Mayflower Congregational Church
Oklahoma City, Oklahoma

Acoustic and Organ Consultation

Mayflower Congregational Church’s worship space is a long and fairly narrow New England Colonial style building with reasonably tall side walls. Original interior materials included significant amounts of carpeting, and many wall and ceiling surfaces clad with sound absorbing acoustic tile treatments. The Chancel choir area was limited in size and flexibility, and separated singers from each other in transepts with low ceilings and with large modesty railings.

The former organ was an electro-pneumatic unit organ, inadequate in size for the church’s music program and worship space size, and suffering from failing mechanisms. The former organ pipes were located in a tone-restrictive side chamber that was without adequate climate control.

The extensive music program of the church called for a reliable instrument, capable of accompany and leading sacred music of many styles. Further, adequate flexible and functional space and a supportive acoustical environment were necessary to the present and future goals of the church’s music ministry.

Acoustic improvements to the room include the use of hard surface flooring throughout along with sound reflective and diffusing, hard, dense wall and ceiling gypsum board and plaster treatments. The Chancel and choir area were enlarged by extending the space towards the nave. The Chancel now accommodates all liturgical functions as well as provides space for choir singers, the organ console, a grand piano, and other instrumentalists. Modesty railings are spindle/baluster type to allow unobstructed sound projection. Access is facilitated with a chair lift.

The new Glück organ is located in twin chambers at the front and sides of the Chancel. The primary divisions are on the long axis of the room, in cases/chambers that flank the central Chancel window. The casework and façade blend into the architectural style of the room, and the expression chambers are finished in multiple layers of dense, sound reflective gypsum board, with both insulation and air circulation fans to stabilize tuning/temperature conditions for the organ. The organ action is electric with some unit actions. The movable side-jamb stop tab console has a complete multi-level combination system. The organ employs some restored and rebuilt pipe work from the previous Mayflower Church organ, along with re-purposed pipes from Glück stock, as well as new ranks.

Mayflower Congregational Church
3901 Northwest 63rd Street
Oklahoma City, OK 73116
405-842-8897

Glück Pipe Organs
170 Park Row, Suite 20 A
New York, NY 10038-1156

ADG Architects
Mr. Steven Matthews, AIA
116 E. Sheridan, Suite 100
Oklahoma City, OK 73104
405-232-5700

Scott R. Riedel & Associates, Ltd.
819 N. Cass St.
Milwaukee, WI 53202-3908
Phone: (414) 771-8966 Fax: (414) 771-0138
Web: www.riedelassociates.com
Email: consult@riedelassociates.com
Great Organ (Unenclosed)
- 8' Open Diapason
- 8' Holz Gedeckt
- 4' Principal
- 2' Fifteenth
- IV Mixture
- 8' Trumpet (Swell)

Great Organ (Expressive)
- 16' Bourdon
- 8' Harmonic Flute (Choir)
- 8' Gemshorn (Choir)
- 8' Vox Angelica (Choir)
- 4' Nason Flute
- 8' Clarinet (Choir)

Swell Organ (Expressive)
- 8' Viole de Gambe
- 8' VoixCeleste
- 8' Stopped Diapason
- 4' Principal
- 4' Chimney Flute
- 2-2/3' Nazard
- 2' Piccolo
- 1-3/5' Tierce
- IV Mixture
- 16' Bassoon
- 8' Trumpoet
- 8' Oboe d'Amore
- Tremulant

Choir Organ (Expressive)
- 8' Solo Diapason (Pedal)
- 8' Gemshorn
- 8' Vox Angelica
- 8' Bourdon (Great)
- 4' Gemshorn
- 4' Harmonic Flute
- 2' Principal
- 2' Recorder
- 1' Fife
- 8' Clarinet
- Tremulant

Pedal Organ
- 32' Infrabass
- 16' Contrabass
- 16' Subbass
- 16' Bourdon (Great)
- 8' Principal
- 8' Gemshorn (Choir)
- 8' Bourdon (Great)
- 4' Fifteenth
- 4' Flute (Great)
- 2' Choral Bass
- 32' Contrabassoon
- 16' Trombone
- 16' Bassoon (Swell)
- 8' Trumpet (Swell)
- 8' Bassoon (Swell)
- 4' Clarinet