J.F. NORDLIE COMPANY
Organ Builders

504 Charlotte Avenue - Sioux Falls, South Dakota 57103 - (605) 335-3336

The Organ Committee
St. Martin's-by-the-Lake Episcopal Church
2801 Westwood Road
Minnetonka Beach, MN 55361

9 September 1986

Dear Committee Members:

Since our first discussions with Mr. Mason last February, we have worked with him to arrive at a stoplist which we know will meet the musical needs of your parish church. It is always a delight to find musicians who are eager to learn about good organ design and consultants who understand the importance of time taken to plan well. That the committee came to us so well-informed is also most appreciated.

Fesperman's booklet "Organ Planning: Asking the right questions" was cited as a beginning point for deliberations; I assume you are familiar with the same. I would like to reiterate some remarks I made in our letter to Mr. Mason of 6 June 1986.

These few paragraphs summarize the problems and potential solutions for St. Martin's worship space. Lack of floor area, limited ceiling heighth, and various structural impediments (low overhanging beams, etc.) preclude an organ of "typical" proportions. Likewise, the scale and integral elements of the building's design obviate an organ of intimate size--both in scalings and number of ranks/pipes. It is an injustice to the architectural integrity of the room to suggest otherwise. [page 1] Our concern is exactly that which Fesperman voices so well: avoiding the temptation of pretentiousness and respecting the integrity of the space in which the new organ will be housed. [page 2]

The accompanying specifications detail the particulars of how an organ can be built to satisfy these aesthetic parameters. In addition, color presentation drawings of the organs can be provided for parish consideration and the Rector's approval. Should you agree to this proposal, the smaller Positiv organ could be built before the end of calendar year 1986.

We are eager to begin construction of these organs for St. Martin's parish liturgies. In our estimation, the tonal and visual designs are unique and will prove to be happy residents of their historic environment. The reputation our firm enjoys is in direct proportion to the quality of our workmanship--needless to say, it is of the highest standards. We look forward to sharing our excellence with you in this organ project.

Cordially yours,
J. F. NORDLIE COMPANY

John Nordlie

JFN/dlb:enclosures

SPECIFICATIONS for the Proposed Organs of
St. Martin's-by-the-Lake Episcopal Church,
Minnetonka Beach, MN

The GALLERY ORGAN

GREAT 56 notes (C1-g56)

8'	Open Diapason Fs7	50 facade pipes of 80% polished Tin 6 open wood pipes at case sides

(the remaining stops are expressive, housed in a louvered, double-walled enclosure)

8'	Transverse Flute	56 metal pipes of 20% Tin; C1-B12 Stopt Bass
8'	Viola	44 metal pipes of 50% Tin; C1-B12 from Transverse Flute
8'	Celeste c13	44 metal pipes of 50% Tin
4'	Principal	56 metal pipes of 50% planed Tin
2-2/3'	Twelfth	56 metal pipes of 20% Tin
2'	Fifteenth	56 metal pipes of 50% planed Tin
III	Mixture 1-1/3'	168 metal pipes of 50% planed Tin
8'	Trumpet	56 reeds of Brass tongues and shallots with full-length resonators; mitred C1-F6
	Echo to Great Coupler	

ECHO 56 notes (C1-g56)

8'	Stopt Diapason	56 wood pipes of Sugar Pine
4'	Chimney Flute	56 metal pipes of 20% Tin; inverted tubes
2'	Gemshorn	56 metal pipes of 20% Tin
III	Mounted Cornet (c25-51)	81 metal pipes of 20% Tin (wide-scale)
8'	Hautbois	56 reeds of Brass tongues and shallots with half-length resonators C1-B12; remainder full
	Carillon (c13-d51)	39 bells

PEDAL 30 notes (C1-f30)

16'	Sub Bass	30 wood pipes of Sugar Pine
8'	Open Bass	30 notes from GREAT Open Diapason
8'	Stopt Bass	12 wood pipes + 24 notes from Sub Bass
4'	Principal Bass	30 notes from GREAT Principal
8'	Trumpet Bass	30 notes from GREAT Trumpet

Great to Pedal and Echo to Pedal Couplers
Tremulant to entire organ

TOTALS

Speaking stops	21
Ranks	19
Pipes	939
Bells	39

PIPES All pipework will be newly constructed of the highest quality materials: Tin/Lead alloys, select clear woods. Scaling and voicing of the pipework will create a balanced, clear, and cohesive ensemble, developed through warm and vocal pipe speech.

CONSOLE The detached console will be constructed of select woods--stained White Pine surround with Black Walnut keydesk; key bodies of precision-machined aluminum with keyhead platings of Ebony and polished Bone; manuals of 56 notes and pedalboard of 30 notes; turned stopknobs of decorative woods; balanced expression pedal. An adjustable Bench will be built to match casework.

ACTIONS Mechanical key and coupler actions; Solid-state electro-mechanical stop and combination actions: controlled from a drawknob keydesk, with 8 general combination pistons, divided 4 manual pistons and 4 toe stud pistons, and 4 divisional pistons for each Manual.

CHESTWORK All chestwork will be of slider/key channel construction.

WINDING A single, wedge-shaped reservoir with curtain valve will regulate the wind being supplied by a silent high-speed electric blower. Winding system components will be housed in the base of the organ case, including the Tremulant. All necessary wiring to the organ area (single-phase 110 or 220) will be provided by the purchaser.

CASEWORK The Case and Console will be built of White Pine to compliment existing woodwork; both will be stained and oiled to match select samples; interior elements will include structural steel for support and stability of actions; hand-carved pipeshades, moldings and decorative elements compatible with the building will also be finished to match samples.

DELIVERY A delivery schedule is arranged at the time of contract signing; at present, completion and delivery of the organ could be scheduled for Summer of 1987.

COST The cost of this project as detailed is $177,330.00. This amount includes design, construction, shipping, installation and regulation/voicing of the organ. It does not include hospitality for the workmen (4) who will install and voice the organ in the church. Estimated time for completion of the installation is three weeks. Payment schedule:

10% down payment upon signing contract
10% materials payment at commencement of construction
70% billed monthly as progress payments; amounts determined by degree of completion/arrival of parts and materials
10% thirty days after completion and acceptance by the Parish

CONTRACT A contract will be submitted for your inspection and signing, upon request.

DRAWINGS Formal drawings, including color presentations, floor plans and elevations, will be supplied upon request at a charge of 2% total project cost. This charge is credited towards the downpayment, at signing of the contract.

This offer is valid until December 31, 1986, after which time I reserve the right to review and requote costs as deemed necessary.

Submitted: 9 September 1986
J. F. NORDLIE COMPANY

The CHANCEL ORGAN

I. "Trunk" Organ/51 notes C1-d51 A self-contained, one-manual continuo organ

Gedackt 8'	54 stopped wood pipes
Flute 4'	54 half-stopped wood pipes
Fifteenth 2'	54 open metal pipes of 50% planed Tin
Larigot 1-1/3'	54 open metal pipes of 50% planed Tin

Housed in an easily moveable molded and panelled Pine casework, the organ features a transposing keyboard for modern and historic pitch levels: 1/2 step lower or two 1/2 steps higher than A-440. A built-in keydesk of select rare woods controls the mechanical key and stop actions.

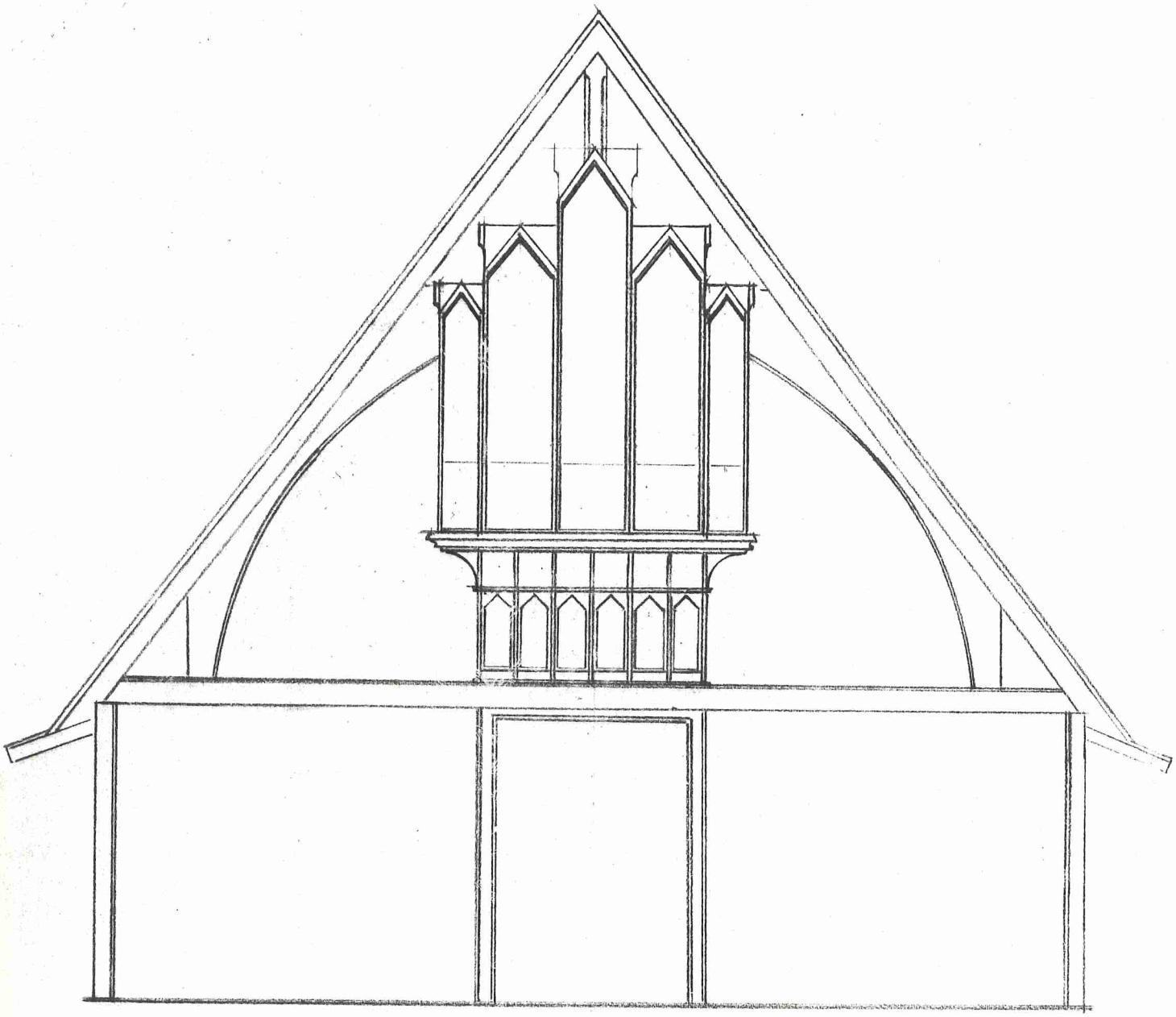
A pre-designed organ, this instrument is available at a cost of $17,500.00, with the purchase of the larger Gallery Organ. [Normal cost is $19,300.00]

II. Positiv Organ A self-contained, one-manual and pedal organ

Stopt Diapason 8'	54 stopped wood pipes
Principal 4'	54 open metal pipes of 80% polished Tin
Flute 4'	54 tapered open metal pipes of 20% Tin
Fifteenth 2'	54 open metal pipes of 50% Tin
II Mixture 2/3'	108 open metal pipes of 50% Tin
II Sesquialtera c25	50 open metal pipes of 50% Tin: 2-2/3' + 1-3/5' (descant solo stop)
Tremulant	

A pre-designed organ of 6 stops, having a 54 note Manual and 27 note pull-down Pedal; housed in a panelled, molded and carved wooden casework of White Pine, stained to match existing woodwork samples. Included is a bench to match.

Costs: $37,600.00, with purchase of Gallery Organ. [Normal costs for this instrument is $42-48,000.00, dependent upon complexity of case decoration and stoplist variants.]

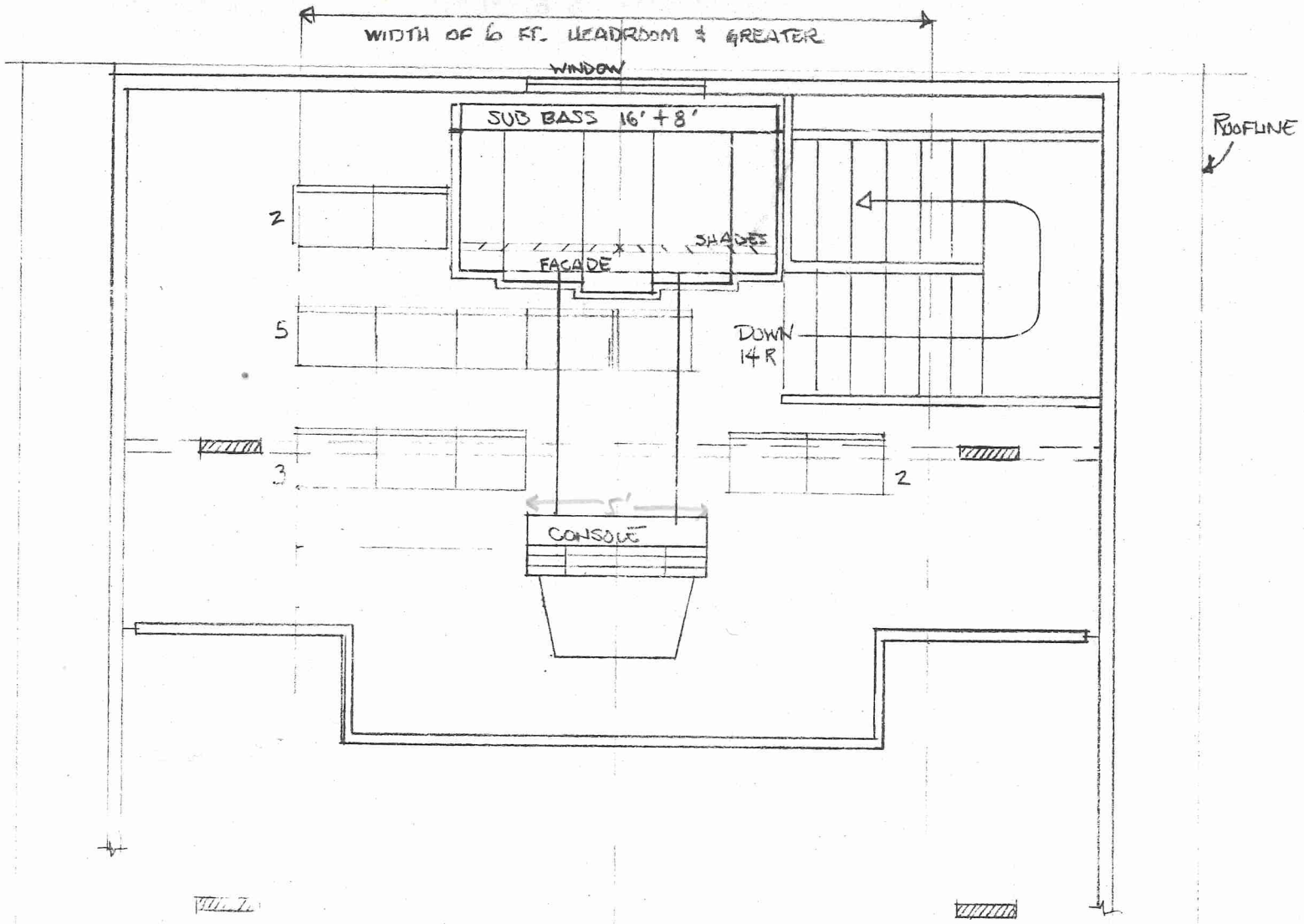


ST. MARTIN'S-BY-THE-LAKE
MINNETONKA BEACH, MN

· SCALE: 1/4" = 1'

8 SEPT 1986

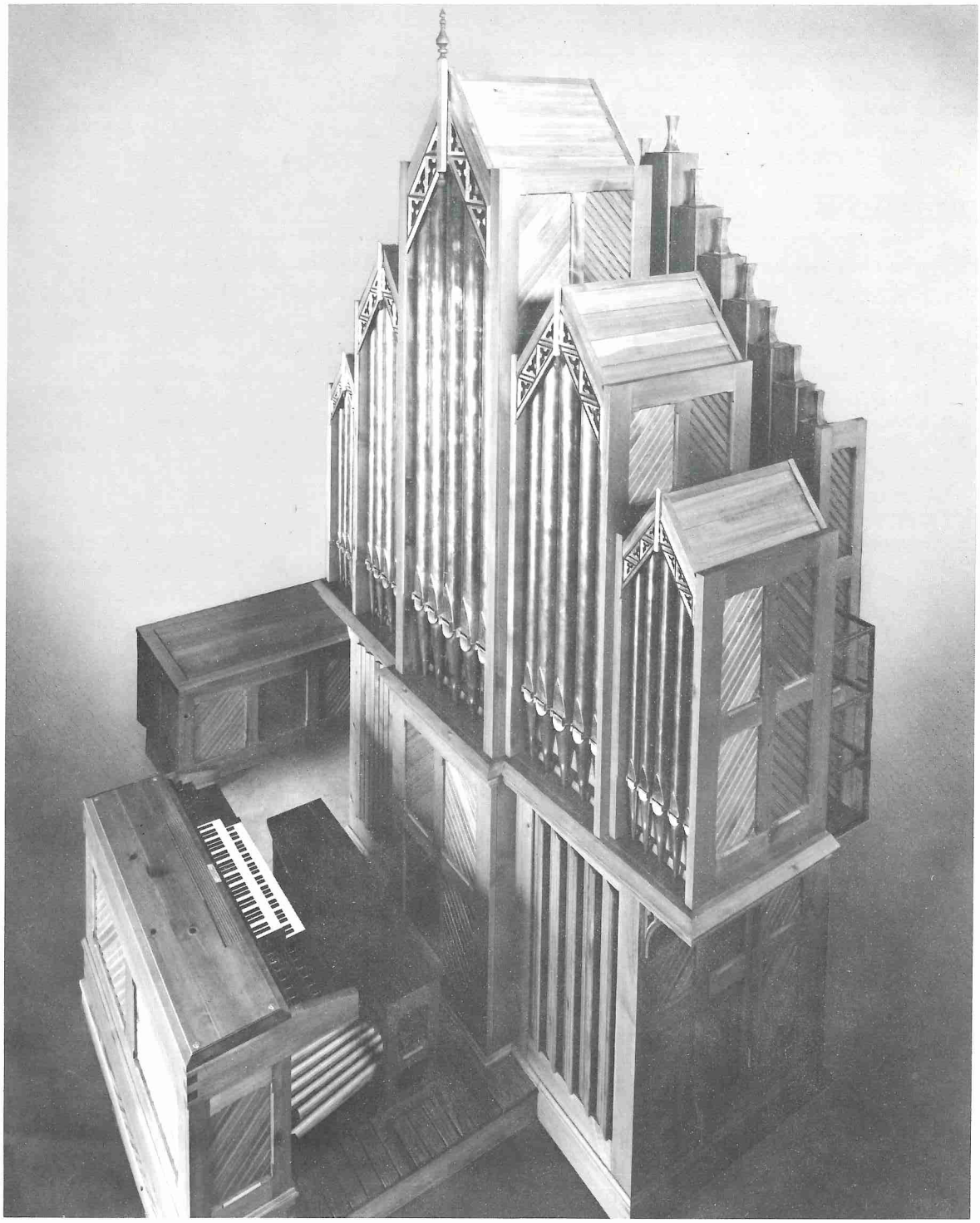
db



GALLERY SCALE: 1/4" = 1'

ST. MARTIN'S-BY-THE-LAKE
MINNETONKA BEACH, MN

8 SEPT '88 db



St. Martin's-by-the-Lake
Episcopal Church

J.F. NORDLIE COMPANY
Organ Builders

504 S. Charlotte Ave. • Sioux Falls, South Dakota 57103-2612
(605) 335-3336

St. Martin's-by-the-Lake Episcopal Church, *opus 18*

Minnetonka Beach, Minnesota

This historic structure, designed by Cass Gilbert and finished in 1888 as a wedding chapel for the daughter of a prominent lumber magnate, houses our mechanical-action organ which was dedicated on Pentecost Day, 1988, during the building's centennial observances. A rear gallery addition, made in 1980, proved to be the only feasible site for the organ in this simple but handsome "carpenter-Gothic" chapel.

SPECIFICATIONS

Great [C1-g56] enclosed & expressive

Open Diapason 8'	*C1-cs26 in facade*
[unenclosed]	*copper*
Spire Flute 8'	*Lead*
[stopt bass C1-G8, common w/ Viola]	
Viola 8'	*metal*
Celeste 8' c 13	*metal*
Principal 4'	*metal*
Twelfth 2-2/3'	*metal*
Fifteenth 2'	*metal*
III Mixture 1-1/3'	*metal*
Trumpet 8'	*metal*

Accessories

Tremulant to entire organ
Couplers: GT/PD, Echo/PD, Echo/GT

Echo [C1-g56] enclosed & expressive

Stopt Diapason 8'	*Poplar and Walnut*
Descant Diapason 8'	*g20-d51, metal*
Chimney Flute 4'	*Lead*
Gemshorn 2'	*metal*
III Cornet 2-2/3'	*g20-d51, metal*
Hautboy 8'	*metal*
Glockenspiel	*c13-d51, 39 bells*

Pedal [C1-f30]

Sub Bass 16'	*wood, behind case*
Open Bass 8'	*from GT Op. Diap. 8'*
Stopt Bass 8' [unit]	*wood, behind case*
Principal Bass 4'	*from GT Principal 4'*
Trumpet Bass 8'	*from GT Trumpet 8'*

Totals 21 stops, 21 ranks, 39 bells, 990 pipes

Casework and the detached, reversed console are built of native White Pine, stained to coordinate with existing room colors. Key and coupler actions are mechanical, while the stop action is all electric—a solid-state combination system controls both stop and slider motors via general and divisional memories. A keydesk of Black Walnut houses drawknobs of Ebony, faced with hand-lettered Holly nameplates. Keybodies have carved and gilded heads, plated with polished Bone and Ebony. Pedal keys have Walnut and Maple platings; Walnut pedal treadles control couplers and combinations.

The case panels are beaded Pine boards and match extant detailing. Carved pipeshades atop the overlength facade pipes are enameled and gilded—as are tower pinnacle posts and the impost brackets. Wind system components (wedge-shaped reservoir, blower and tremulant) are housed in a separate beaded-panel Pine box adjacent to the organ case.

Our challenge at St. Martin's was to provide considerable color plus tonal warmth, depth and versatility; solving the problem of too much organ in too little space required some unorthodox solutions. By enclosing all stops except Open Diapason and Sub Bass, sharing common basses where possible, using short compass registers, and duplexing three ranks, we built an organ of surprising flexibility, without taking precious floor space needed for choirs and instruments.

The parish's musical repertoire required soft accompanimental and sturdy solo voices on each manual besides the traditional plenum ranks. The small nave, seating 115 people, suggested an organ of chamber proportions, while musical concerns suggested an organ of larger potential. We arrived at a happy solution, despite the problems of space and an exceptionally dry acoustic. ❄