



RCSC Annual Meeting

Friday, June 7, 2019 - Radnor Hotel, Wayne, Pennsylvania

Final Meeting Minutes

1. 8:00 am Welcome - Call to order (S. Brahim)
2. Welcome and Introductions (S. Brahim)
 - a. Opening comments and circulation of Attendance Sheet (see attached) (S. Brahim)
 - b. Quorum established (J. McGormley)
 - c. Thank you and welcome (M. Friel)
3. Approval of the Meeting Agenda (S. Brahim)
 - a. Motion: *Approve 2019 meeting agenda as modified* - C. Larson, 2nd GA Rassati; Passed
4. Approval June 2018 Annual Meeting minutes (S. Brahim)
 - a. Motion: *Approve June 8, 2018 minutes with correction to J. Yura's name* - T. Anderson, 2nd V Shneur; Passed
5. Chairperson's Report (S. Brahim)
 - a. Executive Committee Report
 - i. Discussion on Specification approval approach
 - b. Nominating Committee - Curtis Mayes and Jim Swanson re-elected as directors.
 - c. Liaison Report
 - d. Plan for Specification revision at Annual Meeting
 - i. Previously approved ballot items to be accepted per Bylaws at Annual Meeting by 3/4 of eligible members in attendance.
 - ii. Voting threshold will also apply to modifications to balloted items to address negatives presented by Task Groups.
 - iii. New Specification proposals will be addressed under New Business.
6. Secretary/Treasurer's Report (J. McGormley)
 - a. Membership
 - i. Current Council roster consists of 69 members. One new member added with four retirements from the Council. (see attached membership summary)
 - ii. Thanks to past Chair A. Harold for his work on the Council. A. Harold has resigned from the Council as part of his retirement.
 - iii. Latest membership roster maintained on Google Drive and updated periodically on RCSC website.
 - b. Financials:
 - i. Discussion on Council financials. Working to reconcile an inconsistency in 2018 account ledger. (see attached financial summary with updated ledger)
 - ii. Motion: *Approve Financials as noted* - T. Anderson, 2nd G. T. Ude; Passed

7. Specifications Committee (L. Kruth)
 - a. Thank you to GA Rassati for all his efforts compiling the ballots and ballot results.
 - b. All TGs met and made good progress towards resolving negative comments.
 - c. Refer to the attached Motions Table for a summary of all Specification-related motions voted on during the Annual Meeting.
8. Other Committee Activities
 - a. Spending Committee Report (T. Ude)
 - i. Video RFP resulted in one proposal for a multi-part series from SSTC (Robert Shaw) in collaboration with NSBA and High Steel.
 - ii. AGA Galvanizing report reviewed with comments sent back to the author.
 - iii. Received three responses to RFP on slip in galvanized surfaces.
 - iv. 3rd Edition of the Guide ongoing into 2020.
 - v. D_u factor proposal submitted by University of Cincinnati will not be funded by RCSC.
 - b. Editorial Committee Report (T. Schlafly)
 - i. No report
9. Old Business (S. Brahim)
 - a. RCSC to develop conflict of interest policy
10. New Business
 - a. L. Kruth requested that RCSC members assist with bolting demonstrations as part of student steel bridge regional competitions.
11. Location and Dates for 2020 Annual Meeting (S. Brahim)
 - a. Motion: *Approve 2020 Annual Meeting in Chicago, Tuesday-Thursday, June 2-4, 2020* - C. Curven, 2nd J. Ocel; Passed
 - b. Back-up date is June 9-11
12. 1:17 pm Adjournment (S. Brahim)
 - a. Motion: *To adjourn* - T. Anderson, 2nd GA Rassati; Passed

Prepared by: Jonathan C. McGormley, RCSC Secretary

**Table 1 - Summary of RCSC Annual Meeting Specification Motions
Radnor Hotel
June 6, 2019**

Motion No.	Motion	Name	2nd	Total Eligible	For	Against	Abstain	Result	Comment
1	Approve portions of second ballot in April that received no negatives.	L. Kruth	G.A. Rassati	35	34	1	0	Passed	Items will be incorporated into new Spec.
2	Weekly verification of installation tool is sufficient as written and find negative non-persuasive.	R. Shaw	T. Anderson	35	18	15	2	Failed	TG to revise considering neg. comments
3	Use Group 120 and 150 bolts with combined method as written and find negative non-persuasive.	J. Ocel	R. Shaw	35	18	7	10	Failed	TG to revise considering neg. comments.
4	Find negative non-persuasive based on EOR can already suspend requirement and offsite testing may not represent field conditions.	T. Anderson	V. Shneur	36	35	0	1	Passed	Item will be incorporated into new Spec.
5	Accept proposed change in 9.2.4 language.	D. Kaufman	G.A. Rassati						Withdrawn
6	Accept proposed change in language for 9.0.	D. Kaufman	R. Shaw	36	35	0	1	Passed	Item will be incorporated by TG 5 into new Spec.
7	Accept proposed change in language for C9.2.1.	D. Kaufman	R. Shaw	36	31	0	5	Passed	Item will be incorporated by TG 5 into new Spec.
8	Accept proposed change in language for C9.2.4.	D. Kaufman	T. Anderson	36	35	1	0	Passed	Item will be incorporated by TG 5 into new Spec.
9	Accept proposed change in language for C9.2.5.	D. Kaufman	G.A. Rassati	36	34	0	2	Passed	Item will be incorporated by TG 5 into new Spec.
10	Accept proposed change in language for 9.2.5.	D. Kaufman	T. Anderson	36	36	0	0	Passed	Item will be incorporated by TG 5 into new Spec.
11	Accept proposed change in language for 9.2.3.	D. Kaufman	R. Shaw	36	36	0	0	Passed	Item will be incorporated by TG 5 into new Spec.
12	Accept proposed change in C9.2.2 & 8.2.2 language as provided by D. Kauffman.	D. Kaufman	T. Anderson	36	32	0	4	Passed	Item will be incorporated by TG 5 into new Spec.
13	Accept change from "No" in Table 4.1. to "If req'd to resolve dispute."	J. Swanson	G.A. Rassati	36	11	7	16	Failed	TG 3 to revise.
14	Accept change from "Yes" to see 3.2.2.	J. Swanson	V. Shneur	36	30	0	6	Passed	Item will be incorporated by TG 3 into new Spec.

15	Change wording in C5.1.	J. Swanson	T. Anderson	36	33	0	3	Passed	Item will be incorporated by TG 3 into new Spec.
16	Change D_u = a value of 1.13 has typically been applied in building design and 1.0 in bridge structures. Other values....” per 5.4.	J. Swanson	G.A. Rassati	36	32	0	4	Passed	Item will be incorporated by TG 3 into new Spec.
17	Change footnote location in T5.2 to commentary.	J. Swanson	H. Mitchell	36	35	0	3	Passed	Item will be incorporated by TG 3 into new Spec.
18	Appendix A Section A1.2.1 regarding time interval commentary and code change.	J. Swanson	R. Shaw	35	30	0	5	Passed	Item will be incorporated by TG 3 into new Spec.
19	Appendix A Section A3.6 wording change.	J. Swanson	G.A. Rassati	35	33	0	2	Passed	Item will be incorporated by TG 3 into new Spec.
20	Glossary change to calibrated device.	G.A. Rassati	V. Shneur	34	34	0	0	Passed	Item will be incorporated by TG 1 into new Spec.
21	Move requirements from 2.2 to 1.6.	G.A. Rassati	T. Anderson	34	26	8	0	Passed	Item will be incorporated by TG 1 into new Spec.
22	Define combined pretensioning method.	G.A. Rassati	D. Sharp	34	32	0	2	Passed	Item will be incorporated by TG 1 into new Spec.
22	Eliminate F3148 for spline-drive bolts.	G.A. Rassati	V. Shneur	34	32	0	2	Passed	Item will be incorporated by TG 1 into new Spec.
23	Add initial torque definition.	G.A. Rassati	V. Shneur	34	33	0	1	Passed	Item will be incorporated by TG 1 into new Spec.
24	QC requirement to verify.	G.A. Rassati	J. Chadee	34	33	0	1	Passed	Item will be incorporated by TG 1 into new Spec.
25	D_u change.	G.A. Rassati	V. Shneur	34	32	0	2	Passed	Item will be incorporated by TG 1 into new Spec.
25	Change bolt storage definition.	G.A. Rassati	V. Shneur	34	34	0	0	Passed	Item will be incorporated by TG 1 into new Spec.
26	Change definition for threads excluded.	G.A. Rassati	T. Anderson	33	33	0	0	Passed	Item will be incorporated by TG 1 into new Spec.
27	Change definition for snug tight for combined method.	G.A. Rassati	T. Anderson	32	32	0	0	Passed	Item will be incorporated by TG 1 into new Spec.
28	Change commentary text about thermal breaks.	G.A. Rassati	V. Shneur	29	29	0	0	Passed	Item will be incorporated by TG 1 into new Spec.

29	Find neg. non-persuasive regarding Table 2.2 for permitted coatings because RCSC has permitted these in the past on spline-drive bolts.	T. Anderson	G.A. Rassati	29	8	8	13	Failed	TG 2 to revise considering neg. comments.
30	Accept proposed modifications to Section 2.	T. Anderson	V. Shneur	28	28	0	0	Passed	Item will be incorporated by TG 2 into new Spec.
31	Accept proposed modifications to Section 3.	T. Anderson	J. Chadee	24	22	0	2	Passed	Item will be incorporated by TG 2 into new Spec.



Research Council on Structural Connections (RCSC)

AGENDA Annual Meeting

Date: Friday, June 7, 2019
Time: 10:00 AM - 2:00 PM
Place: Radnor Hotel, Wayne, PA
Room: Barnes Room

RCSC Committee Organizational Structure

Chair: **Salim Brahim**

Vice-Chair: **Robert Shaw**

Secretary-Treasurer: **Jonathan McGormley**

Directors: **Toby Anderson, Curtis Mayes, Carly McGee, Tom Schlafly, James Swanson, Todd Ude**

Committee A.1 – Specifications - **Larry Kruth**

Task Group 1 - General Requirements - **G.A. Rassati**

Task Group 2 - Products and Parts - **Toby Anderson**

Task Group 3 – Design - **James Swanson**

Task Group 4 – Installation - **Heath Mitchell**

Task Group 5 – Inspection - **Dan Kaufman**

Committee A.2/4 - Research, Education and Projects - **Todd Ude**

Committee A.3 - Membership and Funding - **N/A**

Committee A.5 - Organizational Liaison - **Salim Brahim**

Committee B – Editorial - **Tom Schlafly**

Staff support - **Rachel Jordan** (AISC)

RCSC Mission: To stimulate and support such investigations as may be deemed necessary and valuable to determine the suitability and capacity of various types of mechanically fastened structural connections, to promote the knowledge of reliable design criteria, to promote the use of reliable economical and efficient practices in the fabrication and assembly of such structural connections, and to prepare and publish related standards, educational bulletins and other documents necessary to achieving its purpose.

1. Call to order
2. Welcome and introductions
 - a. Declaration of quorum
3. Approval of agenda
4. Approval of minutes from last meeting (June 8, 2018, St. Louis, MO)
5. Chairperson's report: Salim Brahimil
 - a. Executive Committee Report
 - b. Nominating Committee
 - c. Plan for revision
 - d. Liaison Report
6. Administrative Reports:
 - a. Membership roster report: Jon McGormley
 - b. Financial Report: Jon McGormley
7. Specification: Larry Kruth
 - a. Status update from the last ballot cycle
 - b. Procedures and negative resolution.
 - c. Ballot plan following meeting
8. Other Committee Activities
 - a. Committee A.2/4 - Research, Education and Projects - **Todd Ude**
 - b. Committee B – Editorial - **Tom Schlafly**
9. Old Business
 - a. RCSC "conflict of interest" policy
10. New Business
 - a. TBD
11. Next meeting:

June 2020 – Location and date to be decided
12. Adjourn

RCSC Paid Membership as of June 7, 2019

Total	Producers	Distributors	Users	Association	General Interest	Life Members	Total Voting
69	11	3	10	6	36	3	68

() not paid

New Members

Ronnie Medlock

Departing Members

Bruce Bulter
Allen Harrold
Eugene Mitchell
William Thornton

Members Lost

RCSC Annual Financial Report

Fiscal Year 2018

Ending December 31, 2018

Starting Balance

Total

As of January 1, 2018 \$ 339,972.59

Savings	\$	315,609.21
Checking	\$	22,363.38
Annual Meeting Hotel Deposit	\$	2,000.00

Income

Research Contributions \$ 41,700.00

2018 Annual Meeting \$ 7,600.00

Registration	\$	5,100.00
Sponsorship	\$	2,500.00

Interest Income \$ 94.70

Cash	\$	94.70
Savings	\$	-

Total Income **\$ 49,394.70**

Expenses

Bank/Paypal Fees \$ (676.35)

IT Maintenance \$ -

Accounting/Taxes \$ (635.00)

Office Supplies \$ -

2018 Annual Meeting \$ (14,551.93)

2019 Annual Meeting

Research Payments \$ (10,000.00)

Total Expenses **\$ (25,863.28)**

Net Income (Loss) **\$ 23,531.42**

Adjustment \$ (610.31)

Total Assets

As of December 31, 2018 \$ 362,893.70

Savings	\$	315,703.91
Checking	\$	47,189.79
Annual Meeting Hotel Deposit	\$	-

RCS Membership List by Member Last Name

First	Last	Company	Street/POB	City, St, Zip	Phone	Fax	E-mail	Group	Voting Member	Paid 2018	Present (Initials)
Toby	Anderson	Bay Bolt	4610 Malet Street	Oakland, CA 94601	510-532-1188	510-532-3947	baybolt@peachell.net	Producer	Yes	Yes	✓
Rodney L.	Baxter	Thomson Tomasetti	330 N. Wabash Ave. Suite 1500	Chicago, IL 60611	312-598-2218	312-598-2001	Robaxer@thomson.com	General Interest	Yes	Yes	
Jason C.	Bell	Highway Systems Incorporated	1749 CR 625 E	Sumterville, FL 33585	352-748-4256	866-252-2591	jasbell@highwaysystemsinc.com	User	Yes	Yes	
Peter C.	Birkmoer	University of Toronto	19 Tetterhall Rd.	Toronto, Ontario M5S 1A4	416-232-2330		peter.birkmoer@utoronto.ca	Life Member	Yes	Yes	✓
David	Bogaty	Ingenium Professional Services, Inc	136 S. Illinois Ave.	Oak Ridge, TN 37830	865-272-3213 (office)	865-621-8049	dbogaty@att.net	General Interest	Yes	Yes	✓
Brian	Goldsmith	Skidmore Winham	30340 Solon Industrial Pkwy	Solon, OH 44139	216-481-4774 ext. 107		bgoldsmith@skidmore-wilham.com	Producer	Yes	Yes	✓
Rich	Brown	Consultant	6383 Oak Tree Blvd.	Independence, OH 44131-2500	315-431-7028		rbrown@verizon.net	Association	Yes	Yes	✓
Chad T.	Case	Kiewit Infrastructure Co.	470 Chestnut Ridge Road	Langhorne, PA 19047	712-907-0459		chadcase@kiewit.com	General Interest	Yes	Yes	✓
Derrick	Castle	The Sherwin Williams Company	809 Gumpowder Drive	Woodcliff Lake, NJ 07677	913-481-0612		derrick.castle@sherwin.com	General Interest	Yes	Yes	✓
Jason	Chadee	Joint Apprentices Committee Ironworkers Locals	43523 36th Street	Astoria, New York 11038	347-992-4936		chadcastee@nyironworkers.org	Producer	Yes	Yes	✓
Helen	Chen	American Iron and Steel Institute	1140 Connecticut Avenue, NW	Washington, D.C. 20036	202-452-7134	202-452-1039	hchen@steel.org	General Interest	Yes	Yes	✓
Robert J.	Connor	Purdue University	590 Stadium Mall Drive	West Lafayette, IN 47907-2051	765-496-8272	765-494-9886	robconnor@purdue.edu	Association	Yes	Yes	✓
Bastian	Conrath	Spectrum Forensics LLC	3773 S. Jason St. #2	Englewood, CO 80110	303-503-0411		bastianc@spectrumpc.com	General Interest	Yes	Yes	✓
Chris	Deval	Applied Bolting Technology	1413 Rockingham Road	Worth Falls, VT 05101	205-616-5734	205-271-2482	chrisedval@appliedbolting.com	Producer	Yes	Yes	✓
Nick E.	Duval	Wirth House of Threads Inc.	144 Industrial Drive	Birmingham, AL 35211	503-725-9556	503-725-9550	neduval@wirthhouseofthreads.com	Distributor	Yes	Yes	✓
Peter	Dusicka	Portland State University Civil and Env. Eng.	P.O. Box 751	Portland, OR 97207	205-879-2036	205-879-5642	pdusicka@psu.edu	General Interest	Yes	Yes	✓
Douglas B.	Fennell	Fennell Engineering, Inc.	15 Southlake Lane, #300	Birmingham, AL 35244	205-879-2036	205-879-5642	dfennell@fennellengineering.com	General Interest	Yes	Yes	✓
John W.	Fisher	Lehigh University - ATSSS Center	6005 Ivy Hills Drive	Austin, TX 78759	512-633-7544		john.fisher@lehigh.edu	Life Member	Yes	Yes	✓
Michael C.	Frank	NSBA	1181 Unity Street	Philadelphia, PA 19124-3196	215-637-8700	215-637-5569	mcfreel@haydonbolts.com	Association	Yes	Yes	✓
Kefi H.	Friel	Haydon Bolts, Inc.	P.O. Box 429	Grass Lake, MI 49240	314-389-7500	314-389-7510	kefifriel@haydonbolts.com	Producer	Yes	Yes	✓
Albert	Gelies	Doerken Corporation	2000 Access Road	Madison, IL 62060	212-989-2853	212-989-4017	albert.gelies@doerkenusa.com	Producer	Yes	Yes	✓
Bill	Germuga	St. Louis Screw & Bolt	360 Huntington Avenue (Civil & Env. En)	New York, NY 10010	617-373-5242	617-373-4419	bill.germuga@stlouiscrewandbolt.com	Producer	Yes	Yes	✓
Rodney D.	Gibble	Rodney D. Gibble Consulting Engineers	1945 E. 8th Street	Boston, MA 02115	713-721-2200	713-721-2206	rod.gibble@rdgengineers.com	General Interest	Yes	Yes	✓
Jerome F.	Hallar	Northeastern University	10100 Burnet Road, Bldg 177	Chicago, IL 60617	512-232-2239	512-471-1944	jerome.hallar@neu.edu	General Interest	Yes	Yes	✓
Robert A.	Hay III	Flood Testing Laboratories	1066 Westridge Drive	Napa, CA 94558	312-870-7523	312-870-7523	rob.hay@floodlabs.com	General Interest	Yes	Yes	✓
Robert A.	Hay III	University of Texas at Austin	130 East Randalph - Suite 2000	Chicago, IL 60601	727-282-5058	720-554-0909	rob.hay@utexas.edu	General Interest	Yes	Yes	✓
Todd	Helwig	REVISOR	4701 Fall Creek Drive	San Angelo, TX 76904-7014	952-890-7700	952-890-3544	todd.helwig@revisor.com	Association	Yes	Yes	✓
Charles J.	Kanapicki	QMC	130 East Randalph - Suite 2000	Chicago, IL 60601	727-282-5058	720-554-0909	ckanapicki@qmc.com	General Interest	Yes	Yes	✓
Daniel J.	Kaufman	AISC	130 East Randalph - Suite 2000	Chicago, IL 60601	727-282-5058	720-554-0909	dkaufman@aisc.org	Association	Yes	Yes	✓
James S.	Kennedy	American Galvanizers Association	6881 S. Holly Circle, Suite 108	Chicago, IL 60612	952-890-7700	952-890-3544	jkennedy@galvanizeit.org	Association	Yes	Yes	✓
Lawrence J.	Langill	American Galvanizers Association	3500 West Highway 13	Burnsville, MN 55337-1795	405-297-7541	405-236-4842	lawrence@galvanizeit.org	Distributor	Yes	Yes	✓
Thomas J.	Larson	LeJume Bolt Company	1730 West Reno	Oklahoma City, OK 73106-3299	915-594-0510	915-594-0510	tom.larson@lejume.com	General Interest	Yes	Yes	✓
Chad M.	Larson	W.W. Steel, LLC	915 S. Old US 23	Brighton, MI 48114	985-232-5356		chad.larson@wsteel.com	General Interest	Yes	Yes	✓
Bill R.	Lindsay II	F. Lissner NDT, LLC	501 Steel	Overland, IA 51510	970-203-2591	970-203-2596	bill.lindsay@flissner.com	General Interest	Yes	Yes	✓
Forrest	Lissner	PV Steel	1171 Des Moines Avenue	Lowland, IA 51510	412-788-1300	412-788-1306	forrest.lissner@pvsteel.com	User	Yes	Yes	✓
Mike	Manan	L.P.R. Construction	330 Pineson Drive	Pittsburgh, PA 15275	847-272-7400	847-291-4813	mike.manan@lprconstruction.com	User	Yes	Yes	✓
Carly	McCormick	McGehee	115 Technology Drive	Pittsburgh, PA 15275	717-209-4647	717-293-4061	carly.mccormick@mcgehee.com	General Interest	Yes	Yes	✓
Jonathan C.	McGee	Wiss, Janney, Elstner Assoc.	1915 Old Philadelphia Pike	Northbrook, IL 60062-2085	510-594-0510	510-594-0510	jonathan.mcgee@wjel.com	General Interest	Yes	Yes	✓
Thomas J.	Medlock	Medlock	4862 Constatic Dr.	Cypress, CA 90630	610-356-6429		tom.medlock@medlock.com	General Interest	Yes	Yes	✓
Ronnie K.	Mechka	Alta Vista Solutions	PO Box 293	Greenfield, NH 03047-0182	603-547-5801		ronnie.mechka@altavista.com	General Interest	Yes	Yes	✓
Heath E.	Mitchell	G.W.Y. LLC	929 West Adams St	Chicago, IL 60607	610-356-6429		heath.mitchell@gwy.com	General Interest	Yes	Yes	✓
James	Neely	Walsh Group	7826 Cowan Ct	Orlando, FL 32825	513-556-3686	513-556-2599	neely@walshgroup.com	User	Yes	Yes	✓
Christina	Noveral	Federal Highway Administration	765 Baldwin Hall	Cincinnati, OH 45221-0071	802-460-3100	802-460-3104	christina.noveral@fhwa.gov	General Interest	Yes	Yes	✓
Justin	Ocel	University of Cincinnati	1413 Rockingham Road	Bethlehem, PA 18020	610-356-6429		justin.ocel@uc.edu	General Interest	Yes	Yes	✓
Gian A.	Rasati	HYTORC	4211 Campbell Drive	Bethlehem, PA 18020	608-986-7713	608-986-7713	gian.rasati@hytorc.com	General Interest	Yes	Yes	✓
Jordan	Richardson	Applied Bolting Technology	130 East Randalph - Suite 2000	Chicago, IL 60601	312-870-5412	312-870-5412	jordan.richardson@hytorc.com	Producer	Yes	Yes	✓
Sougata	Roy	Ruglers	H. 1988 HWY 58	LaVale, WI 53941	608-986-7713	608-986-7713	sougata.roy@rugglers.com	General Interest	Yes	Yes	✓
Garland E.	Schroeder	Fish & Associates, Inc.	20345 County Road 23	Winona, MN 55987	507-453-8188	507-453-8188	garland.schroeder@fish.com	General Interest	Yes	Yes	✓
Ben	Seinola	Fastenal	41 Sevon Street, Bldg 1, Suite 500	Waltham, MA 02453	781-907-9215	781-907-9215	ben.seinola@fastenal.com	General Interest	Yes	Yes	✓
Rachel	Shanley	Simpson Gumpertz & Heger	340 E. Maple Avenue	Langhorne, PA 19047	800-525-7193	800-525-7193	rachel.shanley@shg.com	General Interest	Yes	Yes	✓
David F.	Sharp	TurnaSteel LLC	5177 Leilandau Ct.	Howell, MI 48843	734-878-9571	734-878-9571	dsharp@turnasteel.com	General Interest	Yes	Yes	✓
Robert E.	Shaw Jr.	Steel Structures Technology Center	118 West 60th Street	Minneapolis, MN 55419-0070	612-245-2358	612-861-2724	rob.shaw@steelstructures.com	General Interest	Yes	Yes	✓
Victor	Shneur	Leveune Steel Co.	1900 Summer Avenue	Cleveland, OH 44115-2851	216-241-7333	216-241-0105	vshneur@leveunesteel.com	User	Yes	Yes	✓
W. Lee	Shoemaker	Metel Building Manufacturers Assoc. (UMBA)	27282 Cemetery Road	Utica, MN 55979	507-208-0611	507-208-0611	wshoemaker@umba.com	Association	Yes	Yes	✓
Nicholas	Sovell	HDR Engineering, Inc.	244-245, Udyog Vihar Phase IV Gurgaon	Haryana	91-124-4098324		nicholas.sovell@hdr.com	General Interest	Yes	Yes	✓
Mrunalaya	Srivastava	Bechtel India Private Limited	P.O. Box 210071	Cincinnati, OH 45221-0071	513-566-3774	513-566-2599	msrivastava@bechtel.com	User	Yes	Yes	✓
Carlo	Suarez Guillard	Lohr Fasteners	5500 Maryland Way, #250	Brentwood, TN 37027	615-320-1735	615-320-0387	carlo.suarez@lohrfasteners.com	Producer	Yes	Yes	✓
James A.	Swanson	University of Cincinnati	330 Pflingsten Road	Northbrook, IL 60062-2095	847-272-7400	847-291-4813	jaswanson@uc.edu	General Interest	Yes	Yes	✓
Thomas S.	Tammy Jr.	Stanley D. Lindsey & Assoc.	931 Avenue W	Birmingham, AL 35214	205-595-3511	205-591-0244	ttammy@stanley.com	General Interest	Yes	Yes	✓
Raymond H.R.	Tide	Wiss, Janney, Elstner Assoc.	(SEE REVERSE)	Bradford, MD 21841	312-930-5264		ray.tide@wjel.com	Producer	Yes	Yes	✓
Brad	Turney	Birmingham Fastener	11 Unifite Drive	Peru, IL 61354-9710	815-224-2221	815-224-3434	brad.turney@bfast.com	General Interest	Yes	Yes	✓
Laurie	Todd	PARSONS	10100 Burnet Road, Bldg 177	Austin, TX 78758-4445	512-471-4566	512-471-1944	laurie.todd@parsons.com	General Interest	Yes	Yes	✓
Todd C.	Ude	Carver Engineering					tode@carvereng.com	General Interest	Yes	Yes	✓
Carmen	Ventullo	Unifite, Inc.					carmen.ventullo@unifite.com	General Interest	Yes	Yes	✓
Dan	Wroblecki	U of T Austin/Phil M. Ferguson Sr. Eng. Lab.					dwroblecki@univille.com	Producer	Yes	Yes	✓
Joseph A.	Yura						yura@univille.com	Life Member	Yes	Yes	✓

Brad Porter Birmingham Fastener 931 Avenue W Birmingham, AL 35214 205-945-3511 205-598-0244 brad.porter@bellsouth.net Producer

MATHEW HAAKSMA ORANGE COUNTY IRRAWOOLS, LLC 36 MAYBLOOM RD MONTGOMERY, NY 12519 845-767-6926 matthewh@ocillc.com GEN. INT. YES YES

DAVID BORNSTEIN SKIDMORE-WILHELM 20340 SOLON INDUSTRIAL PKWY, SOLON, OH 44139 216-481-4774 DBORNSTEIN@SKIDMORE-WILHELM.COM

Ben Seinola Fastenal 25863 Cherokee Rd St. Charles, MN 55972 507-313-7985 bseinola@fastenal.com Distributor YES YES BUS

SUITE 2000
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