

SACRED HEART CHURCH, R.C.
Springfield, Massachusetts

Organ Tonal Specifications:

MANUAL:

Prinzipal Bass 8'	12 pipes
Prinzipal 8'	44 pipes
Gedeckt Bass 8'	17 pipes
Gedeckt 8'	41 pipes
Principal 4'	58 pipes
Nachthorn 4'	58 pipes
Fifteenth 2'	58 pipes
Mixtur, III rks. 1-1/3'	174 pipes
Hautbois Bass 8'	17 pipes
Hautbois 8'	41 pipes

Tremolo

PEDAL :

Subbass 16'	27 pipes
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Manual to Pedal 8'

Mixture III

Sacred Heart - Springfield

Pressure 3"

$\frac{1}{4}$ mouth

Voicing Treatment

Full open toes - no nicking - moderately close flues but not too close. No beveling of upper lip outside - inside of upper lip Planed when necessary to reduce metal thickness.

$1\frac{1}{3}$ " - 19"

<u>inside diameter</u>	<u>Note</u>	<u>Pitch</u>	<u>cut up</u>
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$1\frac{3}{16}$ "	C	G	$\frac{1}{3}$ bare
$\frac{7}{8}$ "	C	G	bet $\frac{1}{3} + \frac{2}{7}$
$\frac{7}{16}$ "	C	G	bet $\frac{1}{3} + \frac{2}{7}$
$\frac{5}{16}$ "	C	G	bet $\frac{3}{7} + \frac{1}{4}$
$\frac{3}{16}$ "	C	G	$\frac{1}{4}$

1' - 22 ^{NO}

1"	C	C	$\frac{2}{7}$ bare
$\frac{5}{8}$ "	C	C	$\frac{2}{7}$ bare
$\frac{3}{8}$ "	C	C	$\frac{1}{4}$ bare
$\frac{2}{8}$ "	C	C	$\frac{1}{4}$ Full

CONTRACT # 48NAME Sacred HeartName of Stop: Mix III Pitch: 1 1/3'Windpressure: 3

Voicing Treatment:

Toe: OpenCut up: 1/3 bare → 1/4 grab.Flue: ModerateBeveling: INSIDEOther: ~~Nicks Estimated~~ No nicking

Inside Diameters of C's

16' CCC	Dia:	<u>22nd - 1'</u>	<u>19th - 1 1/3"</u>
8' CC	Dia:		
4' C1	Dia:		
2' C2	Dia:		<u>1 3/16"</u>
1' C3	Dia:	<u>1"</u>	<u>7/8"</u>
1/2' C4	Dia:	<u>5/8"</u>	<u>7/16"</u>
3" C5	Dia:	<u>3/8"</u>	<u>5/16"</u>
1 1/2" C6	Dia:	<u>2/8"</u>	<u>3/16"</u>
3/4" C7	Dia:		

REMARKS: All 1/4 mouth

THE CHOIR AND SOLOISTS OF OLD FIRST CHURCH
at
SACRED HEART CHURCH
CHESTNUT STREET, SPRINGFIELD, MASSACHUSETTS

Sunday March 14, 1971

4:00 o'clock

ORGAN: Prelude and Fugue in F. Minor

Johann Sebastian Bach

THE COLLECT:

Father Kennedy

THREE PSALMS:

Psalm Twenty Three

Thomas Matthews

The Lord is my shepherd; I shall not want. He maketh me to lie down in green pastures: He leadeth me beside the still waters. He restoreth my soul: He leadeth me in the paths of righteousness for His name's sake. Yea, though I walk through the valley of the shadow of death, I will fear no evil: For Thou art with me; Thy rod and Thy staff they comfort me, Thou preparest a table before me in the presence of mine enemies: Thou annointest my head with oil; my cup runneth over. Surely goodness and mercy shall follow me all the days of my life: and I will dwell in the house of the Lord forever.

Psalm Three

T. Charles Lee

Lord, how are they increased that trouble me! Many are they that rise up against me. Many there be which say of my soul, There is no help, no help for him, no help in God. But thou, O Lord, art a shield for me; my glory and the lifter up of mine head. I cried unto the Lord with my voice, and he heard me out of his holy hill. I laid me down and slept; I awaked; for the Lord sustained me. I will not be afraid of ten thousands of people that have set themselves against me round about. Arise, O Lord; save me, O my God. Salvation belongeth unto the Lord; Thy blessing is upon thy people.

Psalm One Hundred Twenty One

Leo Sowerby

I will lift up mine eyes unto the hills, from whence cometh my help. My help cometh from the Lord, which made heaven and earth. He will not suffer thy foot to be moved: He that keepeth thee will not slumber. Behold, He that keepeth Israel shall neither slumber nor sleep. My help cometh from the Lord, which made heaven and earth. The Lord is thy keeper; thy shade upon thy right hand. The sun shall not smite thee by day, nor the moon by night. The Lord shall preserve thee from all evil, He shall preserve thy soul. The Lord shall preserve thy going out and thy coming in from this time forth, and even for evermore.

.....

MUSIC OF THE PAST

O Bone Jesu

Marc Antonio Ingegneri
(1545 - 1592)

O bone Jesu, miserere nobis,
quia tu creasti nos,
tu redemisti nos
sanguine tuo pretiosissimo!

O holy Father, Infinite in mercy,
Keep us Thy mighty love;
Defend us, lest we fall,
For Thou are our strength and our
eternal hope.

Glory to God

Johann Sebastian Bach
(1685 - 1750)

Glory, glory to God the Father, Bow before Him all ye nations. Glory to the Son of God, Sing His praises evermore, Let all earth and heav'n rejoice For the blessings He has brought, Glory to the great creator for the wonders he has wrought. O give thanks unto the Lord and call upon His holy name.

Surely He hath Borne our Griefs (from The Messiah)

Georg Frederic Handel
(1685 - 1759)

Surely He hath borne our griefs, and carried our sorrows. He was wounded for our transgressions, He was bruised for our iniquities, the chastisement of our peace was upon Him.

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HYMN: O God, Our Help in Ages Past Page 42
(Congregation and Choir singing all verses)

William Croft

.....

MUSIC OF THE PRESENT

Let not your Heart be Troubled

Mark Dickey

Let not your heart be troubled: ye believe in God, believe also in me. In my Father's house are many mansions: if it were not so, I would have told you. I go to prepare a place for you. Let not your heart be troubled, neither let it be afraid. Peace I leave with you.

Jubilate Deo

Benjamin Britten

O be joyful in the Lord, all ye lands: Serve the Lord with gladness and come before his presence with a song. Be ye sure that the Lord he is God: it is he that hath made us and not we ourselves; We are his people, and the sheep of his pasture. O go your way into his gates with thanksgiving and into his courts with praise, be thankful unto him, and speak good of his name. For the Lord is gracious, his mercy is everlasting: and his truth endureth from generation to generation.

Glory be to the Father, and to the Son, and to the Holy Ghost.

As it was in the beginning, is now and ever shall be: World without end.

Benedictus es, Domine

Leo Sowerby

Blessed art Thou, O Lord God of our fathers: Praised and exalted above all forever.

Blessed art Thou for the Name of thy Majesty:

Blessed art thou in the temple of thy holiness:

Blessed art thou that beholdest the depths, and dwellest between the Cherubim:

Blessed art thou on the glorious throne of thy kingdom:

Blessed art thou in the firmament of heaven:

Glory be to the Father, and to the Son, and to the Holy Ghost.

As it was in the beginning, is now and ever shall be: World without end.

MUSIC FROM THE MASS

Gloria (from the "Imperial" Mass)

Gloria in excelsis Deo,
et in terra pax hominibus
bonae voluntatis,
Laudamus te, benedicimus te,
adoramus te, glorificamus te,
Gratias agimus tibi
propter magnam gloriam tuam,
Domine Deus, Rex coelestis,
Pater omnipotens, Domine Fili
unigente, Jesu Christe,
Domine Deus, Agnus Dei,
filius Patris.

Joseph Haydn

Glory be to God on high,
and on earth, peace to men
of good will,
We praise thee, we bless thee, we
adore thee, we glorify thee,
We give thanks to thee for
thy great glory,
Lord God, heavenly king,
Father almighty. Lord the only-
begotten son, Jesus Christ,
Lord God, Lamb of God,
Son of the Father.

Libera me (from the "Requiem Mass")

Libera me, Domine, de morte
aeterna, in die illa tremenda;
quando coeli movendi sunt et
terra; Dum veneris judicare
saeculum per ignem.
Tremens factus sum ego et timeo,
dum discussio venerit
atque ventura ira,
Dies illa, dies irae,
calamitatis et miseriae,
dies magna et amara valde.
Requiem aeternam dona eis,
Domine, et lux perpetua
luceat eis.
Libera me, Domine, de morte
aeterna.

Gabriel Fauré

Deliver me, Lord, from eternal
death, on the dread day of
judgement; when the heavens and
earth shall be moved;
when Thou shalt come in the midst
of fire to judge the whole world.
Full of terror am I and of dread
of the judgement that shall come
on the day of Thy wrath.
Day of anger, day of mourning,
utter confusion shall befall them,
and most bitter sorrow.
Grant them rest eternal, Lord,
and may perpetual light shine
upon them. Deliver me, Lord, from
eternal death.

Kyrie (from the "Requiem Mass")

Kyrie eleison,
Christe eleison,
Kyrie eleison.

Maurice Duruflé

Lord, have mercy upon us.
Christ, have mercy upon us,
Lord, have mercy upon us.

THE BLESSING

Father Kennedy

ORGAN: Chorale - Veni Creator Spiritus

Maurice Duruflé

THE FIRST CHURCH CHOIR

Crete Liadrakis, soprano	Peter Payson, tenor
Nadina Bryan, contralto	John d'Armand, bass
Charles Page, organist and choir director	

PARTICIPATING CLERGY

Old First Church: The Reverend Delwin Lehman, Senior Minister
The Reverend Seth Newton, Associate Minister
Sacred Heart Church: The Reverend Donald F. Mullen, Pastor
The Reverend Edward M. Kennedy, Associate Pastor
The Reverend George A. Farland, Associate Pastor

You are cordially invited to attend a Service of Music at Old
First Church, Springfield on Palm Sunday afternoon at 4:00 o'clock
at which time the First Church Choir and Soloists will sing the
Beethoven "Mass in C Major".

THE EXCITING ARTISTIC ENVIRONMENT AND LEGACY OF SACRED HEART CHURCH

by David W. Cogswell

As the cheap and crumbling tenements of Springfield's North End district have come thundering down to leave a barren plain of weeds and superhighways, a lone sentinel and symbol of past elegance has once again been dramatically revealed. Denuded of its graceful spire and darkened by a century of accumulated grime, the magnificence of the brownstone Sacred Heart Church is nonetheless still very much with us today. Fully worthy of being nothing less than a cathedral, this parish church is felt by many to be not only the largest edifice in the Diocese of Springfield, but also its most beautiful. Only by fortuitous recognition of its artistic worth was the building saved from the brass ball as the construction of interstate I 291 went crashing by its very portals.

On the site now occupied by this great Gothic edifice once stood a small church, believed, perhaps, to be of wood and Romanesque architectural style, called Sacred Heart. In the 1880's, the heavy, new Irish population of the area built this mighty offering to dramatize their faith and their love for their church. Without doubt, the results must have impressed the entire valley and given immense satisfaction to the people and the clergy of the parish. Thousands of fine families have worshipped and found refuge here, and generations of children have been educated and made responsible citizens through its influences and facilities.

Now the traditional families of the parish have moved on to newer parishes; their homes torn down or occupied by an entirely new ethnic population--a population as new to Sacred Heart Parish as the previous Irish were a century ago. The people of the parish found a small and inadequate edifice on Chestnut Street in 1870 but when they departed from the area ninety years later, they left behind their single most elegant treasure for their successors. Now the W. Indian people find themselves with an unusual legacy to be preserved and honored in their own way.

The building is in good condition, save for a few needed repairs and someday--who knows--replacement of its spire. The English Gothic architecture is unusually authentic for its Victorian genesis. Though very tall, the colonaded arcade was not topped by the usual triforium but supported the upper clerestory directly. The rather short nave and absence of the standard long choir perhaps was deliberate to keep the congregation nearer the sanctuary. The short transepts, shallow apse at the East

end and a very large balcony clearly designed to allow the musicians to be as close to the altar as possible all suggest an early recognition of the currently popular "church in the round" effect. The loftiness of the building with its ribbed and panelled gothic vaulting is more typical of the European Cathedral style, with the magnificent stained glass windows, rich in reds and blues, and its marble and alabaster appointments.

Free of standard Victorian confused eclecticism and over-ornamentation, only the tiny, Romanesque organ case in its gallery presents a foreign architectural style to the Gothic strength and integrity of the building. The wide West Front with its three portals and divided narthex announces to its visitors the completeness and elegance that lays before them. The spiral staircase of solid stone circling through the southern tower is typical of European Cathedral practice; after depositing its climbers at the door of the gallery for their musical performances, the twisting stone steps go ever higher into several stories of tower rooms and, finally, the spire itself (now replaced with a leaky wooden roof).

In the basement under the narthex was a room where an engine run by water pressure was installed to pump the organ dozens of feet above. Long since replaced by an electric blower installed in the gallery, the water engine ceased to be used and the room is now used for storage.

The Musical Environment of Sacred Heart Church

The visual magnificence of this great building is matched by its aural beauty. Though the founders of the church found it satisfactory to simply move the tiny, one manual organ with its hostile architecture from the previous chapel, they provided a gallery large enough to seat a generous-sized choir and an organ of a size commensurate with the building. The building itself offered outstanding and nearly ideal acoustics of the most traditional nature which still pleads for the performance of great sacred works of music. Most of the extensive church music repertory was composed by musicians who inhabited buildings of this size and acoustical grandeur. So seldom do people of our present generation have the opportunity to hear this literature performed in such exciting surroundings that the attraction of this music has been essentially missed today. At Sacred Heart Church, the glory and wonder of traditional church music can be fully appreciated. It was for this reason that music has taken on new importance at Sacred Heart to the extent of overhauling and modernizing the old organ and to invite musicians from other churches in Springfield to bring their choirs and enjoy this unusual environment.

The organ was originally built by a Westfield firm called Steer & Turner in 1874. It consisted of one manual keyboard of 58 notes and a pedal keyboard of 27 notes. There were eight ranks or sets of pipes in the organ, the longest pipe being of 16' pitch length and speaking at a frequency of 32 cycles per second. The next largest set of pipes were mounted in the front of the walnut case as facade or "show" pipes. The remaining pipes were housed inside the case. A few of the pipes in the facade were "dummy" or non-speaking pipes placed there to make the case look balanced. The architectural design of the case was Romanesque and we assume this was to match the decor of the small chapel where it was installed. The organ was probably hand-pumped before it acquired its fancy water engine.

When the new church was built in the '80's, the organ was moved by the Steer firm to the gallery of the new church, evidently as an economic measure since the instrument in no way was suitable for such an immense church. By the 1960's, the instrument had become unreliable and was retired from use--particularly when congregational hymn-singing required a much more powerful instrument.

The new Assistant Pastor of the church, Fr. Edward M. Kennedy, was a great admirer of church music and the artistic functions possible in a great church. He saw the abandoned and defunct instrument as a symbol of a potentially great musical possibility. The Berkshire Organ Company of West Springfield was also interested in the possibility of rebuilding and tonally recasting the instrument to see if its limited size in proper acoustical "marriage" to this acoustically exceptional building could become an adequate, if not outstanding, instrument in this area. Other musicians of the city felt that the instrument might be able to waken the resonant and reverberant atmosphere of the church and the ladies' Rosary Society of the church pledged their assistance to help. With contributions from many sources and the offer of Berkshire to do the work at cost, the project became possible. The people of Hope Congregational Church of Springfield made a contribution and the choir of that church was one of the first to experience the thrill of singing to the refurbished organ. After many months of work, the organ was completed for Christmas Eve, 1969 and played for an absolutely packed church. The new-found power of the instrument was gloriously adequate to accompany a full congregation singing Christmas Carols and thus returned the confidence that all who had contributed to its restoration had counted on.

The organist of the church at that time was Sister Therese Marie, S.N.D. who still serves as an organist of Sacred Heart. Mr. Walter Pfeifer, a student, was helping with the choir who had been struggling with a small electronic substitute. With the advent of the reburbished organ, the choir has grown in size and quality. Mr. Jerry True was appointed Director of Music for the church in 1970; Mr. True had personal interest in the instrument since he, as voicer for the Berkshire Organ Company, had worked on the pipes and other parts of the instrument to aid in its restoration. Other visiting choirs and musicians have participated in special musical programs at the church; recently, the choir of Christ Lutheran Church of Natick, Mass. and their Director, Mr. Peter Gowen, combined with the Sacred Heart Choir to present a Christmas program.

Now the highly respected and well-known professional choir of Old First Church in Springfield is preparing a concert to be given at Sacred Heart on Sunday afternoon, March 14, at 4:00 PM, with their Director, Mr. Charles E. Page, MMus.; AAGO, playing the organ and directing his choir from the console, with the assistance of Mr. True. This is an opportunity to not only hear a fine choir and program of sacred music, but to hear the exceptional acoustics and enjoy the magnificent visual surroundings of this great church. Since the program is completely open to the public without charge, it is hoped that Sacred Heart will again be blessed with a full complement of art-lovers and musical devotees.

November 26, 1969

Fr. Edward M. Kennedy,
Sacred Heart Church,
395 Chestnut St.,
Springfield, Mass. 01104

Dear Fr. Kennedy,

All the pipes are back in the church, with several ranks reinstalled in the organ and fully functioning, though not yet tuned. We have run into a slight additional complication in that some of the pipe rack boards have expanded and are making the pipes fit too tight in their sockets. This will eventually cause the pipes to leak wind around their feet which will throw the organ out of tune more frequently than necessary. I have decided, therefore, to re-fit all of the pipes in the organ as we install them, to be sure that none are too tight.

We were unable to cut off the tops of the display pipes, as planned, because the functioning portion of many pipes extends beyond the upper edge of the case (a most unusual condition). I guess we will just have to accept the Victorian look, completely, after all. I do think the pipes look very good in the case and there is no serious sound blockage from them all being installed.

It is amazing how much dust and dirt has accumulated since we first cleaned the organ. Some portions we will have to vacuum out again. I am wondering if you could ask the church sexton to thoroughly clean the balcony area before we give a final cleaning to the organ. He should do this while our men are there, so as to be sure he does not cart off parts or materials we need, at the same time, disposing of true refuse. Also-- has the blower room been cleaned?

It is now evident that a humidifier should be installed in the organ to restore the moisture to the old wooden parts in the organ. Without this, the organ will risk having additional parts break, as the wood is so dry that merely dropping a wooden part on the floor has resulted in it breaking to smithereens. The problem with the humidifier is that it must be continuously replenished with water. I am willing to buy the humidifier for the church, provided that the church will insure that it will be continuously kept replenished with water, otherwise, it will all be a waste and the organ will not "stay in one piece". Please let me know about this, so that I can order the humidifier (which will cost about \$50.00).

According to our contract terms, another payment is now due, and the invoice is enclosed. Our present schedule calls for completion of all work by December 12. Our people will be working there on December 2 and 3, which is a good time for the balcony cleaning. My voicer and I will be working there most of the week of December 8.

Yours sincerely,

STANDARD OVERHAUL PROCEDURES FOR MECHANICAL ACTIONED ORGANS.

By BERKSHIRE ORGAN CO., INC.

1. Clean entire organ, including washing of all pipes.
2. New wind system:
 - A. Replace bellows with separate bellows for Swell and Great OR
 - A-1. Provide separate regulating valves for Swell and Great.
 - B. Provide separate wind storage for pedal.
 - C. New wind conductors and connections to eliminate leakage.
3. Disassemble and inspect wind chests:
 - A. Lubricate sliders and re-shim toeboards to provide proper sealing and friction.
 - B. Repair and reseal any leaky pallet valves
 - C. Replace any leaking bung gaskets
4. Clean and make any necessary repairs to pipework:
 - A. Repack stoppers, if necessary, in stopped pipes
 - B. Reseat caps, if necessary, on wood pipes
 - C. Eliminate slots in slot-tuned diapason and flute stops shorter than 3' speaking length.
 - D. Install sleeve tuners on all open metal pipes shorter than 3' speaking length, where missing.
 - E. Regulate pipework to promote tonal balance and clarity; clean reeds and repair resonators.
 - F. Completely tune organ.
5. Disassemble console and action:
 - A. Inspect all wear points and parts.
 - B. Replace all felt, cloth, leather, & rubber parts which are deteriorated, worn, brittle or otherwise in different state than desired.
 - C. Re-surface wear surfaces, if needed.
 - D. Replace all leather nuts and broken trackers, squares or stickers.
 - E. Replace all flexible pull-down links
 - F. Check all roller boards for needed repairs, adjustments and loose pivot points.
 - G. Reduce friction as far as possible and practical at all pivot points, lighten action and adjust to reduce noise and looseness.
 - H. Recover keys, if needed; rebush keys if needed.
 - I. Adjust couplers to "fire" evenly and at a different point in the key stroke than that point where the pallet "pluck" is overcome.
 - J. Replace pedal key natural and sharp caps if needed, refelt pedalboard and adjust action.
6. General structure:
 - A. Inspect and tighten frame
 - B. Check alignment of console mountings with chests for possible settling.
 - C. Repair any bad ladders or passage boards in organ
 - D. Refelt swell shutters, if needed, and improve pivot bearings if needed. Tighten linkage between Swell Pedal and shutters and reduce noisiness.
 - E. Paint interior of Swell Box with white enamel to better reflect sound and reduce absorption.

STANDARD OVERHAUL PROCEEDURES FOR MECHANICAL
ACTIONED ORGANS.

By BERKSHIRE ORGAN COMPANY, INC.

- F. Repair any fastenings or doors into organ.
- G. Remove any unnecessary sound obstructions.
- H. Replace or repair Tremolo as required.
- I. Supervise installation of fluorescent lighting by church electrician.
- J. Supervise repair of organ chamber walls and painting of organ chamber floor, walls and ceiling by church.
- K. Supervise and co-ordinate any needed repairs to blower, motor or other electrical equipment.
- Ⓛ. Supervise and advise regarding refinishing of facade pipes and/or organ casework.
- M. Advise church regarding acoustical improvements or other related matters.

Diocese of Springfield
76 ELLIOT STREET
Springfield • Massachusetts

OFFICE OF THE BUILDING CONSULTANT

September 18, 1969

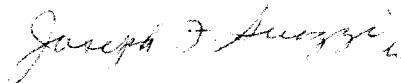
Berkshire Organ Company Inc.
68 South Boulevard
West Springfield, Massachusetts

Re: #69-26 Sacred Heart Church - Springfield
Organ Repairs

Gentlemen:

Enclosed herewith is contract in the amount of \$4,300
for the subject project which has been signed by His Excellency,
Bishop Weldon.

Very truly yours,



Joseph F. Suozzi
Diocesan Building Consultant

JFS/hd
enc.

cc: Father Mullen w/enc.

THE AMERICAN INSTITUTE OF ARCHITECTS



AIA Document A107

The Standard Form of Agreement Between Owner and Contractor

Short Form Agreement for Small Construction Contracts

Where the Basis of Payment is a
STIPULATED SUM

For other contracts the AIA issues Standard Forms of Owner-Contractor Agreements and Standard General Conditions of the Contract for Construction for use in connection therewith.

AGREEMENT

made this **Fourteenth** day of **August** in the year Nineteen
Hundred and **Sixty-nine**

**BETWEEN Roman Catholic Bishop of Springfield, a Corporation Sole, under Chapter
368 of the Acts of 1898 of the General Court of the Commonwealth of Massachusetts**

the Owner, and

**Berkshire Organ Company Inc.
68 South Boulevard
West Springfield, Massachusetts 01089**

the Contractor.

The Owner and Contractor agree as set forth below.

ARTICLE 1
THE WORK

The Contractor shall perform all the Work required by the Contract Documents for
(Here insert the caption descriptive of the Work as used on other Contract Documents.)

Organ repairs and restoration.

+ JFW.

ARTICLE 2
ARCHITECT

The Architect for this project is **none**

ARTICLE 3
TIME OF COMMENCEMENT AND COMPLETION

The Work to be performed under this Contract shall be commenced **at once**

and completed **and finish-tuning for this Christmas.**

+ JFW.

ARTICLE 4
CONTRACT SUM

The Owner shall pay the Contractor for the performance of the Work, ~~subject to additions and deductions by Change-
Order as provided in the General Conditions, in current funds,~~ the Contract Sum of **not to exceed**
(State here the lump sum amount, unit prices, or both, as desired.)

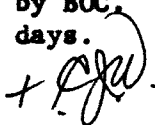
Four Thousand Three Hundred (\$4,300.00) Dollars

+ JFW.

ARTICLE 5
PROGRESS PAYMENTS

Based upon Applications for Payment submitted to the ~~Architect by the Contractor and Certificates for Payment issued by the Architect~~, the Owner shall make progress payments on account of the Contract Sum to the Contractor as follows:

1. 10% at contract signing; 15% at commencement of fabrication of any parts; 50% in increments upon demand as itemized parts and/or services are delivered to the Church (parts need not necessarily be installed); 15% upon certified completion of the work by BOC; 10% upon acceptance by the Owner.
2. Owner agrees to either accept the work or furnish a detailed list of reasons for non-acceptance in writing within 30 days following completion. Each item on any list submitted shall be promptly and completely resolved by BOC to the satisfaction of the Owner if within reasonable bounds of the contract scope. In the event of a dispute, three arbitrators shall determine the action to be taken; one to be appointed by the Owner, one by BOC and the third by the first two. Fees for the arbitrators shall be paid half by the Owner and half by BOC. After resolution of all items, Owner agrees to make final payment within 30 days.

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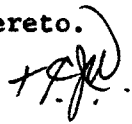
ARTICLE 6
FINAL PAYMENT

The Owner shall make final payment **thirty (30)** days after completion of the Work, provided the Contract be then fully performed, subject to the provisions of Article 17 of the General Conditions.

ARTICLE 7
ENUMERATION OF CONTRACT DOCUMENTS

The Contract Documents are as noted in Paragraph 8.1 of the General Conditions and are enumerated as follows:
(List below the Agreement, Conditions of the Contract (General, Supplementary, and other Conditions), Drawings, Specifications, Addenda and accepted Alternates, showing page or sheet numbers in all cases and dates where applicable.)

Specifications attached hereto.

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S P E C I F I C A T I O N S

Sacred Heart Church
Springfield, Massachusetts

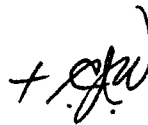
ORGAN REPAIRS AND RESTORATION

The Contractor shall furnish all labor, materials, tools, equipment, etc. required to properly perform all of the following work at the above subject project.

SCOPE OF THE WORK

I - Berkshire Organ Company, Inc. agrees to assume the following responsibilities:

1. Clean entire organ, including washing of all pipes.
2. Disassemble and inspect wind chests:
 - A. Lubricate sliders and re-shim toeboards to provide proper sealing and friction.
 - B. Repair and reseal any leaky pallet valves.
 - C. Replace any leaking bung gaskets.
3. Clean and make any necessary repairs to pipework:
 - A. Repack stoppers, if necessary in stopped pipes.
 - B. Reseat caps, if necessary, on wood pipes.
 - C. Eliminate slots in slot-tuned diapason and flute stops shorter than 3' speaking length.
 - D. Install sleeve tuners on all open metal pipes shorter than 3' speaking length, where missing.
 - E. Regulate pipework to promote tonal balance and clarity; clean reeds and repair resonators.
 - F. Completely tune organ.
4. Disassemble console and action:
 - A. Inspect all wear points and parts.
 - B. Repair or replace as necessary all felt, cloth, leather and rubber parts which are deteriorated, worn, brittle or otherwise in different state than desired.
 - C. Re-surface wear surfaces, if needed.
 - D. Repair or replace as necessary all leather nuts and broken trackers, squares or stickers.
 - E. Repair or replace as necessary all flexible pull-down links.
 - F. Check all roller boards for needed repairs, adjustments and loose pivot points.
 - G. Reduce friction as far as possible and practical at all pivot points, lighten action and adjust to reduce noise and looseness.
 - H. Recover keys, if needed; rebush keys if needed.
 - I. Adjust couplers to "fire" evenly and at a different point in the key stroke than that point where the pallet "pluck" is overcome.
 - J. Replace pedal key natural and sharp caps if needed, refelt pedalboard and adjust action.



SPECIFICATIONS - Sacred Heart Church, Springfield

5. General structure:

- A. Inspect and tighten frame.
- B. Check alignment of console mountings with chests for possible settling.
- C. Repair any bad ladders or passage boards in organ.
- D. Refelt swell shutters, if needed, and improve pivot bearings if needed. Tighten linkage between Swell Pedal and shutters and reduce noisiness.
- E. Paint interior of Swell Box with white enamel to better reflect sound and reduce absorption.
- F. Repair any fastenings or doors into organ.
- G. Remove any unnecessary sound obstructions.
- H. Replace or repair Tremolo as required.

6. In addition to the above, the Berkshire Organ Company, Inc. shall plan to make some improvements in the tonal qualities of the instrument. First, all pipes shall be thoroughly cleaned, regulated and brought up to proper voicing power. Sleeve tuners shall be installed on the pipes to avoid further damage to the pipes from tuning procedures, and certain pipes will be improved. The 8' Salicional stop shall be removed and in its place a mixture of at least two ranks provided, three ranks if space permits. The front pipes shall be refinished and installed with their tops trimmed, as mentioned previously. If space permits, Contractor shall install the bass pipes, now missing, in the Oboe stop and this stop shall be regulated to be trumpet quality, so far as possible.

7. GUARANTEE

All new (parts and components) and rebuilt (parts and components) in old organ shall be guaranteed for two (2) years against defects in materials and workmanship.

8. INSURANCE

Prior to starting the work, the Contractor shall forward to the Chancery Office, 76 Elliot Street, Springfield, insurance certificate showing his coverage for Workmen's Compensation, Public Liability insurance with limits of \$100/300,000 and Property Damage insurance with limits of \$50/50,000.

II - The Owner agrees to assume the following responsibilities:

- 1. Furnish heat, light, power, washing and cleaning facilities required for the above work.
- 2. Blower room shall be thoroughly cleaned with vacuum cleaners and wiping with cloths to stop dust from being blown into the organ.
- 3. The room shall be cleaned at least once a year in the future.
- 4. Clean the outside woodwork and wax same so that the exterior of the case shall look clean.

Contractor David M. Kopsnell, President
Berkshire Organ Company, Inc.

Owner James J. Sweldon
Roman Catholic Bishop of Springfield

Pastor Donald F. Mullen
Reverend Donald F. Mullen

AMENDMENT #1: Wherever the word "Architect" appears, substitute the words "Owner's authorized representative".

+ JPK - [Signature] OJM

This Agreement executed the day and year first written above.

OWNER + Christopher J. Heldon
Roman Catholic Bishop of Springfield

CONTRACTOR David M. Swell, President
Berkshire Organ Company, Inc.

Pastor Donald F. Mullen
Reverend Donald F. Mullen