

# OTTO ROSENAU & ASSOCIATES, INC.

Geotechnical Engineering, Construction Inspection & Materials Testing

## CONSTRUCTION INSPECTION REPORT

Report Number: 301179

Project:	Bogaard Residence	Permit Number:	BP-14-00352
Address:	191 Larkspur Loop, Cle Elum	Job Number:	15-0449
Client:	MacPherson Construction & Design	Client Address:	21626 SE 28 <sup>th</sup> St, Sammamish

### Inspections Performed

Steel Decking		Other (specify): Non-Destructive Examination (Magnetic Particle Testing Report #54793)	X	Other (specify):	
Structural Steel Fabrication					
Structural Steel Erection	X				

### Inspector and Date

### Remarks

Bob Schaefer  
06/30/15

Arrived on site to provide visual and non-destructive weld examinations on the main stairway steel framing, near the main entry. At time of inspection, no plans were available and the welder was not on site. However, the framing welds are completed from 1<sup>st</sup> to 2<sup>nd</sup> floor. No stair tread attachments in place.

The framing is constructed with C12 steel members and the stiffeners and attachment welds are the correct size for the material thickness. There are three total splices (two intermediate and one at top – second floor landing). The C12 webs are 1/4" in thickness. This inspector chose to do a magnetic particle examination, on the three complete joint penetration splices, in lieu of ultrasonic examination. All completed welds are visually acceptable.

The contractor will send the welder certifications to our office, at a later date.

Reference Standards Used: AWS D1.1-10

Framing **conforms** to previously noted standards

### Copies to:

Client		Engineer
Owner	X	Contractor
Architect	X	Building Dept.



Technical Responsibility:

Jeff Rabe, Project Manager

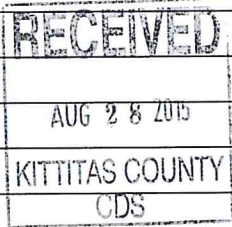
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## MAGNETIC PARTICLE REPORT

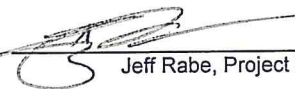
Job Number:	15-0449	Report Number:	54793	Permit Number:	BP-14-00352	
Project:	Bogaard Residence		Client:	MacPherson Construction and Design		
Address:	191 Larkspur Loop, Cle Elum		Address:	21626 SE 28 <sup>th</sup> St, Sammamish		
Date:	06/30/15		Technician/Level:	Bob Schaefer, Level II		
ITEM INSPECTED (Weld Location and Identification)			Discont. Type	Conforms	Does Not Conform	TECHNIQUE
C12 Stair Riser Splice						<b>ACCEPTANCE STANDARD</b>
Intermediate Level – North Web and Flange				X		<input checked="" type="checkbox"/> AWS D1.1-10
Intermediate Level – South Web and Flange				X		OTHER: _____
Top Level – East – Web and 2 Flanges				X		<b>PROCEDURE</b>
						<input checked="" type="checkbox"/> ORA NDT-OP-02
						<input checked="" type="checkbox"/> ASTM E709 <input type="checkbox"/> E1444
						OTHER: _____
						<b>EQUIPMENT TYPE</b>
						<input checked="" type="checkbox"/> YOKE
						<input checked="" type="checkbox"/> MAKE/MODEL: <u>Parker/DA200</u>
						SERIAL NO.: <u>33872</u>
						ORA NO.: <u>0126</u>
						<b>CURRENT</b>
						<input checked="" type="checkbox"/> AC
						<input checked="" type="checkbox"/> DC
						<input checked="" type="checkbox"/> CONTINUOUS
						<b>MEDIA EXAMINATION</b>
						<input checked="" type="checkbox"/> DRY VISIBLE
						<input type="checkbox"/> WET VISIBLE
						<input type="checkbox"/> FLUORESCENT
						<b>COLOR</b>
						<input type="checkbox"/> WHITE / LIGHT GRAY
						<input checked="" type="checkbox"/> RED
						OTHER: _____
Discontinuity Codes: P = Porosity, C = Crack, SL = Slag						



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Architect	X	Building Dept.
Engineer		

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Jeff Rabe, Project Manager

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Page 1 of 1

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Form No.: ADMIN-51-05 (Rev 04/06)