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PROJECT: 146054.000 JE Muchert SA1 DATE SENT: 10/30/2018
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SUBJECT: 05 40 00 - 001 Slotted Deflection Track SUBMITTAL ID: 05 40 00-002

TYPE: Submittal TRANSMITTAL ID: 00178

PURPOSE: For Review VIA: Info Exchange

SPEC SECTION: 05 40 00

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REMARKS: Please see attached submittal for review.

DESCRIPTION OF CONTENTS

QTY	DATED	TITLE	NUMBER	NOTES
1	10/29/2018	Slotted Deflection Track Submittal .pdf		

Structural (C955)

- Coating Requirement for Structural Framing as Listed in ASTM C 955



TABLE 1 Coating Designations

Coating Classification	Coating Designator	Minimum Coating Requirements			
		Zinc-Coated ^A	Zinc Iron ^B	55 % Al-Zinc ^C	Zinc-5 % ^D
Metallic Coated	CP 40	G 40	A 40	AZ 50	GF 30
	CP 60	G 60	A 60	AZ 50	GF 30
	CP 90	G 90	Not Applicable	AZ 50	GF 45
Painted Metallic	PM	The metallic coated substrate shall meet the requirements of metallic coated. In addition, the paint film shall have a minimum thickness of 0.5 mil per side (primer plus topcoat) with a minimum primer thickness of 0.1 mil per side. ^E			
Painted	PTD	Non-metallic coated substrate shall be painted after roll forming and shall have a minimum paint thickness of 1.0 mil on all surfaces including edges. Use of painted product is limited to environments where the rate of corrosion is low; typically areas such as interiors of buildings and areas of low rainfall and low humidity as defined by ISO 9223, Category 1 and 2. ^{E,F}			

^A Zinc-coated steel sheet as described in Specification A 653/A 653M.

^B Zinc-iron alloy-coated steel sheet as described in Specification A 653/A 653M.

^C 55 % Aluminum-zinc alloy-coated steel sheet as described in Specification A 792/A 792M.

^D Zinc-5 % aluminum alloy-coated steel sheet as described in Specification A 875/A 875M.

^E In accordance with the requirements of Specification A 1003/A 1003M.

^F ISO 9223.

MUST INSTALL DOUBLE DEFLECTION TRACK. NO EXCEPTIONS.

Product Submittal Sheet



Tech Support: 888-437-3244
Engineering Services: 877-832-3206

Sales: 800-543-7140
clarkdietrich.com

MaxTrak® (SLT) Slotted Deflection Track for structural wall framing

The MaxTrak (SLT) system is a head-of-wall deflection track that is used for framing exterior curtain walls and non-load bearing interior walls. This system allows for vertical live load movement of the primary structure without transferring axial loads to the wall studs.

The MaxTrak system is attached to the wall studs through vertical slots using waferhead screws creating a positive connection that allows for vertical movement and also eliminates the requirement for lateral bracing near the top of the wall stud.

The slots in the track's legs are designed for a total allowable vertical movement of 1-1/2" (3/4" +/-). The MaxTrak system must be designed to take the end reaction of the wall studs (point loads) by using the allowable loads below.

Product Data & Ordering Information:

Material: Yield Strength: Grade 33ksi for 33mils & 43mils
Yield Strength: Grade 50ksi for 54mils & 68mils
Coating: CP60 per ASTM C955 (G90 available)
33mils: 20ga STR, 0.0346" Design Thickness, 0.0329" Min. Thickness
43mils: 18ga, 0.0451" Design Thickness, 0.0428" Min. Thickness
54mils: 16ga, 0.0566" Design Thickness, 0.0538" Min. Thickness
68mils: 14ga, 0.0713" Design Thickness, 0.0677" Min. Thickness

Dimensions: 2-1/2" legs with an inside depth equal to the depth of the stud
Available in 2-1/2", 3-5/8", 4", 6" or 8" wide systems
Vertical slots are 0.22" wide x 1-1/2" long and spaced every 1" o.c.
Track length = 10'-0"

ASTM & Code Standards:

- ASTM A1003, C645, C754, C955, C1002, C1007, E119, E814 and E1966.
- Intertek CCRR-0205
- ANSI / UL 2079 and MaxTrak UL approved systems (See UL Fire Resistance Directory 42XE)
- SDS & Product Certification Information is available at www.clarkdietrich.com/SupportDocs

MaxTrak Allowable Lateral Loads:

Section Thickness	Loads for single stud more than 12" from end of track	Loads for single stud within 12" of end of track (w/out splice)
33mil (20ga)	156 lbs	100 lbs
43mil (18ga)	205 lbs	133 lbs
54mil (16ga)	360 lbs	237 lbs
68mil (14ga)	537 lbs	355 lbs

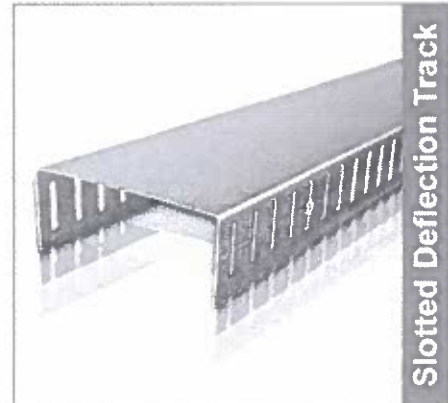
- The minimum wall stud thickness must be equal to the selected slotted track thickness.
- #8 min. wafer head screws shall be used for 33 mil material sections. #10 min. wafer head screws for 43 mil and thicker sections.
- MaxTrak allowable lateral loads are based on a maximum gap between the top of the stud and the web of the track of 7/8".

For MaxTrak maximum wall height charts, connection details, and fire rated assembly details on either of these systems, refer to www.clarkdietrich.com/MaxTrak.

Sustainability Credits:

For more details and LEED letters contact Technical Services at 888-437-3244 or visit www.clarkdietrich.com/LEED
LEED v4 MR Credit – Building Product Disclosure and Optimization: EPD (1 point) - Sourcing of Raw Materials (1 point) - Material Ingredients (1 point) - Construction and Demolition Waste Management (up to 2 points) - Innovation Credit (up to 2 points).
LEED 2009 Credit MR 2 & MR 4 -- ClarkDietrich's steel products are 100% recyclable and have a minimum recycled content of 34.2% (19.8% post-consumer and 14.4% pre-consumer). If seeking a higher number to meet Credit MR 5, please contact us at (info@clarkdietrich.com / 888-437-3244)

05.40.00 (Cold-Formed Metal Framing)



- Allows up to 1-1/2" (3/4" +/-) vertical deflection
- Intertek CCRR-0205
- UL Approved 1 & 2 hour systems
- Guideline at center of vertical slots

Calculating slip track point load:

Point Load (P) =
(wind pressure PSF) x (spacing FT) x (wall stud length FT) / 2

Example 1: (5 PSF) x (1.33 FT) x (9.5 FT) / 2 = 31.7 lbs.

Project Information

Name:
Address:

Contractor Information

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Architect Information

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