

## MANUFACTURING ORDER and DATA SHEET - THE AEOLIAN COMPANY, NEW YORK

MAR 28 1928

New York, March 19, 1928. 192

ORGAN DEPT.  
GARWOOD

Contract No. 1674.

FACTORY: Please build an organ in accordance with specification No. 28512-EG. and following data,  
compiled by R.P.E.

*[Signature]*  
x ~~Quorum Division~~ - Aeolian-Votey Division.

BUILDING First Presbyterian Church,

Address Scotland Road &amp; Main St., Orange, N.J.

Frank G. Coughtry, Prest.

Owner &amp; Address Geo. F. Wolff, Secy.

Correspond with Graham C. Wells, 33 Liberty St., N.Y. (John 3771. Res. Nassau 2147)

Bills to Wm. S. Plume, Treas., c/o State Mutual Life. Ins. Co., 80 Maiden Lane, N.Y.

ARCHITECT E. P. Mellon, 350 Madison Ave., N.Y.

Att'n W.L. Smith.

ORGAN ARCHITECT: John A. Bell, The Iroquois, Pittsburgh, Pa.

Contractor Carlson &amp; Co., 89 Walnut St., Montclair, N.J.

Att'n

Elect. Contr. Wm. A. Shaw, on the job.

\*Conduit in  
our cont? No

Metal Contr.

\*Piping in  
our cont? No

SHIP VIA Truck.

To station  
or track

Notify Mr. Wells.

CL or LCL?

Prepay or  
collect? Prepay.If prepaid  
charge to Contract.

Shipping pmt? Yes.

COMPLETION promised Nov. 1, 1928.

Should ship Aug. 15, 1928.

Plans to  
be ready Nov. /192Space to  
be ready 8 / 15 /192 8.Building to  
be finished 11 / 1 /192 8.

POWER CURRENT, if AC, volts 230 cycles 60 phase 3 If DC, volts

Lighting current, if AC, volts 115/230 If DC, volts Motor h.p.  
prepared for

Electric Co.

&amp; address Public Service Elec. &amp; Gas Co., 250 Main St., Orange, N.J.

What special  
local rules apply? 3 wires, both services.Current data  
supplied by J. P. Zingg, agent.

Partitions in

\*SWELL BOX main organ only.

CASE finish None

Sample to  
factory\*Case in  
contract? No

Pipe finish None

Sample to  
factory\*Pipe front  
in contract? No

DRAWING rec'd 3 / 27 /1928

BP to owner / /192

and

Checked / /192

by

Okd. BP rec'd / /192

Final BP to owner / /192

O.K. by

rec'd / /

Console diagram sent fac. / /192

Approved by

/ /192

Scale sheet &amp; pressures / /192, by

OK by

AUDITORIUM, dimensions, shape, materials, acoustical information, carpets? (Send drawings) See plans.

Perfect Colonial building.

Seats, main floor balcony total Any stage?

Character of walls Floors Ceiling

Carpets, cushions, hangings, etc.

ORGAN SPACE, dimensions, shape, provision for sound proof chambers (Send drawings. Show largest opening)

See plans. Echo chamber and tone chute to be built by church. Main chambers also, but we have to build swell boxes or the partitions making expression chambers, latter advised. Work not extensive. Chair - Great - Swell across end.

Solo ~~left~~ solo chamber - Pedal right chamber. (?) See John Belf.

Dist. bet. sections if divided, direct via cable

CONSOLE, type English, draw knobs, couplers by tablets. Manuals Four.

Combinations Adjustable in console, setter type. Wood and finish Pine, natural finish.

Bench Regular, solid. Architect will design Lights No. Inside finish (Light mahogany?)

Location, etc. Cable outlet

Cable length. Add'l. lgth. exposed cable, if movable

DUO-ART No Solo 116 No Val. or No. of rolls included

Console (s) & Location (s)

CONCERTOLA No Location Cabinet

No of stations Locations

ECHO? Yes Pld. from Manual IV Distance direct via cable \*Separate blower?

BLOWER, location and distance (Send sketch. Show largest opening)

Pressures

\*Remote control furnished by Aeolian Co. Starter buttons? Yes.

RECORD: Organ sold by H. G. Stoehr Contract price? \$           

Guarantee 5 years, materials only. Installed or f.o.b. Installed Net organ price? \$           

Service credit \$ 380. Effective / / 192 for 12 mos. Factory cost \$           

Installed by            Completed / / 192 Installation cost \$           

Inspected by            Date / / 192

Remarks           

\*(Extra charge) Please be accurate and thorough. Supplement with letter when necessary.

# The AEOLIAN COMPANY

AEOLIAN HALL, NEW YORK

Specification No. 28312-FG

for Aeolian-Votey Organ

Prepared for

1674

FIRST PRESBYTERIAN CHURCH  
Scotland Road and Main Street  
Orange, New Jersey.

\*\*\*\*

## G R E A T

Flues 7" wind ✓

Tuba ~~10"~~ 12" wind ✓

16' OCTAVE WOOD - SCRY  
~~WOOD~~ METAL. L.N.H. J.B.

1 + Bourdon	16'	73 pipes	
2 + Principal Diapason	8	73 pipes	metal, 38 scale, leather heavy metal
3 *Second Diapason	8	73 pipes	metal, 42 scale (not heat)
4 *Gross Flute	8	73 pipes	wood - C - Open Basses
5 *Harmonic Flute	8	73 pipes	metal Reg Har
6-6A *Erzähler Celeste 11 8		134 pipes	spotted metal Reg
7 + Octave	4	61 pipes	metal 56
8 *Rohr Flute	4	61 pipes	metal Reg
9 + Mixture	V	305 pipes	12-15-17-19-22 (Same as Tulsa)
10 *Tuba	8	61 Reeds 73 pipes (1663)	reed 5" Scale (12" wind)
11 Chimes	8	From Echo	Deagan
12 Harp	4	61 bars	Aeolian Special

13 Tremulant, for high and low pressure (one stop) (High on only when Tuba is drawn)

(\*) In separate expression box.

(+) ON OPEN CHEST - PER J.B.

(#) Enclosed with Great organ, Subject to couplers on gt only per J.Bell.

15 HP ORQB40 #22277 220 VOLTS 3 PHASE 60 CYCLES 1150 RPM

60 AMP 12 VOLT ELEC SPEC. GENERATOR #82591

15 H.P. STARTING SWITCH - CUTLER HAMMER

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Flutes 7"  
Reeds 10"  
V.C. 7"  
Oboe 7" 60/10"

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## S W E L L

14	Bourdon	16'	73 pipes	• wood	7" <u>THROUGHOUT</u> PER J. BELL Scale 24
15	Open Diapason	8	73 pipes	• metal	(scale 40) (1st leather)
16	Clarabella	8	73 pipes	• wood	E Scale - Stopped Bts.
17	Gedackt Celeste 11	8	73 pipes	• metal	37 Metal Spec
18	Salicional	8	73 pipes	• spotted metal	58
19	String Celeste 11	8	<del>154</del> 146 pipes	• spotted metal	(V.d.o.) 60
20	Octave	4	61 pipes	• metal	58
21	Chimney Flute	4	61 pipes	• metal	Reg
22	Dolce Mixture	11 1/2	<del>183</del> 275 pipes	• <del>12-15-17</del>	Reg String Mixture
23	Posaune (10" wind)	16	73 pipes	69 Reeds reed	(10" wind) 8" Trump
24	Cornopean (10" wind)	8	73 pipes	56 Reeds reed	(10" wind) 5" Trump
25	Oboe	8	73 pipes	49 Reeds reed	(capped) full length 1/2 capped
26	Vox Humana (separate box & chest)	8	73 pipes	• reed	Reg (cap soldered on-tune on top - not holds)
27	Clarion	4 (1640)	61 pipes	44 Reeds reed	(10" wind) not too free-3
28	Tremulant	All in separate expression box			

## C H O I R

29	Contra Gamba	16'	73 pipes	• spotted metal	45
30	English Diapason	8	73 pipes	• metal	44
31	Concert Flute	8	73 pipes	• wood	Reg (S)
32	Dulciana	8	73 pipes	• spotted metal	56
33	Unda Maris (t.c.)	8	61 pipes	• spotted metal	56
34	Wald Flute	4	61 pipes	• wood	52 - incl. 4' C.
35	Piccolo	2	61 pipes	• metal	Reg
36	Clarinet	8	73 pipes	• reed	Sticking Reed
37	English Horn	8	73 pipes	• reed	Reg
38	Tremulant	In separate expression box.			

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## S O L O (10" wind)

39	Stentorphone	8'	73 pipes	• 38 scale	heavy metal, leathered
40	Orchestral Flute	8	73 pipes	•	wood, all open <sup>PEDAL OPEN FLUTE</sup>
41-44	Gamba Celeste <u>11</u>	8	146 pipes	•	spotted metal 57
42	Harmonic Flute	4	61 pipes	•	metal - <sup>Yield to me with</sup> Orchestral Flute
43	French Horn	8	73 pipes	•	reed - Reg
44	Tuba Mirabilis	8	73 pipes	• 61 Reeds	reed (15" wind) - 5 1/2
45	Harp	4	61 notes		from Great
46	Tremulant				

All in separate expression box,

## P E D A L (7" wind) unenclosed.

47	Resultant	32'	✓ 32 notes	•	acoustic bass
48	Sub Bourdon	32	✓ 56 pipes	•	wood - Scale 1
49	Open Diapason	16	44 pipes	•	wood (large scale extra heavy) Scale
50	Bourdon	16	✓ 32 notes	• (augmented from wood Sub Bourdon)	
51	Lieblich Gedeckt	16	✓ 32 notes	• (from Swell) <sup>Edm</sup>	wood
✓ 52	Violone	16	✓ 44 pipes	•	<sup>Wood</sup> <del>metal</del> - Reg
53	Contra Gamba	16	✓ 32 notes	• (from Choir)	metal
54	Dolce Flute	8	✓ 32 notes	• (from Swell) <sup>Edm</sup>	wood
55	Gedeckt	8	✓ 32 notes	• (Ext. Pedal Bourdon)	wood
✓ 56	Cello	8	✓ 32 notes	• (Ext. Pedal Violone)	<sup>Wood</sup> <del>metal</del>
57	Gamba	8	✓ 32 notes	• (From Choir)	metal
58	Major Flute	8	✓ 32 notes	• (Ext. Pedal Open)	wood
59	Trombone	16	56 pipes	•	reed (15" wind) <sup>10"</sup> meta
60	Posaune	16	✓ 32 notes	• (from Swell)	reed
61	Tromba	8	✓ 32 notes	• (Ext. Trombone)	reed (15" wind)
62	Clarion	4	✓ 32 notes	• (Ext. Trombone)	reed (15" wind)
63	Chimes	8	25 notes	(from Echo)	deagen

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## E C H O (play from Solo) 6" wind

64-6 1/2 Vox Angelica 11	8'	134 pipes	spotted metal	63 Aedine
65-6 1/2 Spitz Flute Celeste 11		134 pipes	metal	Reg
66 Chimney Flute 8		73 pipes	metal	Reg 33 WOOD BASS
67 Vox Humana 8		73 pipes	reed (separate box Chest & tremolo)	Reg
68 Orchestral Oboe 8		73 pipes	reed	Reg
69 Cathedral Chimes 8		25 bells	deagen	
70 Tremulant				

## C O U P L E R S

Sw to Gt 8'	Sw to Sw 4'	Ch to So 4'
Ch to Gt 8'	So to Sw 8'	Gt to So 8'
So to Gt 8'	So to Ch 8'	So to So 16'
Gt to Gt 16'	Sw to Ch 8'	So to So 4'
Gt to Gt 4'	Sw to Ch 16'	Gt to Pedal 8'
Sw to Gt 16'	Sw to Ch 4'	Sw to Pedal 8'
Sw to Gt 4'	Ch to Ch 16'	Ch to Pedal 8'
Ch to Gt 16'	Ch to Ch 4'	So to Pedal 8'
Ch to Gt 4'	Sw to So 8'	Gt to Pedal 4'
So to Gt 16'	Ch to So 8'	Sw to Pedal 4'
So to Gt 4'	Sw to So 4'	So to Pedal 4'
Sw to Sw 16'		Pedal Octave

(\*) All to be in room prepared for it. Organ builder will supply and install shutters and framework and swell motors to operate same.

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## ADJUSTABLE COMBINATIONS

Seven pistons affecting Great organ.

Seven pistons affecting Swell organ.

Five pistons affecting Choir organ.

Eight pistons affecting Solo and Echo organs.

Six pistons affecting pedal stops, duplicated by toe pistons.

Six general pistons affecting stops and couplers of entire organ.

General cancel piston.

Combination setter piston.

Sforzando piston (duplicating sforzando pedal.)

All Swells to Swell pedal (pistons) (reversible)

Not affecting coupler  
but affecting tremolo  
and percussions

## ACCESSORIES

Balanced expression pedal affecting Great.

Balanced expression pedal affecting Swell.

Balanced expression pedal affecting Choir.

Balanced expression pedal affecting Solo and Echo.  
(Echo shades operate only when an Echo stops is down.)

Balanced crescendo pedal affecting stops and selected couplers of entire organ

Sforzando pedal (reversible) affecting stops and couplers of entire organ.  
(Locate next to Crescendo.)

Great to Pedal reversible.

Organ bench.

Signal button.

Signal light.

Signal light.  
off & on buttons for chim's danger  
" " " " " " " "

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## GENERAL DETAILS OF CONSTRUCTION

**Organ:** Manuals, Four compass CC to C<sup>4</sup> ..... 61 notes,  
Pedals, compass CCC to G ..... 32 notes.  
The windchests of the manuals affected by octave couplers to be extended an octave above the compass of the keyboards, to 73 notes.

**Console:** Type, Englist Draw Knob  
Stop control, Draw Knobs and Tilting tablets.  
Combinations, adjustable at the console, visibly affecting the registers.

Manual keyboards inclined and all keyboards arranged for convenient access to contacts. Pedals A. G. O. pattern, concave and radiating.

**Action:** Electro-pneumatic throughout. Direct current generator of ample capacity. Contacts of silver. Aeolian high resistance magnets.

**Case:** No case or screen is embraced in this contract, except console case and bench of Aeolian standard design, built of native hardwood and finished to sample supplied by purchaser. ##

**Pitch:** Philharmonic, A—440; C—523.3.

**Blower:** Electric motor and blower of standard make to furnish an ample and steady supply of wind.

**Pipe Work:** Exclusively Aeolian manufacture and voicing, scientifically scaled, made and voiced for each organ with full knowledge of the building, organ space and intended use; no "stock" or "piece-work" voicing.

**Purchaser Agrees:** To furnish drawings and all essential information for the construction of the organ and to make necessary preparations for the organ at his own expense in accordance with directions and information supplied by the organ builder, such to include: the provision of ~~sound-proof~~ chamber or chambers with suitable openings, clean and thoroughly dried out before the organ parts are delivered; suitable room for motor and blower and all wiring, conduit and switches for power current; conduit, if required\*, for organ cables and mains; air-tight galvanized iron pipes from blower to organ and console; electric lights in organ chambers, console and blower room; and adequate ventilation and means of keeping the atmosphere in all parts of the organ, console and blower room at a proper temperature and free from dampness, dust or other detrimental conditions. Also to allow such access to and use of the premises as may be necessary and convenient for the proper installation, regulation and tuning of the organ, and to provide necessary light, heat and power therefor.

AEOLIAN COMPANY agrees: Organ to be delivered to the Church free of freight and cartage, set up and finished ready to play, and to be satisfactory both tonally and mechanically to the purchaser before its acceptance.

\*NOTE:—Aeolian-Votey organ installations comply with the Code of the National Board of Underwriters which specifies: "The outside covering of organ cables not run in conduit must be either flame-proof or covered with a closely wound fire-proof tape.....Conduit may be used, but shall not be required." Aeolian-Votey cables are flame proof and damp proof.

(##) See page 6A for exceptions and explanations.

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Page 6A

Following items, copied from Page 6 of original specification. Submitted by John A. Bell, explain, and in case of difference supersede items printed on page 6 of this contract, and in particular with reference to the provision of chamber or chambers for the organ except as refers to Echo Organ on Page 4 of this contract, and the provision of remote control starter and console switch.

The Aeolian Company agrees to build any necessary expression boxes or divisions in the organ space at its own expense, and is hereby permitted by the church to utilize any chamber walls, floors or ceilings that may be convenient for their expression boxes.

The Aeolian Company agrees to supply the Cutler-Hammer remote starter with silent switch for console.

## ITEMS FROM PAGE 6, REFERRED TO ABOVE.

Action to be electro-pneumatic.

Electric blowing plant of ample capacity.

Generator for action current.

Cutler-Hammer remote starter with silent switch for console

Swell boxes to be at least 2" thick and tightly fitted.

Console to be detached and extended.

Wood finish of console to match church furnishings.