

# Petty-Madden, Opus 55 - 2006

*First Congregational Church of Berkeley, California*

<b>Great (II or I)</b>	<b>Swell (III)</b>	<b>Choir (I or II)</b>	<b>Solo (IV)</b>	<b>Pedal</b>
(West chamber)	(East chamber)	(East chamber)	(West chamber)	(West chamber)
16' Sub Principal	16' Contra Gamba	16' Bourdon, 1-28w	8' 'Cello	32' Bourdon, w
8' Principal	8' Diapason	8' Principal	8' 'Cello Celeste	16' 1st Principal
8' Gamba	8' Viola da Gamba, ext.	8' Salicional	8' Flauto Mirabilis	16' 2nd Principal (Gt.)
8' Harmonic Flute	8' Vox Celeste	8' Unda Maris (TG)	16' English Horn	16' Contra Gamba (Sw.)
8' Chimney Flute 1-20w	8' Rohr Gedackt, 1-16w	8' Vox Ætheria II	8' Clarinet	16' Subbass, ext. 32'
4' Octave	8' Flauto Dolce	8' Gedackt, 1-20w	8' Tuba Mirabilis	16' Bourdon (Ch.)
4' Traverse Flute	8' Flauto Celeste	4' Octave	8' Trompette-en-chamade (Gt.)	8' Octave
+ 2' Octave	4' Octave	4' Koppel Flute	(Solo terrace, continued)	8' Gedackt Pommer
+ 2' Fourniture V	4' Hohl Flute	+ 2 2/3' Quint	MIDI on Solo	8' Bourdon (Ch.)
+ 2/3' Cymbale IV	+ 2 2/3' Nazard	+ 2' Spitz Octave	(MIDI on Pedal)	4' Choralbass
+ 8' Cornet V, TF	+ 2' Wald Flute	+ 1 3/5' Tierce	(Pedal Ventil)	4' Nachthorn
+ 16' Bombarde (F/L)	+ 1 3/5' Tierce	+ 1 1/3' Larigot	(Great Ventil)	+ 2 2/3' Mixture V
+ 8' Trompette	+ 2 2/3' Plein Jeu VI	+ 1 1/3' Mixture V	(Choir Ventil)	+ 32' Contre-bombarde, w (F/L)
+ 8' Trompette-en-chamade	+ 16' Basson (F/L)	+ 8' Trompette	(Swell Ventil)	+ 16' 1st Bombarde, ext. 32'
8' Tuba Mirabilis (So.)	+ 8' Trompette	+ 8' Cromorne	(All Swells to Swell)	+ 16' 2nd Bombarde (Gt.)
Chimes (So.)	+ 4' Clairon	8' Trompette-en-chamade (Gt.)	(I/II Manual Interchange)	+ 16' Basson (Sw.)
Great Tremulant	8' Basson-Hautbois	8' Tuba Mirabilis (So.)	Solo Tremulant	+ 8' Trompette
(Choir Tremulant)	8' Voix Humaine	Harp (So.)	Chimes	+ 4' Clairon, ext. 8'
(Swell Tremulant)	8' Trompette-en-chamade (Gt.)	Celesta (So.)	Cymbelstern	+ 8' Trompette-en-chamade (Gt.)
Great 16	Swell 16	Choir 16	Solo 16	Chimes (So.)
Great Unison Off	Swell Unison Off	Choir Unison Off	---	
Great 4	Swell 4	Choir 4	Solo 4	

49 stops, 62 ranks, 0 digital voices, with preparations (in *italics*) for 61 stops, 86 ranks, 3 percussions and MIDI/playback

+ = Stops affected by Ventils (can be programmed)

Stops in (parenthesis) indicate borrowed stops and/or drawknobs placed within a different division's terrace

All manual Trompettes and Swell 4' Clairon have double flue trebles at G56

**Tilting Tablets**

Great to Pedal 8, 4  
 Swell to Pedal 8, 4  
 Choir to Pedal 8, 4  
 Solo to Pedal 8, 4

Swell to Great 16, 8, 4  
 Choir to Great 16, 8, 4  
 Solo to Great 16, 8, 4

Swell to Choir 16, 8, 4  
 Solo to Choir 16, 8, 4  
 Pedal to Choir 8

Solo to Swell 16, 8, 4

Great to Solo 8  
 Swell to Solo 8  
 Choir to Solo 8

**Thumb Pistons**

General, 1-12  
 Great, 1-8  
 Swell, 1-8  
 Choir, 1-8  
 Solo, 1-8  
 Pedal, 1-6  
 Crescendo Std. \*  
 Crescendo A \*  
 Crescendo B \*  
 Crescendo C \*  
 Blind Check \*  
 Cresc. Adjust \*  
 Memory Up  
 Memory Down  
 Level Clear  
 Set  
 General Cancel

**Toe Pistons**

General, 1-6 (left)  
 General, 7-12 (right)  
 Pedal, 1-6 (upper left)

**Reversible Thumb Pistons**

Swell to Great  
 Choir to Great  
 Solo to Great  
 I to Pedal  
 II to Pedal  
 III to Pedal  
 IV to Pedal  
 (auto) Bass Coupler \*  
 Nave Shutters Off \*  
 All Swells to Swell (drawknob)  
 Tutti I (programmable) \*  
 Tutti II (programmable) \*

**Reversible Toe Pistons**

Great to Pedal  
 Swell to Pedal  
 Choir to Pedal  
 Bombarde 32 (engraved in red)  
 Bourdon 32  
 Tutti I (programmable) \*  
 Tutti II (programmable) \*

**Reversible Toe Spoons**

Pedal Ventil (drawknob)  
 Great Ventil (drawknob)  
 Choir Ventil (drawknob)  
 Swell Ventil (drawknob)

\* = Indicator lights, adjacent to piston

### **Additional Details**

Electric Slider chests

128 levels of memory

Memory Lock key under left keydesk

LED display in Solo keyslip (displays memory level or crescendo stage; also memory locked status)

Narthex signal in Solo keyslip

Expression Shoes (left to right): Solo, Choir, Swell; Crescendo (60 stages), programmable on "A", "B", "C" settings

Ventils and Tuttis are programmable on each memory level

Man I / Man II Interchange drawknob, transfers divisional pistons

Moveable quarter-sawn French white oak console; four connection points on chancel stage

Manual keys have bone naturals and ebony sharps with tracker touch

32-note concave, radiating pedalboard (AGO) with walnut-capped sharps

African blackwood drawknobs arranged in hemispherical Honduran mahogany terraces (*en amphithéâtre*)

Reeds engraved in **red**; intramanual couplers engraved in **green**

Foundation stops (*fonds*) left of keyboards; reeds & mixtures (*combinaisons*) right of keyboards

Retractable folding, locking console cover

Adjustable smoked glass music desk

Two integral music cupboards with magnetic closures

Organist's drawer, right side; left side drawer for Yamaha MDF3 MIDI player

Crank adjustable bench with backrest

Power and console lights switch located offstage

Organ designed and tonally finished by

**Bynum Petty**; Hopewell, NJ, USA

Additonal tonal finishing by

**Larry Trupiano**; Brooklyn, NY, USA

**Warren Marsh**; Brandon, England

Organ built and installed by

**P&S Organ Supply, Ltd.**; Brandon, England

Coupling, Switching, and Capture actions by

**Solid State Logic Organ Systems**; Brandon, England

Console layout design and web page by

**John Walko**; San Francisco, CA, USA