



# ALTERNATES

Project Number 15-001

Project Title Convention Center Bartle Hall A, B, D, & E Roofing Repair

Page 1 of 1

No: 1	Description: 48" Wide FRP Crossover Walkway Bridge (sheet A1)	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$ 13,797
No: 2	Description: 1.9.B Wet Roof Drying Rider	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$ 38,667
No: 3	Description: 1.9.C Wind Warranty Rider	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$ 157,896
No:	Description:	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$
No:	Description:	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$
No:	Description:	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$
No:	Description:	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$
No:	Description:	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$
No:	Description:	<input type="checkbox"/> Add [+] <input type="checkbox"/> Deduct [-]	Price in Figures:  \$



PO Box 7594 • N. Kansas City • Missouri 64116

To Whom it May Concern,

Please find our attached Bid Proposal for the Convention Center Bartle Halls A,B,D. and E. We appreciate the opportunity to work with you on this project.

Along with our bid we have submitted the required documents and would like to outline and clarify our understanding of the project.

All OSHA requirements for fall protection will be followed, and to summarize we will have perimeter warning lines and all personnel outside these lines will be wearing harnesses and retractable lanyards. Staging of the project will be done by a fixed in place ladder on the outside of the building which prevents the need for interior access. We will also provide our own portable restroom.

I have attached a copy of our latest Experience Modification Rate and as you will notice it is quite low and that is a direct reflection upon the safety training we provide to our employees.

Our quality assurance program on this job, as well as, most of our project that have a Manufacturer's warranty issued is as follows:

- A notice of award is sent to the manufacturer outlining the warranty length, materials, details etc.
- Upon review the manufacturer will communicate their acceptance and the roofing process begins.
- During the installation, we will have the manufacturer visit the project if requested, and always at the final inspection.
- After any deficiencies are corrected, we will notify the Manufacturer and they will then issue the Warranty to the Owner.

We have not had any violation of State or Federal DBE/MBE/WBE issues nor have we been disbarred from any public bid. We are current on all State and federal withholdings and unemployment insurance premiums and have not had any litigation or arbitration that I am aware of. Our bond history is good and we have always performed and have never defaulted.

We have a rich history of compliance with the city of Kansas City, Missouri regarding MBE/ WBE goals and have exceeded the suggested goal on this project.

We did a project with the City last year at City Market where we had a Subcontractor that was doing Asbestos Abatement for us. The Sub contractor paid their labors in accordance with State Regulations as they normally do, but because this project was a re roofing project the correct pay scale was the roofer's pay scale which was higher than the Asbestos Abatement Laborer wage.

(816) 587-6148 • (800) 367-1977 • FAX (816) 746-6453

This was brought to our attention and restitution was immediately made. Since we were acting as the Prime contractor the wage violation fell upon us and not the subcontractor.

Attached you will find our experience and reference list, as well as, a list of key personnel with their resumes. Due to the fact that we have already re-roofed approximately 25% of the Bartle Hall we feel confident that we understand the project from a technical perspective, but also from the perspective of the importance of this roof and a dry installation means to all parties within the City. No roofing will be exposed over night in a non watertight state. Please find attached our Base bid Schedule.

**Our Key Personnel are as follows:**

Project Manager: Linn Fredlund

Superintendent: Chris Jorgenson

Quality Control Technical Inspector: Ron Streich 2001 Co.

Safety Director: Ryan Minnick

Thank you,

A handwritten signature in black ink, appearing to read 'Linn Fredlund', written over a circular stamp.

Linn Fredlund

## Intent To Warranty (ITW)

**TO:** JR and Company, Jonathan Schilling  
**FROM:** 2001 Company, Thomas Kelly  
**DATE:** July 6, 2015  
**RE:** Roofing Repair, Halls A, B, D and E, Bartle Hall Convention Center Complex (Davidson & Associates, 06-02-15)

---

JR and Company is licensed as an Approved Applicator of the 2001 Company (SRM) WindVented roof system.

Under 1.9.A (Manufacturer/Contractor Warranty), the above listed roofing contractor is authorized to receive a Twenty (20) Year Membrane System Warranty covering material and labor warranty for full warranty term.

Under 1.9.B (Wet Roof Drying Rider), the above listed roofing contractor is authorized to receive a Twenty (20) Year Roof Drying Rider that covers the removal of any existing moisture and continual moisture management of the roof assembly for full warranty term.

Under 1.9.C (Wind Warranty Rider), the above listed roofing contractor is authorized to receive a Twenty (20) Year Wind Warranty Rider that warrants membrane will remain in place on the building to 90MPH for full warranty term.

Warranty issuance is conditioned upon contractor completion of the roof installation, final inspection by SRM and payment of all outstanding invoices. The 2001 Company will provide technical support as needed and a final inspection for the issuance of the specified warranties.

All applicable 2001 Company published guidelines and details must be followed. Exceptions cannot be made without written approval from a 2001 Company technical manager.

Thank you,



Thomas L. Kelly  
President, 2001 Company



# EXPERIENCE AND REFERENCE SUMMARY

Project Number: 15-001

Project Title: CONVENTION CENTER BREWER HALL A, B, D & E ROOFING PERIOD

Firm's Legal Name	<u>JR &amp; CO.</u>
Mailing Address	<u>1142 CLAY N. KANSAS CITY, MO. 64116</u>
Contact - Name & Email	<u>LYNN FREDLUND lynn@jrproofinginc.com.</u>
Contact - Phone & Fax	<u>816-797-5279 816-746-6453</u>

NO.	PROJECT & LOCATION	OWNER NAME & ADDRESS CONTACT & PHONE NUMBER	PROJECT DURATION & DATE COMPLETED	\$ VALUE
1.	<u>SEE ATTACHMENT</u>	<u>with UST</u>		
2.				
3.				
4.				
5.				
6.				
7.				
9.				
10.				



## References

JOB NAME	JOB ADDRESS	ROOF TYPE	INSTALL DATE	SQ. FT.	CONTACT	PHONE
A.C. Printing Building LLC	1475 North Winchester Olathe, KS	TPO Mechanically Fastened 45mil	11/15/2011	15,172	Gregg Russell	913.558.9918
Able Auto (Hail Storm Damage)	837 Osage Ave. Kansas City, KS	Carlisle TPO Mech Fasten (45mil)	4/29/2011	5,249	Rob Greimer	913.321.1030
Aileen Quirk & Sons	235 W. 12th Ave., Kansas City, MO	PVC Wind Ballast (50 mil)	5/19/2006	30,000	Kelly & Larry Quirk	816.471.4580
Aileen Quirk & Sons	235 W. 12th Ave., Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	4/25/2006	767	Kelly & Larry Quirk	816.471.4580
Aldersgate United Methodist Church (Hail Damage)	15315 W. 151st St. Olathe, KS	GAF 30YR Laminated	9/27/2011		Kevin Dieckman	913.764.7560
Allen Press	800 E. 10th, Lawrence, KS	PVC Wind Ballast (50 mil)	10/10/2005	45,815	Mark Hanley	785.843.1234
Allen Press (Hail Storm Damage)	800 E. 10th, Lawrence, KS	Sarnafil PVC (45mil) Mech Fasten	6/30/2011	45,815	Kevin Finch	785.843.1234
Allen Village School	706 W. 42nd St. Kansas City, MO	PVC Fully-Adhered (80 mil)	5/27/2009	13,419	Jessie Dill	816.931.0177
Alpha Gamma Rho National Headquarters	10101 N. Ambassador Dr, Kansas City, MO	PVC Wind Ballast (60 mil)	10/15/2008	4,691	Philip Josephson	816.891.9200
Alpine Lithographics	8640 Troost Ave, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened (50mil)	6/10/2008	30,000	Cliff Johnson	816.523.7353
Alpine Lithographics	8640 Troost Ave, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	6/10/2008	30,000	Cliff Johnson	816.523.7353
American Garter & Sheet & Sheet Metal (Hail Damage)	525 A.N. Lindenwood, Olathe, KS	TPO Retrofit Wind Ballast (45mil)	3/2/2012	5,311	Wayne Whitworth	913.484.7999
American Garter & Sheet & Sheet Metal (Hail Damage)	1465 N. Winchester Olathe, KS	TPO Retrofit Wind Ballast (45mil)	3/2/2012	7,782	Wayne Whitworth	913.484.7999
Armistead Rail Company, Inc.	2604 Industry Street, Atchison, KS 66002	TPO 60mil Wind Ballast Mech Retro	10/28/2014	520,000	Evan Bryant	757.268.9092
Andre's	5018 Main St., Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	6/22/2002	5,854	Marcel Bollier	816.561.3440
Anne Baxter Community Ctr (Tornado Storm Damage)	2312 Annie Baxter Joplin, MO	Duro Last 50 mil PVC Mech Fasten (50mil)	10/6/2011	7,761	Blue Sky Restoration	303.789.4258
Antioch Woods Apts	8710 W 106th Terr, Overland Park, KS	PVC Mechanically Fastened (48 mil)	9/23/2007	7,034	Susan Chocho	210.690.2550
Antioch Woods Apts	8718 Antioch Rd, Overland Park, KS	Sarnafil PVC (60mil)	4/20/2010	1,932	Brandy Spending	913.381.2801
Argosy Casino	777 Argosy Parkway Riverside, MO	Numerous Repairs since 2007			Tom Paschall	816.746.3730
Arkema	820 D. 14th Ave. North Kansas City, MO	PVC Mechanically Fastened	9/21/2011	45,000	Shawn Torrez	816.391.6064
Artistic Barber Shop	6032 Troost, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	5/21/2003	1,610	Louis Smith Sr.	816.523.4115
At Home Apartments of K.C.	5959 Woodson Road, Mission, KS	Duro Last 50mil PVC Mech F	6/15/2005	9,652	Scott Osburn	913.208.4933
At Home Apartments of K.C.	5959 Woodson Road, Mission, KS	Duro Last 50 mil PVC Mech Fastened	6/15/2005	9,652	Scott Osburn	913.208.4933
Avery Hair Salon	7144 Wornall Road, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	12/3/2003	997	Eleanor Avery	816.361.7144
B.E. Tek Computers, Inc.	7320 Wornall Road, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	12/12/2002	2,738	Chris Baier	816.444.4424
Bertle Hall	301 West 13th St, Kansas City, MO	TPO 60mil Wind Ballast	2/13/2015	110,000	Dean Burrett	816.918.4490
Basehor Fire Department	2700 N. 155th, Basehor, KS	Duro Last 50 mil PVC Mech Fastened	7/28/2003	5,192	Roger Brandt	913.238.2155
Beaverdale Estate	4610 Douglas Avenue, Des Moines, IA	Duro Last 50 mil PVC Mech Fastened	9/22/2003	4,849	Art Rijkse	515.278.1715
Benedictine College	1020 N 2nd Street, Atchison, KS 66002	Duro Last 50 mil PVC Mech Fastened	5/28/2010	13,502	Matt Fassero	913.360.7420
Best Western	501 S.W. Boulevard, Kansas City, KS	PVC (60mil)	1/10/2005	17,946	Mike Booth	913.677.3060
Beth Haven Church (Hail Storm Damage)	4810 N. Elmwood, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	4/4/2000	6,319	Jane Roney	816.454.2259
Beth Haven Church (Hail Storm Damage)	4810 N. Elmwood, Kansas City, MO	PVC Mechanically Fastened	9/17/2011	5,428	Pamela Tucker	816.454.2259
BHJ Investments - Thrift Store	520 County Line Rd., Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	9/1/1999	13,216	Gary Schaal	913.530.9121
Boulevard Center Building	8645 College Blvd., Overland Park, MO	Duro Last 50 mil PVC Mech Fastened	8/20/2003	7,952	Shawn Michael	816.215.3345
Breen Development	5800 N.W. Prairie View Rd., Kansas City, MO	PVC Mechanically Fastened (60 mil)	5/28/2005	2,452	Susan Breen Silvy	816.741.1550
Brighton Amusement	5038 E 9th, Kansas City, MO	TPO	11/30/2005	9,935	Felicity Colson	816.419.6614
Broadway Church	3931 Washington St., Kansas City, MO	PVC Wind Ballast (50 mil)	7/15/2007	5,800	Kurt Anderson	816.561.3274
Brookhollow	11751 W. 86th Ter., Lenexa, KS	Duro Last 50 mil PVC Mech Fastened	6/12/2001	11,754	Don Goff	816.348.0765
Brookhollow - Building 3	8260 Nieman Rd, Lenexa, KS	TPO 45mil Wind Ballast	2/5/2015	24,700	Tom Novak	913.384.3800
Brown & Co. (New Construction)	2604 NE Industrial Drive #240 KCMO	PVC (60mil) Fibertite Mech Fasten	10/7/2011	50,100	Matt Brown	816.741.0452
Burn's Printing	1601 East Park St., Olathe, KS	PVC Wind Ballast (60 mil)	5/19/2007	10,481	John Burnell	913.782.0321
Butler Muffler Co.	220 N. 5th Street, Leavenworth, KS	Duro Last 50 mil PVC Mech Fastened	2/2/2005	3,664	Dave Norwood	913.682.8443
Canaan Worship Center	5333 East Bannister Road, Kansas City, MO	TPO 45mil Wind Ballast	4/1/2014	46,848	Tony Cobbins	816.500.0300
Canfield & Joseph	830 Armourdale Parkway, Kansas City, KS	PVC Wind Ballast (60 mil)	2/22/2006	18,285	Vicki Brock	913.621.1320



## References

JOB NAME	JOB ADDRESS	ROOF TYPE	INSTALL DATE	SQ. FT.	CONTACT	PHONE
Canton School District	200 S 4th St. Canton, MO 63435	PVC Wind Ballasted (80mil)	8/13/2009		Linda Hayes	636.230.0843
Casa Montez Lounge (Tornado Storm Damage)	2324 S. Range Line Rd Joplin, MO	TPO Mech Fasten (45mil)	6/24/2011	6094	Blte Sky Restoration	303.789.4258
Charles Ball Market	1816 Central Ave., Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	9/13/2004	17,635	Charles Ball	913.449.6718
Cherokee Regional Medical Center	300 Sioux Valley Drive, Cherokee, IA	TPO	8/24/2007		Dick Robinson	712.225.3368
Chouteau Heights	5119 / 5135 Chouteau Trfy, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	11/20/2006	4,704	Jason Charcut	913.706.9982
City of Independence	100 Pearl Street, Independence, MO	60mil Carlisle TPO Mech Fastened	5/14/2007	10,000	William Simms	816.325.6250
City Market	20 West 5th Street, Kansas City, MO	PVC 60mil Wind Ballast	3/20/2014	78,000	Curt Furtvove	816.513.2380
Cleveland Chiropractic	8205 W. 108th Terrace, Overland Park, KS	PVC Wind Ballast (50 mil)	8/1/2007	24,770	Frank Hanney	816.365.5671
Coinmach	1414 Benton Blvd., Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	10/7/1999	12,024	Steve Rau	816.483.4300
Collis Construction	401 Prairie Village Dr., New Century, KS	Duro Last 50 mil PVC Mech Fastened	5/10/2004	12,766	David Collis	913.780.6526
Concerned Care (Wind Storm Damage)	320 Armour Rd. North Kansas City, MO	Carlisle TPO Mech Fasten (45mil)	9/29/2011	10,337	Greg Kinkead	816.474.3026
Danisco Foods	201 New Century Parkway, KS	Fibertite 50 mil Mechanically Fastened	4/7/2011	10,000	Bob Douglas	913.738.3468
Dean Realty	100-114 Abbie, Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	12/15/2005	38,153	Rodney	816.531.0800
Deerbrook Covenant Church (Storm Damage)	200 NE Tudor Rd. Lee's Summit, MO	TPO Wind Ballast (60mil)	6/4/2012	5,300	Allen Schmidt	816.914.4012
DeElliotte Co.	201 Prairie Village Drive, New Century, KS	Duro Last 50 mil PVC Mech Fastened	2/3/2003	37,517	Jim Erhart	913.764.0606
Dehoff Tool Manufacturing	1018 S. 7th Street, Kansas City, KS	PVC Wind Ballast (48 mil)	1/19/2007	3,906	Tim Dehoff	913.342.2212
Denzer Group	450/500 North Rogers Rd. Olathe, KS	Duro Last PVC (45mil)	5/1/2002	64,999	Paul Denzer	913.681.5769
Denzer Group (Hail Storm Damage)	450/500 North Rogers Rd. Olathe, KS	PVC Retrofit Wind Ballast (60mil)	4/29/2011	65,000	Paul Denzer	913.681.5770
Denzer Group (Hail Storm Damage)	520-600 N Rogers Rd. Olathe, KS	TPO Retrofit Wind Ballast (60mil)	6/21/2012	149,983	Paul Denzer	913.681.5771
Desert Stream Ministries	706 Main Street, Grandview, MO	45 Mil Carlisle TPO Wind Vented	12/21/2009	2,237	Lori Butler	816.767.1730
DOE - USEC Building X-326 & X-333	Pike-ton, OH	TPO Wind Ballast (45mil)	12/23/2010	980,000	Classified Info	
DOE - USEC Building X-342 & X-344	Pike-ton, OH	TPO Wind Ballast (45mil)	12/1/2014	595,000	Classified Info	
Door Systems	507 SW Lea Dr., Lee's Summit, MO	Duro Last 50 mil PVC Mech Fastened	9/1/1999	9,104	Jim Payne	816.524.8535
Elston Apartments	1023 W Elm Terrace, Olathe, KS	45 Mil TPO Mech F	4/29/2010	7,822	Bill Textor	913.963.5564
Emmaus Lutheran Church	12900 Kansas Ave., Bonner Springs, KS	Duro Last 50 mil PVC Mech Fastened	11/23/1999	3,890	Gaylen Burow	913.441.3243
Endoscopy Center East	3800 S Whitney Ave, Independence, MO	PVC Wind ballast (46 mil)	10/15/2008	7,411	Cheryl Pistone	816.478.4887
Englewood Baptist Church	1900 N.E. Englewood Rd., Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	4/4/2003	1,980	Jim Wood	816.436.4245
Equity Bank	8880 W. 151st. Overland Park, KS	PVC 60mil Wind Ballast & Standing Seam	1/3/2012		Steve Kelley	913.530.3259
Fire District #1 ~ Station 1	234 E Park Street, New Century, KS	60 Mil TPO	10/9/2009	2,727	Dennis McGuire	913.782.7023
Fire District #1 ~ Station 2	400 E 3rd, Edgerton, KS	60 Mil TPO	10/9/2009	2,750	Dennis McGuire	913.782.7023
Fire District #1 ~ Station 3	490 New Century Pkwy, New Century, KS	60 Mil TPO	10/30/2009	11,448	Dennis McGuire	913.782.7023
First Baptist Church of Grandview	1416 Main Street, Grandview, MO	Duro Last 50 mil PVC Mech Fastened	11/4/2003	120	Sandy Malone	816.763.2200
First Baptist Church of Shawnee	11400 Johnson Dr., Shawnee, KS	Duro Last 50 mil PVC Mech Fastened	7/9/2002	748	Skip Phelps	913.268.6500
First Christian Church of N.K.C.	2018 Gentury, N. Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	8/12/2003	2,717	Rick Lunsford	816.842.2341
First Church of the Nazarene	11811 State Line Road, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	6/22/2004	26,826	Darryl Bennett	816.942.9022
Forbo Adhesives	3150 Fiberglass Road, Kansas City, KS	Fibertite Mech Fasten (50mil)	12/1/2010	8,000	Dwane Fuller	913.321.1576
Fredrick Towers (Donna Farrow)	2400 Feedrick Ave., St. Joseph, MO	PVC 60 mil	9/12/2006	6,043	Pam Morse	816.364.0100
Fremont Beef	960 S Schneider St, Fremont, NE	PVC Reverse Ballast (60mil)	7/10/2008	75,000	George Nechodomu	402.727.7200
Fry & Associates	101 E. 15th Ave., N. Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	7/22/2002	6,902	Bill Fry	816.550.6452
Garden Village Retirement	8550 N. Granby, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	1/14/2002	64,427	Ted Rychlik	816.436.5555
General Accounting Services	2024 Swift Street, N Kansas City, MO	PVC Wind Ballast (50 mil)	5/5/2006	5,030	Cindy Cleverger	816.842.5511
Good Samaritan	108 S. Thompson, Excelsior Springs, MO	PVC Wind Ballast (60 mil)	2/2/2007	5,000	Bob Gerdes	816.630.2718
Grandview Park Presbyterian	1613 Wilson Boulevard, Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	2/13/2006	3,429	Rick Barends	913.371.6431
Great Plains Federal Credit Union(Tornado Damage)	2308 S. Rangeline Rd. Joplin, MO	Carlisle TPO Mech Fasten (60mil)	9/21/2011	14,980	Nate Stahl	620.704.3681



Legend: 2001 & Co Wind Ballast Roofing System

## References

JOB NAME	JOB ADDRESS	ROOF TYPE	INSTALL DATE	SQ. FT.	CONTACT	PHONE
Green Acquisition, LLC (Greenmill II)	331 N. W. Capital Drive, Lee's Summit, MO	Duro Last 50 mil PVC Mech Fastened	6/21/2004	8,778	Terry Green	816.554.3352
Greenmill II	26550 Colbern Rd., Lee's Summit, MO	Duro Last 50 mil PVC Mech Fastened	7/28/2003	4,825	Terry Green	816.554.3352
Greg Jones Enterprise One	517 Gillis, Kansas City, MO	TPO Mech Fastened	10/28/2005	2,748	Greg Jones	816.830.6320
Gregg Tabernacle	1812 E. 37th Street, Kansas City, MO	PVC Mechanically Fastened (50mil)	7/29/2005	4,597	Stacey Evans	816.921.6300
Heritage Funeral Home	401 Main Street, Parkville, MO	PVC Mechanically Fastened (50mil)	5/14/2007	2,180	Keith Warner	816.741.0251
Husler & Associates	10531 Summit, Lenexa, KS	Duro Last 50 mil PVC Mech Fastened	1/16/2006	13,650	Chris Horn	913.469.6868
Husler & Associates	13520 Summit, Lenexa, KS	Duro Last 50 mil PVC Mech Fastened	4/9/2001	15,448	Carol Horn	913.469.6868
Hyatt Place Airport	7600 NW 97th Terr, Kansas City, MO	Standing Seam	11/20/2011	22,000	Stacy Dierenfeldt	816.891.0871
Hyatt Place Overland Park Convention Center	5001 W. 110th St, Overland Park, KS	Standing Seam	1/9/2011	23,000	Not completed	
Immanuel Lutheran Church	1700 Westport Road, Kansas City, MO	60 Mil TPO	40.353	1,442	Mike Boehmer	816.913.8432
Industrial Hardware	1201 Burlington St., N. Kansas City, MO	PVC Wind Ballast (50mil)	2/21/2005	23,800	Riek Simon	816.221.9700
Industrial Hardware	1202 Burlington St., N. Kansas City, MO	PVC Wind Ballast (60mil)	3/31/2011	10,004	Riek Simon	816.221.9701
Industrial Spring	4205 W Riverside St., Kansas City, MO	PVC Wind Ballast (45mil)	4/1/2010	4,485	Bob Till	816.741.6073
Jefferson County Memorial Hospital	408 Delaware St., Winchester, KS	TPO 45mil Wind Ballast	6/3/2014	41,084	David Schuler	785.640.8286
Jenkins Interprize	1137 Swift, N. Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	5/24/2006	2,129	Doc Jenkins	816.471.3721
Jetsun Aviation	5815 Mitchell Street, Sioux City, IA	TPO	11/15/2005			712.258.6563
John K. Bureh	5775 Foxridge Drive, Mission, KS	PVC Wind Ballast (50mil)	4/4/2007	20,374	Joe Gorman	913.831.1189 x333
JPI Glass	13380 N Hwy, Platte City, MO	24 Gauge Standing Steel Metal	8/7/2009		Sherry Plunkett	816.876.2200
Jury & Associates, Inc.	6700 Corporate Dr., Kansas City, MO	TPO 60mil Wind Ballast	4/9/2013	24,779	Brad Weilandorf	913.681.5770
Justrite Rubber Stamp	1701 Locust, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	4/26/2006	3,657	Paul Thomas	816.591.9323
Kansas City Club	913 Baltimore, Kansas City, MO	PVC Wind Ballast (60mil)	4/2/2007	4,000	Stephen Joyce	816.472.8360
KC Custom Metal	311 S. Cherry, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	12/30/2004	2,645	Darryl Wagner	816.777.1898
Kearney Schools (High, Middle, Elem.)	Kearney, MO	PVC Wind Ballast (80mil)	6/4/2005	45,979	Bob Guss	816.628.2650
Keepsake Fudge & Finery	101 N Main St, Independence, MO	Duro Last 50 mil PVC Mech Fastened	3/22/2004	2,322	Betty Brasfield	816.252.6653
Kessinger/Hunter (CODY 4)	9243-9261 Cody Street, Overland Park, KS	PVC Wind Ballast (50mil)	6/26/2006	24,908	Vaughn Tribble	816.842.2690
Kessinger/Hunter (Cody 5)	9201-9217 Cody Street, Overland Park, KS	PVC Wind Ballast (50mil)	6/23/2006	25,201	Vaughn Tribble	816.842.2690
Kessinger/Hunter (GM Industrial)	9851 Industrial Blvd., Lenexa, KS	PVC Wind Ballast (50mil)	6/1/2006	40,723	Vaughn Tribble	816.842.2690
Kessinger/Hunter (Executive Hills 25)	8400 W. 110th Street, Overland Park, KS	PVC Wind Ballast (50mil)	4/1/2005	11,600	Vaughn Tribble	816.842.2690
Kessinger/Hunter (Executive Hills 26)	8500 W. 110th Street, Overland Park, KS	PVC Wind Ballast (60mil)	10/14/2005	11,600	Vaughn Tribble	816.842.2690
Kessinger/Hunter (Merriam Industrial Park)	9325 W. 53rd Street, Merriam, KS	EPDM Wind Ballast (60mil)	10/29/2004	14,000	Vaughn Tribble	816.842.2690
Kessinger/Hunter (Merriam Industrial Park)	9336 W. 54th Street, Merriam, KS	EPDM Wind Ballast (60mil)	10/29/2004	22,500	Vaughn Tribble	816.842.2690
Kessinger/Hunter (Qual-Serv)	1222 Ozark Street, N. Kansas City, MO	EPDM Wind Ballast (60mil)	10/11/2005	19,320	Ed Younger	816.842.2690
Kessinger/Hunter (TAK Properties, LLC)	9100-9108 Bond Ave., Overland Park, KS	EPDM Wind Ballast (60mil)	9/17/2004	39,500	Vaughn Tribble	816.842.2690
Kessinger/Hunter (TAK Properties, LLC)	9271-9291 Cody Ave., Overland Park, KS	EPDM Wind Ballast (60mil)	9/22/2004	34,400	Vaughn Tribble	816.842.2690
Key Equipment	6716 Berger, Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	9/1/2005	8,208	Mike Lane	913.371.3260
Kingsley Pierson School	322 Quest Avenue, Kingsley, IA	TPO 45mil Mech Fastened	8/7/2008		Scott Bailey	712.378.2861
Klahn Real Estate	11607 Hickman Mills Drive, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	5/25/2004	4,998	Don Klahn	816.763.2600
Kryger Glass	1221 Harrison Street, Kansas City, MO	PVC Wind Ballast (50mil)	4/19/2007	10,800	Rob Smith	816.579.6358
Ku, Chang	1624 Grand Blvd., Kansas City, MO	PVC Mechanically Fastened (50mil)	6/1/2007	6,298	Chang Ku	816.474.3428
Kuecker Logistics	801 W. Markey Road, Belton, MO	Standing Seam	9/8/2009	15,000	Justin Barron	816.331.7060
Kuecker Logistics (Hail Storm Damage)	802 W. Markey Road, Belton, MO	PVC Retrofit Wind Ballast (45mil)	8/31/2011	32,113	Justin Barron	816.331.7070
Leath & Sons	6625 Railroad St, Raytown, MO	Duro Last 50 mil PVC Mech Fastened	5/9/2003	9,288	David Oshel	816.353.8623
Leavenworth Waterworks	601 Cherokee Street, Leavenworth, KS	Duro Last 50 mil PVC Mech Fastened	11/11/2003	792	Don Murphy	913.682.1513
Liberty Christian Fellowship	1815 W. Liberty Drive, Liberty, MO	Duro Last 50 mil PVC Mech Fastened	7/21/2004	6,815	Karen Hockman	816.781.3831





## References

JOB NAME	JOB ADDRESS	ROOF TYPE	INSTALL DATE	SQ. FT.	CONTACT	PHONE
Life Care Center of Carrollton	300 Life Care Lane, Carrollton, MO	Duro Last 50 mil PVC Mech Fastened	6/6/2005	38,846	Lynn Hayes	660.542.0155
Lindenwood Bus. & Tech Ctr.	450 & 500 N Rogers Rd., Olathe, KS	TPO 60mil Wind Ballast	8/17/2011	32,000	Cynthia Sickman	816.412.6688
Lindenwood Bus. & Tech Ctr.	520-600 N Rogers Rd. Olathe, KS	TPO 60mil Wind Ballast Metal Retro	6/3/2012	160,000	Cynthia Sickman	816.412.6688
Lodge of Four Seasons, LLC	315 Four Seasons Dr, Lake Ozark, MO	TPO 60mil Wind Ballast	2/15/2015	252,000	Jim Lajeunesse	573.365.8584
Manny's	207 Southwest Blvd, Kansas City, MO	TPO	11/13/2005	2,652	Manny Lopez	816.474.7696
Maranatha Academy	6826 Lockman Road, Shawnee, KS	Carlisle TPO (45mil)	11/21/2008	4,836	Tim Miller	913.631.0637
Masterson Auto Body	5814 Outlook, Mission, KS	Duro Last 50 mil PVC Mech Fastened	2/10/2004	4,002	Luke Masterson	913.722.2626
McMillin, Richard (Commercial)	6 N. W. Main Stree, Lee's Summit, MO	Duro Last 50 mil PVC Mech Fastened	1/4/2005	5,884	Richard McMillin	816.525.1467
Mead O'Brien	1429 Atlantic, N Kansas City, MO	PVC Mechanically (50mil)	11/30/2007	9,073	Ron Morrison	816.471.3993
Mead O'Brien	10707 Midwest Industrial Blvd, St Louis, MO	PVC Mechanically (50mil)	12/1/2007	17,500	Dave Wade	314.423.5161
Mead O'Brien	10800 Midwest Industrial Blvd, St Louis, MO	PVC Mechanically (50mil)	1/20/2008	6,544	Ron Morrison	816.471.3993
Messer Dental Labs	1505 Duck Road Grandview, MO	PVC Wind Vented 60mil	10/20/2011	13,000	Mike Messer	816.763.7551
MidAmerica Contractors	1400 Iron Street, N Kansas City, MO	PVC Mechanically Fastened (50mil)	4/27/2007	11,000	Jack Coughlin	816.221.4516
MidPoint National	1263 Southwest Blvd., Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	5/2/2002	55,098	Ron Friend	913.362.7400
Midwest Direct Marketing	501 N. Webster, Spring Hill, MO	Duro Last 50 mil PVC Mech Fastened	7/9/2002	1,661	Scott Robbins	913.592.9940
Missouri Poster & Banner, Inc.	1331 ErieSt, N. Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	6/12/2001	24,851	Jerry Barham	816.474.6140
Mondamin Iowa School	410 Pine Street, Mondamin, IA	45 MIL EPDM	8/2/2010	35,000	Jane Roden	712.646.2231
Mount Moriah (East roof)	10507 Holmes Road, Kansas City, MO	PVC Wind Ballast (50mil)	5/8/2007	4,649	Jim Seigert	816.942.2204
Mount Moriah (Upper)	10507 Holmes Rd, Kansas City, MO	Duro Last PVC Mech Fasten (50mil)	4/25/2007	1,890	Jim Seigert	816.942.2204
Mount Moriah (Upper)	10507 Holmes Rd, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	4/25/2007	1,890	Jim Seigert	816.231.7011
Nall Ave Baptist Church	6701 Nall Ave Prairie Village, KS	Carlisle TPO Mech Fasten (80mil)	8/5/2011	3,011	Melody Davis	913.281.1833
National Fabric Company	907 S 7th Street, Kansas City, KS	PVC Wind Ballast (45mil)	8/5/2008	23,907	Dan West	816.221.8010
National Starch & Chemical	1350 Taney, N. Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	4/5/2004	33,090	John Thiernan	816.221.8010
National Starch & Chemical	1350 Taney, N. Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	12/14/2004	20,847	John Thiernan	816.333.2184
Nativity of Mary Church	10017 E. 36th Terrace, Independence, MO	PVC Wind Ballast (50 mil)	6/15/2007	5,428	David	816.591.1165
Newsome Properties LLC	2 SW Industrial Drive, Lees Summit, MO	TPO (45mil)	2/28/2005	12,000	Dave (Prev Owner)	816.842.3100
Norbank	401 Amour, N Kansas City, MO	PVC Mechanically Fastened (50 Mil)	8/30/2006	8,500	Frank Victor	816.781.8281
Northern Hills Baptist Church	17211 NE 180th Street, Holt, MO	PVC 60mil Wind Ballast	1/20/2008	23,753	Richard Subra	
Norton and Norton, PC	6000 N Oak Trafficway Gladestone, MO	PVC 45mil Wind Ballast	6/17/2010			816.690.4156
Oak Grove School	401 & 605 SE 12th St, Oak Grove, MO	PVC 60mil Wind Ballast	8/12/2008	92,736	Bryan O'Hare	913.722.3366
Oaklahoma Joes BBQ	3002 W 47th Avenue, Kansas City, KS 66103	PVC 80mil Wind Ballast	10/23/2009	8,938	John Stave	816.333.8888
Olishan's Foundation	6003 Arlington Ave., Raytown, MO	PVC 50mil Wind Ballast	3/16/2007	11,200	JJ Lepar	402.733.5200
Omaha Steaks	4816 F Street, Omaha, NE	TPO	9/30/2003		Don Mac	913.530.9121
OP Car Wash	10441 Marty, Overland Park, KS	Duro Last 50 mil PVC Mech Fastened	9/19/2003	7,139	Gary Schaal	660.263.6210
Orscheln Farm and Home	101 W. Coates St., Moberly, Mo	Multiple Properties	2007 to present	150,000+	Dave Schauer	402.228.3323
Orscheln Farm and Home (Beatrice NE)	1800 Overcenter Dr., Moberly MO 65270	TPO (45mil)	4/12/2010	16,872	Dave Schauer	417.882.6649
Orscheln Farm and Home (Bethany, MO)	PO Box 10001 Springfield, MO	PVC (45 mil)	12/23/2010	46,000	Todd Johnson	402.228.3323
Orscheln Farm and Home (Maryville, MO)	1800 Overcenter Dr., Moberly MO 65270	TOPPS Roofing System	7/2/2008	24,000	Dave Schauer	402.228.3323
Orscheln Farm and Home (Nowata, OK)	329 South Ash St. Nowata, OK	TPO 45mil Wind Ballast	5/23/2011	35,600	Dave Schauer	816.776.5913
Orscheln Farm and Home (Richmond MO)	1800 Over Center Drive, Moberly MO 65270	TOPPS Roofing System	8/30/2010	31,000	Dave Schauer	785.232.0747
Paul Properties (Laundromat)	9402-9406 Blue Ridge Blvd, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	11/5/2003	14,000	Greg Brace	913.384.3751
Picture & Frame Industries	35 S.W. Blvd., Kansas City, KS	PVC Wind Ballast (50mil)	6/20/2007	8,000	Chris Funk	972.338.8656
Pizza Hut	211 N. W. Barry Rd, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	12/23/2005	1,250	Valerie Daniels	972.338.8656
Pizza Hut	4200 Rainbow Blvd., Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	12/15/2005	1,903	Valerie Daniels	972.338.8656
Pizza Hut	3600 State Ave, Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	12/15/2005	2,271	Valerie Daniels	913.708.2889



## References

JOB NAME	JOB ADDRESS	ROOF TYPE	INSTALL DATE	SQ. FT.	CONTACT	PHONE
Polymetric Imaging, Inc	117 East 14th Ave, North Kansas City, MO	TPO 60mil Wind Ballast	5/11/2015	26,872	Rick Meeker	816.221.5567
QC Holdings (Repair Shop)	30 NE Vivion Road, Kansas City, MO	TPO (45mil)	7/8/2010	9,588	Aaron Berger	816.981.4454
Quality Refrigeration	616 W. 26th St, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	9/00 & 3/04	4,171	Bob Quarrels	816.215.9478
Queen Foods	844 South 14th Street, Kansas City KS	EPDM Wind Ballast (60mil)	5/1/2001	24,819	David Qin	816.215.9478
Queen Foods (Hail Storm Damage)	844 South 14th Street, Kansas City KS	PVC 60mil Wind Ballast	10/13/2010	24,819	David Qin	816.471.4488
Queen Foods Co.	844 S. 14th St, Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	3/27/2001	25,737	David Qin	816.444.4774
R & R Zoglin Realty	63rd & Oak St, Kansas City, MO	PVC Mechanically (48mil)	3/16/2008	9,008	Tom Nimmo	816.531.5111
Reagan Marketing	100 W. 46th Street, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	5/21/2003	2,784	Gary Regan	816.942.2684
Red Bridge Christian Church	10842 McGee St., Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	2/14/2000	24,232	Richard Houston	417.782.7427
Red Hot & Blue (Tornado Damage)	2601 S. Range Line Rd Joplin, MO	Fiberrite Mech Fasten (50mil)	6/1/2011	6,622	Mitch Allen	816.468.6116
Red Lobster	450 New Barry Road, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	9/18/2004	9,392	Jeffrey Green	816.842.1090
Regal Plastics	110 East 10th Ave, N Kansas City, MO	PVC Mech Fastened (50 mil)	4/19/2006	39,899	Greg&Robert Slavik	913.677.5097
Riverside Red-X	2401 NW Platte Rd, Riverside, MO	TPO 45mil Wind Ballast	9/22/2014	76,366	Wylie Simpson	816.746.3618
Rosedale Development	1403 S. W. Boulevard, Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	4/5/2004	473	Wendy Wilson	816.304.6486
Sam Scarfino	1041 Burlington, N. Kansas City, MO	TPO Wind Ballast (60mil)	12/22/2009	6,200	Sam Scarfino	314.513.7307
Sara Lee Food & Beverage	6050 N 56th Street, Lincoln, NE	TPO	4/25/2008		Laura Hammond	913.642.7100
SBH & Associates	9120 Flint St. Overland Park KS	Carlisle TPO Mech Fasten (45mil)	8/8/2011	4,559	Robin Sawyer	913.894.4191
SBH & Associates	9120 Flint, Overland Park, KS	Duro Last 50 mil PVC Mech Fastened	11/4/1999	2,275	Wayne Schmidt	816.221.4110
Santa Fe Partnership	421 Rawhide St. Olathe, KS	PVC Retrofit Wind Ballast (45mil)	7/17/2012	12,000	Ross Steiner	913.782.9000
Seawitt Prop. (Tower & J)	819 Walnut, Kansas City, Mo	PVC Reverse Ballast (60mil)	10/20/2007	1,925	Dewna Garza-Calbi	816.363.1300
Seaman Unified School District #345 (Hail Damage)	5620 NW Topeka Blvd. Topeka, KS	PVC Wind Ballast 60mil	10/5/2012	15,400	Jim Tomes	785.575.8600
Seaman Unified School District #346 (Hail Damage)	901 NW Lyman Topeka, KS	PVC Wind Ballast 45mil	10/5/2012	7,308	Jim Tomes	785.575.8601
Seaman Unified School District #347 (Hail Damage)	1941 N.E. 39th St. Topeka, KS	PVC Wind Ballast 60mil	10/5/2012	19,270	Jim Tomes	785.575.8601
Seaman Unified School District #347 (Hail Damage)	4850 NW Rochester Rd. Topeka, KS	PVC Wind Ballast 60mil	10/5/2012	9,379	Jim Tomes	785.575.8602
Second Presbyterian Church	318 East 55th Street, Kansas City, MO	PVC (80mil)	4/16/2010	5,978	Don Weeks	804.794.4662
Serv. Mgmt. Sys. (Chesterfield Towne Ctr)		Genflex TPO	9/27/2004		Woody Belcher	417.762.3001
Simmon's Feed Inc.	10700 S State Hwy 43, Southwest City, MO	Chem Guard PVC (80 mil)	6/15/2009	13,767	Willie Hada	417.762.3001
Simmon's Feed Inc.	10700 S State Hwy 43, Southwest City, MO	Fiberrite PVC Tile Ballasted (50mil)	9/19/2011	17,356	Willie Hada	479.841.0302
Simmon's Feed Inc.	10700 S. State Hwy 43 Southwest City,MO	Fiberrite PVC Tile Ballasted (50mil)	7/27/2011	8,003	Mike Davis	479.841.0302
Simmon's Feed Inc.	10701 S. State Hwy 43 Southwest City,MO	Fiberrite PVC Tile Ballasted (50mil)	7/5/2012		Mike Davis	479.841.0303
Simmons Food Inc.	5 Main St. Van Buren AR	Fiberrite PVC Tile Ballasted (50mil)	11/12/2010	5,000	Mike Davis	479.841.0302
Simmons Food Inc.	601 North Hico St. Siloam Springs, AR	Fiberrite PVC Tile Ballasted (50mil)	11/12/2010	2,024	James Ellerbee	479.841.0302
Simmons Food Inc.	601 North Hico St. Siloam Springs, AR	Fiberrite PVC Tile Ballasted (50mil)	11/12/2010	1,908	James Ellerbee	479.841.0302
Simmons Food Inc.	601 North Hico St. Siloam Springs, AR	Fiberrite PVC Tile Ballasted (50mil)	11/20/2010	1,780	James Ellerbee	417.762.3001
Simmons Food Inc.	10700 S. State Hwy 43 Southwest City,MO	Fiberrite PVC Tile Ballasted (50mil)	1/3/2012	10,000	Willie Hada	816.356.1924
Spring Valley Baptist Church	8801 E. 79th Street, Raytown, MO	Duro Last 50 mil PVC Mech Fastened	5/9/2002	6,924	David Heartman	816.523.2405
St. Elizabeth Parish	2 East 75th Street, Kansas City, MO	PVC (50 mil)	7/6/2006	5,350	Vickie Kinney	913.631.0800
St. Joseph School	5832 King Street, Shawnee, KS	Duro Last 50 mil PVC Mech Fastened	'00 & '02	22,725	Delores Heckman	816.373.5290
St. Paul's Lutheran	17200 E. 39th St. Independence, MO	Sarnafil PVC (60mil) Mech Fasten	12/11/2008	6,127	Don Kemo	816.373.5290
St. Paul's Lutheran (Hail Storm Damage)	17201 E. 39th St. Independence, MO	Sarnafil PVC (60mil) Mech Fasten	8/1/2011	6,127	Don Kemo	816.421.3393
Streamatic of Kansas City	1249 Burlington St., N. Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	8/9/2002	17,325	William Chastain	913.685.4000
Stilwell United Methodist Church	19335 Metcalf Ave, Stilwell, KS	Duro Last 50 mil PVC Mech Fastened	7/28/2003	7,123	Tim Gnuu	816.254.2211
Stone Church	1012 W Lexington Ave, Independence, MO	PVC Wind Ballast (80mil)	7/1/2009	9,090	Alecia Cripps	913.451.4086
Stonewenge Apartments	141 W Bannister Road & Wornall, KC MO	TPO Wind Ballast (60mil)	10/29/2008	18,318	Audra Chandler	913.676.6120
Sunflower Medical Center	5555 W 58th Street, Mission, KS	PVC Mechanically (50 mil)	1/4/2008	3,792	Donna Stuteville	913.432.3780
Sunflower Medical Group	5555 W 50th St., Mission, KS	Duro Last 50mil PVC Mech F	7/9/2002	5,914	Donna Stuteville	913.432.3780
Sunflower Medical Group	5555 W 50th St., Mission, KS	Duro Last 50 mil PVC Mech Fastened	7/9/2002	5,914	Donna Stuteville	816.392.4817
Sunflower Oil (Office & Warehouse)	9880 Widmer, Lenexa, KS	TPO 45mil Wind Ballast	3/8/2010	205,200	Ty Trieu	816.471.1662
Superior Moving & Storage 2 roofs	2020 Walnut St, Kansas City, MO	PVC Wind Ballast (48mil)	4/16/2008	8,097	Geary Lynch	816.365.6160



Legend: 2001 & Co Wind Ballast Roofing System

## References

JOB NAME	JOB ADDRESS	ROOF TYPE	INSTALL DATE	SQ. FT.	CONTACT	PHONE
Teague, Chris (Residential)	7804 N. Garfield, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	9/11/2003	1,462	Chris Teague	877-798.8641
Tompkins Industries (Hail Damage)	1912 E. 123rd St. Olathe, KS	TPO Retrofit Wind Ballast (45mil)	4/4/2011	29,890	Benjamin Blades	913-764.8088
Tompkins Industries (Hail Damage)	1707 E. 123rd St. Olathe, KS	TPO Retrofit Wind Ballast (45mil)	4/10/2012	9,300	Benjamin Blades	913-764.8088
TMI	127 S.E. 29th Street, Topeka, KS	PVC Mech Ballast (60mil)	10/17/2005	12,150	Dan Graffeo	877-798.8642
TMI (Hail Storm Damage)	128 S.E. 29th Street, Topeka, KS	PVC Mech Fasten (45mil)	3/10/2011	12,151	Dan Graffeo	620.704.3681
Trinity Property Management	13004 East US Hwy 40, Independence, MO	TPO 45mil Wind Ballast	10/2/2014	31,264	Dave Pinson	479.452.1817
Triple T Foods (Tornado Damage)	1601 W. McKay St. Frontenac, KS	Duro Last PVC Mech Fasten (50mil)	7/19/2011	1,428	Nate Stahl	816.931.6001
Turner Uni-Drive	3434 Terrace Street, Kansas City, MO	PVC (50 mil)	11/1/2009		Bob Gregory	816-931.6001
Turner Uni-Drive	3434 Terrace St, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	12/11/2003	3,949	Bob Gregory	816.231.8837
USA Plating	1341 Montgall Ave, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	3/9/2006	1,305	Charollette	816.923.4325
Vance Brothers	5201 Brighton, Kansas City, MO	Duro Last 50mil PVC Mech F	2/28/2006	8,080	Ed Swindler	816.923.4325
Vance Brothers	5201 Brighton, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	2/28/2006	8,080	Ed Swindler	816.472.8999
VC999	419 E. 11th Ave., N. Kansas City, MO	PVC Mech Fastened (60 mil)	10/1/2007	30,232	Silvio Weber	816.472.8999
VC999	402 E. 10th Ave, N. Kansas City, MO	Duro Last Mech Fasten PVC (50mil)	3/99 & 9/04	26,269	Silvio Weder	816.472.8999
VC999	402 E. 10th Ave, N. Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	3/99 & 9/04	26,269	Silvio Weder	816.454.2066
Victory Free Will Baptist Church	4041 NE Antioch, Kansas City, MO	PVC Wind Ballast (60mil)	12/7/2009	2,879	Pastor Kevin	816.668.2444
Victory Hills Church	6200 Parallel, Kansas City, KS	Timberline Shingle	10/27/2009		Randall Pence	816.224.0544
Walnut Gardens Comm. Church	19201 R D Mize Rd, Independence, MO	Duro Last 50 mil PVC Mech Fastened	8/27/2002	13,736	Lauren Sherry	712.546.4000
Wells Blue Bunny	1191 18th St, Lemars, IA (multiple roofs)	PVC Reverse Ballast (60mil)	1992 to present	250,000+	Ken Hansen	816.510.3936
Wendell Patterson	10016 N Skyview Dr, Kansas City MO	Tornado Damage to numerous Buildings	11/28/2011		Wendell Patterson	816.300.6614
Western Blue Print (AKA D.A.D)	1814 Main Street, Kansas City, MO	PVC Mech Fastened (50mil)	10/25/2005	6,627	Pam Decker	913.432.7100
Whole Sale Sheet Metal	800 Southwest Blvd, Kansas City, MO	PVC 60mil Reverse Ballast	10/12/2011	17,050	Alan Avery	913.722.5664
Wilard Avenue Baptist Church	3205 Wilard Ave, Kansas City, KS	Duro Last 50 mil PVC Mech Fastened	9/13/2004	3,466	Bill Deboard	913.432.3112
Williams Foods, Inc	14350 Santa Fe Trail Dr, Lenexa KS 66215	45mil TPO - Wind Ballast	6/23/2014	131,044	Paul Ware	913.302.7209
William Kremers D.D.S.	5830 Nall Ave, Mission, KS	Duro Last 50 mil PVC Mech Fastened	5/9/2002	4,018	William Kremers	816.803.2972
Winsteads	101 Emmanuel Clever Blvd, Kansas City, MO	Duro Last 50 mil PVC Mech Fastened	1/13/2003	1,249	Wanda LeMaster	913.381.5029
Wise Safety (Hail Damage)	15101 W. 110th St. Olathe, KS	Elastomeric Coatings	4/10/2012	11,000	Charlene Newbanks	913.492.9444
Wormall Park Condo	300 W 45th Terr, Kansas City, MO	PVC Mech Fastened (50mil)	10/27/2006	9,784	Jennifer Penka	816.421.8343
Yates Electric	1401 Burlington Street, N. Kansas City, MO	PVC Wind Ballast (60mil)	9/9/2005	12,017	Troy & Brad Yates	

**Jonathan W. Schilling**  
1009 SW 23<sup>rd</sup> Street, Blue Springs, MO 64051  
Phone: (816) 215-9800, Email: [jschilling@jrroofinginc.com](mailto:jschilling@jrroofinginc.com)

## EXPERIENCE

### **JR & Co Roofing Contractors Inc., North Kansas City, MO**

*Production Manager, October 2012 – Present*

- Planned, scheduled, and coordinated all departmental activities, to ensure timely installation of all roofing systems.
- Managed multiple simultaneous projects from pre-construction meetings to completion
- Managed and monitored all project costs to meet budgetary guidelines
- Represented the company to all clients and attend pre-roof and project meetings
- Recruited, trained, managed, and evaluated staff
- Reported job progress through the Computer Relationship Management system
- Procured material for jobs as needed
- Instituted and enforced safety procedures to ensure compliance with all OSHA and state safety regulations.
- Scheduled project inspections and managed job through to completion.

*Project Manager, February 2008 – September 2012*

- Oversaw all on-site roofing installation activities of assigned projects from start to finish.
- Directed the on-site Safety Program.
- Monitored compliance with building and safety codes, and other regulations.
- Created the schedule, determined labor requirements and performed project pre-planning.
- Managed the construction schedule and produced and submitted daily reports as required.
- Assisted in reviewing shop-drawing submittals from subcontractors.
- Supervised subcontractors, and vendors to ensure quality control and project compliance.
- Resolved problems as they arose from the plans, specifications, or site conditions.
- Effectively and efficiently managed the completion of all punch lists.
- Worked with customers/sales team to meet their requirements/scope on schedule and budget.
- Managed project budgets to prevent overruns and developed cost control measures.

*Crew Foreman, March 2006 – January 2008*

- Monitored work processes and products to ensure company SOPs were followed and that safety and cost containment standards are maintained.
- Supervised, assigned, instructed and scheduled roofing crew members.
- Maintained production schedules to meet company projections and customer expectations.
- Determined installation methods, equipment, and supply requirements to complete assignments per production goals.
- Recorded and reported production quantities, material usage and labor.
- Worked to improve and increase the efficiency of existing manufacturing processes.

### **418<sup>th</sup> Civil Affairs Battalion - U.S. Army Reserve, Department of Defense, Kansas City, MO**

*Civil Affairs Specialist, December 2007 – Present*

- Helped plan U.S. government interagency procedures for national or regional emergencies.
- Assisted with civil-military planning and support.
- Coordinated military resources to support reconstitution and reconstruction activities.
- Supported defense or emergency assistance and response activities.

## EDUCATION

**Penn Valley Community College, Kansas City, MO**

Spring 2009

Certificate Program – Emergency Medical Technician

**Ryan K. Minnick**

**3414 N Brighton Avenue, Kansas City, MO 64117**  
**Phone: (816) 217-1990, Email: [r.minnick@jrroofinginc.com](mailto:r.minnick@jrroofinginc.com)**

## **EXPERIENCE**

### **JR & Co Roofing Contractors Inc., North Kansas City, MO**

*HSE Representative, July 2010 – Present*

- Supervised the set-up of safety equipment on numerous projects and monitored the continued use of safety equipment through project completion.
- Directed the implementation of safety and industrial hygiene in daily roofing operations.
- Trained and develop new staff in occupational health and safety practices.
- Explained how to manage injuries/illnesses as well as accident prevention.
- Kept safety related documentation accurate and up to date as required by the terms and conditions of this contract.
- Maintained a familiarity with the major environmental laws that effect worksites including the Clean Air Act, Clean Water Act, RCRA, and CERCLA.

*Roof Technician/Crew Supervisor, March 2013 – Present*

- Installed all forms of residential and commercial roofing materials.
- Repaired roof damage and applied sealing compounds to affected areas.
- Located leaks and apply patches for repair.
- Maintained daily work reports.

*Roofer, July 2010 – March 2013*

- Installed various roofing products to manufacturer's specifications.
- Performed delivery duties as needed and maintained the appropriate licenses per DOT regulations.
- Worked to meet company and OSHA safety guidelines.

## **EDUCATION**

### **Metropolitan Community College, Kansas City, MO**

2014 - Certificate Program – HAZWOPER

### **OCCU-TEC, Kansas City, MO**

2014 - Certificate Program – Asbestos Operations and Maintenance Training

### **Progressive Safety, Kansas City, MO**

2014 - Certificate Program – Occupational Health and Safety Administration – 30 Hour

### **American Red Cross, Kansas City, MO**

2014 - Certificate Program – Adult First Aid/CPR/AED

**Matthew B. Schilling**  
4208 Windsor Ave., Kansas City, MO 64123  
Phone: (816) 255-9175, Email: [matt@jrroofinginc.com](mailto:matt@jrroofinginc.com)

## EXPERIENCE

### **JR & Co Roofing Contractors Inc.,** North Kansas City, MO

*Project Superintendent*, January 2015 – Present

- Oversaw all on-site roofing installation activities of assigned projects from start to finish.
- Monitored compliance with building and safety codes, and other regulations.
- Created the schedule, determined labor requirements and performed project pre-planning.
- Managed the construction schedule and produced and submitted daily reports as required.
- Assisted in reviewing shop-drawing submittals from subcontractors.
- Supervised subcontractors, and vendors to ensure quality control and project compliance.
- Resolved problems as they arose from the plans, specifications, or site conditions.
- Worked with customers/sales team to meet their requirements/scope on schedule and budget.
- Managed project budgets to prevent overruns and developed cost control measures.

*Crew Foreman*, February 2012 – December 2014

- Monitored work processes and products to ensure company SOPs were followed and that safety and cost containment standards are maintained.
- Supervised, assigned, instructed and scheduled roofing crew members.
- Maintained production schedules to meet company projections and customer expectations.
- Determined installation methods, equipment, and supply requirements to complete assignments per production goals.
- Recorded and reported production quantities, material usage and labor.
- Worked to improve and increase the efficiency of existing manufacturing processes.

*Roofer*, July 2007 – January 2013

- Installed various roofing products to manufacturer's specifications.
- Performed delivery duties as needed and maintained the appropriate licenses per DOT regulations.
- Worked to meet company and OSHA safety guidelines.

### **7/158<sup>th</sup> Aviation Regiment - U.S. Army Reserve, Department of Defense,** New Century, KS

*Crew Chief*, January 2011 – Present

- Consistently performed flying duties as a mechanic/crewmember without incident.
- Performed a wide range of maintenance and inspection work on rotary aircraft systems, subsystems and components.
- Supported defense or emergency assistance and response activities.

## EDUCATION

### **Metropolitan Community College,** Kansas City, MO

2014 - Certificate Program – HAZWOPER

### **OCCU-TEC,** Kansas City, MO

2014 - Certificate Program – Asbestos Operations and Maintenance Training

### **Progressive Safety,** Kansas City, MO

2014 - Certificate Program – Occupational Health and Safety Administration – 30 Hour

### **American Red Cross,** Kansas City, MO

2014 - Certificate Program – Adult First Aid/CPR/AED

## Experience

### Commercial Sales Specialist

JR & Co. Roofing Contractor

June 2012 – Present (3 years 2 months)Riverside, Mo.

I am involved in the procurement and management of roofing projects in the Commercial/Industrial Market. I started as a laborer and have held many positions on the Operations and Sales side  
JR & Co. is a 28 year old Roofing Contracting Co. that operates in many states.



### Senior Project Manager

Premier Contracting, Inc.

2008 – 2012 (4 years)Kansas City, Kansas

Commercial Roofing Contractor.

### Senior Project Manager

Centimark

1996 – 2007 (11 years)Kansas City

Nation wide Commercial Roofing Contractor.



### Salesman

Prime Roofing

1988 – 1996 (8 years)Kansas City

Regional Roofing Contractor.

### Salesman

D.C. Taylor

1983 – 1988 (5 years)Kansas City

National Roofing Contractor.

### Salesman

Gifford Hill & Co.

1979 – 1982 (3 years)Kansas City

Fortune 500 Company involved in the manufacturing and sales of Construction Materials.

## Skills

## Quality Control Technical Inspector

1. **JR & Company** has partnered with the 2001 Company (SRM) to secure Ron Streich in the role of Quality Control Technical Inspector. Ron brings a wealth of experience, including 31 years with the 2001 Company (SRM) providing technical service, contractor training and warranty inspections.
2. Ron's city of residence is Sioux Falls, South Dakota.
3. While Ron has technical support and warranty responsibilities which include other projects throughout the Midwest, he is generally in Kansas City on an every other week basis inspecting JR & Company projects. The 2001 Company has committed to JR & Company to provide onsite technical support as requested by the City of Kansas City, MO. JR & Company intends to contract for a minimum of five (5) days for Ron Streich to fulfill the role as Quality Control Technical Inspector. It is anticipated that 2 days would be utilized at project start up with the balance scheduled every 2-3 weeks during the project's duration.
4. Ron has a Bachelor's of Business Administration (minor in Psychology) from Dakota State University. For each of the past 28 years, Ron has attended the annual conference of both the Roof Consultants Institute (RCI) and the National Roofing Contractors Association (NRCA). At each conferences, Ron routinely attends numerous roofing and waterproofing seminars. Ron is highly experienced and knowledgeable of the application and warranty of 2001 Company (SRM) WindVented roof systems. Ron Streich is the person who will be approving the SRM warranty of the Bartle Hall roof assembly.





July 13, 2015

Re: JR & Company, Inc.  
200 NW Platte Valley Drive  
Riverside, MO 64150

Project: Bartle Hall Convention Center Complex – Project No. 15-001

To Whom It May Concern:

JR & Company, Inc. has an established bond program with National American Insurance Company. National American Insurance Company is an "A-" rated carrier by AM Best and is listed on the Treasury Circular 570, with a Treasury Limit of \$6,091,000. JR & Company, Inc. is in "Good Standing" with National American Insurance Company.

JR & Company, Inc. has an excellent reputation for quality work and timely performance. JR & Company, Inc. carries a bonding limit of \$3,000,000/single and \$8,000,000/aggregate.

This letter in no way guarantees approval of future bonds as each project is underwritten individually. We do reserve the right to examine and approve all underwriting information at the time of any bond request, including confirmation of financing.

We are pleased to recommend them for any projects you may be considering.

Should you have any questions, please do not hesitate to contact me.

Sincerely,

Casey M. Parisoff  
cparisoff@ckcins.com  
[bonds@ckcins.com](mailto:bonds@ckcins.com)  
4400 College Blvd., Suite 150  
Overland Park, KS 66211  
Phone: (913) 378-1050



# WORKERS COMPENSATION EXPERIENCE RATING

Risk Name: JR & CO

Risk ID: 911734370

Rating Effective Date: 01/01/2015

Production Date: 12/05/2014

State: INTERSTATE

State	Wt	SRP	Exp Excess Losses	Expected Losses	Exp Prim Losses	Act Exc Losses	Ballast	Act Inc Losses	Act Prim Losses
AR	.16	0	2,553	3,547	994	0	31,500	0	0
IA	.13	0	3,424	4,390	966	0	36,400	0	0
KS	.14	0	18,207	24,940	6,733	0	35,000	0	0
MO	.13	0	70,567	95,717	25,150	0	39,375	0	0
OK	.11	0	656	820	164	0	46,350	0	0

(A) Wt	(B)	(C) Exp Excess Losses (D - E)	(D) Expected Losses	(E) Exp Prim Losses	(F) Act Exc Losses (H - I)	(G) Ballast	(H) Act Inc Losses	(I) Act Prim Losses
.13		95,407	129,414	34,007	0	38,259	0	0

	Primary Losses	Stabilizing Value	Ratable Excess	Totals
Actual	(I) 0	$C * (1 - A) + G$ 121,263	(A) * (F) 0	(J) 121,263
Expected	(E) 34,007	$C * (1 - A) + G$ 121,263	(A) * (C) 12,403	(K) 167,673
	ARAP	FLARAP	SARAP	MAARAP
Factors	1.00			(J) / (K) .72

**REVISED RATING**

THE ARAP FACTOR SHOWN IS FOR THOSE STATES CONTAINED ON THIS RATING THAT HAVE APPROVED THE ARAP PROGRAM AND IS CALCULATED BASED ON THE STATE WITH THE HIGHEST APPROVED MAXIMUM ARAP SURCHARGE. THE MAXIMUM ARAP SURCHARGE MAY VARY BY STATE. PLEASE REFER TO EACH STATE'S APPROVED RULES FOR THE APPLICABLE MAXIMUM ARAP SURCHARGE.  
RATING REVISED TO REFLECT APPROVED RATING VALUES

Carrier: 33413 - 001 Policy: MEG201490300 Eff-Date: 01/01/2015 Exp-Date: 01/01/2016

Copyright 1993-2014. All rights reserved. This experience modification factor is comprised of compilations and information which are the proprietary and exclusive property of the National Council on Compensation Insurance, Inc. (NCCI). No further use, dissemination, sale, transfer, assignment or disposition of this experience rating modification factor or any part thereof may be used without the written consent of NCCI. NCCI makes no representation or warranty, expressed or implied, as to any matter whatsoever including but not limited to the accuracy of any information, product or service furnished hereunder and, as to NCCI, recipient of this experience rating modification factor subscribes to and utilizes the information service "as is".

**Project # 15-001 Convention Center Bartle Hall A,B,D E Halls Roofing Repair  
Schedule from Notice to Proceed Base Bid**

**Notice To Proceed**

Week 1	Submittal, Order Materials
Week 2	Load Roofs A& B. Start Installation
Week 3	Continue and Complete A
Week 4	Complete B
Week 5	Load D & E. Start Roofing D
Week 6	continue on D
week 7	Start on E
Week 8	complete E
Week 9	Complete JR Punch List Call for Manufacturers Inspectio
Week 10	Complete manufacturers Punch List
Week 11	Project closeout
Week 12	Project Complete

## JR & Company

### **CORPORATE SAFETY POLICY**

### **SECTION 1**

It is the policy of **JR & Company** to provide a safe and healthful work environment for our employees and sub-contractor associates.

**JR & Company** considers no phase of its operation of greater importance than that of accident prevention. Safety does not just occur by chance. It is the result of careful attention given to all company operations by those who are directly and indirectly involved. Employees at all levels must work together as a team to execute the company's policy of maintaining safety and occupational health on all work sites.

Our safety program has been developed to assure compliance with Federal, State, and Local regulations with particular emphasis on the Occupational Safety and Health Act of 1970 (OSHA) and all OSHA requirements that apply to our construction operations. It is the obligation of all employees to be knowledgeable of the standards established by these agencies and to implement the rules and regulations contained therein on projects under their direction.

Accident prevention is a goal well worthy of achieving. This is because the cost of accidents far exceeds the cost of prevention. It is, therefore, of the utmost importance that all aspects of our safety program are strictly adhered to and that the intent of this program is followed.

The following rules are implemented for the protection of our employees, and sub-contractor employees. It is not intended that any project's safety procedures be confined to the following requirements. These rules are usually general, and should be used in conjunction with more specific federal, state, and local regulations. Whenever the two conflict, the more stringent regulations shall apply.

Employees are urged to offer comments or suggestions concerning jobsite safety directly to the safety director, David E. Redlin at 913.406.2825 or [dave@safetydave.biz](mailto:dave@safetydave.biz) as well as their immediate supervisor. All concerns will be reviewed as quickly as practicable.

Sincerely,  
**JR & Company**

**John Schuller ,**  
**President**

## JR & Company

### SAFETY RULES

1. New employees will be given brief safety orientation by their supervisors or the Safety Director, Dave Redlin, before they start to work. This orientation should apply to general instructions regarding safety rules of the project and his own craft's specific rules.
2. Craft-Tool Box and safety meetings will be held once a Month. These meetings are to be conducted by supervisors or the Safety Director. Reports of these meetings shall be turned into the office.
3. Signs and posters bearing pertinent regulations shall be used to convey warnings, directions, and instructions to personnel and the public as required by the contractor and the client. The observance of warning signs shall be required of company personnel and visitors while on the project.
4. Hard Hats - All project construction areas (**where overhead hazards are present**) will be considered "Hard Hat Areas." The wearing of hard hats by ALL employees and visitors in the construction area will be strictly enforced.
5. All injuries, no matter how slight, shall be reported to First Aid and your foreman immediately. All doctor referrals must be authorized through the office.
6. No "horseplay" or scuffling permitted. Offenders are subject to disciplinary action.
7. Report all unsafe practices and conditions to your foreman at once.
8. Housekeeping, safety, and efficiency go hand in hand. Always keep your job clean.
9. All projecting nails shall be removed or turned down immediately.
10. Familiarize yourself with fire extinguisher locations.
11. ALL tools & equipment must be inspected **daily & before use** ! Do not use any broken or defective tools or equipment. Use only proper tool or equipment for any job you do.
12. Safety glasses shall be worn when chipping, grinding, welding, cutting, handling cement and working with compressed air, or when necessary to be close to such an operation being performed by another employee.
13. Use seat belts provided in man-haul trucks & equipment. Standing and riding with feet extended outside of truck, or sitting on edge of pickup bed is prohibited.
14. Do not attempt to lift or move heavy loads without adequate assistance. Learn to lift properly. Lift with your leg muscles (legs together), and not with your back.
15. Backup alarms need to be operable on ALL heavy equipment, and vehicles when backing view is poor.

16. Fall Protection (Slide Guards, PFAS/Body Harness, Guardrails, Warning Line Systems) must be used whenever there is a fall of more than 6 ft. to a lower level. When working in a Scissor Lift, Forklift/Platform or other man lift, a PFAS **must** be worn. **See Fall Protection Section of Safety Program !**
17. Don't try to place speed above "Safety" - if each man will be watchful of everyone else, as well as himself, accidents can be held at a minimum.
18. Always face ladders while going up or descending. **Secure & Extend 3 ft.** above working surface. Inspect all ladders and report broken or unsafe ladders immediately.
19. **Always "LOOK UP"** and stay a minimum of 10 ft. from overhead power lines
20. Only authorized persons are permitted to operate specific equipment; follow these regulations. No one but qualified personnel or an electrician is to make repairs and service electrical equipment.
21. The use or possession of nonprescription drugs or intoxicants on or around the job is absolutely prohibited. No employees will be allowed to report for work while under the influence of nonprescription drugs or intoxicants. Anyone doing so is subject to immediate discipline or discharge.
22. Drug/Alcohol testing of employees will be conducted **Randomly, Post Accident and when reasonable suspicion is detected.**
23. **Three-Step Employee Disciplinary Program**
  - 1<sup>st</sup> Violation-Verbal warning of non-compliance and advisement of corrective action;
  - 2<sup>nd</sup> Violation-Written warning of non-compliance and advisement;
  - 3<sup>rd</sup> Violation-Written notice of non-compliance and suspension or termination !
24. **SAFETY AWARDS** will be given to employees who perform work with no accidents, no lost time accidents, no equipment/property damage accidents & for **Safety Suggestions** that are directly attributed to our Safety Program enhancement.

**SAFETY IS ON THE JOB FOR YOUR PROTECTION-USE IT !**

By signing below I acknowledge & authorize the sample collection for Drug/Alcohol prevention program compliance. I have read and understand the above rules of **JR & Company** and information and any violations on my part will be subject to disciplinary action or discharge.

Signed: \_\_\_\_\_ Date: \_\_\_\_\_

**CORPORATE ENVIRONMENTAL POLICY**

**SECTION 2**

**JR & Company** will conduct its activities in the most "Environmental Friendly" manner available to our industry . Current and future property owners and the environment will be protected from adverse affects of our construction activity.

Atmospheric pollution could be caused by drilling/cutting dust particles, cutting of concrete, smoke from fuel consuming equipment, and dirt falling from trucks.

Precaution will be taken to keep pollution from the job site at an irreducible minimum.

Various form of precaution include:

- 1) Keep all vehicles on the road or approved construction entrance, when feasible.
- 2) Keeping streets clean of dirt/mud with the use of skid-ladders, brooms and shovels.
- 3) Noise pollution will be controlled by equipment mufflers, the use of portable generators only when temporary power is not available, self monitoring of contractors radio playing, and scheduled working hours.
- 4) Excess roofing materials will be recycled whenever possible or placed in designated areas only for future use by the customer.
- 5) All material packaging, food & beverage containers, etc. will be placed in approved storage locations before leaving the job-site daily.
- 6) All silt fences, gutter buddies, straw bales, etc. will be left in place whenever possible. In the event of disturbing the erosion control systems, the project manager will be notified immediately to make required repairs within 24 hours.
- 7) Periodic inspections to assure compliance from all JR & Company personnel and sub-contractors' personnel.
- 8) Strict adherence to all NPDES & SWPPP requirements is mandatory.

Sincerely,  
**JR & Company**

John Schuller,  
President

Respectfully,  
**Progressive Environmental  
& Safety Consulting Services**



David E. Redlin, REM, QSP,  
Environmental & Safety Affairs Consultant



## SAFETY & HEALTH PROGRAM ADMINISTRATION

## SECTION 3

### RESPONSIBILITIES

#### A. SAFETY DIRECTOR-Dave Redlin PH#913.406.2825

1. Reviews all accident reports.
2. Conducts jobsite safety inspections.
3. Meets with loss control representatives from insurance companies.
4. Sets up First Aid/CPR classes for field personnel.
5. Responds to OSHA regarding any safety and health violations.
6. Sits in on OSHA violation/citation meetings at jobsite(s) and on any company property.
7. Collects and distributes historical data compilation.
8. Makes recommendations and advises general management on safety, health, and environmental issues.
9. Periodically updates written safety procedures manual as needed.
10. Corresponds on matters relating to safety and health.

#### B. MANAGEMENT-John Schuller

1. Shares joint responsibility with the project superintendent for overall safety and health on the project.
2. Confirms the project superintendent is performing their duties regarding safety.
3. Informs the Safety Director of any safety deficiencies found on the project.
4. Prepares pre-job safety review and conducts pre-phase planning as needed.
5. Sits in on OSHA violation/citation meeting at jobsite(s).

#### C. Superintendents-

1. Shares joint responsibility with Operations Manager for the overall safety and health on the project.
2. Responsible for explaining safety policies and hazards to all personnel, especially new hires and Spanish speaking employees.



3. Constructs and maintains a safety bulletin board and posts the following:
  - a. OSHA Safety and Health Poster (OSHA Poster 3165).
  - b. Equal Employment Opportunity Poster.
  - c. List of hospitals, Fire services and emergency phone numbers.
  - d. Any posters required under local, state or federal law.
4. Looks for unsafe acts or conditions and corrects them immediately.
5. Documents and provides information per company policy to Safety Director pertaining to anyone who flagrantly violates safety procedures.
6. Maintains first aid supplies and personal protective equipment (PPE).
7. Provides adequate temporary sanitary facilities with regular servicing.
8. Responsible for orderliness and good housekeeping on the jobsite.
9. Informs field personnel of OSHA citations.
10. Responsible for conducting accident or incident investigations that occur on his or her project site.
11. Make suggestions concerning any jobsite hazards to the Operations Manager and Safety Director.
12. Confirms that all equipment is in compliance with OSHA and maintained.
13. Sits in on OSHA violation/citation meeting at jobsite(s).
14. Shall look over their project and assess what type of safety equipment is needed before the particular work is performed.
15. All accidents shall be investigated to determine cause, and corrective action to eliminate the hazard, which caused the accident or incident.

D. EMPLOYEE

1. It is important that you recognize that we take your safety seriously, and in return we expect you to strictly follow all safety procedures noted in this manual. Employees may be placed under a **three-step** progressive disciplinary program noted in this section. However when an employee is involved in a case of serious or gross misconduct, progressive disciplinary action will not be involved, and the employee will be subject to disciplinary action up to immediate termination of employment.

**Three-Step Employee Disciplinary Program**

**First Violation** - Verbal warning of non-compliance and advisement of corrective action;

**Second Violation** - Written warning of non-compliance and advisement;

**Third Violation** - Written notice of non-compliance and termination of employment;

2. Report all accidents, regardless of how slight to your supervisor. He or she should then file the appropriate written report(s). Failure by the employee to report accidents could result in denial of insurance payments.
3. Employees that are injured on the job and need additional treatment other than first aid must visit the clinic designated by the company for that project.

**NOTE: JR & Company will not be liable for any treatment costs associated with visits to the employee's personal physician or non-specified clinics without prior approval.**

4. Employees are responsible for bringing any unsafe situation, condition or act to the attention of their supervisor.
5. Employees are expected to report to work both physically and mentally prepared to handle their responsibilities. Horseplay or fighting is prohibited and will result in disciplinary action up to termination of employment.
6. The use of possession of intoxicating beverages or illegal drugs during working hours is strictly prohibited. If medically approved or prescribed medication must be taken during working hours, it is your responsibility to notify your supervisor of the medication(s) you are taking. Side effects of medications can cause serious accidents.

## HAZARD COMMUNICATION PROGRAM

## SECTION 4

### POLICY

Prior to commencing any routine or non-routine work that has a possibility of a chemical exposure, including piping systems, an evaluation of possible exposure will be made by the supervisor and employee to perform the work. IF it is determined that an exposure may occur, then additional methods of exposure control will be identified and implemented.

### SCOPE

This program applies to all work operations in the company that may expose an employee to a hazardous substance under normal or emergency working conditions.

### PURPOSE

This program has been established to provide the means necessary to transmit information to employees regarding the chemical products that they may be exposed in the work place by working with, near to or around as they perform any task or non-routine job tasks. This program is available, upon request, to all employees, their designated representatives, emergency responders, and interested members of community.

#### A. ADMINISTRATION

The Safety Director, David E. Redlin, is the program coordinator, who has overall responsibility for the program. Mr. Redlin will review and update the program as necessary. He may be contacted at the following address P.O. Box 24264 Overland Park, Ks 66283, or by telephone at 913.406.2825.

#### B. LIST OF HAZARDOUS CHEMICALS

A list of all hazardous chemicals and materials used, transported, stored on the jobsite, or on any company property will be maintained. This list will be shared with all employees, contractor, sub-contractors, emergency responders and members of the community upon request.

JR & Company will require all contractors and sub-contractors to provide a list of all hazardous chemicals and materials, which they bring onto the jobsite to maintain a current listing of all hazardous chemicals at any jobsite.

#### C. LABELING

All containers of hazardous chemicals, used, stored or transported on the jobsite or on company property must be labeled or tagged. Original labels on containers of hazardous chemicals are not to be removed, unless a different material is placed into the container. In this case, the label must be changed to reflect the true contents. The labels or tag must contain the name of the chemical, the appropriate hazard warnings and the name and address of the chemical manufacturer or distributor.

D. MATERIAL SAFETY DATA SHEETS (MSDS's)

A file will be maintained of Material Safety Data Sheets (MSDS's) covering all hazardous chemicals brought on a jobsite or on company property. The file will contain an index listing of all MSDS in the file. MSDS files and an index listing will be made promptly available to any employee's designated representatives, emergency responders, and interested members of the community. A MSDS will be required to accompany each hazardous chemical that is introduced to the jobsite or company property. JR & Company will not make a determination if a chemical is hazardous. They will rely on the evaluation performed by the manufacturer or material supplier and follow their recommendations from the MSDS's.

E. TRAINING

All employees will be provided training in reading and interpreting MSDS, labels, provisions of this policy, and the OSHA standard. Each employee will be made aware of the MSDS File, Written Company Program, List of Hazardous Chemicals on the jobsite and the OSHA Standards, and where this information is located.

Before assigning any worker or crew to a task or non routine task, as defined in Section (e) (ii) of the regulations, requiring the use of hazardous chemicals their supervisor is required to review with them the information contained in the MSDS, including safety procedures, emergency procedures, and required personal protective equipment.

Any employee or interested party wishing to see the JR & Company Hazard Communication Program, OSHA Hazard Communication Standard, a list of hazardous chemicals and Material Safety Data Sheets (MSDS's) for the chemicals, should contact their supervisor or the Safety Director, David E. Redlin.

F. TRAINING OUTLINE

1. Before any employee starts to work he or she will receive the following:
  - a. Explanation of the written Hazard Communication Program.
  - b. Explanation of OSHA's Hazard Communication Standard.
  - c. Training and understanding Material Safety Data Sheets (MSDS) System.
  - d. Review of the MSDS's for the specific materials the employee will be using or has the possibility of being exposed to.
  - e. Made aware of the locations of the communication systems and all emergency phone numbers.
  - f. Anytime new hazards are introduced into the work place or an employee changes job duties, his or her training will be updated. This includes training before any non-routine task is performed.

G. SUB-CONTRACTORS

1. All subcontractors will be notified of any/all chemicals brought onto the site that may affect their employees either during routine or non-routine tasks.

H. Non-English Speaking Employees

The contents of this HAZCOM program, including MSDSs, Labels, etc. shall be communicated to all Non-English speaking employees through Written, Video & in-person translation.

I. Sample Labels

Sample Labels can be purchased at:      Grainger Supply (913) 492-8550  
Safety Remedy (816) 380-6375

## **BLOODBORNE PATHOGENS EXPOSURE CONTROL PLAN**

### **SECTION 5**

#### **POLICY**

It is the policy of JR & Company to insure that all potential avenues of exposure to bloodborne pathogens are identified prior to the start of each job and that appropriate protective measures are taken to prevent any bloodborne pathogens incident involving company employees or sub-contractor associates.

#### **SCOPE**

This policy applies to all occupational exposures that may expose an employee to bloodborne pathogens, particularly the Hepatitis B Virus (HBV) and the Human Immunodeficiency (HIV) and any other potentially infectious materials.

#### **A. EXPOSURE DETERMINATION**

Exposure to bloodborne pathogens at a construction site is, or should be very minimal. However, potential exposure possibilities exist. They are the following:

1. Employees who are insulin users and improperly dispose of insulin needles at the jobsite, thus creating potential bloodborne pathogens exposure incidents for other workers such as laborers who clean the work area.
2. Accident where occurrence or pooling of blood and/or other body fluids has occurred.
  - b. Disposal of Personal Protective Equipment (PPE) or personal clothing contaminated with blood and/or other body fluids.
  - c. Disposal of rags, compression pads and other materials contaminated with blood and/or other body fluids, liquid or semi-liquid, (i.e., dripping or caked).
  - d. This procedure does not apply to band aids, feminine hygiene products or gauze bandages.

#### **SCHEDULE AND METHOD OF IMPLEMENTATION**

##### **A. Methods of Compliance**

1. Universal precautions shall be observed to prevent contact with blood or Other Potentially Infectious Material (OPIM).
2. All body fluids shall be considered potentially infectious materials.

##### **B. Engineering Controls/Work Practices**

1. Hands are to be washed immediately or as soon as possible after exposure and removal of personal protective equipment. In the event suitable hand washing facilities are not present, Antiseptic hand cleaner/towelettes are in the first aid kits.
2. Eating, drinking, smoking, applying cosmetics or handling of contact lenses are prohibited where there is likelihood of exposure.

3. Trauma areas shall be immediately isolated and access restricted until all blood and OPIM contamination has been removed and the area disinfected.
4. Periodic inspections of this exposure control plan, along with recommendation for improvements, will be conducted by John Schuller or his designee.

C. Personal Protective Equipment

1. Appropriate PPE (CPR Mouth-Shield, Gloves, Face Shield, Gown, etc) will be provided at no expense to the employees covered by this procedure.
2. Circumstances will be investigated if the employee chooses not to use PPE because it would have prevented quick delivery of health care or could have posed an increased hazard to safety.
3. All PPE shall be removed immediately or as soon as possible following contamination. This will be done at the trauma scene.
4. Contaminated PPE will be properly disposed of.
5. All PPE shall be of the single use type and disposable.
6. Suitable replacement clothing shall be provided for those employees whose personal clothing becomes contaminated with blood or OPIM.

D. Housekeeping

1. Work areas will be kept in a clean and sanitary condition.
2. All equipment and working surfaces shall be cleaned and decontaminated after any contact with blood or OPIM.
3. All materials used for cleaning such as rags or chemical wipes shall be placed into "Red Bags" and sealed for proper disposal immediately after any clean up activity.
4. Any contaminated personal clothing shall also be removed and placed in "Red Bags" for proper disposal.

E. Hepatitis B Vaccination/Post Exposure Follow Up

1. Hepatitis B vaccine and vaccination series shall be made available to all employees having occupational exposure to bloodborne pathogens. Vaccinations will be given by an appropriate medical professional.
2. Hepatitis B vaccinations will be made available within 10 working days of assignment under the supervision of a licensed health care provider and without requiring prescreening.

3. Employees will also have the opportunity to decline the vaccination, however, if they decide to accept while covered by this procedure, the vaccination will still be made available. In any case, employees who decline to accept the vaccination will sign the mandatory declination statement at the end of this procedure.
4. Immediately following an exposure incident a confidential medical evaluation and follow-up will be provided for the employee. Appropriate information will also be made available to the medical examiner as required. A copy of the medical examiner's written opinion will then be provided to the employee within 15 days.

## **COMMUNICATING THE HAZARD TO THE EMPLOYEES**

### **A. Warning Labels**

Contaminated refuse and other regulated waste that is sent elsewhere for disposal will be labeled with a "Biohazard" label and "Red Bagged".

### **B. Information/Training**

1. All employees who might be occupationally exposed will be trained upon initial assignment and at least annually thereafter.
2. All training will be documented on the "employee training log".
3. The training program will include at least the following:
  - a. Accessible copy of the Bloodborne Pathogen Standard and explanation of its contents.
  - b. Epidemiology, signs and symptoms of bloodborne diseases.
  - c. Explanation of modes of transmission.
  - d. A copy and explanation of this exposure control plan.
  - e. Explanation of tasks & locations where exposure may occur.
  - f. Explanation of use and limitations of PPE, control methods and work practices.
  - g. Information on handling, decontamination & disposal of PPE.
  - h. Selection of appropriate PPE.
  - i. Information on Hepatitis B Vaccine and mandatory declination statement.
  - j. Information on appropriate action to be taken and persons to contact in emergencies involving blood or OPIM.
  - k. Explanation of procedures to follow if an exposure incident occurs.
  - l. Information on post exposure examination and follow up.
  - m. Confidentiality of medical records.
  - n. Explanation of warning labels.
  - o. Opportunity for questions and answers.



## **RECORDKEEPING**

- A. Medical Records  
To be maintained in accordance with 29 CFR 1910.1020 and 1910.1030(h).
- B. Training Records
  1. Maintained for three years.
  2. Shall include name and qualifications of trainer.
  3. Shall include names of personnel attending training.
- C. Availability
  1. All records are to be available as outlined in 29 CFR 1910.1020, upon request from the employee, OSHA Officials. Medical records must have written consent of the employee before released.
  2. At the close of the facility all records shall be transferred as outlined in 29 CFR 1910.1020 (h).

### **Responsibilities**

John Schuller or his designee will be responsible for maintaining all medical, training and if any, disposal records pertaining to compliance with this program.

**JR & Company**  
**DECLINATION STATEMENT**  
**HEPATITIS B VACCINATION**

I understand that due to my occupational exposure to blood or other potentially infectious materials I may be at risk of acquiring Hepatitis B Virus (HBV) infection. I have been given the opportunity to be vaccinated with Hepatitis B vaccine, at no charge to myself. However, I decline Hepatitis B vaccination at this time. I understand that by declining this vaccine, I continue to be at risk of acquiring Hepatitis B, a serious blood disease. If in the future I continue to have occupational exposure to blood or other potentially infectious materials and I want to be vaccinated with Hepatitis B vaccine, I can receive the vaccination series at no charge to me.

Name: \_\_\_\_\_ Employee

Social Security Number: \_\_\_\_\_

\_\_\_\_\_ Title:

\_\_\_\_\_ Employee Signature:

\_\_\_\_\_ Date:

## PERSONAL PROTECTIVE EQUIPMENT

## SECTION 6

### POLICY

Supervisors and employees will assess their work area exposures to identify if there is a need to increase the personal protective equipment (PPE) from the minimum level established. All employee-owned personal protective equipment used on company or customer's property must be kept in good working condition. Equipment must be checked periodically and be immediately removed from service if found defective.

### SCOPE

All work activities and exposures will be assessed to determine if hazards are present, or likely to be present, which will necessitate increasing the level of personal protective equipment (PPE) from the established minimum.

#### A. HARDHATS

1. All workers and visitors entering the project shall wear hard hats (when an overhead obstruction/hazard exists). Hard hats must be of the approved type that complies with ANSI Z89 1-1987 and be in good condition. Bump caps or baseball caps may not be utilized in place of hard hats.
2. The outside shell of all hard hats shall be free of paint, holes, cracks or cuts, and the inside suspension shall be in good working order.

#### B. EYE PROTECTION

1. Industrial grade protective shields, goggles or safety glasses with side shields are required to be worn while working in designated areas or when working conditions require such protection by all personnel working in the field.
2. Approved eye protection that complies with ANSI Z87 1-1989 will be worn by employees when machines or operations present potential eye injury from physical, chemical or radiation agents.
3. Employees exposed to laser beams shall be furnished suitable safety goggles, which will protect from the specific wavelength of the laser and be optical density (OD) adequate for the energy involved.
4. Employees involved in welding operations shall wear filter lenses or plates of at least the proper shade number required. Tinted safety glasses are prohibited.

**NOTE: NEVER LOOK DIRECTLY INTO THE ARC OF AN ELECTRIC WELDER WITHOUT PROPER EYE PROTECTION!**

#### C. HEARING PROTECTION

1. Hearing protection must be worn in designated areas. Generally, if you cannot speak in a normal tone at arm's length to your fellow workers you should wear hearing protection.

2. Only approved earplugs or earmuffs shall be worn when using certain tools and equipment. Cotton or paper shall not be used as a substitute for proper hearing protection.
3. Approved hearing protection will be issued by the company to any employee requiring it.

D. RESPIRATORY PROTECTION

1. Only approved respiratory protection shall be issued by the company to any JR & Company employee requiring it.
2. If any reasonable doubt exists as to whether respirators are needed, the atmosphere shall be tested for any suspected contaminant to determine the concentration. A competent person skilled shall do the testing in the use and testing equipment needed to properly determine any contaminant level.
3. Respirators shall be selected based on the hazards to which the workers are exposed.
4. Any person required to wear a respirator shall be determined by a medical doctor to be medically fit to wear a respirator.
5. Any employee required to wear a respirator shall be instructed and trained in the proper use of respirators and their limitations. A competent person skilled in the selection and use of respirators shall do the training.
6. All respirators shall be regularly cleaned and disinfected. Those respirators used by more than one worker shall be thoroughly cleaned and disinfected after each use.
7. Respirators shall be inspected daily. Any respirator found defective shall be repaired or replaced.
8. Respirators shall be stored in a clean, sanitary, and convenient location.
9. Excessive facial hair, such as beards, long side burns or bushy moustaches will interfere with the proper fit of respirators. Employees required to wear respirators will not have an excess of one-day beard growth.
10. Contact lenses shall not be worn with respirators. If corrective spectacles or goggles are required they shall be worn so as not to affect the fit of the respirator face piece.
11. All PPE will be inspected for proper fit prior to use. Respirators will be "Qualitative" fit tested by the manufacture's representative or a qualified safety consultant. Records of such will be maintained in Tab 4.

E. FOOT PROTECTION

1. Approved safety shoes shall be worn at all times. Only sturdy, heavy duty work shoes or boots are permitted. Canvas shoes, tennis shoes, open-toe shoes or street loafers are not permitted.

2. Rubber boots with protection should be used on jobs subject to chemically hazardous conditions.
3. Foot guards must be worn when working in areas that require them.

F. GLOVES

1. Gloves should be worn when handling rough or sharp edges, abrasive materials, welding, handling hot items or splintered material.
2. Plastic or rubber gloves must be worn when working with acids, corrosives, solvents, chemically treated material, etc.

G. PROPER CLOTHING

1. Shirt - Shall be worn by all workers. Short sleeves or sleeveless shirts are permitted, but shall cover the upper shoulder from the base of the neck to arm. Shirts shall also cover the trunk of the body, starting at the base of the neck to the belt line.
2. Trousers - Heavy duty trousers covering the length of the leg to the boot top must be worn on all jobsites and in the shop.
3. Shorts/Cut-off - This type of apparel is not allowed because it does not protect the legs from the elements or hazards encountered on a jobsite(s).

H. FLAGMAN VESTS

Reflective vests shall be worn when flagging or when exposed to traffic.

I. SEAT BELTS

Seat belts must be installed in the front seats of all company owned cars, pickups and trucks. Seat belt use is mandatory in all company owned, leased or rented vehicles.

J. EMPLOYEE TRAINING

Initial training of all employees will be given by a qualified safety professional, prior to issuance of PPE. Annual (refresher) training will be conducted, or when there is a change in the workplace making the previous training obsolete; or when the employee demonstrates lack of use, improper use, or insufficient skill or understanding.

Certification of the training conducted shall include the employee name, date(s) of training, and the subject matter.

K. HAZARD ASSESSMENT

Prior to commencement of a project, a written hazard assessment will be conducted by a Qualified Safety Professional. The hazard assessment must indicate a determination if hazards are present or likely to be present, which require the use of PPE.

Certification of the assessment shall be conducted by signature of the assessor, date(s) of assessment and identification of the assessment document(s).

## FALL PROTECTION AND PREVENTION

## SECTION 7

### POLICY

Supervisors and employees will assess all work area exposures to identify fall hazards and to ensure methods to prevent fall or protection for those workers who are exposed to fall hazards, will utilize the proper protective equipment. All fall protection equipment used on company or customer's property must be kept in good working condition. Equipment must be checked periodically and be immediately removed from service if found defective.

### SCOPE

All work activities and exposures will be assessed to determine if fall hazards are present, or likely to be present, which will necessitate increasing the level of fall protection.

#### A. PURPOSE

1. This instruction is a plain language re-write of OSHA Instruction STD 3.1, the Agency's interim enforcement policy on fall protection for certain residential construction activities.
2. Fall protection requirements for residential construction are set out in 29 CFR 1926.501(b)(13). In general, that provision requires conventional fall protection for work at or over six feet. However, OSHA Instruction STD 3.1 modifies those requirements. It permits employers engaged in certain residential construction activities to use alternative procedures routinely instead of conventional fall protection. No showing of infeasibility of conventional fall protection is needed before using these procedures. A fall protection plan is required but it does not have to be written nor does it have to be specific to the jobsite. Different alternative procedures are specified for different activities.

#### B. AVAILABILITY OF ALTERNATIVE PROCEDURES Alternative procedures are available to employers who are (1) engaged in residential construction, and (2) doing one of the listed activities.

1. Definition of "residential construction."
2. For purposes of this instruction, an employer is engaged in residential construction where the working environment, materials, methods, and procedures are essentially the same as those used in building a typical single-family home or townhouse.

#### C. LISTED ACTIVITIES AND ALTERNATIVE PROCEDURES

There are four groups of residential construction activities for which alternative fall protection plans are available. Each group has its own set of alternative procedures and will be discussed. The groups are:

1. GROUP 1. Installation of floor joists, floor sheathing, and roof sheathing; erecting exterior walls; setting and bracing roof trusses and rafters.

2. GROUP 2. Working on concrete and block foundation walls and related formwork.
3. GROUP 3. This group consists of the following activities **when performed in attics and on roofs**: installing drywall, insulation, HVAC systems, electrical systems (including alarms, telephone lines, and cable TV), plumbing and carpentry.
4. GROUP 4. Roofing work (removal, repair, or installation of weatherproofing roofing materials such as shingles, tile and tar paper).

D. ALTERNATIVE PROCEDURES FOR GROUP 1: INSTALLATION OF FLOOR JOISTS, FLOOR SHEATHING, AND ROOF SHEATHING; ERECTING EXTERIOR WALLS; SETTING AND BRACING ROOF TRUSSES AND RAFTERS.

The alternative measures for this group are set out in Appendix E to Subpart M. Appendix E requires the employer to implement a Fall Protection Plan. Such a plan must lay out the safest procedures to be followed at the work site to prevent falls. Although the plan need not be in writing, it must be communicated to all employees on site who might be subject to fall hazards.

NOTE: Height Limitation: The Appendix E plan may only be used on structures up to three and a half stories or 48 feet (including basement, two finished levels, attic). The 48' measure is from the base of the building, at the lowest ground level (including any excavation), to the point of greatest height. The following are the required elements of the plan.

1. General Requirements For Group 1 Activities. Training, Implementation/Supervision By Designated Individuals, Controlled Access Zones, Plan Administration (required for all Group 1 activities).

1. Training

Each employee performing work in Group 1 activities must be trained in the requirements of the Plan. The employer must ensure that the employees (1) understand the procedures and follow the instructions of the crew supervisor or foreman; (2) are able to recognize unsafe/hazardous conditions and are to report them to the employer; (3) can create a greater hazard and are instructed to inform the Competent Person before proceeding when that occurs. Training and retraining violations shall be cited under 29 CFR 1926.503(a) and 1926.503(c). Subsection 1926.503(b) may not be cited for residential construction.

Any concerns raised by employees at any time during construction must be addressed (determined to be valid or not) before work proceeds.

2. Implementation/Supervision.

- a. Competent Person.

The employer must designate a Competent Person, who will be charged with implementing the Plan. The Competent Person must continually monitor compliance with the Plan, including the provision of training and proper use of Controlled Access Zones.



b. Qualified Person.

The employer must designate a qualified person to approve any changes to the Plan.

c. Crew Supervisor/Foreman.

The employer must designate a crew supervisor or superintendent and charge him or her with the responsibility of immediately correcting any unsafe practice or condition.

3. Controlled Access Zones.

For purposes of this Instruction, a Controlled Access Zone (CAZ) restricts access to a clearly designated area where a Group 1 activity (installation of floor joists, floor sheathing, roof sheathing; erecting exterior walls; setting and bracing roof trusses and rafters) is taking place. The CAZ must meet the following requirements:

a. Boundaries.

The competent person shall determine the boundaries of the CAZ and clearly mark them with signs, wires, tapes, ropes or chains.

b. Monitor.

The crew supervisor/superintendent shall monitor the workers in the CAZ to ensure that they do not engage in unsafe practices.

c. Restricted Access.

Access to the CAZ must be restricted to authorized entrants. An authorized entrant is a worker who has received the training described above. The competent person must identify each entrant as an authorized entrant after the employee has successfully completed the training.

d. Final Check.

Before work begins in the CAZ, the competent person must ensure that all protective measures in the Plan have been implemented.

4. Additional Requirements for Specific Group (1) Activities.

1. Installing Roof Trusses and Erecting Rafters.

1. Walls up to 8 Feet.

Interior scaffolds must be installed along the interior wall, below the area where the trusses/rafters will be located. This can often be accomplished with "sawhorse" scaffolds constructed of 46 inch sawhorses and 2 x 10 planks.

2. Walls over 8 Feet.

If using scaffolds and ladders throughout the process would create a greater hazard, the following general requirements and specific procedures apply.

(1). Walls over 8 feet. General requirements.

(a). Falling Objects/Restricted Access.

Once truss/rafter installation begins, workers not involved in that activity shall not stand or walk below or adjacent to the roof opening or exterior walls in any area where they could be struck by falling objects.

(b). Bracing.

Trusses/rafters must be adequately braced before any worker may use them as a support.

(c). Designated, Trained Workers.

The employer must designate the trained workers who will work on top plate, and those who will work on the peak.

(d). Restricted Duties.

Top plate workers shall have no other duties during truss/rafter erection.

(2) Procedures for working on the top plate.

(a). Installing The First Two Trusses.

The first two trusses/rafters must be set from ladders. The ladders must lean on side walls at points where the walls can support the load imposed by the ladder and worker. After the first two trusses/rafters have been set, a worker will climb a ladder into the interior top plate to secure the peaks.

(b). Remain On The Top Plate.

Workers will remain on the top plate and use the previously stabilized trusses/rafters as support while the other trusses/rafters are erected.

(3) Procedures for working at the peak.

(a). When Workers May Work On Peaks/Ridge Beam.

Workers detaching trusses from cranes or securing trusses at the peaks may be positioned at the peak of the trusses/rafters. Workers may be stationed on the top of the ridge beam where that is the only feasible way to secure rafters to the ridge beam.

(b). Stable Work Position.

Workers at the peak, in the web of trusses, or on top of the ridge beam shall work from a stable position. They must either sit on a ridge seat (or the equivalent) or position themselves in previously stabilized trusses/rafters and lean into, and reach through, the trusses/rafters.

(c). Limited Fall Hazard Exposure.

Workers must not remain on or in the peak/ridge any longer than necessary to complete the task safely.

2. **Roof Sheathing Operations.** The competent person must determine when the roof system is stable enough to support a conventional fall protection system anchorage. The following provisions apply until the roof system can be used as an anchorage point; at that time personal fall arrest systems must be used.
  1. **Qualified Workers.**  
Only qualified workers shall install roof sheathing.
  2. **Secure Footing/Weather.**  
The employee must ensure that workers remove slip hazards before walking on sheathing. Such measures include removing mud from shoes or boots. When wet weather is present, roof sheathing shall be suspended unless safe footing can be assured. If winds exceed 40 miles per hour, sheathing operations are to be suspended, unless wind breakers are erected.
  3. **Staging of Materials.**  
To minimize exposure to fall hazards, materials must be staged so that workers on the roof have quick and safe access to them.
  4. **Falling Objects/Restricted Access.**  
Workers not involved in roof sheathing shall not stand or walk below or adjacent to the roof opening or exterior walls where they could be struck by falling objects. The competent person shall clearly designate the restricted area before placement of the first piece of sheathing. The competent person may order a brief halt to the sheathing work to allow other workers to pass through the restricted area, as long as suspending work does not create a greater hazard.
3. **Installation of Floor Joists and Floor Sheathing.**
  1. **Designated, Trained Workers.**  
The employer must designate the trained workers who will do this work.
  2. **Staging of Materials.**  
To minimize exposure to fall hazards, materials must be staged so that workers have quick and safe access to them.
  3. **Restricted Access.**  
While this work is taking place, workers not directly assisting in it shall not be permitted within six (6) feet of the leading edge.
  4. **Installation Process: Floor Joists/Trusses.**  
The first floor joist or truss must be rolled into position and secured by workers on the ground, ladders, or sawhorse scaffolds. Successive joists/trusses must be rolled into place.

They are then to be secured from a platform. The platform is to be built from a sheet of plywood laid over the previously secured floor joists or trusses.

5. Installation Process: Floor Sheathing.  
The first row of floor sheathing must be installed by workers on the ground, ladders, or sawhorse scaffolds. After the first row of sheathing has been installed, workers shall work from the established deck.
4. Erection of Exterior Walls.
  1. Designated, Trained Workers.  
The employer must designate the trained workers who will do this work.
  2. Warning Line.  
A painted warning line six (6) feet from the perimeter will be clearly marked before any wall erection activities take place.  
  
NOTE: As discussed above, this work must be done within a CAZ. A crew supervisor/foreman is required to monitor this work and warn anyone who approaches the unprotected edge. The warning line does not replace the monitor; it is an additional safety measure.
  3. Staging of Materials.  
To minimize exposure to fall hazards, materials must be staged so that workers have quick and safe access to them.
  4. Limit Fall Hazard Exposure.  
Workers constructing exterior walls shall complete as much cutting of materials and other preparatory work as possible away from the edge of the deck.

**NOTE: Wall openings (more than six feet above the lower level), floor holes and roof holes:** As soon as sheathing has been installed around a floor hole, roof hole, or wall opening that is not going to be sheathed (such as a hole for a doorway, stairwell or skylight), it must be covered, or protected by a guardrail.

E. ALTERNATIVE PROCEDURES FOR GROUP 2: WORKING ON CONCRETE AND BLOCK FOUNDATION WALLS AND RELATED FORMWORK.

This Instruction specifies the alternative procedures for protecting employees working from the top surface of block foundation walls, concrete foundation walls, and related form work. These procedures are:

1. **Trained Workers Only.**  
Only trained workers shall be allowed to work on the top of the foundation wall/form work, and only as necessary to complete the construction of the wall.
2. **Adequate Support.**  
All formwork shall be adequately supported before any worker may work on top of the form work.
3. **Bad Weather.**  
When adverse weather (such as high winds, rain, snow, or sleet) creates a hazardous condition, operations shall be suspended until the hazardous condition no longer exists.
4. **Staging of Materials/Equipment.**  
Materials and equipment for the work shall be conveniently located to the workers on the top of the foundation/formwork.
5. **Impalement Hazards.**  
Materials and other objects which could pose impalement hazards shall be kept out of the area below where workers are working or shall be properly guarded.

F. ALTERNATIVE PROCEDURES FOR GROUP 3: THIS GROUP CONSISTS OF THE FOLLOWING ACTIVITIES WHEN PERFORMED IN ATTICS AND ON ROOFS: INSTALLING DRYWALL, INSULATION, HVAC SYSTEMS, ELECTRICAL SYSTEMS (INCLUDING ALARMS, TELEPHONE LINES, AND CABLE TV), PLUMBING AND CARPENTRY.

This Instruction specifies the procedures for this group. They are:

1. **Trained Workers Only.**  
Only trained workers shall be allowed to work in attics and on roofs, and only as necessary to complete the construction of the system being installed.
2. **Staging of Materials.**  
Materials and equipment for the work shall be located conveniently close to the workers.
3. **Impalement Hazards.**  
Materials and other objects which could pose impalement hazards shall be kept out of the area below where workers are working, or properly guarded.

4. **Restricted Access.**  
While attic or roof work is in progress, workers not involved in such work shall not stand or walk below or adjacent to any openings in the ceiling where they could be struck by falling objects.
5. **Bad Weather.**  
When adverse weather (such as high winds, rain, snow, or sleet) creates a hazardous condition, operations shall be suspended until the hazardous conditions no longer exists.

NOTE: The provisions of this Instruction do not apply to interior finishing work when done outside of attics or roof areas. Subpart M applies to such work with respect to stairways, stairways openings, walkways, floor or window openings, floor holes or other elevated openings or open sides.

G. **ALTERNATIVE PROCEDURES FOR GROUP 4: ROOFING WORK (REMOVAL, REPAIR, OR INSTALLATIONS OF WEATHERPROOFING, ROOFING MATERIALS SUCH AS SHINGLES, TILE AND TAR PAPER).**

Restriction on Application for Roofing Work. The alternative procedures in this Instruction may only be used for this work where: (a) the roof slope is 8 in 12 or less, **and** (b) the fall distance, measured from the eave to the ground level, is 25 feet or less.

2. **General Requirements.**
  1. **Trained workers only.**  
Only workers who have been trained to be proficient in the alternative methods of fall protection shall be allowed onto the roof. In addition, each affected employee shall be trained to ensure specific awareness of the fall hazards associated with work on roofs with rake edges ("rake edges" are inclined roof edges, such as those on the gable end of a building).
  2. **Slip Hazards.**  
The roof surfaces shall be inspected for slipping hazards. The employer shall either eliminate any such hazards or take effective measures to have workers avoid them. The employer shall have workers wear appropriate footwear to reduce the potential for slipping.
  3. **Bad Weather.**  
When adverse weather (such as high winds, rain, snow, or sleet) creates a hazardous condition, roofing operations shall be suspended until the hazardous condition no longer exists.
  4. **Roof holes/openings.**  
The employer shall have any damaged portions of the roof deck repaired as soon as practicable. Any holes (including skylight openings) or other areas where employees would not have safe footing shall be covered or surrounded by guardrails that comply with the requirements of 1926.502.

5. **Ladders/Scaffolds.**  
If ladders or scaffolds are used, they shall be erected and maintained in accordance with the requirements of Subparts X and L of OSHA's construction standards. In addition, employees shall be trained in accordance with the requirements of Subparts X & L.
  6. **Access To Roof.**  
Employers shall not allow workers to ascend or descend the roof's slope within 6 feet of the rake edge except where that limitation would prevent the performance of work.
  7. **Location of Materials.**  
Supplies and materials shall not be stored within 6 feet of the rake edge, or three feet where tile roof systems are being installed.
  8. **Impalement Hazards.**  
The area below the eaves and rakes shall be kept clear of materials and other objects which could pose impalement or other hazards, or properly guarded.
3. **Safety Monitors and Slide Guards (for roofs with an eave height of up to and including 25 feet).**
    1. **Roof Slope (Any Roof Type):** Up to 4 in 12. The employer must use either a safety monitoring system that complies with 1926.502, or roofing slide guards. If slide guards are used, they must be built and installed in accordance with the requirements set out below.
    2. **Roof Slope (Except Tile or Metal Roofs):** Over 4 in 12 (and up to 8 in 12): Slide guards are required.
    3. **Roof Slope (Tile or Metal Roofs):** Up to (and including) 8 in 12: The safety monitoring system may be used instead of slide guards.
    4. **Roof Slope (Any Roof Type):** Over 8 in 12: Alternatives to the requirements of the standards are not available.
    5. **Eave Height Over 25 feet (Any Slope, Any Roof Type):** Alternatives to the requirements of the standards are not available.
  4. **Slide Guards: Requirements for Materials, Configuration and Installation.**
    1. **Roof Slope: 6 in 12 or less:**
      1. **Material.** All slide guards must be constructed of 2" x 6" (nominal) stock.
      2. **Installation.** No more than three rows of roofing material (installed across the lower eave) shall be applied before installing the slide guards. The roof jacks (or similar supports) shall be installed using nails long enough to withstand an employee sliding into the guard.

3. Configuration. The Face of the slide guard must be perpendicular (about 90 degrees) to the surface of the roof. There must be continuous slide guards along the eave.
2. Roof Slope: Over 6 in 12 (up to and including 8 in 12):
  1. Material: 2"x 6" stock.
  2. Installation: Continuous slide guards shall be installed along the eave, as described above. Additional slide guards shall be installed below each work area at intervals not to exceed eight feet. They shall be installed using the following procedure: the employee, while standing on the slide guard below, secures the roof jacks for the next slide guard with nails and then installs the planks. The employee then climbs up to the new slide guard to continue the roofing work. This sequence is repeated as work proceeds up the roof.
  3. Configuration: The continuous slide guards at the eave must be at about 90 degrees to the roof surface, as described above. The additional slide guards need not be continuous -- but they must be long enough to protect the work area. They do not have to be at 90 degrees to the roof surface.
  4. Removal: Once the roofing material is installed to the ridge, the employee is to climb down to the next lower slide guard and remove the upper slide guard. The employee repeats this process down the roof until all the slide guards are removed. Only when the roofing job is completed may the slide guards at the eave be removed.

#### H. FLOOR AND WALL OPENINGS

1. Standard guardrail systems shall consist of a top rail, intermediate rail, and toe board. The top shall be 42 inches, plus or minus 3 inches above the walking/working level.

**NOTE: When workers are utilizing stilts, the top edge height of the top rail shall be increased an amount equal to the height of the stilts.**

2. Ladder way floor openings or platforms shall be guarded by standard railings with toe boards on all exposed sides.
3. Every open-sided floor or platform six (6) feet or more above an adjacent floor or ground level shall be protected by a standard guardrail system. Wire rope can only be utilized for perimeter floor protection. When wire rope is utilized for perimeter floor protection, two (2) strands of wire rope shall be installed per OSHA standards of at least 200 pounds of protection and must be utilized to serve as a top-rail and mid-rail. The top wire rope shall not have more than three (3) inches of deflection and be flagged at not more than six (6) feet intervals with highly visible material. If these cables are to be used as fall arrest anchorage points, then these cables shall have 5,000 pounds of protection for each person attached.