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AR SERIES ORGANS
EARMARK FOR
#10931 NORTHERN STATE COLLEGE, ABERDEEN, S. D.
2/7 Johnson Fine Arts Ctr Rm 125
SPECIFICATIONS OF SERIES 70-6 ORGAN

GENERAL

(1) ORGAN

Great Organ	Exposed, Supply enclosure
Swell Organ	Standard Series 70 Design
	Organ layout will be supplied
Wood & Finish	Rift Sawn Oak to Color Block #M 4150-2
Fabric	Mellotone <i>Pratt & Lambert "Oriental Walnut"</i>
Action	Electro-Pneumatic (unit type)
Wind Pressure	Offsets 4-1/2", Trebles 3-1/2"
Pitch	A-440 @ 70°F

(2) CONSOLE

Cabinet	Standard Series 70 design with roll top
Wood & Finish	Rift Sawn Oak to Color Block #M 4150-2
Manuals	Two and Pedal <i>Pratt & Lambert "Oriental Walnut"</i>
Manual Compass	CC to C4, 61 notes
Pedal Compass	CCC to G, 32 notes
Stop Controls	Tilting Tablets
Action	All Electric

(3) BLOWERS (Two (2) Required)

Type	Meidinger Style ¹⁰⁰⁴ 1003 - .4 HP - 3360 RPM
Rating	500 300 c.f.m. @ 4" - 46" outlet
Current Specifications	1 Ph - 60 Cy - 110 Volts - 7 Amperes
Overall Size	1' - 7-5/8" x 1' - 9-1/4" x 2'-0" high

(4) POWER UNIT (mounted within Swell organ cabinet)

Rating	DC Output: 10-15 Volts - 30 Amperes
Current Specifications	AC Input: 1 Ph - 60 Cy - 110 Volts - 10 Amperes
Overall Size	17" long x 11" wide x 7" high

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CONSOLE AND ORGAN

GREAT ORGAN (Exposed)

1	16	Bourdon.....	92 pipes
2	8	Principal.....	80 pipes
3	8	Gedeckt.....from #1.....	61 notes
4	8	Gemshorn.....from #13.....	61 notes
5	4	Octav.....from #2.....	61 notes
6	4	Gedeckt.....from #1.....	61 notes
7	2	Super Octav.....from #2...(repeat 5 top notes).....	61 notes
8	2	Flute.....from #1...(repeat 5 top notes).....	61 notes
9	II	Mixture.....	122 pipes
10		Chimes.....prepared for in console only	
11		Tremolo	

SWELL ORGAN (Enclosed)

12	8	Spitzflöte.....(low octave from #13).....	68 pipes
13	8	Gemshorn.....	85 pipes
14	4	Spitzflöte.....from #12.....	61 notes
15	2	Spitzflöte.....from #12.(repeat 5 top notes).....	61 notes
16	1-1/3	Larigot.....from #13.(repeat 7 top notes).....	61 notes
17	16	Contre Trompette.....	80 pipes
18	8	Trompette.....from #17.....	61 notes
19	4	Clairon.....from #17.(repeat 5 top notes).....	61 notes
20		Tremolo	

PEDAL ORGAN

21	16	Bourdon.....from #1.....	32 notes
22	8	Principal.....from #2.....	32 notes
23	8	Gedeckt.....from #1.....	32 notes
24	8	Gemshorn.....from #13.....	32 notes
25	4	Octav.....from #2.....	32 notes
26	4	Spitzflöte.....from #12.....	32 notes
27	III	Mixture.....from #7 & 9	32 notes
28	16	Contre Trompette...from #17.....	32 notes
29	8	Trompette.....from #17.....	32 notes
30	4	Clairon.....from #17.....	32 notes

COUPLER

31 Swell to Great

ADJUSTABLE COMBINATIONS

Pistons No. 1-2	Affecting Great and Pedal
Pistons No. 1-2	Affecting Swell and Pedal
Pistons No. 1-2	Affecting Full Organ

PEDAL MOVEMENTS

Balanced Expression Pedal - Swell Organ (8 stages, reverse system)
Balanced Crescendo Pedal with indicator light (green jewel)

ACCESSORIES

Motor and power unit-on-off switch (toggle type) with indicator light (red jewel)
and related electrical wiring.

Concave and radiating pedal keyboard
Organ bench with music shelf
Music rack light
Pedal light

PIPE ANALYSIS

<u>STOP</u>	<u>PITCH</u>	<u>PIPES</u>	<u>SCALE</u>	<u>HALVING</u>	<u>MOUTH</u>	<u>METAL</u>	<u>WIND PRESSURE</u>
<u>GREAT ORGAN (Exposed)</u>							
Bourdon	16	92	CCC to BBB Reg. Manual Bourdon			Wood	) 1- ¹² 0 4-1/2"
			CC to BB Reg. Art. Tapered Bass			Wood	) 1 up 3-1/2"
			TC up Reg. Art. Trebles			Wood S.M.)	) ¹³ up 3-1/2"
			CC 56 20 2/9				
Principal	8	80	CC 52 TC 60 18	1/4	12 All Zinc		) 1- ⁷ 0 4-1/2"
					12 Zinc & S.M.)		) ⁸ up 3-1/2"
					13 ⁰ up S.M.		) ⁸
Mixture	II	122	See Formula Below			S.M.	3-1/2"
<u>SWELL ORGAN</u>							
Spitzflöte T.C.	8	68	60-2/3 @ 4' C 19	2/9		S.M.	3-1/2"
Gemshorn	8	85	CC 54-1/3 17	2/9	12 Zinc S.M.)		
			#56 102-2/3 20	2/9		)	3-1/2"
Contre Trompette 16		80	2-1/2" CCC to FF half length			)	
			FF# up full length			)	3-1/2"
			D(F) Eschallots		Zinc S.M.	)	

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GREAT II MIXTURE FORMULA

19	15	12
22	19	15
<u>1-49</u>	<u>50-56</u>	<u>57-61</u>

Unison 50 Sc. - 18-1/2 - 1/4 mouth - S.M.
 Quint 51 Sc. - 18-1/2 - 1/4 mouth - S.M.