

TEST DATA SEPT. 20, 1978

TEST HOLE	VR	S/R	T/R	DUCT DIA	FAN	CFM
(A)	1.2			32"	4400	24,500

**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

DEC 7 1978

1951 STORAGE BASEMENT

CONTINENTAL GRAIN CO.  
LONGVIEW, WASH.

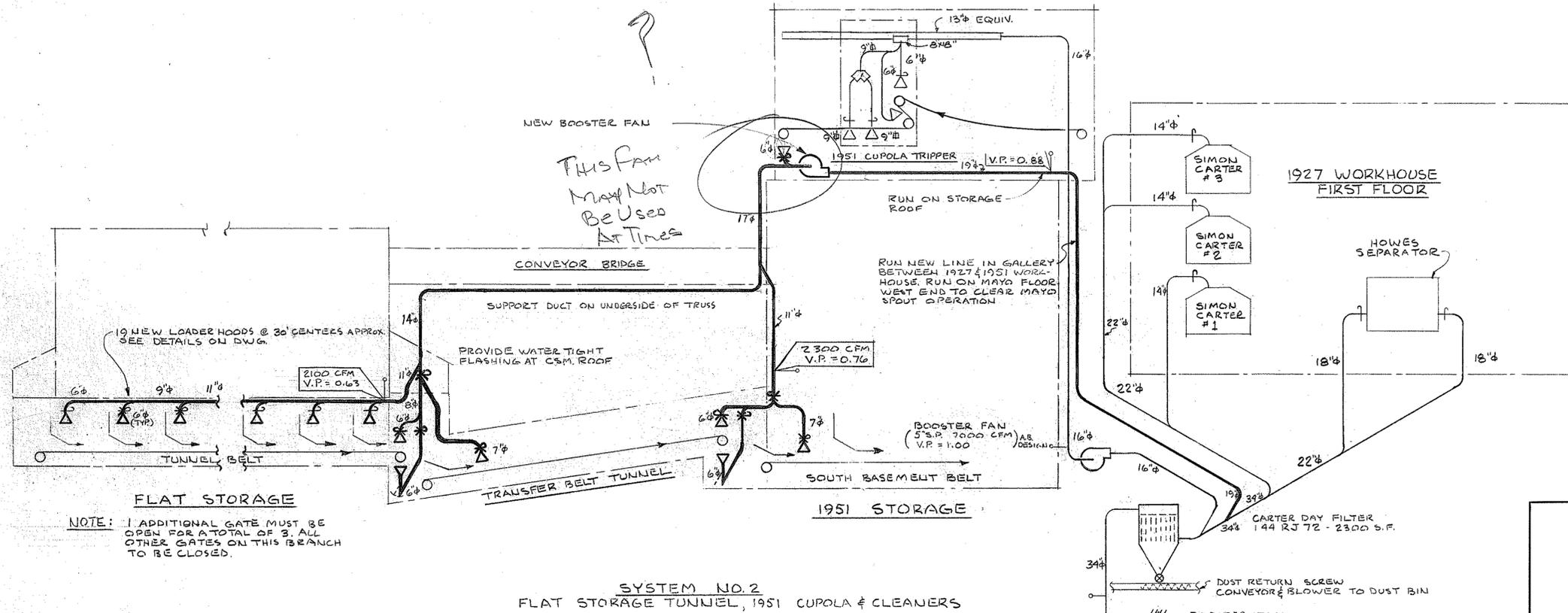
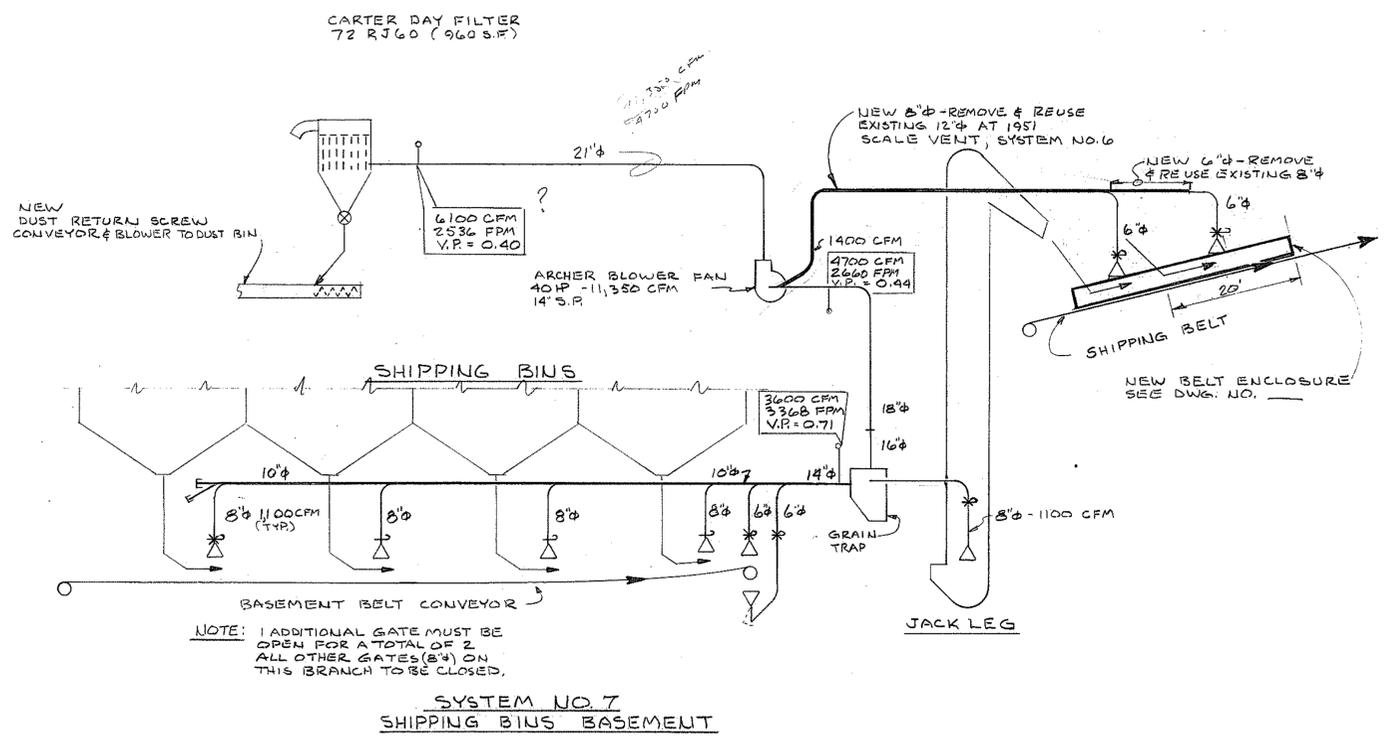
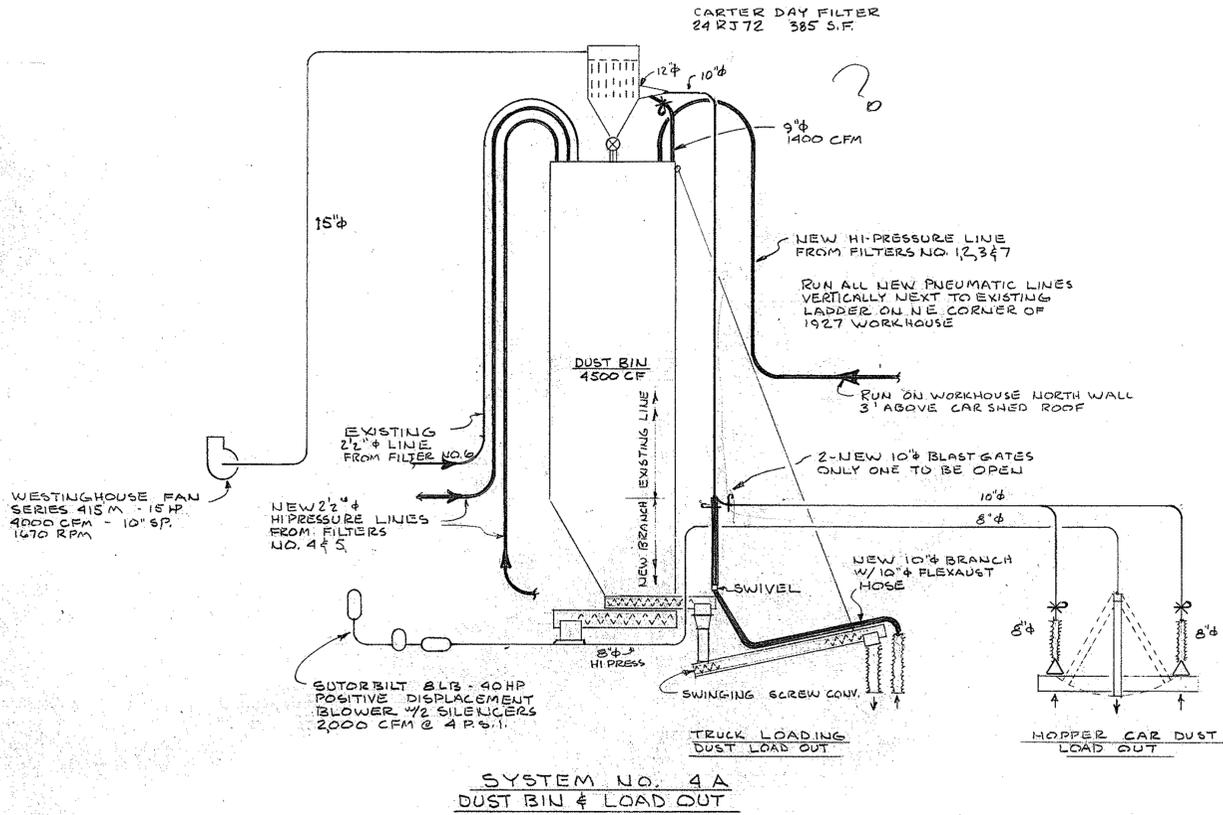
SCHMATIC DIAGRAM  
EXISTING DUST SYSTEM NO. 6  
1951 ANNEX

MARSHALL, BARR & PACQUER  
915 LLOYD BUILDING  
SEATTLE, WASHINGTON 98101



JOB NO.	
1415	
DRAWN / TRACED	
JDH	
CHECKED / DATE	
SCALE	
DWG. NO.	ISSUE
1	

PLAN FIELD CORPORATION • IRVINE, CALIFORNIA  
REGISTERED PROFESSIONAL ENGINEER No. 10000  
REGISTERED PROFESSIONAL ENGINEER No. 10000



*#17 too low, CFM*  
*#2 Flat Storage Booster Fan Spec Duct support on Truss DTL.*

**PRELIMINARY**  
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION

DEC 7 1978

CONTINENTAL GRAIN CO. LONGVIEW, WASH.		JOB NO. 1415
1979 DUST SYSTEM REVISIONS		DRAWN JDH
SCHEMATIC DIAGRAMS		TRACED JDH
SYSTEMS 2, 4A & 7 REVISIONS		CHECKED DATE
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101		SCALE
DWG. NO. 9		ISSUE



DRAWING NUMBER  
**B382**

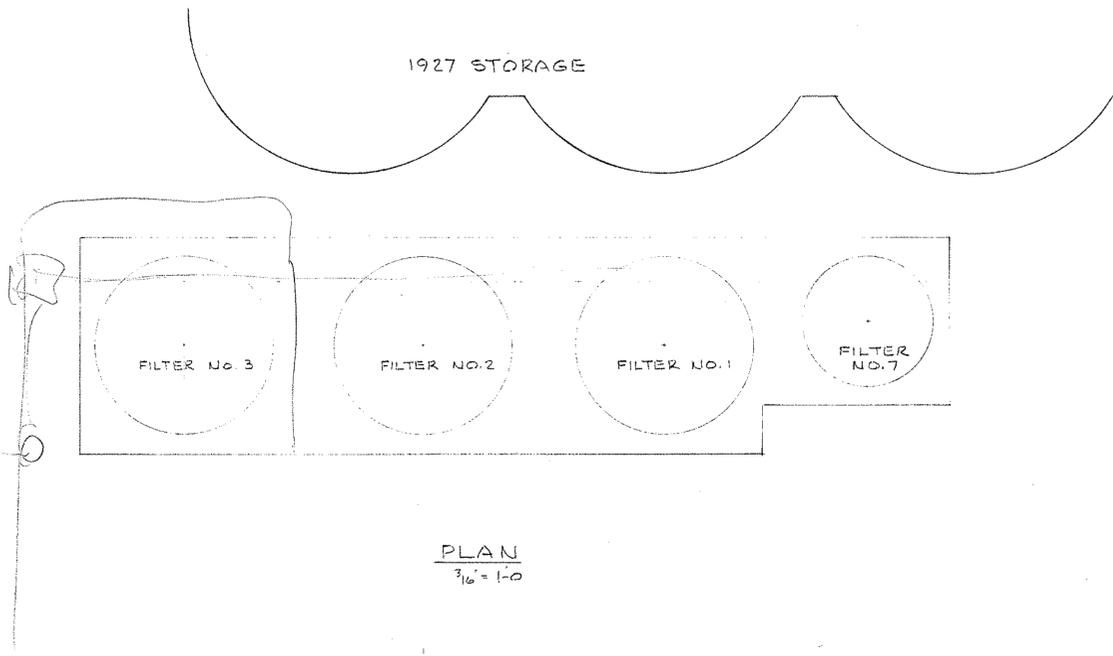
DRAWING NUMBER  
11503

DRAWING NUMBER

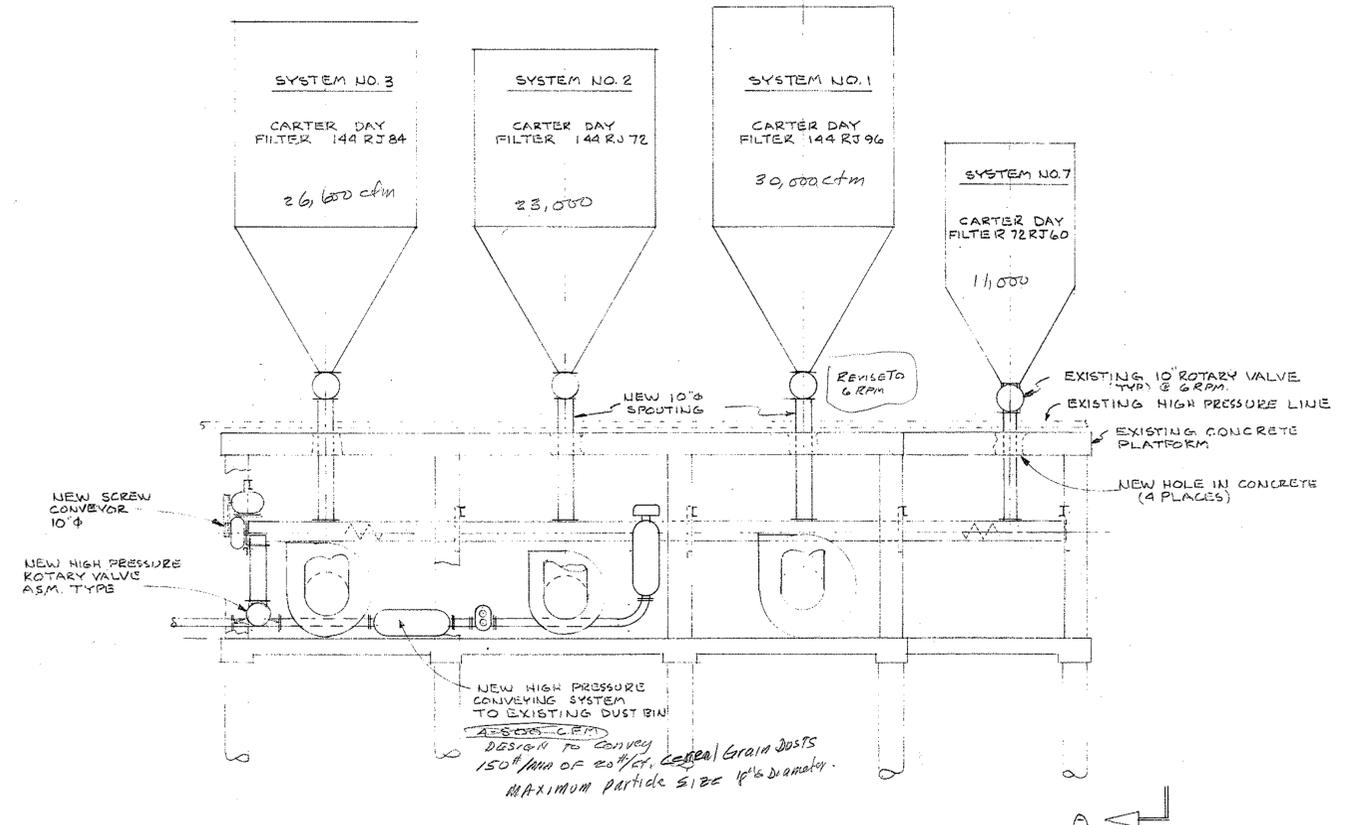
DRAWING NUMBER

1927  
WORKHOUSE

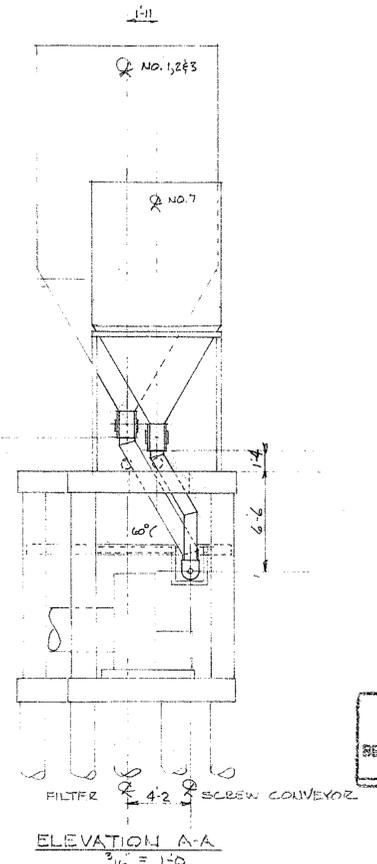
1927 STORAGE



PLAN  
3/16" = 1'-0"



ELEVATION  
3/16" = 1'-0"



ELEVATION A-A  
3/16" = 1'-0"

**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

NOTE: EXISTING HI PRESSURE SYSTEMS NO. 1-2-3 & NO. 7 SHALL BE RE-USED TO RETURN DUST FROM FILTER NOS. 4 & 5 TO THE DUST BIN.

DEC 7 1978

CONTINENTAL GRAIN CO. LONGVIEW, WASH.		JOB NO. 1415	
		DRAWN	TRACED
DUST ACCUMULATION SYSTEM		CHECKED	DATE
		SCALE AS NOTED	
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101		DWG. NO.	ISSUE
		10	

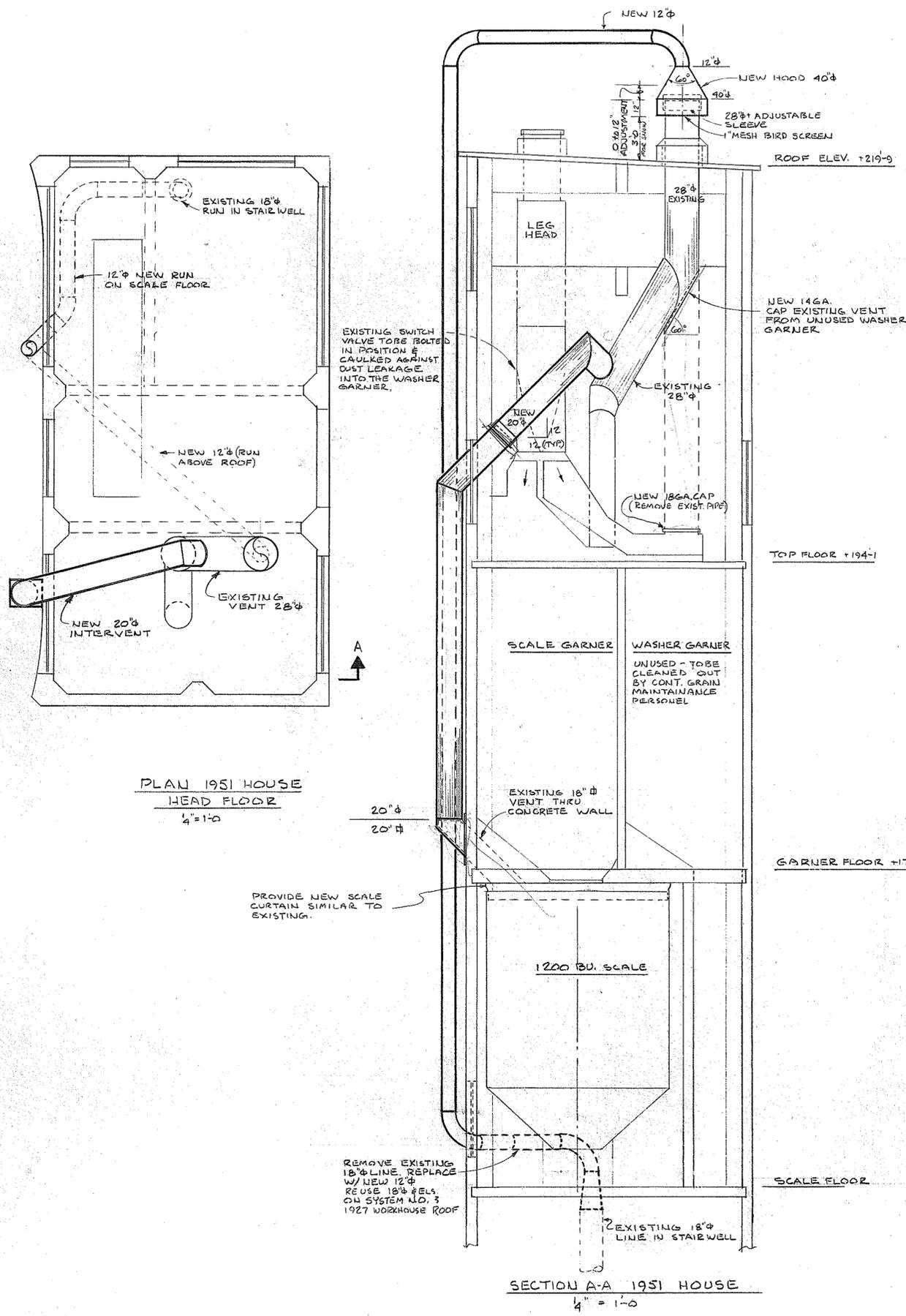


DRAWING NUMBER  
**0383**

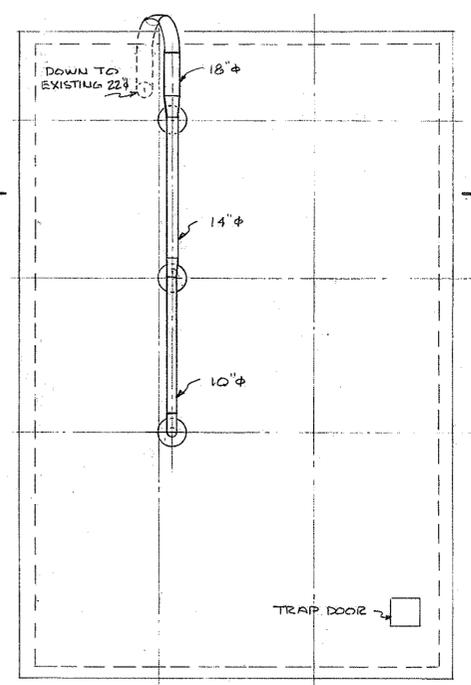
DRAWING NUMBER

DRAWING NUMBER

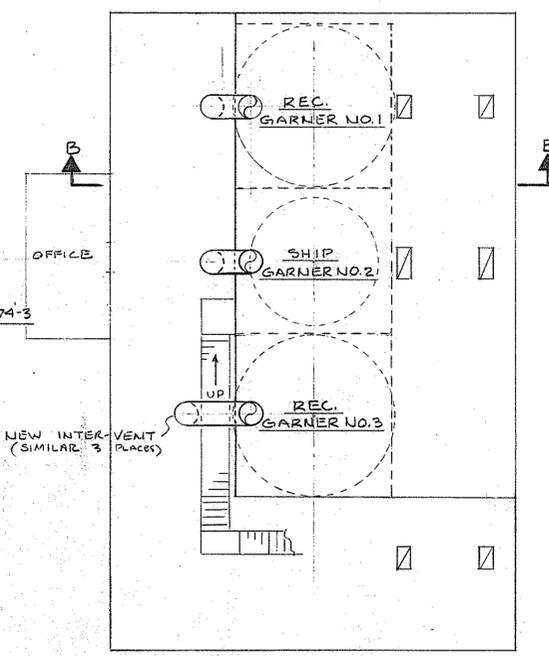
DRAWING NUMBER



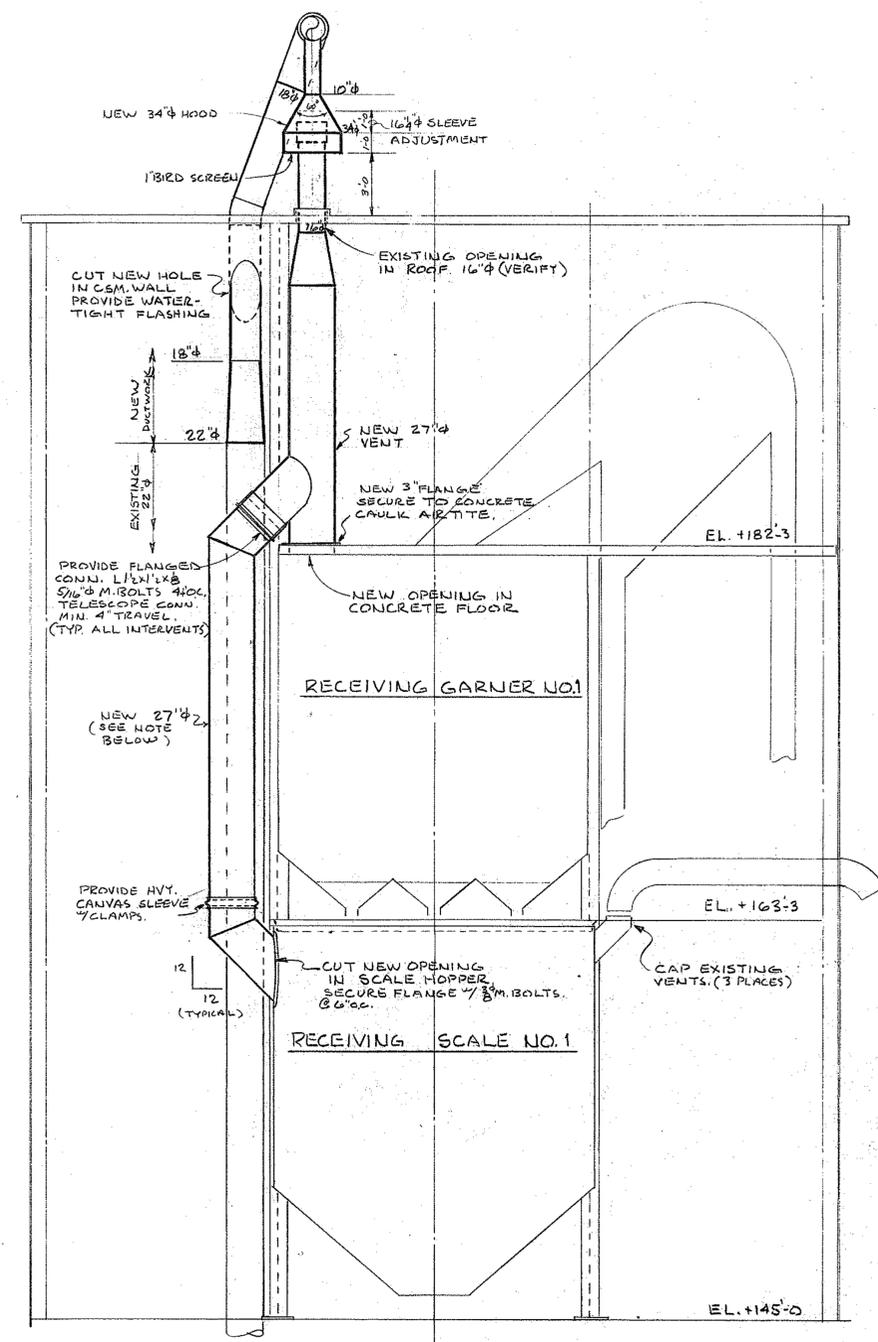
PLAN 1951 HOUSE  
HEAD FLOOR  
1/4" = 1'-0"



PLAN OF 1927 HOUSE ROOF  
EL. + 198'-0"  
1/8" = 1'-0"



PLAN AT TOP OF GARNERS  
EL. + 163'-3"  
1/8" = 1'-0"



SECTION B-B 1927 HOUSE  
1/4" = 1'-0"

NOTE: FIELD MEASURE FOR EACH INTERVENT & ALL OTHER NEW DUCTWORK BEFORE FABRICATION.

PRELIMINARY  
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION

REMOVE EXISTING 18\"/>

SECTION A-A 1951 HOUSE  
1/4" = 1'-0"

DEC 7 1978

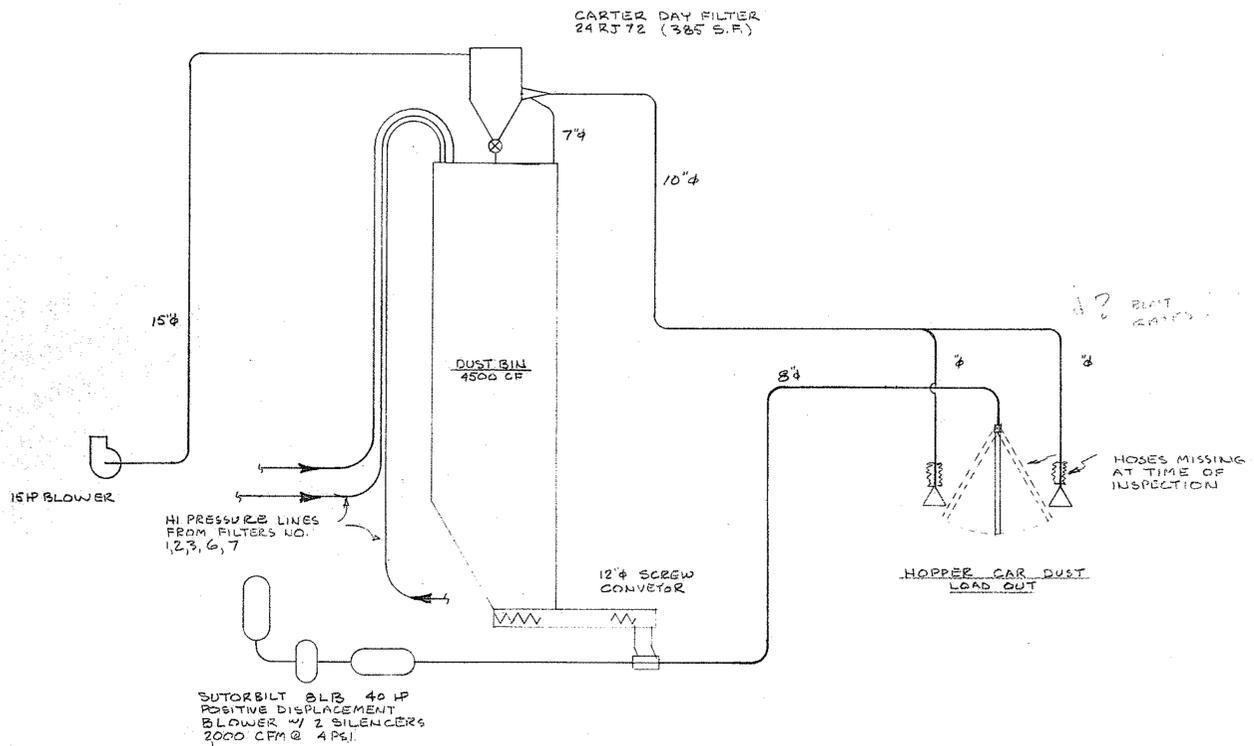
CONTINENTAL GRAIN CO. LONG VIEW, WASH.		JOB NO. 1415	
1979 DUST SYSTEM REVISIONS		DRAWN	TRACED
SCALE-GARNER INTERVENT REVISIONS - 1927 & 1951 WORKHOUSES		JDH	JDH
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101		CHECKED	DATE
MB CONSULTING ENGINEERS		Nov. 29, 78	
A'S NOTES		SCALE	
Dwg. No.		ISSUE	
11		11	

DRAWING NUMBER  
**B380**

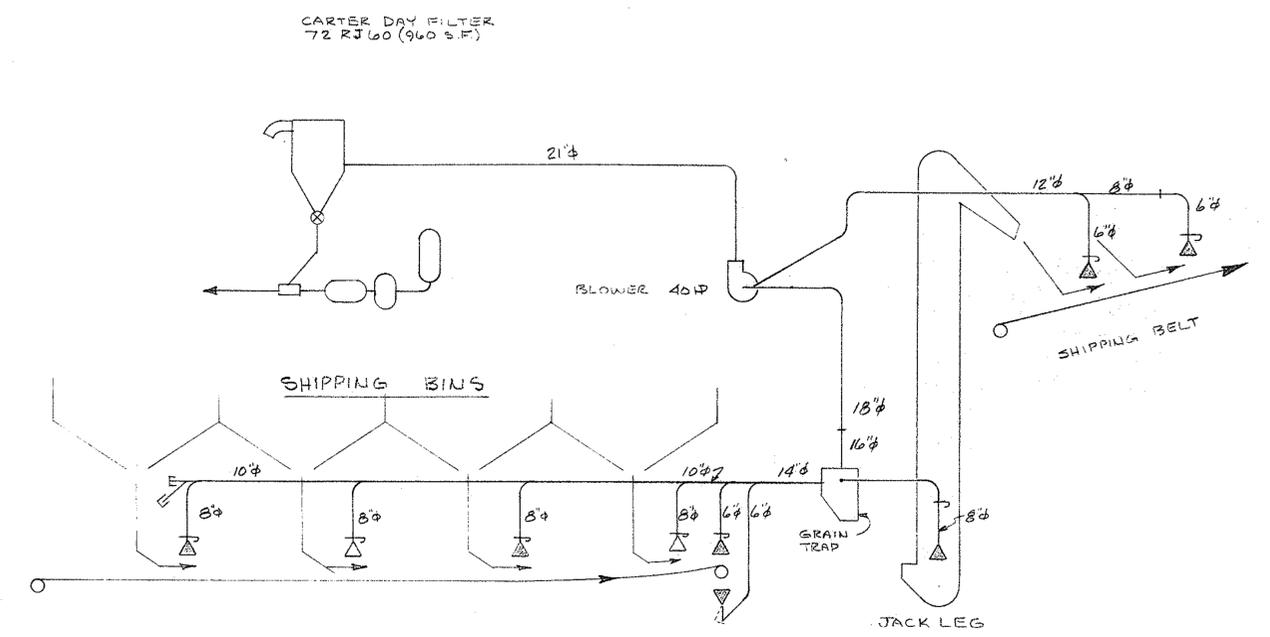
DRAWING NUMBER

DRAWING NUMBER

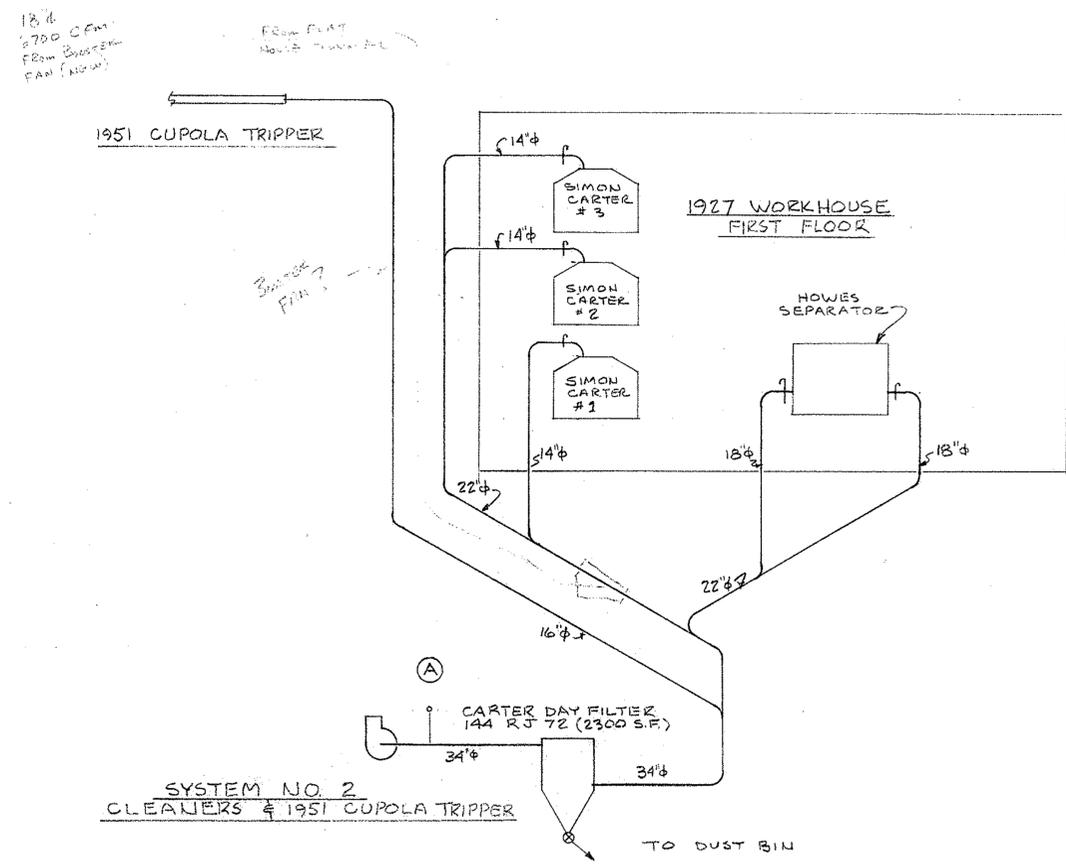
DRAWING NUMBER



SYSTEM NO. 4A  
DUST BIN & LOAD OUT



SYSTEM NO. 7  
SHIPPING BINS BASEMENT



SYSTEM NO. 2  
CLEANERS & 1951 CUPOLA TRIPPER

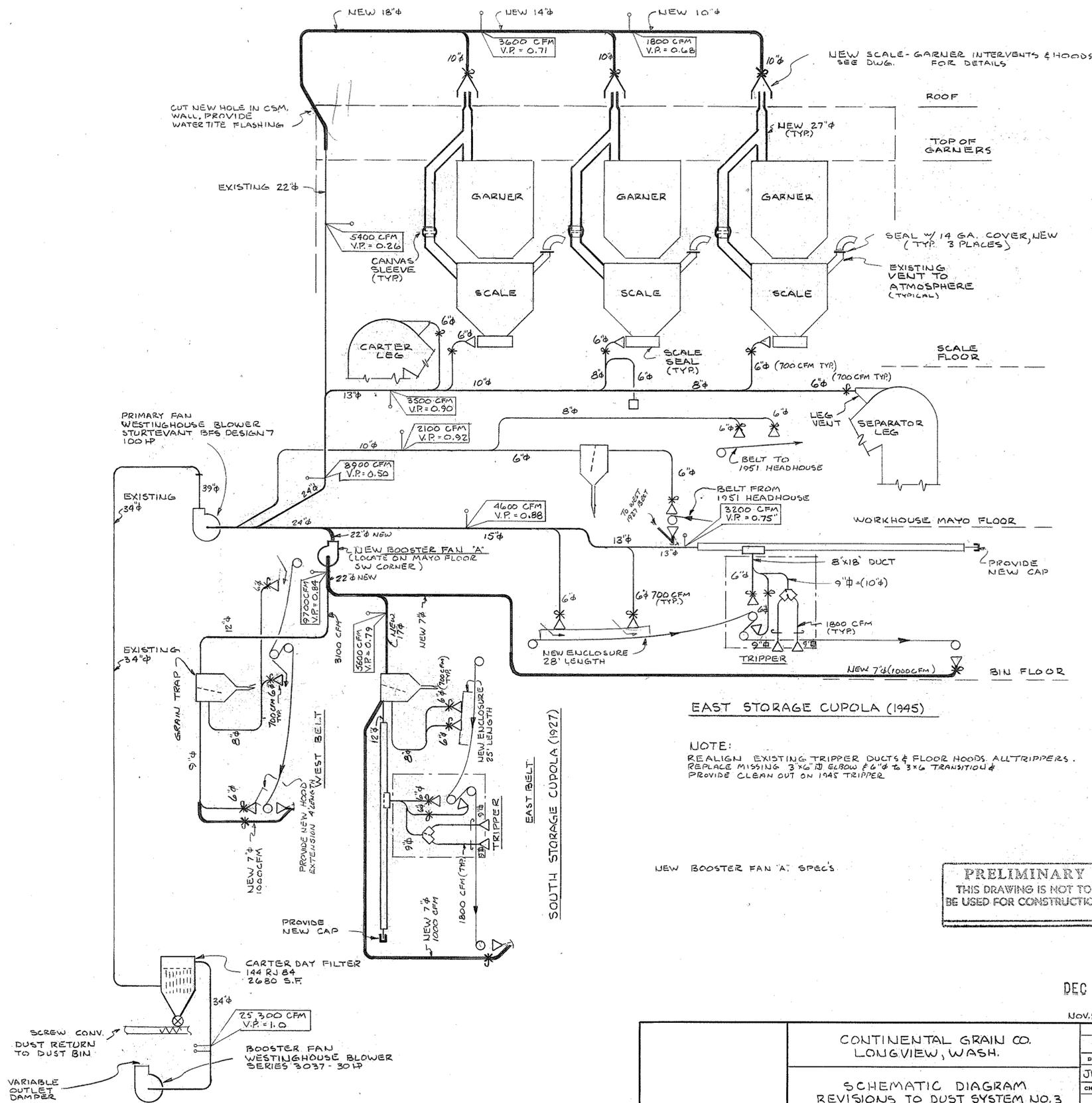
TEST DATA SEPT 20, 1978

TEST HOLE	V.R.	S.P.	T.P.	DUCT DIA.	PPM	CFM
(A)	0.15	6.2	6.0	34"	1550	9770 (CLEANERS NOT OPERATING)

**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

DEC 7 1978

CONTINENTAL GRAIN CO. LONGVIEW, WASH.	JOB NO.	1415
	DRAWN	TRACED
	CHECKED	DATE
	SCALE	
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101	DWG. NO.	ISSUE



NEW BOOSTER FAN 'A' SPEC'S

**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

DEC 7 1978

Nov. 20, 1978

CONTINENTAL GRAIN CO. LONGVIEW, WASH.	JOB NO. 1413
	DRAWN JDH
SCHEMATIC DIAGRAM REVISIONS TO DUST SYSTEM NO. 3 1927 SCALES & CUPOLA	CHECKED JDH
	DATE
SCALE AS NOTED	
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101	DWG. NO. 4
	ISSUE

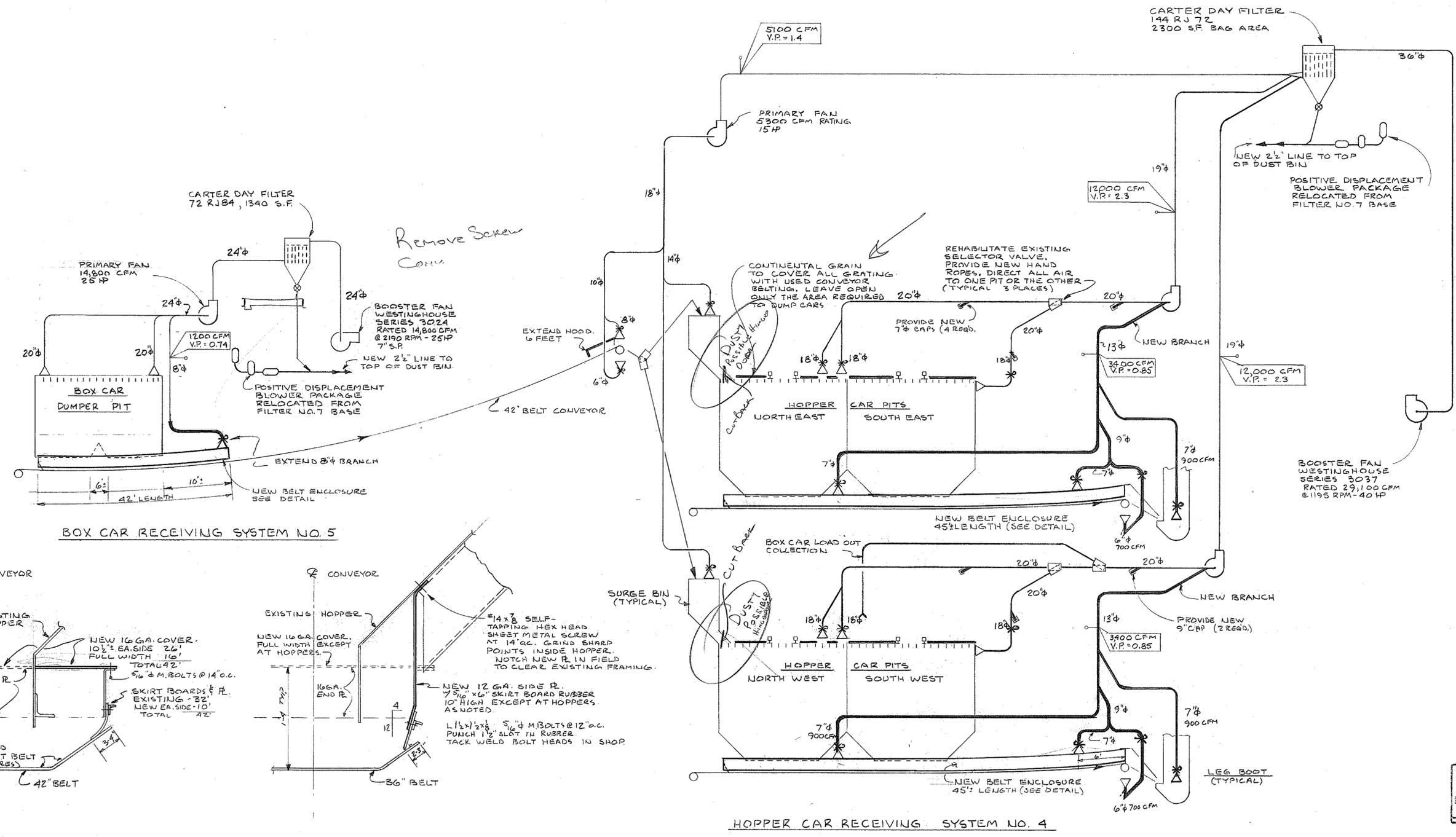


B378

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER



BOX CAR RECEIVING SYSTEM NO. 5

HOPPER CAR RECEIVING SYSTEM NO. 4

BOX CAR BELT ENCLOSURE  
1/2" = 1'-0"

HOPPER CAR BELT ENCLOSURE  
1/2" = 1'-0"

**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

DEC 7 1978

NOV 30 1978

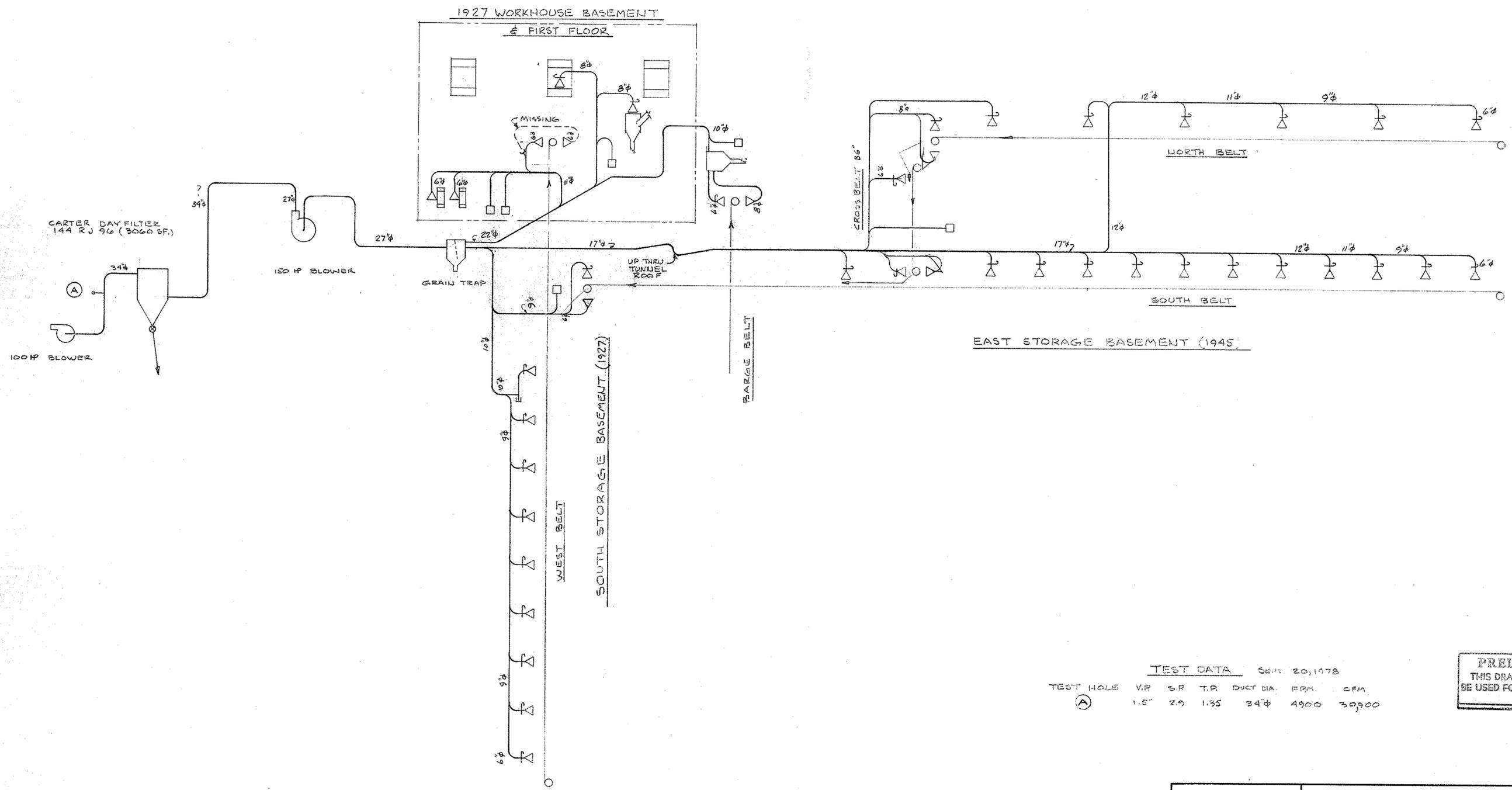
CONTINENTAL GRAIN CO. LONGVIEW, WASH.		JOB NO. 1415
SCHEMATIC DIAGRAM REVISED DUST SYSTEM NO. 4 & 5 BOX CAR & HOPPER CAR PITS		DRAWN TRACED JDH
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101		CHECKED DATE
MB CONSULTING ENGINEERS		SCALE
		DWG. NO. ISSUE 6

DRAWING NUMBER  
**B379**

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER



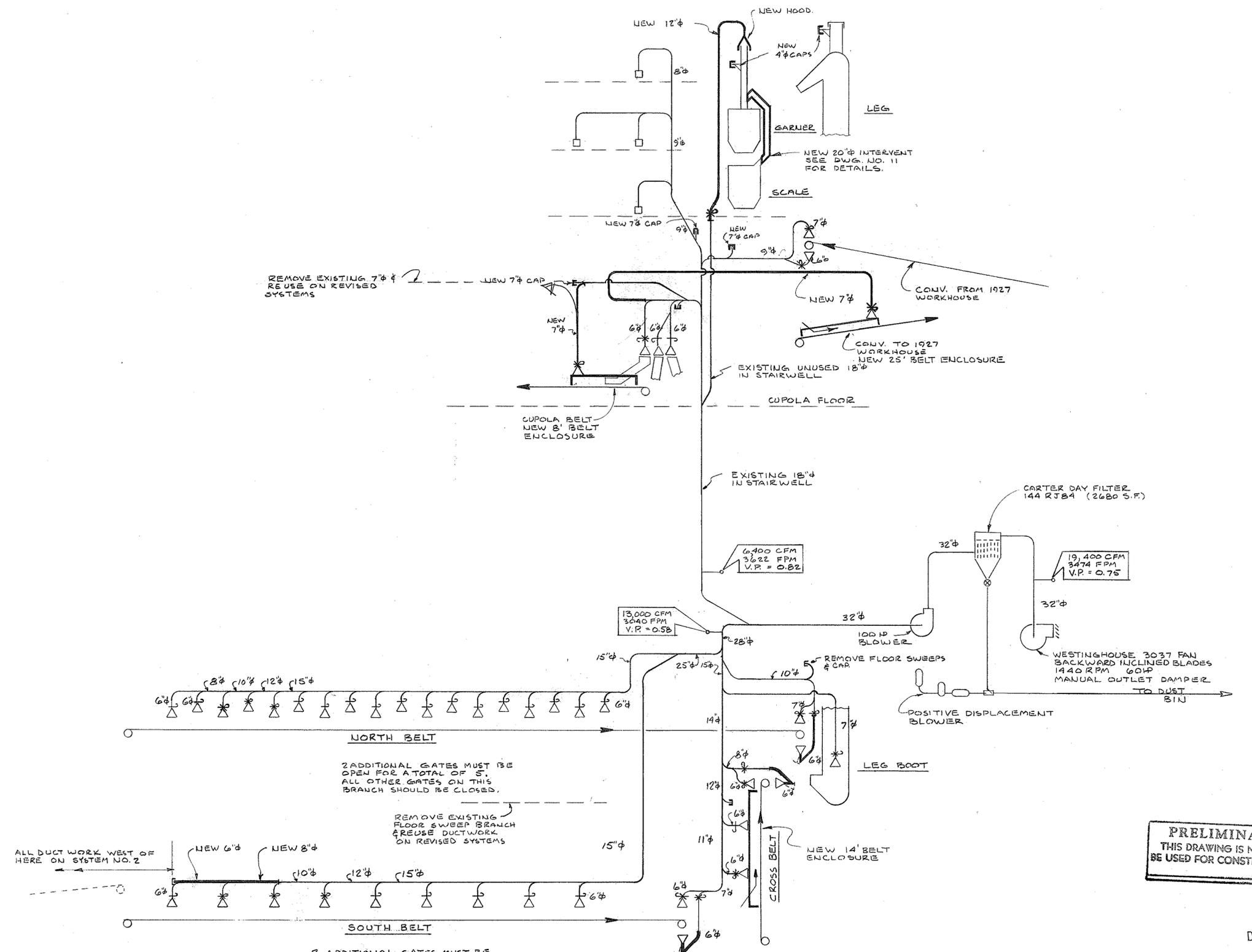
TEST DATA Sept 20, 1978

TEST HOLE	V.R.	S.R.	T.P.	DUCT DIA.	FRM.	CFM
(A)	1.5"	2.0	1.35	34"	4900	39900

**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

DEC 7 1978

CONTINENTAL GRAIN CO. LONGVIEW, WASH.	JOB NO.		1415
	DRAWN	TRACED	
	JDH		
	CHECKED	DATE	
SCALE			
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101		DWG. NO. ISSUE	
		<b>MB</b> CONSULTING ENGINEERS 7	



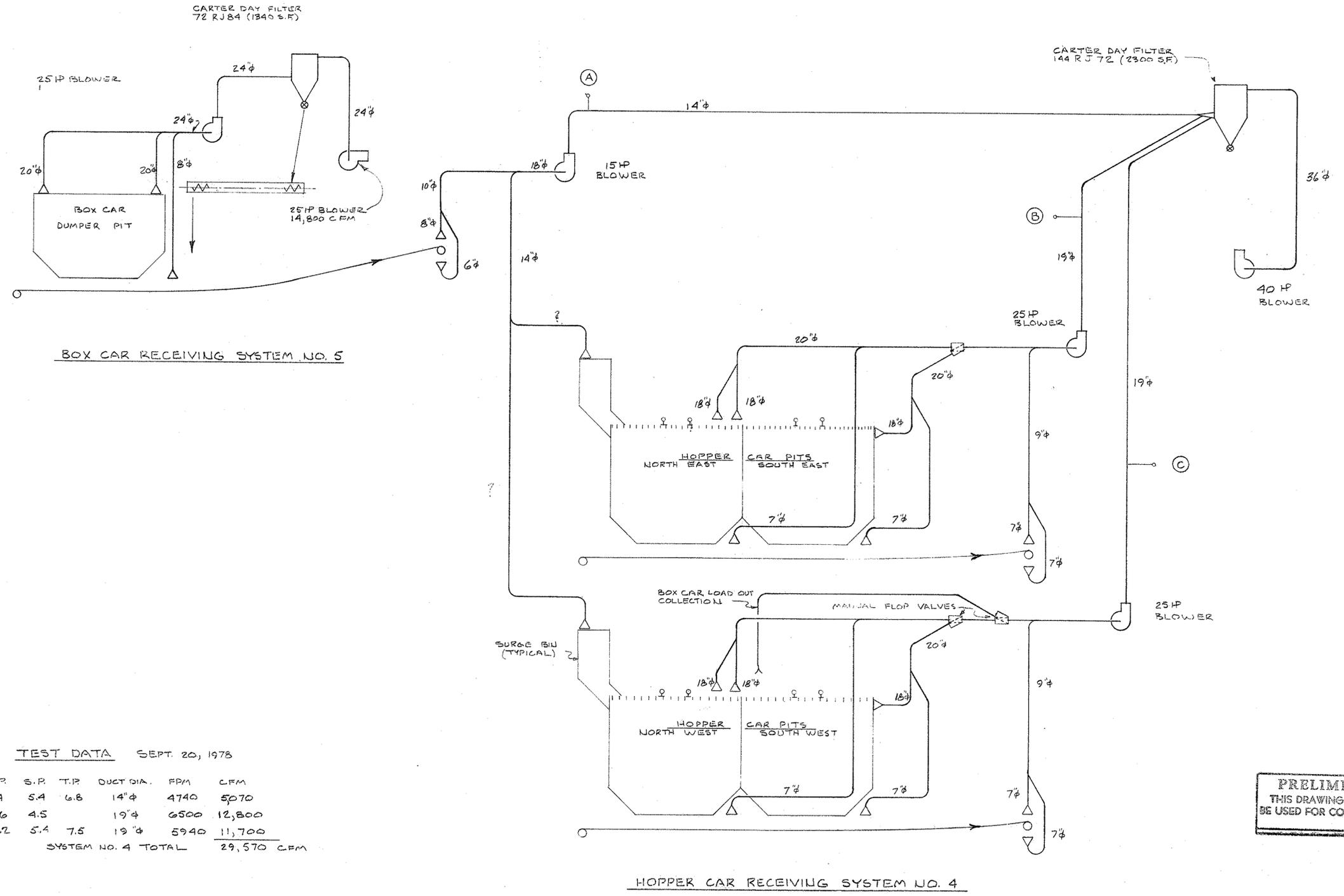
**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

DEC 7 1978

**1951 STORAGE BASEMENT**

CONTINENTAL GRAIN CO. LONGVIEW, WASH.		JOB NO. 1415	
1979 DUST SYSTEM REVISIONS		DRAWN	TRACED
SCHEMATIC DIAGRAM REVISED DUST SYSTEM NO. 6 1951 ANNEX		JDH	JDH
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101		CHECKED	DATE
			12-6-78
		SCALE	
		DWG. NO.	ISSUE
		2	





TEST DATA SEPT. 20, 1978

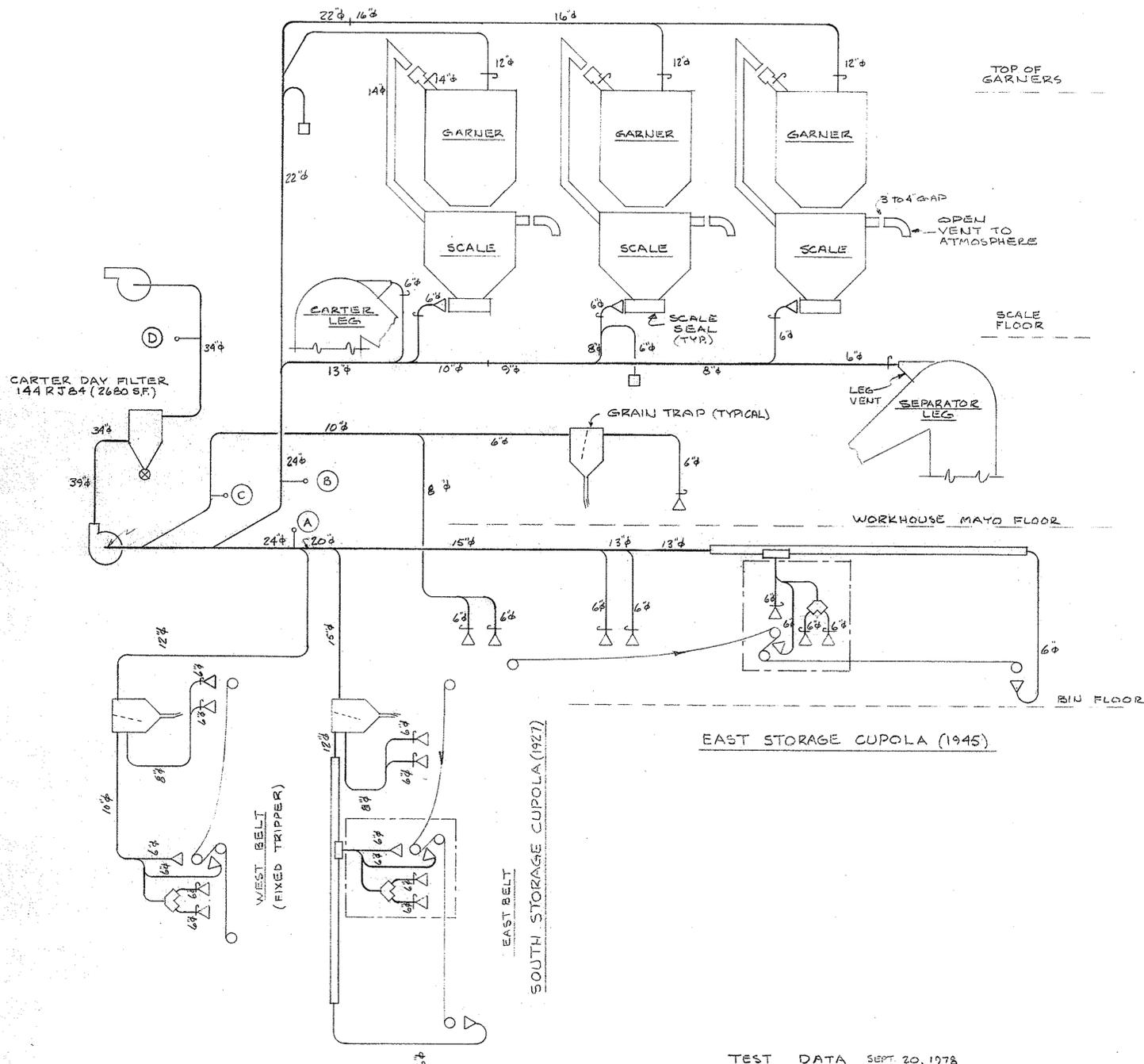
TEST HOLE	V.P.	S.P.	T.P.	DUCT DIA.	FPM	CFM
A	1.4	5.4	6.8	14"φ	4740	5070
B	2.6	4.5		19"φ	6500	12,800
C	2.2	5.4	7.5	19"φ	5940	11,700
SYSTEM NO. 4 TOTAL						29,570 CFM

29570 CFM = 12.85:1 AIR TO CLOTH RATIO  
2300 S.F.

**PRELIMINARY**  
THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION

DEC 7 1978

CONTINENTAL GRAIN CO. LONGVIEW, WASH.		JOB NO.	1415
		DRAWN	TRACED
SCHEMATIC DIAGRAM EXISTING DUST SYSTEM NO. 4 & 5 BOX CAR & HOPPER CAR PITS.		10H	
		CHECKED	DATE
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101		SCALE	
		DWG. NO.	ISSUE
		5	



**PRELIMINARY**  
THIS DRAWING IS NOT TO  
BE USED FOR CONSTRUCTION

TEST DATA SEPT 20, 1978

TEST HOLE	V.P.	S.P.	T.P.	DUCT DIA.	FPM	CFM
(A)	1.1	6.4	5.3	24"	4200	13,196
(B)	0.5	5.9	5.4	24"	2830	8892
(C)	0.9	5.6	4.7	10"	3800	2072
					TOTAL	24,160 CFM
(D)	0.9	1.15	2.1	34"	3800	23,960

DEC 7 1978  
10-5-78

CONTINENTAL GRAIN CO. LONGVIEW, WASH.  SCHEMATIC DIAGRAM EXISTING DUST SYSTEM NO. 3 1927 SCALES & CUPOLA	JOB NO. 1415
	DRAWN TRACED JDH
	CHECKED DATE
	SCALE
MARSHALL, BARR & PACQUER 915 LLOYD BUILDING SEATTLE, WASHINGTON 98101	MB CONSULTING ENGINEERS  DWG. NO. ISSUE 3