



June 30, 2008

DALLAS

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TAIPAI

Trakloc Pacific

**Attn: Curt Kinney
Todd Beasley**

**Re: Trakloc Time Study – Fontainebleau / Las Vegas, Nevada
CDC Project #L01288**

Gentlemen,

CDC has completed our observations review regarding the time study comparison between the installation of Trakloc Pacific's interior steel framing system and the conventional stud and slotted track method. Attached with this letter are a series of reports that contain CDC's observations while invested in this project. The nature of this study has provided a significant amount of information and data. CDC has organized the data in a manner we feel is best suited for the nature of this study.

CDC has compiled the information and data observed while on site and created detailed daily observation reports. Included in the daily reports are:

- Field observations
- Photos to accompany the field observations
- Data logs (wall type, wall length installed, man hours)
- Floor Plans to accompany the data logs

In conclusion, CDC would like to summarize the observations that are noted within the report.

When installed in accordance with ICC-ES Report # ESR-1464, the Trakloc system does not require the use of mechanical fasteners to secure the stud to the top or bottom track. However, the manufacturer of Trakloc does recommend the limited use of mechanical fasteners in specific conditions such as corners and king studs. CDC observed Trakloc studs receiving at least one screw in the top of each stud and one screw in the bottom of each stud.¹

CDC observed that the Trakloc system achieved an increase in labor productivity when compared to the conventional stud and slotted track method. The following table summarizes the lineal feet per man hour comparisons.²

Wall Type	Conventional Rate	Trakloc Rate	% Trakloc Productivity Increase
Corridor	18.41	23.45	27.34%
Partition	24.54	29.62	20.69%
Composite	21.53	26.65	23.80%

¹ All times observed include the time invested by Aderholt to fasten these studs.

² See also detailed summary chart on page 3.

The Trakloc system was observed to be installed in spec approximately 82% of the time compared to approximately 40% observed in the conventional stud and slotted track method.³

CDC would also like to include additional observations that should be considered with the report.

The installation of the Trakloc system on floor T14 occurred over the course of 9 days. The installation of the conventional stud and slotted track method on floor T18 occurred over the course of 6 days. The shortened period for conventional stud installation was due to additional man hours per day.

The installation of the Trakloc top track was discontinuous at penetrations through the slab on floor T14. During the installation of the Trakloc system, Aderholt's crew had to install metal strips to bridge these gaps, creating a continuous top track. The installation of these metal strips occurred in conjunction with the installation of the Trakloc steel framing studs. The installation of the slotted top track was continuous at penetrations through the slab.

CDC hopes that the information and data included within are organized in a manner that provides a better understanding of the products observed. Please feel free to contact the undersigned if you have any questions.

Sincerely,

Billy Jones

Billy Jones
CDC, Inc.

³ The 82% of the Trakloc system installed in spec was observed with drywall attached to one side of the stud. The percentage of studs out of spec will likely increase when drywall is attached to the other side of the stud. The manufacturer has informed CDC that modifications to the Trakloc system are in development that will eliminate any of the studs being out of spec. However, CDC has no documentation regarding these system modifications and therefore cannot make an informed assessment of this claim.

FONTAINEBLEAU

Las Vegas, Nevada

Trakloc Interior Wall Time Study

INSTALLATION SUMMARY LOG

T18 - Conventional Framing

WALL TYPE	LINEAL FOOTAGE	TOTAL MAN HOURS	LINEAL FEET / MAN HOUR
16" O.C. CORRIDOR WALLS	1,288.88	70.00	18.41
24" O.C. PARTITION WALLS	1,774.60	72.32	24.54
COMPOSITE WALL DATA	3,063.48	142.32	21.53

T14 - Trackloc Framing

WALL TYPE	LINEAL FOOTAGE	TOTAL MAN HOURS	LINEAL FEET / MAN HOUR	% OF PRODUCTIVITY INCREASE USING TRAKLOC
16" O.C. CORRIDOR WALLS	1,276.67	54.45	23.45	27.34%
24" O.C. PARTITION WALLS	1,740.91	58.78	29.62	20.69%
COMPOSITE WALL DATA	3,017.57	113.23	26.65	23.80%