE subpart 2.2 ALUMINUM.

3. SECTION 05 70 00 – DECORATIVE METAL

A. DELETE entire section.

4. SECTION 07 16 16 – CRYSTALLINE WATERPROOFING

A. DELETE entire section.

5. SECTION 26 32 13 – ENGINE GENERATORS

A. PART 1 - GENERAL

DELETE subpart 1.5.C.

B. PART 2 - PRODUCTS

DELETE subpart 2.8.B.

C. PART 3 - EXECUTION

DELETE subpart 3.5.A.

6. SECTION 26 41 13 – LIGHTNING PROTECTION FOR STRUCTURES

A. SUBPART 2.1.B.1

ADD new subpart 2.1.B.1.d to read as follows:

d. National Lightning Protection Corporation.

DRAWINGS

2. REPLACE the following sheets WITH the attached sheets, noted Delta 'B' and dated October 15, 2008:

ARCHITECTURE

A-403	Finish Schedule
A-622	Interior Elevations

ELECTRICAL

E-610	One Line Diagram Normal Power
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END OF ADDENDUM NO. 3

ATTACHMENTS:

Document 00 01 10, Table of Contents.

Document 00 31 33, Shop Drawings Data.

Document 00 41 00, Bid Form.

TDI-0004

TDI-0005

RSL-004

RSL-006

8.5X11 sheet titled "Power and Communication Site Plan"

Drawings with Delta 'B' and dated October 15, 2008:

Sheet A-403

Sheet A-622

Sheet E-610

DOCUMENT 00 01 10

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END OF DOCUMENT

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SHOP DRAWINGS AND DATA

PART 1 - GENERAL

1.01 SHOP DRAWINGS AND DATA

- A. The following shop drawings and data, prepared for this project, are available for review as a reference.

1. Title: TDI-0004 and TDI-0005
2. Dated: October 8, 2008
3. Author: Taylor Devices
4. Availability: Project Management Branch
707 Third Street, Suite 3-305
West Sacramento, California 95605
Attn: Project Director, Rafat Alafranji
Telephone (916) 976-1738

- B. The following shop drawings and data, prepared for this project, are available for review as a reference.

1. Title: RSL-004 and RSL-006
2. Dated: October 8, 2008
3. Author: Robinson Seismic Ltd
4. Availability: Project Management Branch
707 Third Street, Suite 3-305
West Sacramento, California 95605
Attn: Project Director, Rafat Alafranji
Telephone (916) 976-1738

- C. The aforementioned shop drawings and data are not a part of the Contract Documents; they are made available for information only.

1.02 STATE'S DISCLAIMER

- A. The State of California assumes no responsibility for completeness or accuracy of geotechnical and soils investigations, records compiled therefrom, or interpretation(s) contained in the subsequent report. Geotechnical and soils investigations were performed for purposes of study and design, and there is no expressed or implied warranty that conditions indicated in the report are representative of those existing throughout the site; conditions differing substantially from those indicated may be encountered.

1.03 DIFFERING CONDITIONS

- A. If, during the course of construction operations, conditions differing substantially from those indicated in the geotechnical and soils report are encountered, promptly notify the State in writing; do not disturb such conditions until directed. The State will promptly request that the Soils Consultant investigate such conditions, and, if Consultant determines that conditions do differ substantially from those that reasonably would have been anticipated from information contained in the geotechnical and soils report and from examination of the site, and that such conditions will necessitate a change in Work and/or adjustment of cost and/or time for performing work, the State will authorize a Change Order, as provided in the General Conditions, to provide for changes and adjustments.

END OF DOCUMENT

BID FORM

THE STATE OF CALIFORNIA
DEPARTMENT OF GENERAL SERVICES
REAL ESTATE SERVICES DIVISION
PROJECT MANAGEMENT BRANCH

FROM: _____
(Name of Bidding Firm)

DELIVER TO: Project Management Branch
13025 Danielson Street, Suite 105
Poway, CA 92064

BEFORE 2:00 P.M., November 20, 2008

FOR: INLAND EMPIRE TRANSPORTATION MANAGEMENT CENTER (IETMC)
DEPARTMENT OF TRANSPORTATION
FONTANA, SAN BERNARDINO COUNTY, CALIFORNIA
118480

Plainly mark outside of envelope with "Bid For"; followed by the above Title and Project Number.

The undersigned hereby proposes and agrees to furnish all labor, materials, and equipment, and to perform all work required for the above-named Project in the manner and time prescribed in the Drawings and Project Manual, dated July 2008 and such addenda thereto as may be issued prior to bid opening date and in accordance with prevailing wage rates ascertained by the Department of Industrial Relations and set forth on the DIR web site (http://www.dir.ca.gov/DLSR/statistics_research.html) for General Prevailing Wage Rates as determined by the February 2008 DIR prevailing wage published rates or with Federal Davis Bacon Wage Act Provisions which ever is greater. The Bid Price, set forth below in clear legible figures, includes the cost of Bonds, Insurance, Sales Tax, and every other item of expense, direct or indirect, incidental to the Bid Price.

SCHEDULE OF WORK AND PRICES

WORK ITEM	DESCRIPTION	ITEM TOTAL IN FIGURES
1.	SITE for the sum of:	\$ _____
2.	BUILDING for the sum of:	\$ _____
3.	Allowance(s) as specified in Section 01 21 00, not included in Work Items 1 or 2 above for the sum of:	<u>\$315,000.00</u>
COMPLETE WORK: Total of Work Items 1,2 and 3 for the lump sum of:		\$ _____

DETERMINATION OF BID: Determination of amount of bid will be on the basis of total sum of Work Items as verified by the State.

IMPORTANT - READ BEFORE SIGNING: Bid Form must be executed in same name-style in which the bidder is licensed. Bidder bidding jointly or as a combination of several business organizations is specially cautioned that such bidder must be jointly licensed in the same form and style in which the bid is executed. If making a bid as a joint venture, each person submitting the bid shall provide the information required below with respect to his or her licensure. The undersigned Bidder certifies and agrees to provide the information and comply with the requirements contained in Articles 1 through 10 on the following pages of the Bid Form. By signing, Bidder swears under penalty of perjury that the conditions of Article 2, Article 4, Paragraph 4.2, and Article 7 are true.

Legal Name of Bidder: _____ Federal I.D. No.: _____

Contractor's License No.: _____ License Expiration Date _____ License Classification: _____

Business Address _____
(Street and/or P.O. Box) (City) (State) (Zip)

E-Mail Address: _____

Business Telephone No.: _____ Facsimile No.: _____

SIGN HERE ----->

Signature of Bidder

Print Name and Title of Bidder

Executed this _____ day of _____, 20____ at _____, California.

ARTICLE 1 – BIDDER'S BUSINESS IDENTIFICATION

THIS BID IS SUBMITTED BY (check one):

- | | |
|--|--------------------------------------|
| <input type="checkbox"/> Individual | <input type="checkbox"/> Partnership |
| <input type="checkbox"/> Joint Venture | <input type="checkbox"/> Corporation |

State in which Incorporated

NOTE: If Bidder is a corporation, the State in which incorporated shall be inserted above and the legal name of the corporation shall be set forth above, together with the signature of the officer or officers authorized to sign contracts on behalf of the corporation; if Bidder is a partnership, the true name of the firm shall be set forth above, together with the signature of a partner authorized to sign contract in behalf of the partnership; and if Bidder is an individual, that person's signature shall be placed above. If signature is by an agent, other than an officer of a corporation or a member of a partnership, a Power of Attorney must be on file with the Department prior to opening bids or submitted with the bid; otherwise, the bid will be regarded as irregular and unauthorized. If bid is submitted by partnership or joint venture, the members are:

ARTICLE 2 – REQUEST FOR SMALL BUSINESS PREFERENCE AND CERTIFICATION AND NON-SMALL BUSINESS SUBCONTRACTOR PREFERENCE

REQUEST FOR SMALL BUSINESS PREFERENCE IS NOT APPLICABLE FOR THIS PROJECT

ARTICLE 3 – BONDING ASSISTANCE

In the event Bidder has received assistance in obtaining bonding for this Project, Bidder shall set forth name and nature of firm providing such assistance. Should that firm be listed as subcontractor, Bidder shall set forth the percentage of contract to be performed by that subcontractor.

Firm Providing Assistance and Nature of Assistance

Subcontractor: ☐ Yes ☐ No Percentage _____

ARTICLE 4 – CERTIFICATIONS - BID DEPOSITORY AND FEDERAL COURT FINDINGS

4.1 By signing this Bid Form, Bidder certifies that in preparation of this Bid Form, no bid was received by the bidder from a bid depository, which depository (as to any portion of the work) prohibits or imposes sanctions for the obtaining by bidder, or the submission to bidder by any subcontractor or vendor or supplier of goods and services, of a bid outside the bid depository. This certification shall constitute a warranty, the falsity of which shall entitle the State to pursue any remedy authorized by law, and shall include the right, at the option of the State, of declaring any contract made as a result thereof to be void.

4.2 By signing this Bid Form, Bidder swears under penalty of perjury that representations of the bid with respect to bidder's license are true and that no more than one final unappealable finding of contempt of court by a Federal Court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a Federal Court which orders the Contractor to comply with an order of the National Labor Relations Board.

ARTICLE 5 – STATEMENT OF COMPLIANCE - NONDISCRIMINATION

Bidder (hereinafter referred to as "prospective contractor" in this Statement), by signing this Bid Form, hereby certifies, unless specifically exempted, compliance with Government Code Section 12990 (a-f), and CCR, Title 2, Division 4, Chapter 5, Section 8103, in matters relating to reporting requirements and the development, implementation and maintenance of a Nondiscrimination Program; as set forth in the General Conditions of the Contract for Construction. Prospective contractor agrees not to unlawfully discriminate, harass or allow harassment against any employee or applicants for employment because of sex, race, color, ancestry, religious creed, national origin, physical disability (including HIV and AIDS), medical disability (cancer), age (over 40), marital status, and denial of family care leave.

ARTICLE 6 – QUESTIONNAIRE

6.1 In accordance with Public Contract Code, Section 10162, the Bidder shall complete the following questionnaire:

6.1.1 Has the Bidder, any officer of the Bidder, or any employee of the Bidder who has a proprietary interest in the Bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a Federal, State or Local government project because of a violation of law or a safety regulation?

Yes ☐ No ☐

6.1.2 Has the Bidder, any officer of the Bidder, or any employee of the Bidder who has a proprietary interest in the Bidder, ever received a safety violation or failed to file notifications to the Cal-OSHA, Federal OSHA, or EPA Agencies for employee records as required by CCR, Title 8, Section 5208 and CFR 40, Part 61?

Yes ☐ No ☐

If the answer to either 6.1.1 or 6.1.2 above is "Yes", then give the date(s) of the citation(s) or failure to make notifications, and explain the circumstances by attachment to this Bid Form.

ARTICLE 7 – NONCOLLUSION AFFIDAVIT TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

By signing this Bid Form, Bidder, being first duly sworn, deposes and says that he or she is the authorized representative of the Bidder, the party making the foregoing bid, that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and is not collusive or sham; that the Bidder has not directly or indirectly induced or solicited any other Bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any Bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the Bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the Bidder or any other Bidder, or to fix any overhead, profit, or cost element of the bid price, or that of any other Bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the Bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

ARTICLE 8 – ADDENDA

In submitting this bid, Bidder represents that Bidder has examined copies of all the Contract Documents and acknowledges receipt of the following addenda:

Addendum No.: _____	Date: _____	Addendum No.: _____	Date: _____
Addendum No.: _____	Date: _____	Addendum No.: _____	Date: _____
Addendum No.: _____	Date: _____	Addendum No.: _____	Date: _____

Failure to acknowledge on the Bid Form receipt of an addendum shall not in itself be cause for withdrawal or rejection of bids, if it can be shown that bidder did, in fact, receive such addendum prior to bid opening.

ARTICLE 9 – COMPLIANCE WITH GOALS SET FORTH IN THE DISADVANTAGED BUSINESS ENTERPRISED (DBE) PROGRAM

In accordance with part 26, Title 49, Code of Federal Regulations entitled, "Participation By Minority Business Enterprise In Department Of Transportation Programs", the Department of General Services has established criteria to implement the Disadvantaged Business Enterprise Program Goal as set forth in Document 00455 of the Project Manual.

THE ATTACHED DOCUMENT LLP 01-04 – PROVIDES INFORMATION OF REQUIREMENTS AND DOCUMENTATION THAT MUST BE COMPLETED BY THE PRIME CONTRACTOR AND RECEIVED BY THE PROJECT MANAGEMENT BRANCH IN ACCORDANCE WITH THE DATE SPECIFIED IN DOCUMENT 00 11 00 TO HAVE THE BID CONSIDERED. IF FULL DBE GOAL ATTAINMENT IS NOT ACHIEVED, BIDDER MUST COMPLETE DOCUMENTATION OF THEIR GOOD FAITH EFFORT AND SUBMIT IN ACCORDANCE WITH DOCUMENT 00 22 05. A FORM WILL BE HANDED OUT AT THE MANDATORY PRE-BID TOUR THAT SHALL BE USED FOR THE GOOD FAITH DOCUMENTATION.

(Name of Bidding Firm)

Listed hereinafter is the name and location of all subcontractors who will be employed, and the kind of work which each will perform if the contract is awarded to the undersigned. I understand that under Public Contract Code Section 4100, et. seq., I must here clearly set forth the name and location of each subcontractor who will perform work or labor or render service to me in or about the construction of the work in an amount in excess of one-half of one percent (1/2 of 1%), of my total bid, and that as to any work in which I fail to do so, I agree to perform that portion myself or be subject to penalty under the act. (Note: In case more than one subcontractor is named for the same kind of work, state the portion that each will perform. Vendors or suppliers of materials only need not be listed.) Notwithstanding General Conditions Paragraph 1.1, the definition of a **SUBCONTRACTOR** for the purposes of the Subletting and Subcontracting law is as follows: A trade Contractor who is licensed with the Contractors' State License Board with an A, B, C or D classification, as defined pursuant to PCC Section 4113 and Chapter 9 of the Business and Professions Code.

(If further space is required for the List of Proposed Subcontractors, additional sheets showing the required information, as indicated below, shall be attached hereto and made a part of the Bid Form.)

[illegible]

BID FORM-Addendum 3

Quantity Submitted: Digital Only

Date: October 9, 2008

TRANSMITTAL LETTER – SUBMITTAL INFORMATION

TO: Tom Grant / Nicki Treadway
DMJM H&N
999 Town & Country Road
Orange, CA 92868

FROM:



taylor devices inc.

90 Taylor Drive
North Tonawanda, NY 14120-0748
716-694-0800 Phone – 716-695-6015 Fax
www.taylordevices.com

SOLICITATION NUMBER:

56979

IETMC Project

SPECIFICATION SECTION:

134867

OWNER: Department of General Services

SUPPLIER: Taylor Devices, Inc.

SUBMITTAL NUMBER: TDI-0004

NEW

☐

RESUBMITTAL

☒

SUBMITTAL DESCRIPTION:

SHOP DRAWINGS CONTAINS: DAMPER ENVELOPE DRAWINGS, INSTALLATION DRAWINGS, SETTING DIAGRAMS, BOLTING DIAGRAMS, DAMPERS INDICATING DIMENSIONS AND WEIGHTS, AND STEEL MOUNTING AND CONNECTING HARDWARE.

This submittal contains a deviation:

☒ YES

☐ NO

ITEM NO.	DESCRIPTION	VAR	PARAGRAPH/DWGS

COMMENTS:

DRAWING 67DP-18325-01 HAS BEEN UPDATED TO CORRESPOND WITH PLAN SHEET S-501 REV. A DATED 9/26/2008 DETAIL 8, 18, AND 20.

- 1.) UNIT NOW HAS A PIN TO PIN LENGTH OR 158"

THE FOLLOWING DRAWING 67DP-18325-1000 HAS SOME DIMENSIONAL CHANGES. TAKE SPECIAL NOTICE TO SECTION II INSTALLATION DRAWINGS: DIMENSIONS CHANGES TO PLAN SHEET S-501 DETAIL 10.

- 1.) CLEVIS MOUNT CHANGE FROM 8.0" TO 9.0".
- 2.) THE HOLE FOR DAMPER PIN SHALL BE $\varnothing 3.03 \pm .01$ " LINED BORE THRU BOTH PLATES AS SHOWN ON DRAWING 67DP-18325-1002.
- 3.) THE 67DP-18325-03 PIN KIT IS USED FOR THIS END OF THE DAMPER.

THE FOLLOWING DRAWING 67DP-18325-1001 HAS SOME DIMENSIONAL CHANGES. TAKE SPECIAL NOTICE TO SECTION II INSTALLATION DRAWINGS: DIMENSIONS CHANGES TO PLAN SHEET S-501 DETAIL 15.

- 1.) THE CLEVIS MOUNT CENTER PLATE CHANGED FROM 18.0" TO 16.0" IN LENGTH.
- 2.) THE HOLE FOR DAMPER PIN SHALL BE $\varnothing 3.03 \pm .01$ " LINED BORE THRU BOTH PLATES AS SHOWN ON DRAWING 67DP-18325-1003.
- 3.) THE 67DP-18325-04 PIN KIT IS USED FOR THIS END OF THE DAMPER.
- 4.) DAMPER PIN TO PIN LENGTH IS 158" NOT 14' AS NOTED IN THE PLANS.



taylordevices inc.

IETMC SHOP DRAWINGS

382 KIP Fluid Viscous Damper

SUBMITTAL

Customer: Tom Grant / Nicki Treadway
DMJM H&N
999 Town & Country Road
Orange, CA 92868
Phone: 714-567-2639
Fax: 714-567-2535

Submitted: Taylor Devices, Inc.
90 Taylor Drive
N. Tonawanda, NY 14120
Phone: 716-694-0800
Fax: 716-695-6015

DATE SUBMITTED:	September 8, 2008
TRANSMITTAL NO.:	TDI0004
UPDATED:	October 8, 2008

TABLE OF CONTENTS

- I. Damper Envelope Drawings
- II. Installation Drawings
- III. Setting Diagrams
- IV. Bolting Diagrams
- V. Dampers Indicating Dimensions and
Weights
- VI. Steel Mounting and Connecting
Hardware

SECTION I

DAMPER ENVELOPE DRAWING

NOTE: THE FOLLOWING DRAWING 67DP-18325-01 HAS SOME DIMENSIONAL CHANGES TO CORRESPOND WITH PLAN SHEET S-501 REV A DATED 9/26/2008 DETAIL 8, 18, AND 20 REVISION A. PLEASE PAY SPECIAL ATTENTION TO:

- **THE PIN-TO-PIN LENGTH IS NOW 13'-2".**

SPECIFICATIONS:

- 1.) UNIT TYPE: DOUBLE ACTING FLUID VISCOUS DAMPER.
- 2.) ALL PARTS THAT SLIDE RELATIVE TO ANY SEALS SHALL BE MADE FROM 17-4PH STAINLESS STEEL.
- 3.) APPROXIMATE WEIGHT OF THE UNIT = 2600 LBS.
- 4.) UNITS TO BE PAINTED WITH A BLACK PRIMER, EXCEPT CHROME PLATED SURFACES AND SPHERICAL BEARINGS.
- 5.) OPERATING FLUID IS INERT SILICONE, PER U.S. FEDERAL STANDARD VV-D-1078.
- 6.) OPERATING AMBIENT TEMPERATURE RANGE: 14°F TO 122°F
- 7.) DAMPER STROKE ±28" WITH IDENTICAL CHARACTERISTICS IN EITHER DIRECTION OF MOTION.
- 8.) DAMPING FORCE = 382 KIP
- 9.) NOMINAL OUTPUT FUNCTION: $F = CV \alpha$
 $C = 80.6 \text{ KIP-sec/IN}$ $\alpha = 0.38$

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
A	1	1.) (158.00 MID-STROKE LG.) WAS (157.75 MID-STROKE LG.).	08/06/06

APPROVED			
			J.C.M.

±0.35 mm ADJUSTMENT
(IN 2 mm INCREMENTS)

2X 2.62±.01
BEARING WIDTH



2X Ø 3.000±.001
SPHERICAL BEARING BORE

Ø 12.55±.12

Ø 11.00±.03

Ø 6.88±.08

2X 4.75±.12

2X
S.R. 4.50±.13

(68.49)

(104.82 AT INSTALLED LENGTH)

(158.00 MID-STROKE LENGTH)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE
IN INCHES. DECIMAL FRACTIONS SHALL BE
TO TWO DECIMAL PLACES.
ALL DIMENSIONS SHALL BE TO THE CENTER
UNLESS OTHERWISE SPECIFIED.
ALL CORNERS & EDGES TO BE R.01-.02
UNLESS OTHERWISE SPECIFIED.
√ MAX. ALL SURFACES

IF COMPANY
IFP SUBJECT TO RECALL
IFP & SUBJECT MATERIAL PROPERTY TAYLOR DAMPER COMPANIES
REPRODUCTION OF THIS DRAWING WITHOUT THE WRITTEN
CONSENT OF TAYLOR DAMPER COMPANIES IS PROHIBITED
PATENTS (APPLICABLE)

STOCK SIZE (REF):

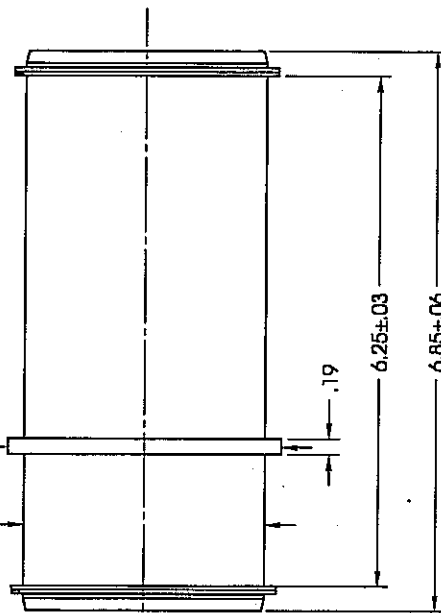
taylor devices inc.
NORTH TONAWANDA, NY
14120
PHONE: 716-291-2800
FAX: 716-291-5018

382 KIP FLUID VISCOUS DAMPER

SIZE	CAGE CODE	DRAWING NO.	REV.
B	06742	67DP-18325-01	A

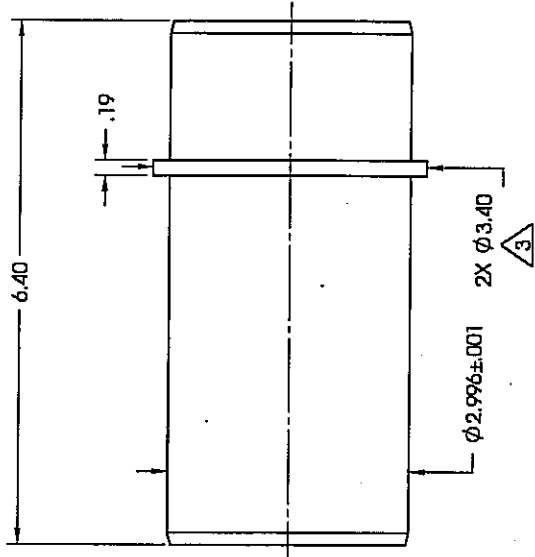
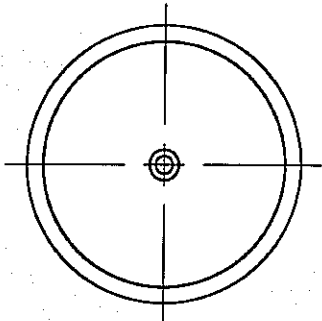
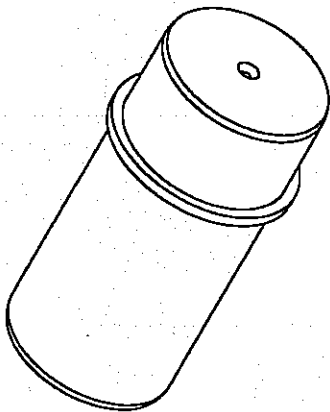
SCALE: 1:12 WEIGHT: SHEET 1 OF 1

NOTES: UNLESS OTHERWISE NOTED



- 1.) PIN TO BE 17-4PH STAINLESS STEEL.

[illegible]



4.) SHIM IS TO GO ON BOTTOM SIDE CLOSER TO THE GROUND.

△ FREE TO SLIDE.

2.) RETAINING RINGS AND SHIMS TO BE STAINLESS STEEL.

1.) PIN TO BE 17-4PH STAINLESS STEEL.

NOTES: UNLESS OTHERWISE NOTED

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
A	1	OVERALL LENGTH 6.40 WAS 6.00.	09/10/11
		2) ADDED NOTE 4.	J.C.M.

taylor devices inc. NORTH TONAWANDA, NY PHONE 716-892-0000 FAX 716-892-6016		PIN KIT	
SIZE B	CAGE CODE 06742	DRAWING NO: 67DP-18325-04	REV. A
SCALE: 1:1.6		WEIGHT: 12.63	
PREPARED []	CHECKED []	SD.P. []	DATE []
MFG. APPL. []	J.C.M. []	J.C.M. []	DATE []
MATERIAL:			
STOCK SIZE (REF):			

SECTION II

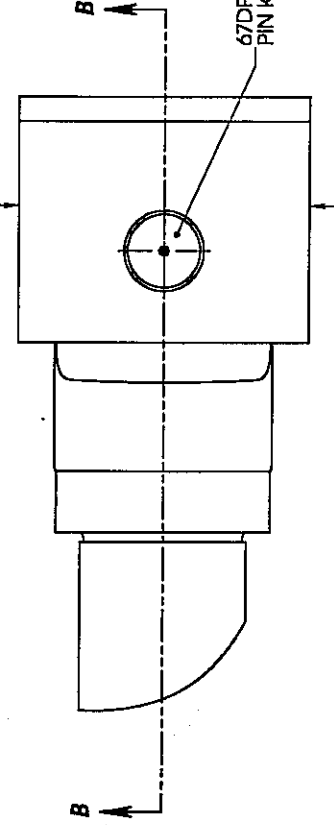
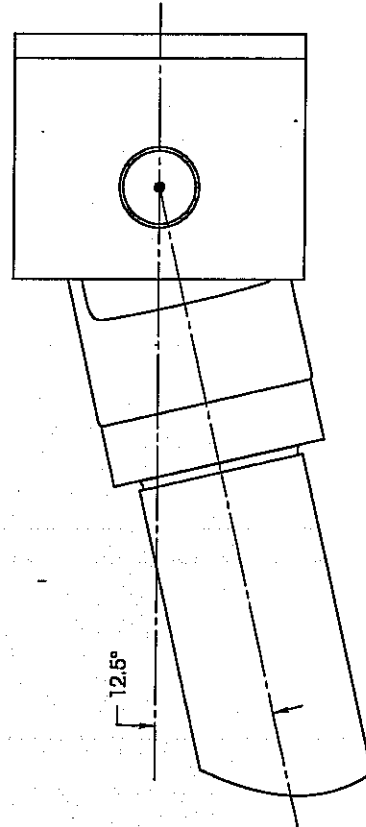
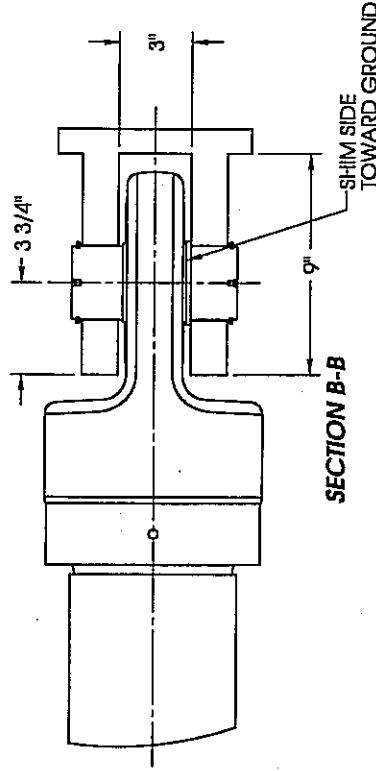
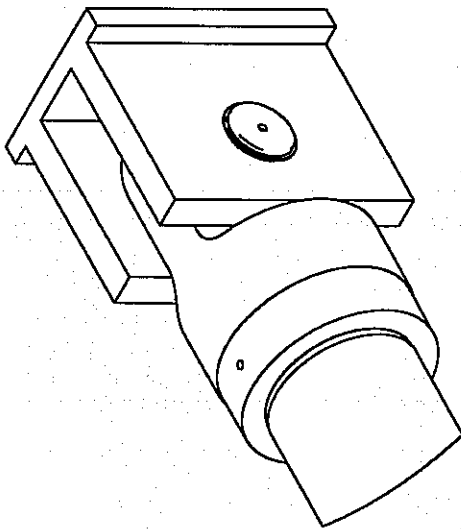
INSTALLATION DRAWINGS

NOTE: THE FOLLOWING DRAWING 67DP-18325-1000 HAS SOME DIMENSIONAL CHANGES TO PLAN SHEET S-501 DETAIL 10. PLEASE PAY SPECIAL ATTENTION TO:

- **THE CLEVIS MOUNT CHANGE FROM 8.0" TO 9.0".**
- **THE HOLE FOR DAMPER PIN SHOULD BE $\varnothing 3.03 \pm .01$ " LINED BORE THRU BOTH PLATES AS SHOWN ON DRAWING 67DP-18325-1002.**
- **THE 67DP-18325-03 PIN KIT IS USED FOR THIS END OF THE DAMPER**

NOTE: THE FOLLOWING DRAWING 67DP-18325-1001 HAS SOME DIMENSIONAL CHANGES TO PLAN SHEET S-501 DETAIL 15. PLEASE PAY SPECIAL ATTENTION TO:

- **THE CLEVIS MOUNT CENTER PLATE CHANGED FROM 18.0" TO 16.0" IN LENGTH.**
- **OUTER CLEVIS PLATE LENGTHS TO BE 25" LONG NOT 24" LONG.**
- **THE HOLE FOR DAMPER PIN SHALL BE $\varnothing 3.03 \pm .01$ " LINED BORE THRU BOTH PLATES AS SHOWN ON DRAWING 67DP-18325-1003.**
- **THE 67DP-18325-04 PIN KIT IS USED FOR THIS END OF THE DAMPER.**
- **DAMPER PIN TO PIN LENGTH IS 158" NOT 14' AS NOTED IN THE PLANS**



2.) FOR DIMENSIONAL INFORMATION ONLY. PLATES TO BE SUPPLIED BY OTHERS.

1.) UNIT HAS ROTATION OF $\pm 12.5^\circ$

NOTES: UNLESS OTHERWISE NOTED

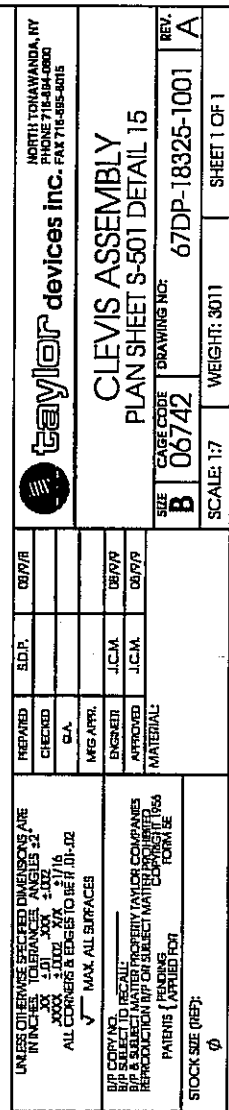
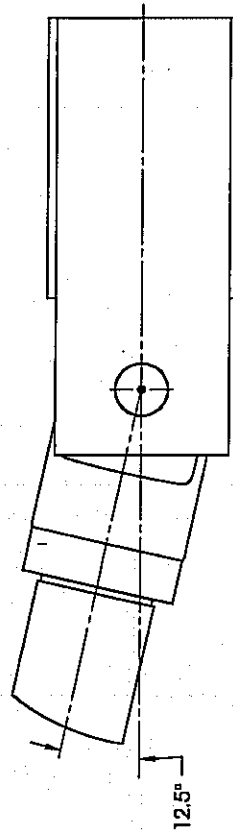
taylor devices inc.		NORTH TOWNHALL, NY PH: 716-233-2800 FAX: 716-233-6015	
CLEVIS ASSEMBLY PLAN SHEET S-501 DETAIL 10			
SIZE B	CASE CODE 06742	DRAWING NO. 67DP-18325-1000	REV. A
SCALE: 1:5		WEIGHT: 2334	
SHEET 1 OF 1			

PREPARED []	S.D.P. []	D6/P/R []
CHECKED []	J.C.M. []	D6/P/P []
MFG APPR. []	J.C.M. []	D6/P/P []
APPROVED []		
MATERIAL []		

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND DECIMALS ARE TO BE USED.
 ALL DIMENSIONS ARE TO BE $\pm .002$ UNLESS OTHERWISE SPECIFIED.
 ALL CORNERS & EDGES TO BE $R.125$.
 MAX. ALL SURFACES.

BIP CORV NO. []
 BIP SUBJECT TO RECALL
 BIP & SUBJECT MATTER PROPERTY TAYLOR COMPANIES
 REPRODUCTION OR SUBJECT MATTER TAYLOR COMPANIES
 PATENTS (APPLIED FOR)

STOCK SIZE (REF): \emptyset



NOTES; UNLESS OTHERWISE NOTED

SECTION III SETTING DIAGRAMS

Note: Does not apply.

SECTION IV

BOLTING DIAGRAMS

Note: Does not apply.

SECTION V

DAMPERS INDICATING DIMENSIONS AND WEIGHTS

Note: See Section I, Damper Envelope Drawing.

SECTION VI
STEEL MOUNTING AND CONNECTING
HARDWARE



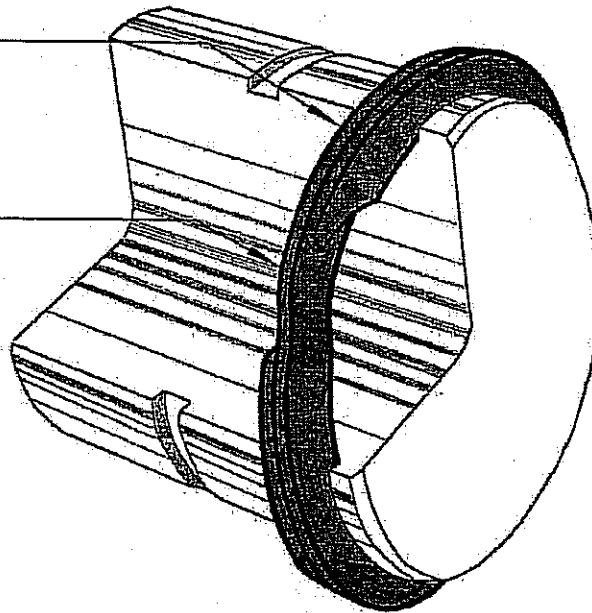
taylor devices inc.

90 Taylor Drive
PO Box 749
North Tonawanda, New York 14120-0749

Spiral Wound In Multiple Turns
—Increases load capacity yet allows easy assembly by hand or as an automated process.

Uniform Radial Section
—Provides a pleasant appearance on the assembled product.
—Beneficial when radial clearance is limited.

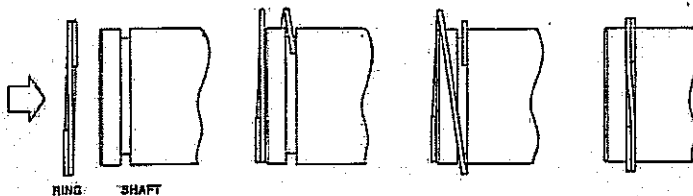
Simplify Assembly
—Wind into groove.
—No special pliers/tools needed to install or remove.
—Removal notch provided for easy removal using a screwdriver.
—No special pliers/tools needed to install or remove.



Manual Assembly

Manual installation on an individual or low production basis within a housing bore or on a shaft is accomplished as follows:

- (1) Separate coils and insert end of ring into groove;
- (2) wind ring into groove;
- (3) inspect for proper seating in the groove



RETAINING RING INSTALLATION: The diagram above corresponds to the instructions given in section 3.1 regarding the proper installation of the damper mounting pin kit and its retaining ring.

Quantity Submitted: Digital Only

Date: October 8, 2008

TRANSMITTAL LETTER – SUBMITTAL INFORMATION

TO: Tom Grant / Nicki Treadway
DMJM H&N
999 Town & Country Road
Orange, CA 92868

FROM:



taylordevices inc.

90 Taylor Drive
North Tonawanda, NY 14120-0748
716-694-0800 Phone – 716-695-6015 Fax
www.taylordevices.com

SOLICITATION NUMBER:
56979

IETMC Project

SPECIFICATION SECTION:
134867

OWNER: Department of General Services

SUPPLIER: Taylor Devices, Inc.

SUBMITTAL NUMBER: TDI-0005

NEW

☐

RESUBMITTAL

☒

SUBMITTAL DESCRIPTION:

INSTALLATION, OPERATION, AND MAINTENANCE MANUAL CONTAINS: SCOPE OF SUPPLY,
INSTALLATION, OPERATION, AND MAINTENANCE MANUAL, WARRANTY.

This submittal contains a deviation: ☐ YES ☒ NO

ITEM NO.	DESCRIPTION	VAR	PARAGRAPH/DWGS

COMMENTS:

REVISED DRAWING 67DP-18325-01 TO 13'-2".
REVISED PIN DRAWINGS TO NEW SPECIFICATIONS.



taylor devices inc.

IETMC INSTALLATION, OPERATION AND MAINTENANCE MANUAL

382 KIP Fluid Viscous Damper

SUBMITTAL

Customer: Tom Grant / Nicki Treadway
DMJM H&N
999 Town & Country Road
Orange, CA 92868
Phone: 714-567-2639
Fax: 714-567-2535

Submitted: Taylor Devices, Inc.
90 Taylor Drive
N. Tonawanda, NY 14120
Phone: 716-694-0800
Fax: 716-695-6015

DATE SUBMITTED:	September 8, 2008
TRANSMITTAL NO.:	TDI0005
UPDATED:	October 8, 2008

TABLE OF CONTENTS

- I. Scope of Supply
- II. Installation, Operation and Maintenance
Manual
- III. Warranty

SECTION I

SCOPE OF SUPPLY

Quantity	Part Number	Description
8	67DP-18325-01	382 KIP Fluid Viscous Damper
8	67DP-18325-03	Mounting Pin Kit
8	67DP-18325-04	Mounting Pin Kit

SECTION II

INSTALLATION OPERATION AND MAINTENANCE

MANUAL