

# Philippe Lalonde, P.E., S.E., M.L.S.E.

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6617 Red Bud Road, Fort Worth, Texas, 76135

Experience	2006 to Present	Lalonde Engineering Inc.
	President	
	<ul style="list-style-type: none"><li>▪ Coordination and production of commercial, residential, and retail projects</li><li>▪ Administrator of office policy and performance</li><li>▪ Project management responsibilities for all projects in the company</li><li>▪ Licensed in twenty-five states including Arizona (S.E.), Nevada (S.E.), California (C.E.), Texas, and Florida.</li></ul>	
	2004 - 2006	Carter + Burgess Inc.
	Structural Engineer	
	<ul style="list-style-type: none"><li>▪ Responsible for proto-type and rollout of retail pharmacies for over twenty state markets.</li><li>▪ EIT and CAD technician in producing drawings for rigorous construction schedule.</li></ul>	
	1996–2004	Frank W. Neal and Associates Fort Worth, Texas
	Project Engineer	
	<ul style="list-style-type: none"><li>▪ Responsible for projects from inception to completion of construction.</li><li>▪ Supervised graduate, EIT, and intern engineers.</li><li>▪ Projects included retail, commercial, and residential properties.</li><li>▪ Design experience includes steel, wood, and concrete materials.</li><li>▪ Developed innovative system to analyze over eighty fiberglass steeples.</li></ul>	
	1994-1996	GNR Engineering, Inc. Solana Beach, California
	Associate Engineer	
	<ul style="list-style-type: none"><li>▪ Served as design engineer until promoted to project engineer for twenty projects.</li><li>▪ Designed lateral force resisting systems for high seismic areas.</li></ul>	
	1993-1994	Deardorff & Deardorff Inc. San Diego, California
	Engineer-In-Training	
	<ul style="list-style-type: none"><li>▪ Involved in the design of framing and tilt wall construction for several projects.</li><li>▪ Performed construction observations and wrote field reports.</li></ul>	
Education	1988-1993	University of California, San Diego La Jolla, CA
	<ul style="list-style-type: none"><li>▪ B.S. Structural Engineering. Steel, Concrete, and bridge design.</li></ul>	

1996-1998 Southwestern Baptist Theological Seminary Ft. Worth, TX

- M.A. Christian Education. Youth Ministry.

Passed Structural Engineer I and Structural Engineer II exams for licensing administered by the National Council of Examiners for Engineering and Surveying. Attained status as Model Law Structural Engineer with NCEES.

## Special Projects

### **Adriatica Development; McKinney, Texas**

**I provided the structural engineering for the Real Estate Center, retail Center, Medical office building and Retail/Office building within this development. These structures are wood framed and implement several structural solutions for the support of stone within wood structures.**

### **Fort Worth Museum of Science and History; Fort Worth, Texas**

**I was co-lead engineer on this \$16 million museum expansion project. The project consisted of five separate buildings attached by a central corridor. The design team was led by Lake-Flato Architects of San Antonio (2003 AIA National Firm of the Year). The design was unique and we solved several engineering challenges in the design phase. The architectural design concept created the need for creative solutions to lateral force resistance which we solved using innovative bracing schemes. The design was not ultimately implemented.**

### **Edmond Church of Christ; Edmond, Oklahoma**

**This 3,000+ seat sanctuary and education complex was a hybrid of wood joist and prefabricated roof trusses supported by glulam arches and metal stud walls. The overall building was a central sanctuary with four wings making the complex appear as a cross. The wood detailing required between the wings and the center sanctuary was complex. I was lead engineer from concept through construction.**

### **Stonebriar Community Church; Frisco, Texas**

**Chuck Swindoll's church was designed as a steel frame and tilt wall building. The sanctuary capacity was 1,500+ with the capacity to expand through a side wall. The sanctuary was surrounded on three sides with two-story education space. The joist span across the sanctuary was over 100 feet.**

### **Mouser Electronics**

**This project involved designing a warehouse and attached three-story office tower. The warehouse was designed as joist, joist girder, and tilt-up concrete panel with no perimeter columns. Special detailing was required at the panel joints where the joist girders were supported. The office tower was steel framing with tilt-up concrete panel façade. The window openings were long and did not allow for a normal panel system. A concrete “tilt-panel tree” was designed for each side of the windows which supported long “beam panels” which spanned above the windows. This unique design allowed for quick installation of the panels. Several different expansion joints details were developed to allow the steel and concrete to move independently while maintained vertical support capacity where needed.**

### **Farmers Branch Recreation Center; Farmers Branch, Texas**

**This project was a gymnasium and activity room complex. The activity room area was two story with a second floor weight area and dance room. Floor vibrations were analyzed to ensure that the floor would be acceptable to the client. The entire foundation was designed as a two-way pier supported flat plate due to the soil conditions. The gymnasium consisted of two complete gym facilities with a center bridge between the spaces. There was also a perimeter suspended jogging track around the entire gym facility. The track was designed as a suspended steel and concrete deck framework hanging from the large steel trusses above and attached to perimeter columns.**

### **Pecan Place Condominiums; Down Town Fort Worth, Texas**

**This unique four story building consisted of three stories of wood framed condominiums above a concrete parking garage. I was responsible for the design of the three-story wood structure. The architectural design included many perimeter windows taking advantage of the views of Down Town. This created several challenges in designing the lateral shear wall systems. Creative detailing and new technology were used to create the open and safe structure proposed by the architect.**

### **Peterson Residence; Justin, Texas**

**This was a unique steel design for a residence. The owner wanted a seventy-five foot square pyramid with no central supports. I designed a hipped steel moment framed structure that met the owner’s requirements. The peak was over forty feet above the floor level. A suspended glass walkway was designed twelve feet above the floor level**

hanging from the wide flange rafters allowing the residents to enjoy views from windows in the roof.

**Donald Huffines Residence; Highland Park, Texas**

This 13,000 square foot home was a three-story wood structure. The first floor was a partial basement dug into the natural weathered shale. There was a concrete shelter built into this level. The spacious living room had a thirty-foot ceiling and was clear spanned by large glu-laminated beams. The house surrounded a central motor court on three sides and was finished with granite on all exterior walls.