

SPECIFICATIONS
for a
4 manual and pedal pipe organ
designed for
Holy Rosary Catholic Church
Detroit Lakes, MN

General Considerations

MANUAL COMPASS:	CC to C4	61 notes
PEDAL COMPASS:	CCC to G	32 notes
CONSOLE:	French-style low-profile console built to AGO specifications with 164 draw knobs in curved, terraced side jambs. 30 tilting tablets above top manual. Built in caster system.	
DISPLAY FRONT:	352 square feet of casework, twin facades on each side of church. Platinum lacquered facade pipes	
PREP OF ORGAN SPACE:	By purchaser to specifications set forth by Moe Pipe Organ Company including, but not limited to, creation of new platform, construction of organ chamber walls, and AC electrical wiring.	
PIPEWORK:	19 ranks from existing organ, 7 ranks from purchased organ, 26 ranks of vintage pipework, 14 ranks of new custom pipework. Total of 66 ranks of pipework	
DIGITAL VOICES:	Hauptwerk software based digital voice system with 30 digitally sampled ranks including a custom 12 channel audio system and automatic tuning sensor. Digital voices indicated by [D] in the stoplist.	

Great Organ
Manual 2 - 39 stops – 11 couplers – 23 ranks

16' Double Open Diapason	New from 2 nd Open	12 pipes
16' Violoncello [D]		
8' First Open Diapason	New	61 pipes
8' Second Open Diapason	New	61 pipes
8' Gedeckt	ex great	61 pipes
8' Hohl Flute	purchased	61 pipes
8' Viol (ch)		
8' Viol Celeste (ch)		
8' Salicional (sw)		
8' Voix Celeste TC (sw)		
8' Orchestral Flute (sw)		
8' Flute Celeste (sw)		
8' Erzahler (ch)		
8' Erzahler Celeste TC (ch)		
8' Dulciana	purchased	61 pipes
8' Unda Maris TC	vintage	49 pipes
5 1/3' Quint [D]		
4' First Octave	Vintage	61 pipes
4' Second Octave	vintage	61 pipes
4' Harmonic Flute	vintage	61 pipes
4' Nachthorn	ex great	61 pipes
3 1/5' Tenth [D]		
2 2/3' Twelfth [D]		
2' Fifteenth	New	61 pipes
2' Flute Fifteenth	from 4' Har. Flute	12 pipes
1 3/5' Harmonic Seventeenth TC	Vintage	37 pipes
IV Full Mixture	New	244 pipes
III Sharp Mixture	vintage	183 pipes
V Grand Cornet (registration aid)		
16' Double Trumpet	ex swell	12 pipes
16' Contra Trombone (pd)		
8' Trombone (pd)		
8' Tromba	vintage	61 pipes
8' Trumpet	ex swell	61 pipes
4' Clarion	ex of Trumpet	12 pipes
Chimes	purchased	21 tubes
MIDI on Great		
Great to Great 16'		
Great Unison Off		
Great to Great 4'		
Swell to Great 16'		
Swell to Great 8'		
Swell to Great 4'		
Choir to Great 16'		
Choir to Great 8'		
Choir to Great 4'		
Resonance to Great		
Automatic Pedal		
8' Trompette en Chamade (non-coupling)	New	61 pipes
8' Pontifical Trumpet (non-coupling)	New	61 pipes

Swell Organ
Manual 3 - 34 stops – 4 couplers – 18 ranks

16' Lieblich Gedeckt		
8' Violin Diapason	purchased	61 pipes
8' Stopped Diapason	purchased	61 pipes
8' Harmonic Flute (1-12 from St. Diap)		
8' Salicional	purchased	61 pipes
8' Voix Celeste TC	purchased	49 pipes
8' Orchestral Flute[D]		
8' Flute Celeste [D]		
4' Principal	vintage	61 pipes
4' Harmonic Flute	New	61 pipes
4' Lieblich Flute	purchased	12 pipes
4' Violina	purchased	12 pipes
2 2/3' Nazard	vintage	61 pipes
2' Doublette	vintage	61 pipes
2' Harmonic Piccolo	New	12 pipes
1 3/5' Seventeenth TC	vintage	37 pipes
1 1/3' Larigot		
1 1/7' Septieme	vintage	37 pipes
1' Piccolo		
8/9' None	vintage	37 pipes
IV Plein Jeu	Vintage	244 pipes
V Mixture [D]		
V Cornet (registration aid)		
16' Waldhorn [D]		
16' Basson	New	12 pipes
8' Trompette	New	61 pipes
8' Cornopean [D]		
8' Hautbois	New	61 pipes
8' Voix Humaine	vintage	61 pipes
4' Clairon	New	12 pipes
4' Clarion [D]		
4' Hautbois Clairon	New	12 pipes
MIDI on Swell		
Tremolo		
Swell to Swell 16'		
Swell Unison Off		
Swell to Swell 4'		
Resonance to Swell		

Choir Organ
(antiphonal)
Manual 1 – 30 stops – 8 couplers – 16 ranks

16' Bourdon		
8' Geigen Diapason	ex great	61 pipes
8' Chimney Flute	ex swell	61 pipes
8' Copula	ex swell	61 pipes
8' Viol [D]		
8' Viol Celeste [D]		
8' Erzahler	ex swell	61 pipes
8' Erzahler Celeste TC	ex swell	49 pipes
4' Geigen Octave	ex great	61 pipes
4' Koppel Flute	ex swell	12 pipes
2 2/3' Quinte	ex swell	61 pipes
2' Gemshorn	ex swell	61 pipes
1 3/5' Tierce TC	ex flachflote	37 pipes
1 1/3' Larigot	from quinte	
1' Sifflole		
V Petite Cornet (registration aid, draws 8,4,2 2/3,2,1 3/5)		
III Scharff	ex great	183 pipes
II Carillon	ex swell	122 pipes
16' Bass Cromorne [D]		
8' Tuba Mirabilis [D]		
8' Orchestral Oboe [D]		
8' Tuba Minor [D]		
8' Corno di Bassetto [D]		
8' English Horn	purchased	61 pipes
8' Clarinet	Vintage	61 pipes
4' Tuba Clarion [D]		
4' Musette [D]		
MIDI on Choir		
Zimbelstern		
Tremolo		
Choir to Choir 16'		
Choir Unison Off		
Choir to Choir 4'		
Swell to Choir 16'		
Swell to Choir 8'		
Swell to Choir 4'		
Resonance to Choir		
Great/Choir Transfer		

**Resonance/Solo
Manual 4 - 20 stops**

8' Diapasons V	(Plays 5 different diapasons all at 8' pitch)
8' Diapasons VIII	(Plays 8 different diapasons all at 8' pitch)
Diapasons 8&4	(Plays all 8' and 4' diapasons in the organ)
8' Solo Flutes VII	(Plays 7 different flutes all at 8' pitch)
String Chorus XII	(plays Salicional/Celeste/Dulciana/Unda at 16',8',4')
Full Celestes XXVI	(plays 8 ranks of strings and celestes at 16,8,4)
Vox Aethera XII	(plays the Dulciana/Unda/Erzahler/cel at 16,8,4)
VIII Gross Mixture	(great mixtures with 2 2/3' and 4')
Gross Cornet XI	(Great and swell cornets plus 1 1/7', 8/9' and 3 1/5')
Voix Humaine Chorus III	(Voix Humaine at 16,8,4)
16' Trompette en Chamade	
16' Pontifical Trumpet	
8' Trompette en Chamade	
8' Pontifical Trumpet	
8' Tuba Magna	(choir tubas and pedal trombone at 8' in chorus)
8' Trompette Real	(great/swell trumpets and gt tromba in chorus)
4' Trompette en Chamade	
4' Pontifical Trumpet	
Glockenstern	
MIDI on Resonance	

Pedal Organ
41 stops – 7 couplers – 9 ranks

64' Gravissima [D]		
32' Double Open Wood [D]		
32' Sub Bourdon [D]		
32' Contra Violone [D]		
16' Open Diapason	New fr. 1 st Open	12 pipes
16' Contrabass (gt)		
16' Subbass	extension of Gt. Hohl Flute	12 pipes
16' Bourdon (in choir)	ex pedal	32 pipes
16' Violone [D]	unit with 32'	
16' Violoncello (gt)		
16' Dolce Bass (in choir)	ex pedal soft wind	
16' Lieblich Gedeckt	extension of Sw. Stopped Diap	12 pipes
10 2/3' Sub Quint		
8' Open Bass (gt)		
8' Octave	ex pedal	32 pipes
8' Bourdon (gt)		
8' Cello (sw)		
8' Stopped Flute (ch)		
8' Stopped Diapason (sw)		
8' Melodia (gt)		
5 1/3' Quint		
4' Choral Bass	vintage	32 pipes
4' Viol (sw)		
4' Harmonic Flute (gt)		
IV Full Mixture (gt) (5 1/3', 4', 2 2/3', 2')		
V Sharp Mixture	vintage	160 pipes
32' Double Trombone [D]		
32' Contra Bombarde [D]		
16' Bombarde [D]		
16' Trombone	New	32 pipes
16' Double Trumpet (gt)		
16' Posaune (gt)		
16' Waldhorn (sw)		
16' Basson (sw)		
8' Tromba	New	12 pipes
8' Trumpet (gt)		
8' Trompette (sw)		
4' Clarion	New	12 pipes
4' Hautbois (sw)		
4' Musette (ch)		
MIDI on Pedal		
Great to Pedal 8'		
Great to Pedal 4'		
Swell to Pedal 8'		
Swell to Pedal 4'		
Choir to Pedal 8'		
Choir to Pedal 4'		
Resonance to Pedal		

Combination Action

8 Pistons affecting the Swell stops

Swell Cancel

8 Pistons affecting the Great stops

Great Cancel

8 Pistons affecting the Choir stops

Choir Cancel

8 Pistons affecting the Resonance stops

Resonance Cancel

8 pistons affecting the Pedal stops (duplicated by toe studs)

Pedal Cancel

16 General pistons affecting the entire organ (9-16 duplicated by toe studs)

General Cancel

Set Piston

Map Piston

Multiple memory levels

Other Considerations

Balanced Swell Expression Pedal
 Balanced Choir Expression Pedal
 Crescendo Pedal
 Crescendo indicator light
 Console roll-top with lock
 Wind indicator light
 Music Rack Light
 Pedal Light
 Adjustable bench
 Great to Pedal Reversible Thumb and Toe
 Swell to Pedal Reversible Thumb and Toe
 Choir to Pedal Reversible Thumb and Toe
 Swell to Great Reversible Thumb and Toe
 Choir to Great Reversible
 Swell to Choir Reversible
 Sforzando Reversible Thumb and Toe
 Celestes Off Reversible Ventil Piston
 Reeds Off Reversible Ventil Piston
 Locking power switch
 Movable Console with built-in caster system
 New blowers and enclosures
 New solid-state rectifiers
 Choice of console finish
 MIDI interfaces and connectors

- MIDI Sustain toe stud
- Includes a Syndyne Pro-Filer MIDI Sequencer
- Includes a MIDI sound module
- Includes advanced MIDI programming and control features

 12 position Transposer
 Great/Choir Transfer coupler
 Dogleg-style adjustable organ bench
 Custom rear-hinged manual keyboards with ivory resin naturals and ebony wood sharps
 Inter-manual couplers and MIDI stops on tilting tablets above the top manual
 Up to 200 feet of cable between the console and the organ chambers
 Up to 50' of protected umbilical cable on the movable console