

TFHS - 1985 - 1988: school times 8:10am - 2:50

TFHS - 1988 forward: Zero hour 6:50am - Reg. classes 8:10 - 2:50

TWIN FALLS SCHOOL DISTRICT #411

2001-2002 SCHOOL CALENDAR

Sawtooth Elem:
8:40am - 3:15pm

RECEIVED

FEB 27 2002

Department of Water Resources

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Sep 2001

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Oct 2001

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Nov 2001

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Dec 2001

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Jan 2002

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30	31					

AUGUST

21 Teacher Workday
(Contract Day 192)(Optional)

22 Teacher Day
Assessment/Goals

23 Teacher Workday

24 Teacher Workday

27 First Day of School

SEPTEMBER

3 Labor Day
No School

OCTOBER

4 State Inservice
No School

5 State Inservice
No School

NOVEMBER

2 End 1st Quarter - 47 Days

Teacher Workshop Day
No School

8 Kindergarten Parent/Teacher Conf.
No School for Kindergarten

9 Parent/Teacher Conferences
Elementary/Secondary
No School

21 Dismiss 1:15 p.m.

22 Thanksgiving Day
No School

23 Thanksgiving Vacation
No School

26 School Resumes

DECEMBER

24 Christmas Vacation
No School

25 Christmas Day
No School

26 Christmas Vacation
No School

27 Christmas Vacation
No School

28 Christmas Vacation
No School

31 Christmas Vacation
No School

JANUARY

1 New Year's Day
No School

2 Christmas Vacation
No School

3 School Resumes

18 End 2nd Quarter - 45 Days
End 1st Semester - 92 Days
Dismiss 1:15 p.m.

21 Teacher Workshop Day
No School

22 Teacher Workshop Day
No School

23 Begin 2nd Semester

FEBRUARY

18 Presidents' Day
No School

MARCH

22 End 3rd Quarter - 44 Days
Dismiss 1:15 p.m.

25 Spring Break No School

26 Spring Break No School

27 Spring Break No School

28 Spring Break No School

29 Spring Break No School

APRIL

1 School Resumes

MAY

27 Memorial Day
No School

30 Last Day of School
Dismiss 1:15 p.m.

MVHS Graduation

31 End 4th Quarter - 44 Days
End 2nd Semester - 88 Days
Year - 180 Days

Teacher Workshop Day

JUNE

3 Teacher Day Assessment/Goals

4 Teacher Workday
(Contract Day 192)(Optional)

TFHS Baccalaureate/Graduation
Dates - TBA

Feb 2002

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Mar 2002

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Apr 2002

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May 2002

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Jun 2002

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Jul 2002

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30	31					

TWIN FALLS SCHOOL DISTRICT #411

2000-2001 SCHOOL CALENDAR

Aug 2000						
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20	21	22	23	24	25	26
27	28	29	30	31		

AUGUST

- 22 Teacher Workday
(Contract Day 192) (Optional)
- 23 Teacher Day
Assessment/Goals
- 24 Teacher Workday
- 25 Teacher Workday

28 First Day of School

SEPTEMBER

- 4 Labor Day
No School

OCTOBER

- 5 State Inservice
No School

- 6 State Inservice
No School

NOVEMBER

- 3 End 1st Quarter - 47 Days

Teacher Workshop Day
No School

- 9 Kindergarten Parent/Teacher
Conferences No School for
Kindergarten

- 10 Parent/Teacher Conferences
Elementary/Secondary
No School

- 22 Dismiss 1:15 p.m.

- 23 Thanksgiving Day
No School

- 24 Thanksgiving Vacation
No School

- 27 School Resumes

DECEMBER

- 22 Christmas Vacation
No School

- 25 Christmas Day
No School

- 26 Christmas Vacation
No School

- 27 Christmas Vacation
No School

- 28 Christmas Vacation
No School

- 29 Christmas Vacation
No School

JANUARY

- 1 New Year's Day
No School
- 2 Christmas Vacation
No School
- 3 School Resumes
- 19 End 2nd Quarter - 45 Days
End 1st Semester - 92 Days
Dismiss 1:15 p.m.

FEBRUARY

- 5 Teacher Workshop Day
No School
- 6 Teacher Workshop Day
No School

- 19 Presidents' Day
No School

MARCH

- 23 End 3rd Quarter - 44 Days
Dismiss 1:15 p.m.

- 26 Spring Break No School

- 27 Spring Break No School

- 28 Spring Break No School

- 29 Spring Break No School

- 30 Spring Break No School

APRIL

- 2 School Resumes

MAY

- 20 TFHS Baccalaureate

- 24 TFHS Graduation

- 28 Memorial Day
No School

- 30 MVHS Graduation

- 31 Last Day of School
Dismiss 1:15 p.m.

JUNE

- 1 End 4th Quarter - 44 Days
End 2nd Semester - 180 Days
Teacher Workshop Day

- 4 Teacher Day
Assessment/Goals

- 5 Teacher Workday
(Contract Day 192) (Optional)

Feb 2001						
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Mar 2001						
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Apr 2001						
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May 2001						
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Jun 2001						
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Jul 2001						
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Sep 2000						
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Oct 2000						
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Nov 2000						
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Dec 2000						
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24	25	26	27	28	29	30
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Jan 2001						
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20	21	22	23	24	25	26
27	28	29	30	31		

TWIN FALLS SCHOOL DISTRICT #411

1999-2000 CALENDAR

August 99						
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8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

August

- 24** Teacher Workday
(Contract Day 192)
(Optional)
- 25** Teacher Assessment Day
- 26** Teacher Workday
- 27** Teacher Workday

September 99						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

September

- 6** Labor Day
No School

October

- 7** State Inservice
No School
- 8** State Inservice
No School

October 99						
S	M	T	W	T	F	S
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November

- 5** End 1st Quarter - 47 Days
Teacher Workshop Day
No School
- 11** Kindergarten Parent/Teacher
Conferences
No School for Kindergarten
- 12** Parent/Teacher Conferences
Elementary/Secondary
No School
- 24** Dismiss 1:15 p.m.
- 25** Thanksgiving Day
No School
- 26** Thanksgiving Vacation
No School
- 29** School Resumes

November 99						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December

- 23** Christmas Vacation
No School
- 24** Christmas Vacation
No School
- 25** Christmas Day
- 27** Christmas Vacation
No School
- 28** Christmas Vacation
No School
- 29** Christmas Vacation
No School

December 99						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
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January 00						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

December

- 30** Christmas Vacation
No School
- 31** Christmas Vacation
No School

January

- 1** New Year's Day
- 3** School Resumes
- 21** End 2nd Quarter - 45 Days
1st Semester - 92 Days

February

- 18** Teacher Workshop Day
No School
- 21** Presidents' Day
No School

March

- 24** End 3rd Quarter - 44 Days
Teacher Workshop Day
No School
- 27** Spring Break
No School
- 28** Spring Break
No School
- 29** Spring Break
No School
- 30** Spring Break
No School
- 31** Spring Break
No School

April

- 3** School Resumes

May

- 28** TFHS Baccalaureate
- 29** Memorial Day
No School
TFHS Graduation
- 31** Dismiss 1:15 p.m.
Last Day of School
MVHS Graduation

June

- 1** End 4th Quarter - 43 Days
2nd Semester - 87 Days
Teacher Workshop Day
- 2** Teacher Assessment Day

February 00						
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29				

March 00						
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April 00						
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May 00						
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21	22	23	24	25	26	27
28	29	30	31			

June 00						
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July 00						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

TWIN FALLS SCHOOL DISTRICT NO. 411

1998-1999 CALENDAR

July 98						
S	M	T	W	T	F	S
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

- August**
- 25** Teacher Workday
- 26** Teacher Workday
- 27** First Day of School

- September**
- 7** Labor Day - No School

- 25** TFHS Homecoming

- October**
- 1** State Inservice - No School
- 2** State Inservice - No School

- November**
- 6** End 1st Quarter - 49 Days

- 12** Kindergarten Parent/Teacher Conferences - No School for Kindergarten
- 13** Parent/Teacher Conferences - Elementary/Secondary - No School

- 16** Teacher Workshop Day - No School

- 25** Dismiss 1:15 p.m.

- 26** Thanksgiving Day - No School

- 27** Thanksgiving Vacation - No School

- 30** School Resumes

December

- 21** Christmas Vacation - No School

- 22** Christmas Vacation - No School

- 23** Christmas Vacation - No School

- 24** Christmas Vacation - No School

- 25** Christmas Day - No School

- 28** Christmas Vacation - No School

- 29** Christmas Vacation - No School

December

- 30** Christmas Vacation - No School

- 31** Christmas Vacation - No School

January

- 1** New Year's Day - No School

- 4** School Resumes

- 18** Teacher Workshop Day - No School

- 22** End 2nd Quarter - 42 Days
1st Semester - 91 Days

February

- 12** Teacher Workshop Day - No School

- 15** Presidents' Day - No School

April

- 2** End 3rd Quarter - 49 Days

- 5** Spring Break - No School

- 6** Spring Break - No School

- 7** Spring Break - No School

- 8** Spring Break - No School

- 9** Spring Break - No School

- 12** School Resumes

- 23** Teacher Workshop Day - No School

May

- 30** TFHS Baccalaureate

- 31** Memorial Day - No School
TFHS Graduation

June

- 3** MVHS Graduation

- 4** Dismiss 1:15 p.m.
Last Day of School - End
4th Quarter - 39 Days -
2nd Semester - 88 Days

- 7** Teacher Workday

- 8** Teacher Workshop Day

- 9** Teacher Workshop Day

January 99						
S	M	T	W	T	F	S
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February 99						
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7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March 99						
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April 99						
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18	19	20	21	22	23	24
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May 99						
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16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June 99						
S	M	T	W	T	F	S
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

August 98						
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23	24	25	26	27	28	29
30	31					

September 98						
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13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

October 98						
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11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

November 98						
S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

December 98						
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20	21	22	23	24	25	26
27	28	29	30	31		

TWIN FALLS SCHOOL DISTRICT #411

1997 - 1998 CALENDAR

August 97						
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10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

August

- 27 Teacher Workday
- 28 Teacher Workday
- 29 Teacher Workday

September

- 1 Labor Day
- 2 First Day of School

October

- 2 State Inservice - No School
- 3 State Inservice - No School

November

- 7 End 1st Quarter - 47 Days
- 13 Kindergarten Parent/Teacher Conferences
No School For Kindergarten
- 14 Parent/Teacher Conferences - Elementary/Secondary - No School

- 26 Dismiss 1:15 p.m.

- 27 Thanksgiving Day - No School
- 28 Thanksgiving Vacation - No School

December

- 1 School Resumes
- 22 Christmas Vacation
- 23 Christmas Vacation
- 24 Christmas Vacation
- 25 Christmas Day - No School
- 26 Christmas Vacation
- 29 Christmas Vacation
- 30 Christmas Vacation
- 31 Christmas Vacation

January

- 1 New Year's Day - No School
- 2 Christmas Vacation
- 5 School Resumes
- 19 Teacher Workshop Day - No School
- 23 End 2nd Quarter - 42 Days
Total Days 1st Semester - 89 Days

February

- 16 Presidents' Day - No School
- 17 Teacher Workshop Day - No School

March

- 27 End 3rd Quarter - 44 Days
Teacher Workshop Day - No School
- 30 Spring Break - No School
- 31 Spring Break - No School

April

- 1 Spring Break - No School
- 2 Spring Break - No School
- 3 Spring Break - No School
- 6 School Resumes

May

- 1 Teacher Workshop Day - No School
- 25 Memorial Day - No School

June

- 9 Last Day of School
Dismiss 1:15 p.m.
End 4th Quarter - 46 Days
End 2nd Semester - 90 day
Total Days School Year 1997-98 - 179 Days

February 98						
S	M	T	W	T	F	S
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15	16	17	18	19	20	21
22	23	24	25	26	27	28

September 97						
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

March 98						
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29	30	31				

October 97						
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19	20	21	22	23	24	25
26	27	28	29	30	31	

April 98						
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November 97						
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May 98						
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December 97						
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June 98						
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January 98						
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July 98						
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TWIN FALLS SCHOOL DISTRICT #411

1996 - 97 CALENDAR

July 96						
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

August

28 Teacher Workday

30 Teacher Workday

September

2 Labor Day

3 First Day of School

October

3 State Inservice - No School

4 State Inservice - No School

14 Teacher Workshop Day - No School

November

8 End of 1st Quarter - 47 Days

14 Kindergarten Parent/Teacher Conferences - No School for Kindergarten

15 Parent/Teacher Conferences - Elementary/Secondary - No School

27 Dismiss 1:15 p.m.

28 Thanksgiving Vacation - No School

29 Thanksgiving Vacation - No School

December

2 School Resumes

23 Christmas Vacation

24 Christmas Vacation

25 Christmas Vacation

26 Christmas Vacation

27 Christmas Vacation

30 Christmas Vacation

31 Christmas Vacation

January

1 Christmas Vacation

2 School Resumes

20 Teacher Workshop Day - No School

24 End of 2nd Quarter - 44 Days
Total Days 1st Semester - 91 Days

February

17 Presidents' Day - No School

18 Teacher Workshop Day - No School

March

28 End 3rd Quarter - 44 Days

31 Spring Break - No School

April

1 Spring Break - No School

2 Spring Break - No School

3 Spring Break - No School

4 Spring Break - No School

7 School Resumes

May

2 Teacher Workshop Day - No School

26 Memorial Day - No School

June

6 Last Day of School - Dismiss at 1:15 p.m.

End of 4th Quarter - 44 Days

Total Days 2nd Semester - 88 Days

Total Days School Year 1996-97 - 179 Days

7 Teacher Workday

January 97						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

August 96						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

February 97						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	

September 96						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

March 97						
S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

October 96						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April 97						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

November 96						
S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

May 97						
S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

December 96						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

June 97						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

TWIN FALLS SCHOOL DISTRICT #411

1995-96 CALENDAR

July 1995	August 1995	September 1995	October 1995	November 1995	December 1995
M T W Th F 3 4 5 6 7 10 11 12 13 14 17 18 19 20 21 24 25 26 27 28 31	M T W Th F 1 2 3 4 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25 28 29 30 31	M T W Th F 1 2 3 4 5 6 7 8 11 12 13 14 15 18 19 20 21 22 25 26 27 28 29	M T W Th F 1 2 3 4 5 6 9 10 11 12 13 16 17 18 19 20 23 24 25 26 27 30 31	M T W Th F 1 2 3 6 7 8 9 10 13 14 15 16 17 20 21 22 23 24 27 28 29 30	M T W Th F 1 2 3 4 5 6 7 8 11 12 13 14 15 18 19 20 21 22 25 26 27 28 29
January 1996	February 1996	March 1996	April 1996	May 1996	June 1996
M T W Th F 1 2 3 4 5 8 9 10 11 12 15 16 17 18 19 22 23 24 25 26 29 30 31	M T W Th F 1 2 5 6 7 8 9 12 13 14 15 16 19 20 21 22 23 26 27 28 29	M T W Th F 1 2 3 4 5 6 7 8 11 12 13 14 15 18 19 20 21 22 25 26 27 28 29	M T W Th F 1 2 3 4 5 8 9 10 11 12 15 16 17 18 19 22 23 24 25 26 29 30	M T W Th F 1 2 3 6 7 8 9 10 13 14 15 16 17 20 21 22 23 24 27 28 29 30 31	M T W Th F 3 4 5 6 7 10 11 12 13 14 17 18 19 20 21 24 25 26 27 28

August 24, 25

August 28

August 31

September 4

September 22

October 5, 6

November 3

November 10

November 13

November 22

November 23, 24

November 27

December 22, 25, 26, 27, 28, 29, January 1

January 2

January 15

January 19

February 16

February 19

March 15

March 18, 19, 20, 21, 22

March 25

May 27

May 30

May 31

Faculty Inservice

First day of school

Twin Falls Fair Day - Dismiss 1:15 p.m.

Labor Day - No school

Strand Training - No school

State Inservice - No school

End of First Quarter

47 Days

Parent/Teacher Conferences for Elementary/Secondary

All Day - No School

Strand Training - No school

Dismiss 1:15 p.m.

Thanksgiving Vacation - No school

School Resumes

Christmas Vacation

School Resumes

Strand Training - No school

End of Second Quarter

45 Days

Total Days First Semester

92 Days

Strand Training - No school

President's Day - No school

End of Third Quarter

39 Days

Spring Break - No school

School Resumes

Memorial Day - No school

Last Day of School - Dismiss 1:15 p.m.

End of Fourth Quarter

48 Days

Total Days Second Semester

87 Days

Total Days School Year 1995-96

179 Days

Teacher Work Day

TWIN FALLS SCHOOL DISTRICT #411 1994-95 CALENDAR

July 1994	August 1994	September 1994	October 1994	November 1994	December 1994
M T W Th F 4 5 6 7 8 11 12 13 14 15 18 19 20 21 22 25 26 27 28 29	T W Th F 1 2 3 4 5 8 9 10 11 12 15 16 17 18 19 22 23 24 25 26 29 30 31	M T W Th F 5 6 7 8 9 12 13 14 15 16 19 20 21 22 23 26 27 28 29 30	M T W Th F 3 4 5 6 7 10 11 12 13 14 17 18 19 20 21 24 25 26 27 28 31	M T W Th F 1 2 3 4 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25 28 29 30	M T W Th F 5 6 7 8 9 12 13 14 15 16 19 20 21 22 23 26 27 28 29 30
January 1995	February 1995	March 1995	April 1995	May 1995	June 1995
M T W Th F 2 3 4 5 6 9 10 11 12 13 16 17 18 19 20 23 24 25 26 27 30 31	M T W Th F 6 7 8 9 10 13 14 15 16 17 20 21 22 23 24 27 28	M T W Th F 6 7 8 9 10 13 14 15 16 17 20 21 22 23 24 27 28 29 30 31	M T W Th F 3 4 5 6 7 10 11 12 13 14 17 18 19 20 21 24 25 26 27 28	M T W Th F 1 2 3 4 5 8 9 10 11 12 15 16 17 18 19 22 23 24 25 26 29 30 31	M T W Th F 5 6 7 8 9 12 13 14 15 16 19 20 21 22 23 26 27 28 29 30

August 25, 26

August 29

September 1

September 5

October 6, 7

October 10

November 4

November 10

November 11

November 23

November 24, 25

November 28

December 22

December 23, 26, 27, 28, 29, 30, January 2

January 3

January 16

January 20

February 17

February 20

March 24

March 27, 28, 29, 30, 31

April 3

May 29

June 1

Faculty Inservice

First Day of School

Twin Falls Fair Day - Dismiss 1:15 p.m.

Labor Day - No School

State Inservice - No School

Strand Training - No School

End of First Quarter

47 Days

Parent/Teacher Conferences for Elementary/Secondary All Day - No School

Strand Training - No School

Dismiss 1:15 p.m.

Thanksgiving Vacation - No School

School Resumes

Dismiss 1:15 p.m.

Christmas Vacation

School Resumes

Strand Training - No School

End of Second Quarter

45 Days

Total Days First Semester

92 Days

Strand Training - No School

President's Day - No School

End Third Quarter

44 Days

Spring Break - No School

School Resumes

Memorial Day - No School

Last Day of School - Dismiss at 1:15 p.m.

End of Fourth Quarter

43 Days

Total Days Second Semester

87 Days

Total Days School Year 1994-95

179 Days

Teacher Work Day - No School

June 2

TWIN FALLS SCHOOL DISTRICT #411 1993-94 CALENDAR

S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
1 2 3	1 2 3 4 5 6 7	1 2 3 4	1 2	1 2 3 4 5 6	1 2 3 4
4 5 6 7 8 9 10	8 9 10 11 12 13 14	5 6 7 8 9 10 11	3 4 5 6 7 8 9	7 8 9 10 11 12 13	5 6 7 8 9 10 11
11 12 13 14 15 16 17	15 16 17 18 19 20 21	12 13 14 15 16 17 18	10 11 12 13 14 15 16	14 15 16 17 18 19 20	12 13 14 15 16 17 18
18 19 20 21 22 23 24	22 23 24 25 26 27 28	19 20 21 22 23 24 25	17 18 19 20 21 22 23	21 22 23 24 25 26 27	19 20 21 22 23 24 25
25 26 27 28 29 30 31	29 30 31	26 27 28 29 30	24 25 26 27 28 29 30	28 29 30	26 27 28 29 30 31
31			31		
JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
1	1 2 3 4 5	1 2 3 4 5	1 2	1 2 3 4 5 6 7	1 2 3 4
2 3 4 5 6 7 8	6 7 8 9 10 11 12	6 7 8 9 10 11 12	3 4 5 6 7 8 9	8 9 10 11 12 13 14	5 6 7 8 9 10 11
9 10 11 12 13 14 15	13 14 15 16 17 18 19	13 14 15 16 17 18 19	10 11 12 13 14 15 16	15 16 17 18 19 20 21	12 13 14 15 16 17 18
16 17 18 19 20 21 22	20 21 22 23 24 25 26	20 21 22 23 24 25 26	17 18 19 20 21 22 23	22 23 24 25 26 27 28	19 20 21 22 23 24 25
23 24 25 26 27 28 29	27 28	27 28 29 30 31	24 25 26 27 28 29 30	29 30 31	26 27 28 29 30
30 31					

September 1, 2, 3,
 September 6
 September 7
 September 17
 October 6
 October 7, 8
 November 5
 November 11
 November 12
 November 24
 November 25, 26
 November 29
 December 21
 December 22, 23, 24, 27, 28, 29, 30, 31,
 January 3
 January 14
 January 28
 January 28
 January 31
 February 21
 * March 18 // change
 April 1
 April 1
 April 4, 5, 6, 7, and 8
 April 11
 May 30
 June 10
 June 10

Teacher Preparation
 Labor Day - No School
 First Day of School
~~9:00 AM~~ Inservice - All Day - No School
~~9:00 AM~~ Inservice - All Day - No School
 Faculty Inservice - No School
 End of First Quarter
 Parent/Teacher Conference - Kindergarten Only
 Parent/Teacher Conferences
 Elementary/Secondary All Day - No School
 Dismiss 1:15 p.m.
 Thanksgiving Vacation - No School
 School Resumes
 Dismiss 3:15 p.m.
 Christmas Vacation
 School Resumes
~~9:00 AM~~ Inservice - No School
 Parent/Teacher Conferences
 Elementary/Secondary - Dismiss 1:15 p.m.
 End of First Semester
 Total Days First Semester
 School Resumes - Second Semester Begins
 President's Day - No School
~~9:00 AM~~ Inservice - No School
 Parent Teacher Conferences
 Elementary/Secondary - Dismiss 1:15 p.m.
 End of Third Quarter
 Spring Break - No School
 School Resumes
 Memorial Day - No School
 Last Day of School - Dismiss 1:15 p.m.
 End of Fourth Quarter
 Total Days Second Semester
 Total Days School Year 1993-94

*No School
Early Dismiss*

42 Days

50 Days

92 Days

44 Days

44 Days

88 Days

180 Days

TWIN FALLS SCHOOL DISTRICT #411 1992-93 CALENDAR

S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
JULY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	AUGUST 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	SEPTEMBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	OCTOBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	NOVEMBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	DECEMBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
JANUARY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	FEBRUARY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	MARCH 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	APRIL 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	MAY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	JUNE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

August 25, 26

August 27

September 7

September 10

September 23

October 1, 2

October 14

October 30

November 6

November 11

November 25

November 26, 27

November 30

December 23, 24, 25, 28, 29, 30, 31, January 1

January 4

January 15

January 20

February 15

February 17

March 17

March 26

March 26

March 29, 30, 31, April 1, 2

April 5

April 14

May 12

May 31

June 2

June 2

June 3

Faculty Inservice

First Day of School

Labor Day - No School

Twin Falls Fair Day - Dismiss 1:15 p.m.

ODDM Inservice - Dismiss 12 p.m.

Faculty Inservice - No School

ODDM Inservice - Dismiss 12 p.m.

End of First Quarter

44 Days

Parent/Teacher Conferences for
Elementary/Secondary All Day - No School

ODDM Inservice - Dismiss 12 p.m.

Dismiss 1:15 p.m.

Thanksgiving Vacation - No School

School Resumes

Christmas Vacation

School Resumes

End of Second Quarter

45 Days

Total Days First Semester

89 Days

ODDM Inservice - Dismiss 12 p.m.

President's Day - No School

ODDM Inservice - Dismiss 12 p.m.

ODDM Inservice - Dismiss 12 p.m.

Parent/Teacher Conferences for
Elementary/Secondary - Dismiss 1:15 p.m.

End Third Quarter

49 Days

Spring Break - No School

School Resumes

ODDM Inservice - Dismiss 12 p.m.

ODDM Inservice - Dismiss 12 p.m.

Memorial Day - No School

Last Day of School - Dismiss at 1:15 p.m.

End of Fourth Quarter

42 Days

Total Days Second Semester

91 Days

Teacher Work Day - No School

Total Days School Year 1992-93

180 Days

TWIN FALLS SCHOOL DISTRICT #411 1991-92 CALENDAR

1991

1992

S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
AUGUST 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	SEPTEMBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	OCTOBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	NOVEMBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	DECEMBER 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
JANUARY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	FEBRUARY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	MARCH 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	APRIL 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	MAY 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
JUNE 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30				

August 28, 29, 30

September 2

September 3

September 5

October 3, 4

November 8

November 15

November 27

November 28, 29

December 2

December 23, 24, 25, 26, 27, 30, 31, January 1

January 2

January 17

February 17

March 20

March 20

March 23, 24, 25, 26, 27

March 30

May 25

June 4

June 5

June 5

Faculty Inservice

Labor Day - No School

First Day of School

Twin Falls Fair Day - Dismiss 1:15 p.m.

Faculty Inservice - No School

End of First Quarter

47 Days

Parent/Teacher Conferences for
Elementary/Secondary All Day - No School

Dismiss 2 p.m.

Thanksgiving Vacation - No School

School Resumes

Christmas Vacation

School Resumes

End of Second Quarter

40 Days

Total Days First Semester

87 Days

President's Day - No School

Parent/Teacher Conferences for
Elementary/Secondary - Dismiss 1:15 p.m.

End Third Quarter

44 Days

Spring Break - No School

School Resumes

Memorial Day - No School

Teacher Work Day - No School

Last Day of School - Dismiss at 2 p.m.

End of Fourth Quarter

49 Days

Total Days Second Semester

93 Days

Total Days School Year 1991-92

180 Days

Twin Falls, Idaho

1990-1991 CALENDAR

1990

July	August	September	October	November	December
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	2 (3) 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 (4 5) 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 (22 23) 24 25 26 27 28 29 30	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 (24 25 26 27 28 29 30 31)

1991

January	February	March	April	May	June
S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S	S M T W T F S
(1 2) 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 (18) 19 20 21 22 23 24 25 26 27 28	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 (25 26 27 28 29) 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 (27) 28 29 30 31	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

August 27,28,29

August 30

September 3

September 6 Dismiss 1:15 p.m.

October 4,5

November 2

November 8,9 Dismiss 1:15 p.m.
each dayNovember 21,22,23 On Wed. 11/21
dismiss 1:15 p.m.

November 26

December 21,24,25,26,27,28,31
January 1,2 On Friday 12/21
dismiss 3:10 p.m.

January 3

January 18

February 18

March 22 Dismiss 1:15 p.m.

March 22

March 25,26,27,28,29

April 1

May 27

June 5 Dismiss 1:15 p.m.

Faculty Inservice

FIRST DAY OF SCHOOL

Labor Day - No School

Twin Falls Fair Day

Faculty Inservice - No School

END OF FIRST QUARTER

44 days

Parent/Teacher Conferences

Thanksgiving Vacation

School Resumes

Christmas Vacation

School Resumes

END OF SECOND QUARTER

45 days

Total Days First Semester

89 days

Presidents' Day - No School

Parent/Teacher Conferences

END OF THIRD QUARTER

44 days

Spring Break - No School

School Resumes

Memorial Day - No School

Last Day of School

END OF FOURTH QUARTER

47 days

Total Days Second Semester

91 days

Total Days School Year 90-91

180 days

TWIN FALLS SCHOOL DISTRICT NO. 411
201 Main Avenue West
Twin Falls, Idaho

1989-90 Calendar

August 1989					September					October					November					December				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
	1	2	3	4					1	2	3	4	(5	6)		1	2	3						1
7	8	9	10	11	(4)	5	6	7	8	9	10	11	12	13	6	7	8	9	10	4	5	6	7	8
14	15	16	17	18	11	12	13	14	15	16	17	18	19	20	13	14	15	16	17	11	12	13	14	15
21	22	23	24	25	18	19	20	21	22	23	24	25	26	27	20	21	22	(23	24)	18	19	20	21	22
(28	29	30)	31		25	26	27	28	29	30	31				27	28	29	30		(25	26	27	28	29

January 1990					February					March					April					May				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
1)	2	3	4	5				1	2				1	2	2	3	4	5	6		1	2	3	4
8	9	10	11	12	5	6	7	8	9	5	6	7	8	9	9	10	11	12	13	7	8	9	10	11
15	16	17	18	19	12	13	14	15	16	12	13	14	15	16	16	17	18	19	20	14	15	16	17	18
22	23	24	25	26	(19)	20	21	22	23	19	20	21	22	23	23	24	25	26	27	21	22	23	24	25
29	30	31			26	27	28			(26	27	28	29	30)	30					(28)	29	30	31	

June					
M	T	W	T	F	S

August 28, 29, 30 (Mon., Tues., Wed.)

August 31 (Thursday)

September 4 (Monday) Labor Day

September 7 (Thursday) Dismiss 1:15 p.m.

October 5, 6 (Thurs., Fri.)

November 3 (Friday)

November 22 (Wednesday) Dismiss 1:15 p.m.

November 27 (Monday) 8:50 a.m.

December 22 (Friday) Dismiss 3:15 p.m.

January 2 (Tuesday) 8:50 a.m.

January 19 (Friday)

February 19 (Monday) President's Day

March 23 (Friday) Dismiss 3:15 p.m.

April 2 (Monday) 8:50 a.m.

May 28 (Monday) Memorial Day

June 2 (Saturday) Last Day of School

Faculty Inservice

First Day of School

No School

T.F. Day at the Fair

Faculty Inservice (no school)

End of First Quarter 44 days

Thanksgiving Vacation

Christmas Vacation

End of Second Quarter 47 days

Total Days First Semester 91 days

No School

End of Third Quarter 44 days

Spring Break

No School

End of Fourth Quarter 45 days

Total Days Second Semester 89 days

TOTAL DAYS OF SCHOOL YEAR 1989-90

180 days

Approved 2/14/89

TWIN FALLS SCHOOL DISTRICT NO. 411
201 Main Avenue West
Twin Falls, Idaho

1988-89 Calendar

August 1988					September					October					November					December				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
1	2	3	4	5				1	2	3	4	5	(6	7)	1	2	3	4				1	2	
8	9	10	11	12	(5)	6	7	8	9	10	11	12	13	14	7	8	9	10	11	5	6	7	8	9
15	16	17	18	19	12	13	14	15	16	17	18	19	20	21	14	15	16	17	18	12	13	14	15	16
(22	23	24)	25	26	19	20	21	22	23	24	25	26	27	28	21	22	23	(24	25)	19	20	(21	22	23
29	30	31			26	27	28	29	30	31					28	29	30			26	27	28	29	30

January 1989					February					March					April					May				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
2	3	4)	5	6			1	2	3			1	2	3	3	4	5	6	7	1	2	3	4	5
9	10	11	12	13	6	7	8	9	10	6	7	8	9	10	10	11	12	13	14	8	9	10	11	12
16	17	18	19	20	13	14	15	16	17	13	14	15	16	17	17	18	19	20	21	15	16	17	18	19
23	24	25	26	27	20	21	22	23	24	20	21	22	23	24	24	25	26	27	28	22	23	24	25	26
30	31				27	28				(27	28	29	30	31)						(29)	30	31		

June

M	T	W	T	F
---	---	---	---	---

			1	2
5	6	7	8	9

August 22, 23, 24 (Mon., Tues., Wed.)	Faculty Meetings	
August 25 (Thursday)	First Day of School	
September 5 (Monday) Labor Day	No School	
September 8 (Thursday) Dismiss 1:15 p.m.	T.F. Day at the Fair	
October 6, 7 (Thurs., Fri.) - Inservice	No School	
October 28 (Friday) Dismiss 3:15 p.m.	End of First Quarter	44 days
November 23 (Wed.) Dismiss 1:15 p.m.		
November 28 (Mon.) 8:50 a.m.	Thanksgiving Vacation	
December 20 (Tuesday) Dismiss 3:15 p.m.		
January 5 (Thursday) 8:50 a.m.	Christmas Vacation	
January 20 (Friday)	End of Second Quarter	47 days
	Total Days First Semester	91 days
March 24 (Friday) Dismiss 3:15 p.m.	Spring Break	
April 3 (Monday) 8:50 a.m.	End of Third Quarter	45 days
May 29 (Monday) Memorial Day	No School	
June 2 (Friday)	Last Day of School	
	End of Fourth Quarter	44 days
	Total Days Second Semester	89 days

TOTAL DAYS OF SCHOOL YEAR 1988-89

180 days

TWIN FALLS SCHOOL DISTRICT NO. 411

201 Main Avenue West

Twin Falls, Idaho

Approved

2/10/87

1987-88 Calendar

August 1987					September					October					November					December				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
3	4	5	6	7	1	2	3	4		(1	2)				2	3	4	5	6	1	2	3	4	
10	11	12	13	14	(7)	8	9	10	11	5	6	7	8	9	9	10	11	12	13	7	8	9	10	11
17	18	19	20	21	14	15	16	17	18	12	13	14	15	16	16	17	18	19	20	14	15	16	17	18
(24	25	26)	27	28	21	22	23	24	25	19	20	21	22	23	23	24	25	(26	27)	(21	22	23	24	25
31					28	29	30			26	27	28	29	30	30					28	29	30	31	
															19+1					14+1				

January 1988					February					March					April					May				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
				1)	1	2	3	4	5	1	2	3	4					1)		2	3	4	5	6
4	5	6	7	8	8	9	10	11	12	7	8	9	10	11	4	5	6	7	8	9	10	11	12	13
11	12	13	14	15	(15)	16	17	18	19	14	15	16	17	18	11	12	13	14	15	16	17	18	19	20
18	19	20	21	22	22	23	24	25	26	21	22	23	24	25	18	19	20	21	22	23	24	25	26	27
25	26	27	28	29	29					(28	29	30	31		25	26	27	28	29	(30)	31			
20+1					20					19					20					21+1				

August 24, 25, 26 (Mon., Tues., Wed.)

August 27 (Thursday)

September 7 (Monday) Labor Day

September 10 (Thursday) Dismiss 1:15 p.m.

October 1, 2 (Thurs., Fri.) - Inservice

October 30 (Friday) Dismiss 1:15 p.m.

November 25 (Wed.) Dismiss 1:15 p.m.

November 30 (Monday) 8:50 a.m.

December 18 (Fri.) Dismiss 3:10 p.m.

January 4 (Mon.) 8:50 a.m.

January 20 (Wed.) Dismiss 1:15 p.m.

February 15 (Monday) President's Day

March 25 (Friday) Dismiss 3:10 p.m.

April 4 (Monday) 8:50 a.m.

May 30 (Monday) Memorial Day

June 3 (Friday)

Faculty Meetings

First Day of School

No School

T.F. Day at the Fair

No School

End of First Quarter

Thanksgiving Vacation

Christmas Vacation

End of Second Quarter

Total Days First Semester

No School

Spring Break

End of Third Quarter

No School

Last Day of School

End of Fourth Quarter

Total Days Second Semester

June

M	T	W	T	F
		1	2	3
		3		

44 days

46 days

90 days

46 days

44 days

90 days

TOTAL DAYS OF SCHOOL YEAR 1987-88

180 days

APPROVED 4/9/85

TWIN FALLS SCHOOL DISTRICT NO. 411
201 Main Avenue West
Twin Falls, Idaho

1985-86 Calendar

August 1985					September					October					November					December				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
5	6	7	8	9	2	3	(4	5	6)	1	2	(3	4)					1		2	3	4	5	6
12	13	14	15	16	9	10	11	12	13	7	8	9	10	11	4	5	6	7	8	9	10	11	12	13
19	20	21	22	23	16	17	18	19	20	14	15	16	17	18	11	12	13	14	15	16	17	18	19	20
26	27	28	29	30	23	24	25	26	27	21	22	23	24	25	18	19	20	21	22	(23	24	25	26	27
					30					28	29	30	31		25	26	27	(28	29)	30	31			

January 1986					February					March					April					May				
M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F	M	T	W	T	F
		1	2	3)	3	4	5	6	7	3	4	5	6	7	1	2	3	4					1	
6	7	8	9	10	10	11	12	13	14	10	11	12	13	14	7	8	9	10	11	5	6	7	8	
13	14	15	16	17	(17)	18	19	20	21	17	18	19	20	21	14	15	16	17	18	12	13	14	15	16
20	21	22	23	24	24	25	26	27	28	(24	25	26	27	28)	21	22	23	24	25	19	20	21	22	23
27	28	29	30	31						31					28	29	30			(26)	27	28	29	30

September 4,5,6 (Wed., Thur., Fri.,)

Faculty Meetings

September 9 (Monday)

First Day of School

October 3, 4 (Thur. Fri.) - Inservice

No School

November 15 (Friday)

End of First Quarter

48 days

November 27 (Wednesday) Dismiss at 1:15 p.m.

Thanksgiving Vacation

December 2 (Monday) 9:00 a.m.

December 20 (Friday) Dismiss at 3:15 p.m.

Christmas Vacation

January 6 (Monday) 9:00 a.m. (16 days)

January 31 (Friday) Dismiss at 1:15 p.m.

End of Second Quarter

43 days

Total Days First Semester

91 days

February 17 (Monday) Presidents Day

No School

March 21 (Friday) Dismiss at 3:15 p.m.

Spring Break

March 31 (Monday) 9:00 a.m. (9 days)

April 11 (Friday) Dismiss 1:15 p.m.

End of Third Quarter

44 days

May 26 (Monday) Memorial Day

No School

June 14 (Saturday)

Last Day of School

End of Fourth Quarter

45 days

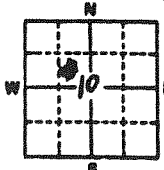
Total Days Second Semester

89 days

TOTAL DAYS OF SCHOOL YEAR 1985-86

180 days

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Twin Falls School District No. 411</u> Address <u>201 Main Avenue West</u> <u>Twin Falls, Idaho 83301</u> Owner's Permit No. <u>47-7964</u>		7. WATER LEVEL Static water level <u>0</u> feet below land surface. Flowing? ☒ Yes ☐ No G.P.M. flow <u>15</u> Artesian closed-in pressure <u>0</u> p.s.i. Controlled by: ☒ Valve ☐ Cap ☐ Plug Temperature <u>66</u> °F. Quality _____ Describe artesian or temperature zones below																																																																																																																																																																																										
2. NATURE OF WORK ☒ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☒ Pump ☐ Bailer ☐ Air ☐ Other _____																																																																																																																																																																																										
PROPOSED USE Domestic ☐ Irrigation ☐ Test ☐ Municipal Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other <u>Heating</u> (specify type)		9. LITHOLOGIC LOG <u>Pg 1 of 2</u>																																																																																																																																																																																										
METHOD DRILLED ☒ Rotary ☒ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		<table border="1"><thead><tr><th>Bore Diam.</th><th>Depth From</th><th>To</th><th>Material</th><th>Water Yes No</th></tr></thead><tbody><tr><td></td><td>0</td><td>12</td><td>Top Soil</td><td></td></tr><tr><td></td><td>12</td><td>48</td><td>Gray Lava</td><td></td></tr><tr><td></td><td>48</td><td>53</td><td>Lava Ash</td><td></td></tr><tr><td></td><td>53</td><td>130</td><td>Gray Lava</td><td></td></tr><tr><td></td><td>130</td><td>137</td><td>Red Lava</td><td></td></tr><tr><td></td><td>137</td><td>165</td><td>Brown Lava</td><td></td></tr><tr><td></td><td>165</td><td>170</td><td>Red Lava</td><td></td></tr><tr><td></td><td>170</td><td>238</td><td>Gray Lava</td><td></td></tr><tr><td></td><td>238</td><td>258</td><td>Brown Lava</td><td></td></tr><tr><td></td><td>258</td><td>263</td><td>Brown Lava</td><td></td></tr><tr><td></td><td>263</td><td>274</td><td>Brown Rhyolite</td><td></td></tr><tr><td></td><td>274</td><td>315</td><td>Gray Rhyolite</td><td></td></tr><tr><td></td><td>315</td><td>438</td><td>Gray Rhyolite</td><td></td></tr><tr><td></td><td>438</td><td>458</td><td>Softer Gr. Rhyolite More Water</td><td></td></tr><tr><td></td><td>458</td><td>471</td><td>Red & Gray Broken Rhy. - Water</td><td></td></tr><tr><td></td><td>471</td><td>518</td><td>Lots of water</td><td></td></tr><tr><td></td><td>518</td><td>528</td><td>Brown Rhyolite</td><td></td></tr><tr><td></td><td>528</td><td>531</td><td>Broken Gray Rhy. Water</td><td></td></tr><tr><td></td><td>531</td><td>557</td><td>Hard Gray Rhyolite</td><td></td></tr><tr><td></td><td>557</td><td>581</td><td>Broken Softer Red Rhyolite</td><td></td></tr><tr><td></td><td>581</td><td>587</td><td>Solid Gray Rhyolite</td><td></td></tr><tr><td></td><td>587</td><td>606</td><td>Very Hard Gray Rhyolite</td><td></td></tr><tr><td></td><td>606</td><td>612</td><td>Brown Broken Rhy. - water</td><td></td></tr><tr><td></td><td>612</td><td>625</td><td>Solid Gray Rhyolite</td><td></td></tr><tr><td></td><td>625</td><td>638</td><td>Broken Gray Rhy. More Water</td><td></td></tr><tr><td></td><td>638</td><td>698</td><td>Hard Gray Rhyolite</td><td></td></tr><tr><td></td><td>698</td><td>718</td><td>Gray Shale Some Black</td><td></td></tr><tr><td></td><td>718</td><td>797</td><td>Rock More Water</td><td></td></tr><tr><td></td><td>797</td><td>808</td><td>Black Rhy. Broken - Water</td><td></td></tr><tr><td></td><td>808</td><td>809</td><td>Broken Brown Rock</td><td></td></tr><tr><td></td><td>809</td><td>809</td><td>Brown Clay</td><td></td></tr><tr><td></td><td>809</td><td>842</td><td>Green Clay & Shale</td><td></td></tr><tr><td></td><td>842</td><td>870</td><td>Broken Black Rock</td><td></td></tr><tr><td></td><td>870</td><td>879</td><td>Soft Red Rhyolite</td><td></td></tr><tr><td></td><td>879</td><td>910</td><td>Medium Black Rock</td><td></td></tr><tr><td></td><td>910</td><td>925</td><td>Hard Black Rock</td><td></td></tr></tbody></table>		Bore Diam.	Depth From	To	Material	Water Yes No		0	12	Top Soil			12	48	Gray Lava			48	53	Lava Ash			53	130	Gray Lava			130	137	Red Lava			137	165	Brown Lava			165	170	Red Lava			170	238	Gray Lava			238	258	Brown Lava			258	263	Brown Lava			263	274	Brown Rhyolite			274	315	Gray Rhyolite			315	438	Gray Rhyolite			438	458	Softer Gr. Rhyolite More Water			458	471	Red & Gray Broken Rhy. - Water			471	518	Lots of water			518	528	Brown Rhyolite			528	531	Broken Gray Rhy. Water			531	557	Hard Gray Rhyolite			557	581	Broken Softer Red Rhyolite			581	587	Solid Gray Rhyolite			587	606	Very Hard Gray Rhyolite			606	612	Brown Broken Rhy. - water			612	625	Solid Gray Rhyolite			625	638	Broken Gray Rhy. More Water			638	698	Hard Gray Rhyolite			698	718	Gray Shale Some Black			718	797	Rock More Water			797	808	Black Rhy. Broken - Water			808	809	Broken Brown Rock			809	809	Brown Clay			809	842	Green Clay & Shale			842	870	Broken Black Rock			870	879	Soft Red Rhyolite			879	910	Medium Black Rock			910	925	Hard Black Rock	
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5. WELL CONSTRUCTION Casing schedule: ☒ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td><u>16</u> inches</td><td><u>.250</u> inches</td><td><u>1</u> feet</td><td><u>23</u> feet</td></tr><tr><td><u>.250</u> inches</td><td><u>12</u> inches</td><td><u>2</u> feet</td><td><u>900</u> feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☒ Yes ☐ No Was a packer or seal used? ☐ Yes ☐ No Perforated? ☐ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? ☐ Yes ☒ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____ feet to _____ feet Surface seal depth <u>900</u> Material used in seal: ☒ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☒ Overbore to seal depth Method of joining casing: ☐ Threaded ☒ Welded ☐ Solvent Weld ☒ Cemented between strata Describe access port <u>Valve</u>		Thickness	Diameter	From	To	<u>16</u> inches	<u>.250</u> inches	<u>1</u> feet	<u>23</u> feet	<u>.250</u> inches	<u>12</u> inches	<u>2</u> feet	<u>900</u> feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	10. (See Page 2) Work started <u>Aug. 15, 1984</u> finished <u>Sept. 26, 1984</u>																																																																																																																																																										
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6. LOCATION OF WELL Sketch map location must agree with written location.  Subdivision Name _____ Lot No. _____ Block No. _____ County <u>Twin Falls</u> <u>SE 1/4 NW 1/4 Sec. 10, T. 10 N. R. 17 W.</u>		11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were complied with at the time the rig was removed. Firm Name <u>Blaing Drilling</u> Firm No. <u>31</u> Box <u>919</u> Address <u>Twin Falls, ID</u> Date <u>Nov. 6, 1984</u> Signed by (Firm Official) <u>Donald E. Bling</u> and (Operator) <u>Lloyd H. Bling</u>																																																																																																																																																																																										

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
WELL DRILLER'S REPORTUSE TYPEWRITER OR
BALLPOINT PENState law requires that this report be filed with the Director, Department of Water Resources
within 30 days after the completion or abandonment of the well.

1. WELL OWNER Name <u>Twin Falls School District No. 411</u> Address <u>201 Main Ave. West</u> <u>Twin Falls, Idaho 83301</u> Owner's Permit No. _____		7. WATER LEVEL Static water level _____ feet below land surface. Flowing? ☐ Yes ☐ No G.P.M. flow _____ Artesian closed-in pressure _____ p.s.i. Controlled by: ☐ Valve ☐ Cap ☐ Plug Temperature _____ OF. Quality _____ Describe artesian or temperature zones below																																																																														
2. NATURE OF WORK ☐ New well ☐ Deepened ☐ Replacement ☐ Abandoned (describe abandonment procedures such as materials, plug depths, etc. in lithologic log)		8. WELL TEST DATA ☐ Pump ☐ Bailor ☐ Air ☐ Other _____ <table border="1"><thead><tr><th>Discharge G.P.M.</th><th>Pumping Level</th><th>Hours Pumped</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td></tr></tbody></table>		Discharge G.P.M.	Pumping Level	Hours Pumped																																																																										
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3. PROPOSED USE ☐ Domestic ☐ Irrigation ☐ Test ☐ Municipal ☐ Industrial ☐ Stock ☐ Waste Disposal or Injection ☐ Other _____ (specify type)		9. LITHOLOGIC LOG Page 2 <u>12</u> <table border="1"><thead><tr><th rowspan="2">Bore Diam.</th><th colspan="2">Depth</th><th rowspan="2">Material</th><th rowspan="2">Water Yield</th></tr><tr><th>From</th><th>To</th></tr></thead><tbody><tr><td> </td><td>926</td><td>932</td><td>Soft Brown Rock</td><td> </td></tr><tr><td> </td><td>932</td><td>991</td><td>Hard Black Rock</td><td> </td></tr><tr><td> </td><td>991</td><td>1055</td><td>Soft Brown Sandstone</td><td> </td></tr><tr><td> </td><td>1055</td><td>1085</td><td>Gray Decomposed Rhyolite</td><td> </td></tr><tr><td> </td><td> </td><td> </td><td>Hit 61° F Water</td><td> </td></tr><tr><td> </td><td>1085</td><td>1121</td><td>Gray Decomposed Rhyolite</td><td> </td></tr><tr><td> </td><td>1121</td><td>1246</td><td>Red Rhyolite</td><td> </td></tr><tr><td> </td><td>1246</td><td>1284</td><td>Broken Red Rhyolite 85° F</td><td> </td></tr><tr><td> </td><td>1284</td><td>1408</td><td>Solid Brown Rhyolite</td><td> </td></tr><tr><td> </td><td>1408</td><td>1416</td><td>Red Rhyolite</td><td> </td></tr><tr><td> </td><td>1416</td><td>1420</td><td>Broken Green & Pink Rhyolite</td><td> </td></tr><tr><td> </td><td> </td><td> </td><td>Some Water</td><td> </td></tr><tr><td> </td><td>1420</td><td>1505</td><td>Solid Brown Rhyolite</td><td> </td></tr><tr><td> </td><td>1505</td><td>1700</td><td>Gray Rhyolite</td><td> </td></tr></tbody></table>		Bore Diam.	Depth		Material	Water Yield	From	To		926	932	Soft Brown Rock			932	991	Hard Black Rock			991	1055	Soft Brown Sandstone			1055	1085	Gray Decomposed Rhyolite					Hit 61° F Water			1085	1121	Gray Decomposed Rhyolite			1121	1246	Red Rhyolite			1246	1284	Broken Red Rhyolite 85° F			1284	1408	Solid Brown Rhyolite			1408	1416	Red Rhyolite			1416	1420	Broken Green & Pink Rhyolite					Some Water			1420	1505	Solid Brown Rhyolite			1505	1700	Gray Rhyolite	
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4. METHOD DRILLED ☐ Rotary ☐ Air ☐ Hydraulic ☐ Reverse rotary ☐ Cable ☐ Dug ☐ Other _____		RECEIVED JAN 8 1985 RECEIVED JAN 11 1985																																																																														
5. WELL CONSTRUCTION Casing schedule: ☐ Steel ☐ Concrete ☐ Other _____ <table border="1"><thead><tr><th>Thickness</th><th>Diameter</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ inches</td><td>_____ inches</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Was casing drive shoe used? ☐ Yes ☐ No Was a packer or seal used? ☐ Yes ☐ No Perforated? ☐ Yes ☐ No How perforated? ☐ Factory ☐ Knife ☐ Torch Size of perforation _____ inches by _____ inches <table border="1"><thead><tr><th>Number</th><th>From</th><th>To</th></tr></thead><tbody><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr><tr><td>_____ perforations</td><td>_____ feet</td><td>_____ feet</td></tr></tbody></table> Well screen installed? ☐ Yes ☐ No Manufacturer's name _____ Type _____ Model No. _____ Diameter _____ Slot size _____ Set from _____ feet to _____ feet Diameter _____ Slot size _____ Set from _____ feet to _____ feet Gravel packed? ☐ Yes ☐ No ☐ Size of gravel _____ Placed from _____ feet to _____ feet Surface seal depth _____ Material used in seal: ☐ Cement grout ☐ Bentonite ☐ Puddling clay ☐ _____ Sealing procedure used: ☐ Slurry pit ☐ Temp. surface casing ☐ Overbore to seal depth Method of joining casing: ☐ Threaded ☐ Welded ☐ Solvent Weld _____ ☐ Cemented between strata Describe access port _____				Thickness	Diameter	From	To	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	_____ inches	_____ inches	_____ feet	_____ feet	Number	From	To	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet	_____ perforations	_____ feet	_____ feet																																													
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6. LOCATION OF WELL Sketch map location <u>must</u> agree with written location. <table border="1"><tr><td>N</td><td> </td><td> </td><td> </td></tr><tr><td>W</td><td> </td><td> </td><td>E</td></tr><tr><td>S</td><td> </td><td> </td><td> </td></tr></table> County <u>SE 1/4 NW 1/4 Sec. 10, T. 10 N. R. 17 W.</u> Subdivision Name _____ Lot No. _____ Block No. _____		N				W			E	S				10. Work started _____ finished <u>9/26/84</u>																																																																		
N																																																																																
W			E																																																																													
S																																																																																
11. DRILLERS CERTIFICATION I/We certify that all minimum well construction standards were compiled with at the time the rig was removed. Firm Name <u>Eising Dr.</u> Firm No. <u>31</u> Address _____ Date _____ Signed by (Firm Official) _____ and (Operator) _____		11. Department of Water Resources Twin Falls District Office																																																																														

USE ADDITIONAL SHEETS IF NECESSARY - FORWARD THE WHITE COPY TO THE DEPARTMENT

Decker's Inc.

JANITORIAL SUPPLIES

IDAHO FALLS

208-522-2551

TOLL FREE

1-800-227-2719

BOISE

208-376-7000

TOLL FREE

1-800-322-3288

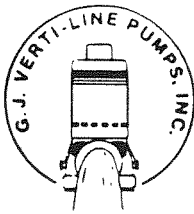


'OLD DECK'

Geo Well info.

6" pump set at 160'

250 gpm 1984



G. J. VERTI-LINE PUMPS, INC.

1970 Highland Ave. East

P.O. Box 892

Twin Falls, ID 83303

(208) 733-4278

INVOICE

6104

SOLD TO:

Date 12-22-94

School District 411
201 Main Ave. W.
Twin Falls, Id 83301

CUSTOMER CODE:

JOB NUMBER:

QTY.	NUMBER	DESCRIPTION	NET
1		Design: 155 GPM at 120 ft. head	
		Grunfos pump 3500 RPM	
		Grunfos bowl assembly 135S75-4	
		10 HP 460 volt 3500 RPM 60 Hertz Hitachi submersible motor	
		Splicing Kit	1,833.00
		Labor to pull and reinstall w/ adaption 3 - 4", banding and freight	1,750.00
		4" x 20 ft. extension	
		Wire	
		Labor to install extension	
		Idaho Use Tax	628.00
			4,211.00
<i>Naomi -</i> <i>I sent a copy of this bill to the City of Twin Falls.</i> <i>They will pay \$2,000.00 directly to the vendor.</i> <i>OK for payment \$2,211.00</i> <i>Dale</i>			

TERMS: Net 30 Days — 1 1/2% Interest charged per month on Past Due Invoices.

AURORA PUMP GS
A UNIT OF GENERAL SIGNAL
1760 Kimberly Road
P.O. Box 892
Twin Falls, Idaho 83301

WELL TEST REPORT

*Hand 10-4-84
sent copy to
Heath Engle
c/o Lew Wilson
JS*

NAME Twin Falls School District

DATE 10-1 & 2-84

LOCATION Twin Falls High School

WELL DEPTH 1700 ft. WELL SIZE 12-8

CASING

TEST PUMP SETTING 400 ft. BOWLS 8" R

ORIFICE SIZE 8" x 4"

STATIC WATER LEVEL Flowing

STARTING TIME 3:30 P.M.

TIME	PUMPING LEVEL	ORIFICE READING	G.P.M.	MINERS INCHES
4:15 Shut down 4:30 P.M.		58	425	47
10-2-84				
Ran pump from 8:30 to 9:30 A.M. Water was 94° F. Shut down to install airline				
Started pump at 1:30 P.M. with 8" std. x 6" orifice				
2:15	321 ft.	12 1/2"	540	60 94° F
2:30	321	12 1/2"	540	60 94° F
3:00	321	12 1/2"	540	60 94° F
After 3:00 P.M. reading showed capacity down and changed to 8" std. x 4" orifice				
3:15	183	30 1/2"	310	34 94° F
3:20	171	28"	295	33 92° F
4:25	171	28"	295	33 92° F
4:30	90	13"	205	23 92° F
4:50	65	12"	195	22 92° F
5:15	65	12"	195	22 92° F
5:35	65	12"	195	22 92° F
6:30	65*	12"	195	22 92° F
7:30	65*	12"	195	22 92° F

Shut down at 7:30 P.M.

* This drawdown checked with sounding line showed 60 ft. pumping level.

Well pumped clear water during entire test.

Gary Fay took a water sample at 5:15 on 10-2-84

GS AURORA PUMP
A UNIT OF GENERAL SIGNAL

GAIL J. STALEY
BRANCH MANAGER

TWIN FALLS BRANCH SALES OFFICE
1970 HIGHLAND AVE. EAST
TWIN FALLS, IDAHO 83301
PHONE: 208-733-4278

AURORA PUMPS
Twin Falls Branch

Gail Staley
Gail Staley
Branch Manager

HARRY BENOIT 1893-1966

EDWARD L. BENOIT
J. ROBERT ALEXANDER
J. WALTER SINCLAIR
ROBERT M. HARWOOD
THOMAS B. HIGH
FRITZ A. WONDERLICH

LAW OFFICES
BENOIT, ALEXANDER, SINCLAIR,
HARWOOD & HIGH
126 SECOND AVENUE NORTH
POST OFFICE BOX 366
TWIN FALLS, IDAHO 83303-0366
AREA CODE 208
TELEPHONE 733-5463

KETCHUM OFFICE
P. O. BOX 2246
KETCHUM, IDAHO 83340
(208) 726-4900

March 17, 1986

RECEIVED
MAR 18 1986
SCHOOL DISTRICT #411

Mr. Doyt Simcoe
c/o Twin Falls School District
201 Main Avenue West
Twin Falls, ID 83301

RE: CSI vs. School District

Dear Mr. Simcoe:

Enclosed you will find our latest correspondence from the Court in the above matter. We have not yet heard the outcome of the Department of Water Resources case that is pending in Judge Hurlbutt's court involving interpretation of the Geothermal Resources Act. We will keep you advised as this matter progresses.

Very truly yours,



Fritz A. Wonderlich

FAW/ka

Enclosure

IN THE DISTRICT COURT OF THE FIFTH JUDICIAL DISTRICT OF THE

STATE OF IDAHO, IN AND FOR THE COUNTY OF TWIN FALLS

COLLEGE OF SOUTHERN IDAHO,

Civil Case No. 37298

RESETTING

ORDER ~~SETTING~~ STATUS

CONFERENCE

Plaintiffs
Counterdefendant,

vs

THE IDAHO DEPARTMENT OF WATER

RESOURCES, et al,

Defendants
Crossdefendants.

Pursuant to the Idaho Rules of Civil Procedure and due to the length of time this case has remained inactive, this Court does, on its own motion,

ORDER that you are to personally appear for a Status Conference on the 21st day of April, 19 86, at 1:30 o'clock p.m. to fully report on the status of this case.

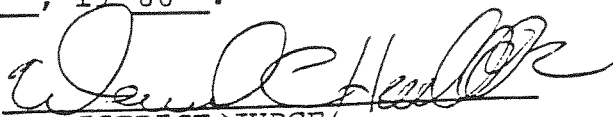
Failure to personally appear shall result in dismissal of this action or such sanctions against either party as are just and appropriate.

Said Status Conference may be held by telephone upon the stipulation of all parties.

IT IS SO ORDERED.

DATED this 13th day of March, 19 86.

COPIES:
(All counsel)


DISTRICT JUDGE

STATE OF IDAHO
DEPARTMENT OF WATER RESOURCES
APPLICATION FOR PERMIT
TO DRILL FOR GEOTHERMAL RESOURCES

Filed
3-29-85
RS

1. Name of applicant TWIN FALLS SCHOOL DISTRICT #411

Post office address 201 Main Avenue West, Twin Falls, Idaho 83301

If partnership, joint-venture, association, or unincorporated group, attach names and places of domicile of partners or persons. If corporation, attach list of corporate offices and their place of domicile, and the names and place of domicile of any person owning thirty percent (30%) or greater interest in the corporation. Also give:

a. Place of incorporation and date _____

b. Principal place of business _____

c. Location of home office _____

d. Is applicant making application as an agent for another person, corporation or entity? If so, state name, address, and interest of your principal.

e. Designation of agent residing in the State of Idaho _____

2. Location of proposed well _____

SE $\frac{1}{4}$ NW $\frac{1}{4}$, Section 10, Township 10S, Range 17E, B.M.

Well number or well name _____

3. Type of well: ☐ Exploration ☒ Production ☐ Injection

4. Well construction:

Describe specifically or attach information pertinent to the proposed casing program, and well construction including casing size, thickness, length of conductor, surface and production pipes; proposed grouting procedures, safety devices, valving, and other measures designed to conserve and protect the geothermal resource and ground water of the state.

Well depth 1700' with 23' of 16" casing and
900' of 12" casing cement grouted at top and bottom. Casings reduced at
surface to a 2½" gate valve.

5. If the proposed well is for exploration or production, explain the means by which you expect to contain and control the resource. (Use additional sheets if necessary.)

Well was completed September 26, 1984. At time of completion, well was flowing at approximately 15 gpm (according to well log). As of March 27, 1985, water was standing at 11.39' below land surface. Casing installed and sealed to prevent migration to other aquifers.

6. What is the character and composition of the material you expect to derive from the well? Include parameters such as phase, estimated temperatures, etc.

Approximately 96°F water / No undesirable characteristics

7. Is this application a part of a program for exploration or development of an already explored geothermal

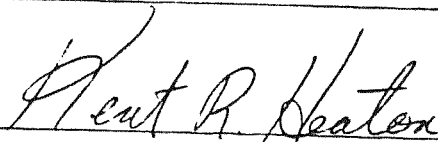
Attachment to: State of Idaho, Department of Water Resources
APPLICATION FOR PERMIT TO DRILL FOR GEOTHERMAL RESOURCES

8. Cost projections approximately \$250,000.00 - cost includes:

- (1) Drilling and casing of well
- (2) Installation of pump
- (3) Testing of well and water analysis
- (4) Retrofitting two schools to use the heat energy, and
- (5) Install system to handle discharge water after energy is removed ---

11. What does the applicant intend to do with waste products, brine or water from the well? ~~waste water will~~ be injected into Perrine Coulee, through the Twin Falls Canal System during summer months and through Twin Falls City storm drain during winter months.

12. Idaho law requires that a bond be filed with the Department indemnifying the State of Idaho, conditional upon the performance of the duties required by the Idaho Geothermal Resources Act and the proper abandonment of any well covered by permit of not less than \$10,000 per well, the actual amount set as a condition of the permit. Identify the company that will underwrite your bond and provide confirmation that they will issue such bond upon payment of the necessary fees.



Signature for application

State of Idaho)
County of Twin Falls) ss.

Kent R. Heaton being first duly sworn and on his (her) oath, deposes and says:

That he (she) is the applicant in the above matter; that he (she) has read the foregoing application and knows the contents thereof, and the facts therein contained are true as I verily believe.

Subscribed and sworn to before me this 29 day of March, 1985.

Loren O. Halmer
Notary Public for Idaho

Residence: Twin Falls

Commission expires: Life

FOR DEPARTMENT USE ONLY

Received 3/29/85 by ASH

Fee received 3/29/85 by ADM

Receipt No. 35313

ACTION OF THE DIRECTOR, DEPARTMENT OF WATER RESOURCES

This application has been reviewed in accordance with Title 42, Chapter 40, Idaho Code and is hereby
_____, subject to the following limitations and conditions.

Date

Director

Cut along this line

Cut along this line

Cut along this line

NOTICE OF INTENT TO DRILL

This portion of the permit must be returned to the Department of Water Resources at least five (5) working days prior to the commencement of drilling operations.

Name of applicant _____

Well number _____

Location of well: _____ $\frac{1}{4}$ _____ $\frac{1}{4}$, Section _____, Township _____, Range _____, B.M.

Date drilling will begin _____, 19____.

Date

Signature

FEBRUARY 11, 1985

MEMORANDUM

TO: Carl Snow, Superintendent of Schools

FROM: Doyt Simcoe

RE: GEOTHERMAL WELLS - Summary Permit Data

Permit No.	Name of Permit Holder	Priority Date	Maximum Amount	Basis for Right
36-7130	Ira Burton Perrine, Jr.	05-06-70	6.00 CFS Fish Prop.	License
47-7477	J-Four Development Co. Villa Del Rio Property	06-05-78	2.00 CFS Irr., Domes- tic Htg.	Permit
47-7478	College of Southern Idaho	06-12-78	5.00 CFS Fish/Htg.	Permit
47-7492	Kestler, Michael	12-13-78	.31 CFS Irr., Ht. bths, Swimming	Permit
47-7606	College of Southern Idaho	12-05-79	15.00 CFS Fish/Htg.	Permit
47-7714	Stone, Gary	03-11-81	2.00 CFS Swmg/Htg/Pwr	Permit
47-7745	First Church of the Nazarene	06-26-81	.70 CFS Heating	Permit
47-7758	McCollum, J.D.	09-25-81	10.00 CFS Irr/Fish/Htg	Permit
47-7813	McCollum, J.D.	04-22-82	15.00 CFS Fish/Power	Permit
36-8094	Aqua-Life, Inc. (Buhl)	06-28-82	7.00 CFS Power	Application
36-8137	Sun Ventures, Ltd. (Buhl)	01-11-83	48.00 CFS Fish/Power	Application
47-7872	Hydrotube of Idaho	04-04-83	.20 CFS Irr/Comm.Htg. Recreation	Application
47-7875	Elsing, Arnold	04-18-83	3.00 CFS Htg/Recreation	Permit
47-7929	Walker, Eugene	06-29-83	.08 CFS Irr/Htg/Cool/ Domestic	Application
47-7935	Koffer, Mark	06-29-83	.08 CFS Irr/Htg/ Domestic	Application
47-7964	Twin Falls School District #411	10-03-83	1.11 CFS Heating	Permit
47-7966	Magic Gardens	10-05-83	1.00 CFS Heating	Application
47-7965	Twin Falls School District #411	10-17-83	.49 CFS Heating	Permit



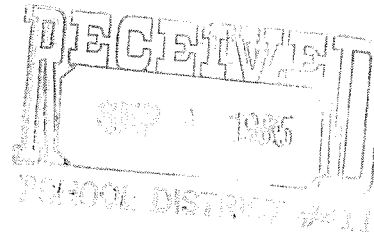
State of Idaho
DEPARTMENT OF WATER RESOURCES
STATE OFFICE, 450 W. State Street, Boise, Idaho

JOHN V. EVANS
Governor

A. KENNETH DUNN
Director

SEPTEMBER 1, 1985

Mailing address:
Statehouse
Boise, Idaho 83720
(208) 334-4440



DEAR PERMIT HOLDER:

ACCORDING TO OUR RECORDS, YOU ARE THE HOLDER OF A WATER PERMIT ON WHICH PROOF OF BENEFICIAL USE OF WATER WAS NOT SUBMITTED BEFORE JULY 1, 1985, WHICH INDICATES YOUR PROJECT IS NOT COMPLETE. THEREFORE, YOU NEED TO BE AWARE OF CHANGES IN IDAHO LAW, EFFECTIVE JULY 1, 1985, WHICH IMPACT ALL WATER PERMITS ISSUED BY THIS DEPARTMENT.

SPECIFICALLY, PURSUANT TO SECTION 42-203D, IDAHO CODE, THE DEPARTMENT MUST REVIEW ALL PERMITS FOR WHICH DEVELOPMENT OF WATER USE WAS NO COMPLETED ON OR BEFORE JULY 1, 1985, TO DETERMINE IF THEY MEET THE NEW REQUIREMENTS OF CHAPTER 2, TITLE 42, IDAHO CODE. RULES AND REGULATIONS GOVERNING THE RE-EVALUATION OF PERMITS ARE NOT YET FINALIZED. HOWEVER, IF YOU COMPLETED THE DEVELOPMENT UNDER YOUR PERMIT BEFORE JULY 1, 1985, YOU SHOULD SUBMIT A PROOF OF BENEFICIAL USE STATEMENT, STATING THAT THE PROJECT WAS COMPLETED BEFORE JULY 1, 1985 SO THAT YOUR PERMIT WILL NOT BE SUBJECT TO THE REVIEW REQUIREMENTS OF SECTION 42-203D, WHICH READS AS FOLLOWS:

42-203D. REVIEW OF PERMITS - OPPORTUNITY FOR HEARING. - (1)THE DEPARTMENT SHALL REVIEW ALL PERMITS ISSUED PRIOR TO THE EFFECTIVE DATE [JULY 1, 1985] OF THIS SECTION, EXCEPT TO THE EXTENT A PERMIT HAS BEEN PUT TO BENEFICIAL USE PRIOR TO JULY 1, 1985, TO DETERMINE WHETHER THEY COMPLY WITH THE PROVISIONS OF CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PROPOSED USE DOES NOT SATISFY THE CRITERIA OF CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL EITHER CANCEL THE PERMIT OR IMPOSE THE CONDITIONS REQUIRED TO BRING THE PERMIT INTO COMPLIANCE WITH CHAPTER 2, TITLE 42, IDAHO CODE. IF THE DEPARTMENT FINDS THAT THE PERMIT SATISFIES THE CRITERIA ESTABLISHED IN CHAPTER 2, TITLE 42, IDAHO CODE, THEN THE DEPARTMENT SHALL ENTER AN ORDER CONTINUING THE PERMIT. (2)THE DEPARTMENT SHALL PROVIDE AN OPPORTUNITY FOR HEARING IN ACCORDANCE WITH SECTION 42-1701A, IDAHO CODE, AND SECTIONS 67-5209 THROUGH 67-5215, IDAHO CODE, FOR EACH HOLDER OF A PERMIT THAT IS PROPOSED EITHER TO BE CANCELLED OR MADE SUBJECT TO NEW CONDITIONS.

YOU MAY OBTAIN PROOF OF BENEFICIAL USE FORMS FROM THE DEPARTMENT. IF YOU HAVE ANY QUESTIONS, PLEASE LET US KNOW.

SINCERELY,

L. GLEN SAXTON
CHIEF, OPERATIONS BUREAU

10/17/88

Talked w/ Leah _____ at

Idaho Dept of Water Resources

734-3578

Our two Geothermal permits good
until 1-1-89 - We do not need to
file on them for H2O adjudication
process - We do need to apply
for extension of time on permits -

Visited w/ Joann _____
She will write letter to IDWR
and ask for maximum time
extension on the two permits to
allow for future development -

Permits 47-7964

47-7965

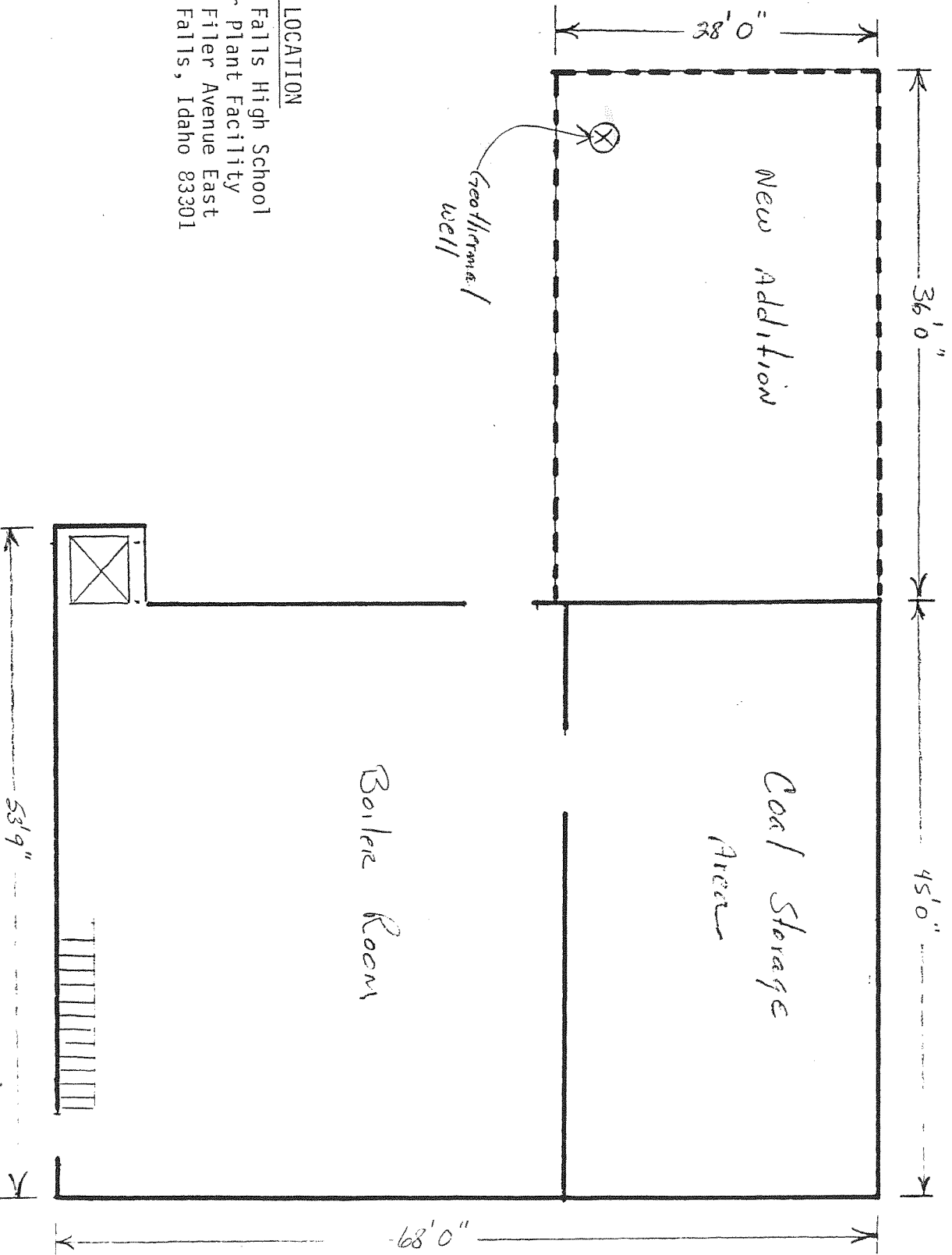
WAS

INDICATES TOTAL*

HT NUMBER	NAME AND ADDRESS	PRIORITY DATE	USE	USE PERIOD FROM TO	MAX AMOUNT MAX RATE	DIVERSION POINT	PLACE OF USE AND ACREAGE	BASIS FOR RIGHT
7929	EUGENE W. WALKER 624 PIERCE ST. TWIN FALLS REMARKS: AC. IRR. = 0.5	ID 83301	06-29-1983 IRRIGATION	04-01 10-15	.02 CFS	SENE 504 SENE(01) T105 R17E S04 T105 R17E	* 1 ACRE*	APPLICATION
			HEATING	01-01 12-31	.02 CFS		SAME AS OTHER USE	
			COOLING	01-01 12-31	.02 CFS		SAME AS OTHER USE	
			DOMESTIC	01-01 12-31	.04 CFS		SAME AS OTHER USE	
					*	----	AFR	
					*	.08*	CFS	
7935	KOFFER, MARK KOFFER, CYNTHIA G. 1068 MIRSCHING AVE. WEST TWIN FALLS REMARKS: AC. IRR. = 1/2	ID 83301	06-29-1983 IRRIGATION	01-01 12-31	.02 CFS	SENE 507 SENE(01) T105 R17E S07 T105 R17E	* 1 ACRE*	APPLICATION
			HEATING	01-01 12-31	.02 CFS		SAME AS OTHER USE	
			DOMESTIC	01-01 12-31	.04 CFS		SAME AS OTHER USE	
					*	----	AFR	
					*	.08*	CFS	
7964	TWIN FALLS SCHOOL DIST. NO. 41 201 MAIN AVE. WEST TWIN FALLS	ID 83301	10-03-1983 HEATING	01-01 12-31	1.11 CFS	SENN 510 NENN T105 R17E S10 T105 R17E		APPLICATION Permit
7966	MAGIC GARDENS 560 FILER AVE. TWIN FALLS	ID 83301	10-05-1983 HEATING	01-01 12-31	1.00 CFS	MNSE 509 MNSE T105 R17E S09 T105 R17E		APPLICATION
7965	TWIN FALLS SCHOOL DISTRICT NO. 10 201 MAIN AVE. WEST		10-17-1983 HEATING	01-01 12-31	.49 CFS	NESE 516 NESE T105 R17E S16 T105 R17E		APPLICATION Permit

TWIN FALLS SCHOOL DISTRICT NO. 411

TWIN FALLS, IDAHO



SITE LOCATION

Twin Falls High School
Power Plant Facility
1615 Filer Avenue East
Twin Falls, Idaho 83301



State of Idaho

DEPARTMENT OF WATER RESOURCES

Southern Region, 2148 4th Ave. East, Twin Falls, Idaho 83301 (208) 734-3578

CECIL D. ANDRUS
Governor

R. KEITH HIGGINSON
Director

October 31, 1988

Mr. Doyt Simcoe
Twin Falls School District 411
201 Main Ave. West
Twin Falls, Idaho 83301

11/22/88
Loren Holmes will
be sending info on
type eqpt needed, etc
Leah Street w/ bring to
office & review same
JS

Dear Mr. Simcoe:

In accordance with the agreement signed to protect and evaluate the Twin Falls geothermal reservoir, it was decided that the parties "...will submit data concerning flows, pressures, temperature, and other information as requested by IDWR at least quarterly..." In order to ensure that the data is being collected in a consistent manner, we ask that you contact our office before the equipment is ordered. We will be able to assist you in your selection and installation.

Please contact either Leah Street or Loren Holmes at 734-3578.

Thank you for your cooperation.

Sincerely,

Leah Street

Leah Street
Hydrogeologist

Bob McNamee

Don Beatrice

no time frame set -

*Flow meter permanent
Requested by CSI
Sensor / 200-350
Recording device - ??*

COLLEGE OF SOUTHERN IDAHO

315 Falls Avenue • P.O. Box 1238
Phone 208-733-9554
Twin Falls, Idaho 83303-1238

November 22, 1988

Doyt Simcoe
Twin Falls School Dist. #411
Twin Falls, Idaho 83301

Dear Doyt,

We purchased a Data Industrial Flow Meter. If
you have any questions or would like to see ours please
call me.

Sincerely,

PHYSICAL PLANT DEPARTMENT



Don Buettner,
Energy Manager

bh

$$\text{FPS} = (.321 \times \text{GPM}) / \text{PIPE SQ. IN.}$$

	SIZE 3	SIZE 3.5	SIZE 4	SIZE 6	SIZE 8	SIZE 10	SIZE 12
GPM	FPS	FPS	FPS	FPS	FPS	FPS	FPS
0	.0	.0	.0	.0	.0	.0	.0
10	.5	.3	.3	.1	.1	.0	.0
20	.9	.7	.5	.2	.1	.1	.1
30	1.4	1.0	.8	.3	.2	.1	.1
40	1.8	1.3	1.0	.5	.3	.2	.1
50	2.3	1.7	1.3	.6	.3	.2	.1
60	2.7	2.0	1.5	.7	.4	.2	.2
70	3.2	2.3	1.8	.8	.4	.3	.2
80	3.6	2.7	2.0	.9	.5	.3	.2
90	4.1	3.0	2.3	1.0	.6	.4	.3
100	4.5	3.3	2.6	1.1	.6	.4	.3
125	5.7	4.2	3.2	1.4	.8	.5	.4
150	6.8	5.0	3.8	1.7	1.0	.6	.4
175	7.9	5.8	4.5	2.0	1.1	.7	.5
200	9.1	6.7	5.1	2.3	1.3	.8	.6
225	10.2	7.5	5.7	2.6	1.4	.9	.6
250	11.3	8.3	6.4	2.8	1.6	1.0	.7
275	12.5	9.2	7.0	3.1	1.8	1.1	.8
300	13.6	10.0	7.7	3.4	1.9	1.2	.9
325	14.8	10.8	8.3	3.7	2.1	1.3	.9
350	15.9	11.7	8.9	4.0	2.2	1.4	1.0
375	17.0	12.5	9.6	4.3	2.4	1.5	1.1
400	18.2	13.3	10.2	4.5	2.6	1.6	1.1
425	19.3	14.2	10.9	4.8	2.7	1.7	1.2
450	20.4	15.0	11.5	5.1	2.9	1.8	1.3
475	21.6	15.8	12.1	5.4	3.0	1.9	1.3
500	22.7	16.7	12.8	5.7	3.2	2.0	1.4
525	23.8	17.5	13.4	6.0	3.4	2.1	1.5
550	25.0	18.3	14.0	6.2	3.5	2.2	1.6
575	26.1	19.2	14.7	6.5	3.7	2.3	1.6
600	27.2	20.0	15.3	6.8	3.8	2.5	1.7
625	28.4	20.8	16.0	7.1	4.0	2.6	1.8
650	29.5	21.7	16.6	7.4	4.1	2.7	1.8
675	30.6	22.5	17.2	7.7	4.3	2.8	1.9
700	31.8	23.3	17.9	7.9	4.5	2.9	2.0

11

Doyt - The flow sensor is accurate down to 1.0 foot per second. We had to install a bypass pipe of 3" that we will move the sensor to during the summer months. There are switches inside the monitor that will be reset to calibrate to the different sizes. It doesn't look like a big job to change.

MEMO



cannon sales inc

340 WEST 5th SOUTH
SALT LAKE CITY, UTAH 84101
Phone 328-9404 (801)

CANNON SALES, INC. (801) 328-9404
340 W. 500 S. S.L.C., UT 84101
Toll Free Utah: 1-800-368-0542
ID. WY. NV. AZ. CO.
1-800-223-6249

TO College of Southern Idaho

315 Falls Avenue

Twin Falls, Idaho 83301

DATE October 28, 1988

SUBJECT Attn: Don Buettner

P.O. BG 5361

We are shipping to you on October 28, 1988, Data Industrial Flow Meters -
2 Model 220B Sensors and 2 Model 900TA Monitors.

Shipping UPS.

*our contact at
Cannon Sales is
Mr. Jeff West in S.L.C.*

*Received
10-31-88
DLB*

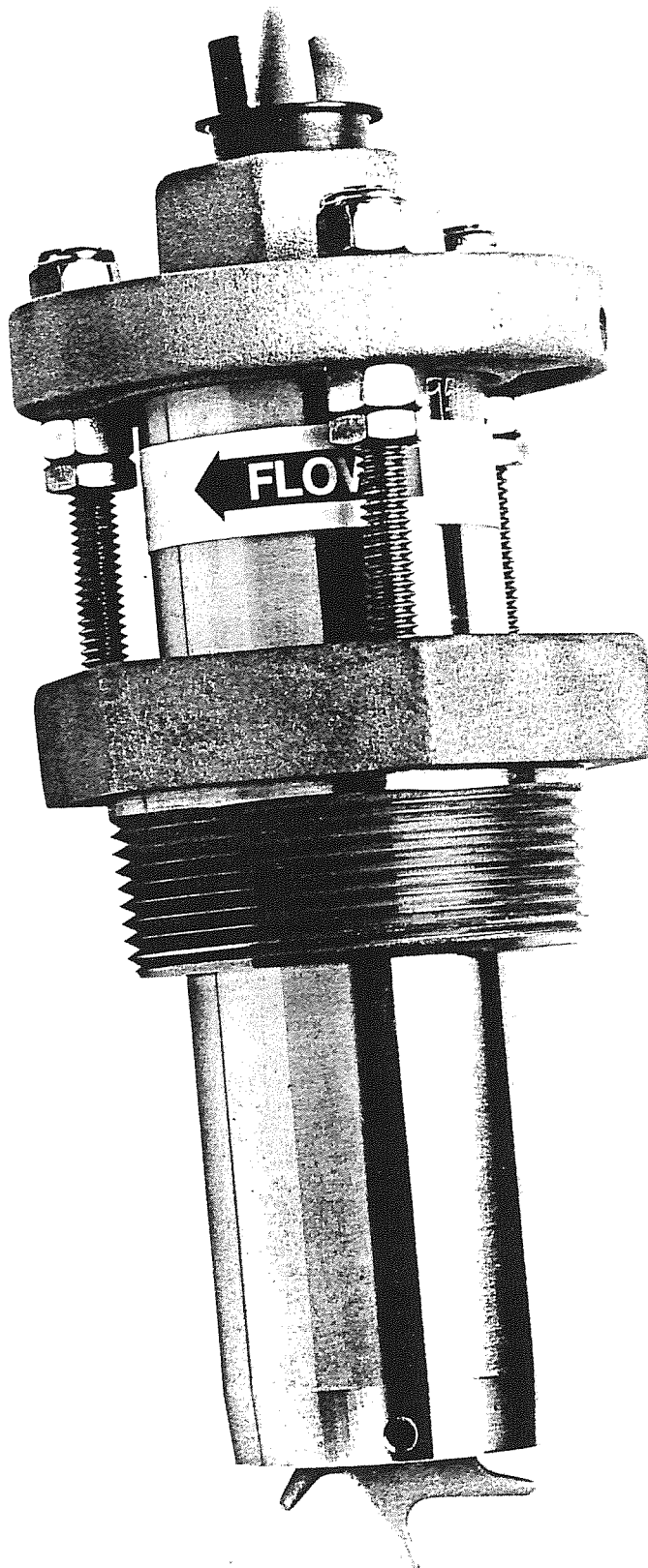
OK TO PAY

The Data Industrial flow sensor features a six-bladed design with a proprietary, non-magnetic sensing mechanism. The forward-swept impeller shape provides higher, more constant torque than four-bladed impeller designs and is less prone to be fouled by water-borne debris. The forward curved shape coupled with the absence of magnetic drag provides improved operation and repeatability at lower flow rates. This is especially true where the impeller is exposed to metallic or rust particles found in steel or iron pipes. As the liquid flow turns the impeller, a low impedance 8VDC signal is transmitted with a frequency proportional to the flow rate. This signal can travel up to 2,000' between the sensor and the display unit without the need for amplification. All sensors are supplied with 20' of Belden type 9320 (two conductor shield) cable.

Model 220B (Brass) and 220SS (316 Stainless Steel) Sensor

The Model 220B and 220SS sensors are used in most general flow measuring applications in metallic, or large PVC pipes. The sensor mounts in a 2" NPT pipe saddle or Thredolet® for installation in pipe sizes from 2½" to over 40". Positioning nuts on the three threaded retaining rods allow the sensor to be accurately positioned to a standard insertion depth of 1½ inches into the pipe. When this insertion depth is maintained, and there is at least 10 upstream and 5 downstream diameters of straight uninterrupted flow, an accuracy of $\pm 1\%$ of full scale can be obtained between flow velocities of 1 to 30 feet/second.

(Specification details are
listed on reverse side.)



Specifications: 220B, 220SS, 225B, 226B, 226SS.

Accuracy: $\pm 1\%$ of full scale.

Linearity: $\pm 1\%$.

Repeatability: $\pm .3\%$.

Rangeability: 30:1

Flow Rate: 1-30 feet/sec.

Max Pressure: 400psi maximum
(200psi for model 225B)

Max Temperature: 221°F – maximum.

Wetted Materials

Impeller: Glass reinforced nylon.

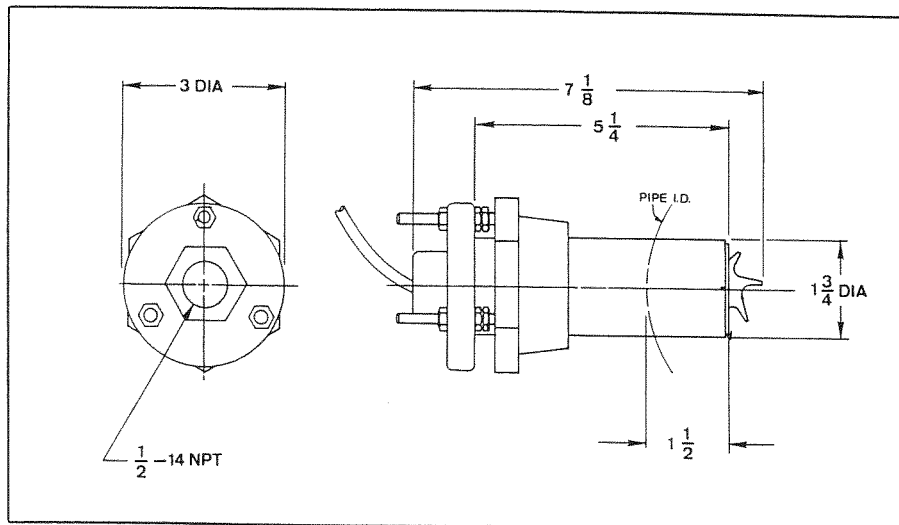
Bearing: Pennlon® (UHMWPE).

Ultrahigh molecular weight polyethylene.

Shaft: Tungsten Carbide.

Housing: Ryton.®

Glass reinforced polyphenylene sulfide (PPS).



O-rings: Ethylene propylene (EPDM).

220B, 225B and 226B Sleeve
Admiralty brass UNS C44300.

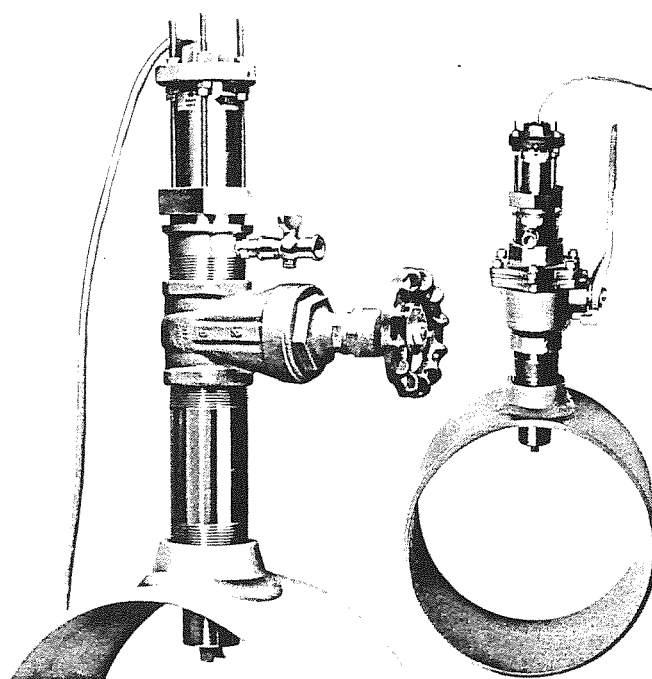
Hex adapter valve bronze UNS C83600.

220SS and 226SS Sleeve
316 Stainless Steel and Hex adapter.

Hot Tap Sensors Models 225 and 226

The Hot Tap Sensor Series features an elongated sensor, special mounting adapter, pipe nipple, and isolation valve, to allow the non-magnetic impeller sensor to be installed into a pressurized pipe while the pipe is in service. This is accomplished by first attaching a saddle or Thredolet® onto the pipe and screwing the nipple and isolation valve into the saddle or Thredolet fitting. A hole is then drilled through the pipe using a commercial tapping machine. When complete, the tapping apparatus is removed, the isolation valve is closed, and the sensor is installed.

The Hot Tap sensor is also recommended for any application where it would be difficult to shut down or drain the pipeline to remove the sensor for service. The overall length of the sensor tube is 18 inches. However, a clearance height of 50 inches should be allowed for the fully extended length of the insertion tool.



Model 225B

Brass unit with a gate-type isolation valve.

Model 226B and 226SS

Brass or stainless steel sensor and ball type isolation valve.

Model 225H

Insertion tool is provided separately to insert or remove the sensor when under pressure.



Data Industrial Corporation, 53 Portside Drive, Pocasset, MA 02559, Telex: 353619, Telephone: (617) 563-7196

Model 900T Flow Monitor. Model 950T Panel Mount Flow Monitor.

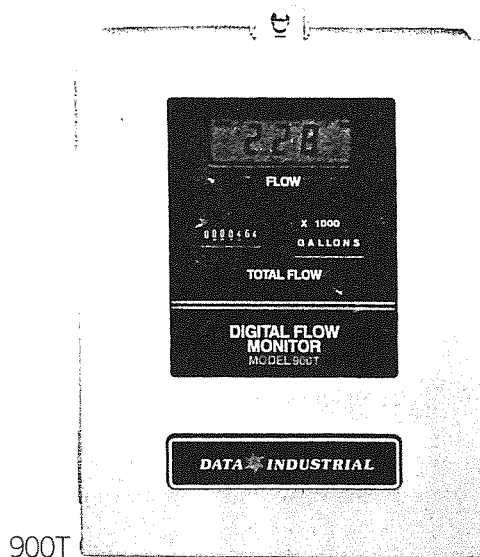
The Model 900T Flow Monitor and the Model 950T Panel Mount Flow Monitor are microprocessor based digital flow monitors designed to allow easy, accurate calibration of the display for any pipe size. This is done simply by entering the pipe inside diameter into the LCD display.

The Model 900T is housed in a NEMA-4 enclosure, for stand-alone installation. The Model 950T, with the same user-calibrated features, is designed for the OEM or other user requiring a panel mount flow monitor.

Both models are available with a totalizer and optional analog outputs and/or flow rate relays. Combined with Data Industrial's universal sensor, this flexible display allows the user to minimize inventory and purchasing activity while providing features that are tailored to individual needs. This can be especially valuable when future expansion needs are considered.

Both models contain an adaptive seven-digit electro-mechanical totalizer that automatically adjusts in increments from 10 gallons (or metric equivalent) to 100,000 gallons (or metric equivalent). Automatic increment selection is defined by the pre-selected pipe size.

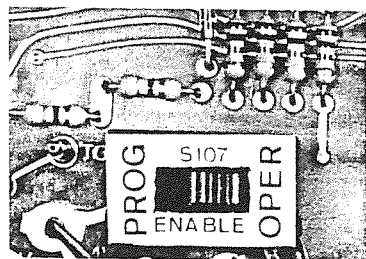
Both models provide easy-to-use, accurate performance at low cost for use in a variety of applications, including energy management and cooling water systems, municipal water, irrigation, industrial water uses, and more.



900T



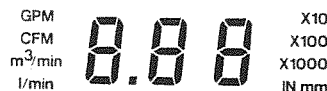
950T



Calibration switch

User Calibrated

The microprocessor-controlled display unit can be easily calibrated to the user's pipe size. The user needs only to remove an access plate, place the display unit into the calibrate mode with a selector switch, and then to insert the pipe I.D. into the LCD with UP/DOWN push buttons. Returning the display to the operate mode stores this data into nonvolatile memory and is utilized by the microprocessor to compute the flow. This calibration can be changed to meet customer needs or service requirements.



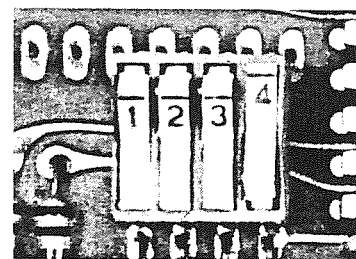
Fully illuminated LCD display

Provides Automatic Ranging

Since the Data Industrial sensor provides such broad rangeability, the display unit has been designed with a floating decimal point and a series of automatic ranging multipliers. The display can range from tenths of units to a full 999 x 1000 units for optimum resolution.

3-Digit Non-Jitter Display

The microcomputer employs a proprietary mathematical algorithm that converges rapidly and stabilizes the digital display to eliminate confusing fluctuations.



Unit of measure selector switch

User-Selected Units of Measure

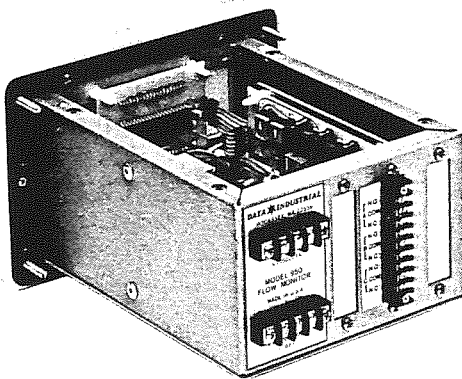
The display can be easily adjusted to provide flow rate data in either English or metric units. Hence, the display can be easily adapted for domestic or international applications. The standard units of measure available are GPM, CFM, l/min., and m³/min. These are easily selected by choosing the proper position on the circuit board selector switches defined in the accompanying photo. Either inches or millimeters is automatically selected for pipe size measurement when placed in the calibration mode.

Output Options for the Data Industrial Model 900T and 950T.

The Model 900T and 950T are available with two optional external outputs. These outputs are electronically integrated with the main processor board through push-on connectors.

Triple Flow Rate Relays; Model 900TS-950TS

Provides a series of three independently set C-Form relays that can be used to activate external apparatus such as pumps, warning indicators and control valves. Each relay is set independently by entering the desired flow rate in the LCD of the main display, in the same way the unit is calibrated for the proper pipe I.D. The unit can be precisely set for any combination of high, low or intermediate values, or for any hysteresis of a single device. An LED indicates when the relay is in the energized function. The single-pole, double-throw relay is rated at 5 Amps @ 115VAC. Can be ordered as part of the main display by requesting Model 900TS or 950TS.



Analog Output; Model 900TA-950TA

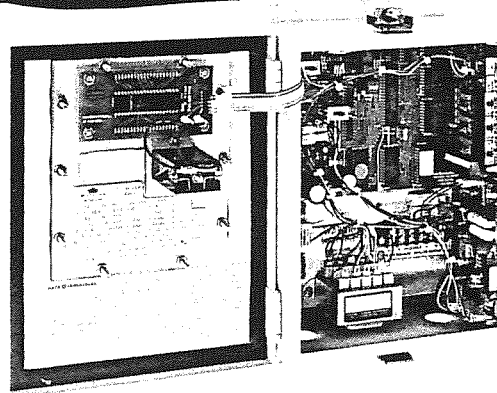
May be used to drive a chart recorder or metering pump, or to interface with a computer or telemetering system.

Four analog outputs can be selected at the job site with this output option:

- 1) 4-20 ma current output
- 2) 0-1 V output
- 3) 0-5 V output
- 4) 0-10 V output

This output is also interfaced with the microprocessor board of the display unit and can be precisely set through the visual LCD using only a multimeter. Can be ordered as part of the main display by requesting Model 900TA or 950TA.

Both options can be ordered by requesting Model 950TAS or 900TAS.



Display—3 digit LCD (1/2" characters)
Flow Rate Units—GPM, CFM, m³/min,
liters/min

Expansion Multipliers—x 10, x 100,
x 1000

Data Update Rate—2.5 sec.

Totalizer—7 digit non-resettable
electromechanical counter

Flow Calibration Range—Pipe sizes of 1"
to 40" I.D. (or the metric
equivalent) and special sizes
less than 3"

Operating Temperature—0° to 55°C

Storage Temperature—40° to + 70°C

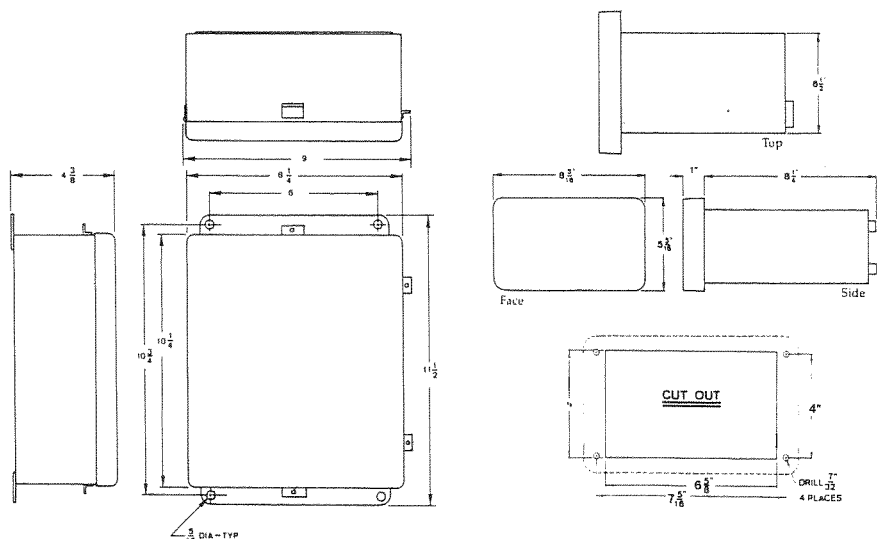
Power—110 or 220VAC, 50 or 60 Hz

Power Consumption—4 watts

900T—Case NEMA 4, steel, weatherproof

8 1/2 x 10 1/2 x 4 1/2 weight 11 lbs.

950T—Front Panel—NEMA 4 Weight 6 lbs.



Data Industrial Corporation, 53 Portside Drive, Pocasset, MA 02559, Telex: 353619, Telephone: (617) 563-7196

Honeywell

- * PROCESS CONTROL INSTRUMENTATION
- * COMBUSTION FLAME SAFEGUARD
- * HEATING, VENTILATING & AIR CONDITIONING
- * MICROSWITCH DIVISION
- * TEST INSTRUMENTS DIVISION
- * SKINNER VALVE DIVISION
- * RECORDING ACCESSORIES
- * THERMOCOUPLES & COMPONENTS

MIKE McNELIS

7030 15TH AVENUE, N.W.
SEATTLE, WA 98117
(206) 624-8787



CORPORATE HEADQUARTERS

6119-35 MARKET STREET, PHILADELPHIA, PA. 19139

(215) 472-7700 / TWX 710-670-1664

CHICAGO, IL
ALBANY, NY
ALLTOWN, PA
ATLANTA, GA
BALTIMORE, MD
BOSTON, MA
BUFFALO, NY
CHARLESTON, WV
CHERRY HILL, NJ
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HOUSTON, TX
INDIANAPOLIS, IN
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SEATTLE, WA
ST. LOUIS, MO
SYRACUSE, NY
TOLEDO, OH
WASHINGTON, DC
WILMINGTON, DE

COLLEGE OF SOUTHERN IDAHO

ATTN: PHYSICAL PLANT

PO BOX 1238

TWIN FALLS, ID 83303-1238

Handwritten note:
Handwritten signature

55 01/10/80

SLM

45

2500360

CUSTOMER ACCT. NUMBER

11/08/80

PICK DATE

328753-02

REFER TO CAPP

328753-02

QUANTITY

BACK ORDERED

U/M

EA

QUANTITY

ORDERED

THIS SHIPMENT

2

2

2

2

2

2

2

2

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2

2

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2

2

2

2

2

2

2

2

WEIGHT

DESCRIPTION

PART NUMBER

AR15BDN2020

AR15BDN2020

Handwritten note:
This is the 1 day recorder
with a 4 to 20 milliamps
input - used to record instantaneous
flows continuously

Handwritten note:
ON 2

Series AR 100 Recorder-Controller

Specification

Function

Honeywell's series AR 100 recorder-controller instruments are designed for reliable operation, accurate measurement, and precise recording of any variable that can be translated into a voltage or resistance signal in industrial processes.

Two basic models are available: single-pen (Figure 1) and two-pen (Figure 2). Both models can be equipped with independent control forms and alarm functions for the control of industrial processes and machinery. An optically activated event switch is also available on single-pen models.

Integral cam programmed set point models are available for single-pen recorders with independent control forms and alarm functions as well as auxiliary cam functions. See Specification 53-01-03-01.

The AR 100 recorder-controller is ideally suited for applications involving the recording and controlling of environmental chambers, food processing machines, furnaces and ovens, and packaging machinery.

Honeywell offers a full line of sensors and transmitters that produce a compatible range of dc voltage or current signals which can be used as input to the AR 100 recorder-controller. These devices measure:

- Temperature (thermocouple or RTD)¹
 - Pressure
 - Flow
 - Liquid Level
 - Humidity (gold grid sensor)³
- (4 to 20 mA or 1 to 5 Vdc process transmitter)²

¹Refer to Catalog No. C100 and Specification S920 for additional sensors not listed with this unit's standard thermocouples.

²Refer to Specifications S411-3 through S415-1.

³Refer to Specification 95-5158.

Description

Enclosure

AR 100 recorder-controller is enclosed in a case that is designed for surface or panel mounting.

The case is of durable foamed Noryl*

*Registered Trademark

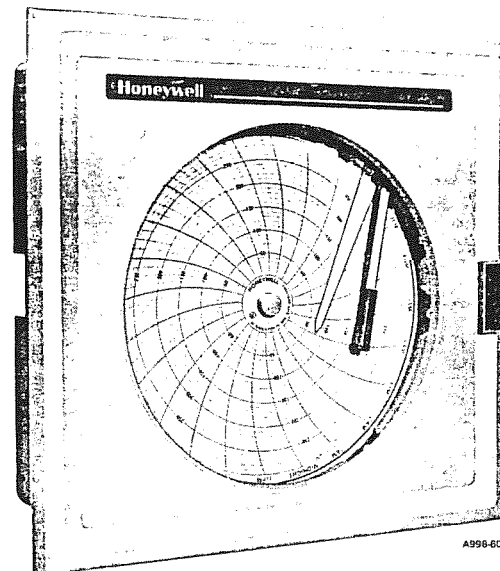


Figure 1 — Single-Pen Unit

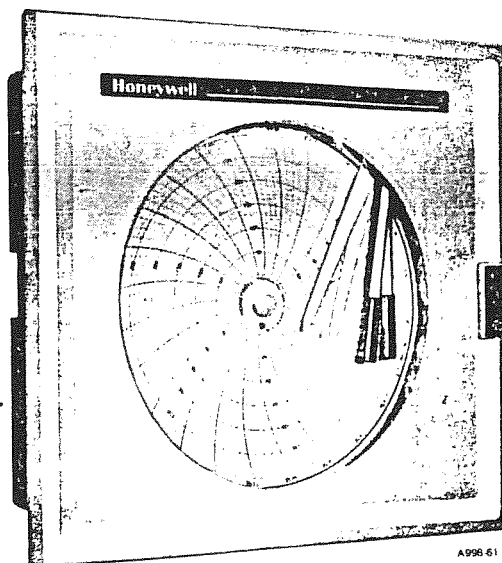


Figure 2 — Two-Pen Unit

resin construction with gasketed, glass windowed door. Knockouts for wiring are provided in bottom and sides of

case. Knockouts and hardware for mounting are provided for all cases.

Components

With the door open (Figure 3), the hinged chart plate swings out 90 degrees for convenient component access (Figure 4). The display components, as well as some parts of the instruments servo balance system, are located on the chart plate. Display components include the 10-inch diameter chart, chart drive assembly, disposable fiber-tip pen cartridge, and index setting mechanism (on controller models only). The chart plate has an access hole for each manual reset adjustment on proportional controllers, a manual reset switch for each limit controller, plus a signal light, and a time index mark for chart time alignment. Synchronous chart drive motors provide two different chart speeds. Tapered hub and locating pin on the chart drive assembly assure correct alignment when chart is renewed. Assembly has a clutch for initial time alignment, or resetting in case of power interruption. Pen arm carries disposable fiber-tip, snap-on pen cartridge.

The servo balance system consists of solid state circuitry located on the main printed circuit board mounted in the rear of the case, and a servo assembly mounted on the back of the chart plate. The servo balance system converts electrical signals from process variable sensors into precise mechanical positions. Basically, this system measures an unknown emf or potential by balancing the unknown emf against a known or calibrated emf established by the position of a contactor on a slidewire.

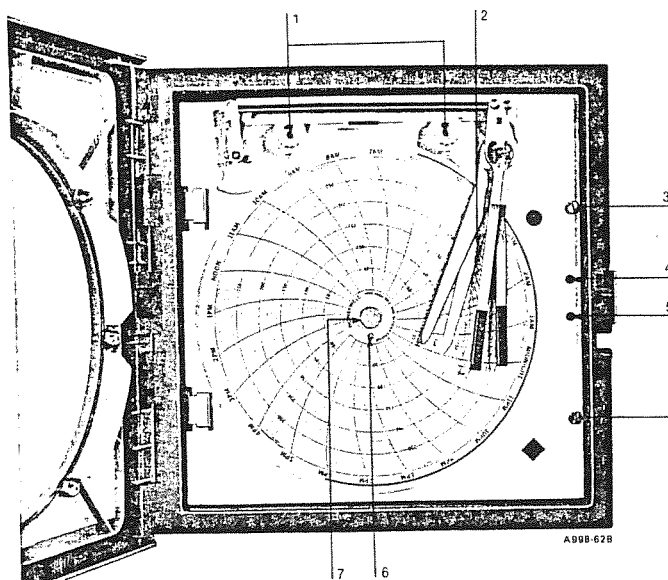
Solid state circuitry integrates power supply, measuring circuit, preamplifier and pen positioning servo functions.

Plug-in range resistors make field range changes possible.

The servo assembly includes an ac servo motor and a precision wound rebalancing slidewire; it also includes a set point wiper on models with a control form. Servo motor directly drives the wiper and the pen arm for accurate input signal tracking and reliable pen motion.

Field wiring connects to the screw terminals on the barrier connector strip at the bottom of the printed circuit board.

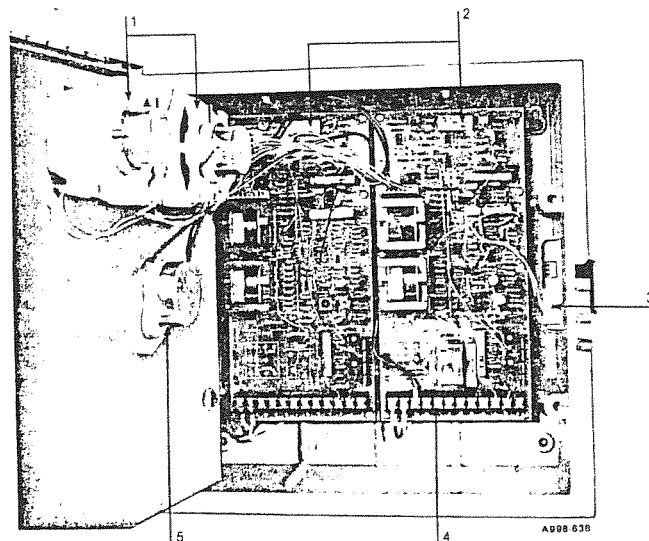
Two-pen models have two independent servo balance systems with or without independent control forms. See Control Selections for control form description. The separate ac servo motors drive the respective pen through a common pivot point and mechanical linkage. Color coded pens make traces easy to identify.



LEGEND

1. Control Index Knobs
2. Control index Pointers
3. Chart Plate Latching Screws
4. Access Holes for Manual Reset Adjustments
5. Disposable Fiber-Tip Pen Cartridges – Red and Purple
6. Chart Locating Pin
7. Tapered Hub

Figure 3 – Door Open



LEGEND

1. Servo Assemblies – No. 1 and No. 2 Pens
2. Typical main Printed Circuit Boards
3. Manual Reset Adjustment – Proportional Control
4. Screw Terminals for Field Wiring
5. Chart Drive Assembly

Figure 4 – Chart Plate Open

Control Selections

Control form output signals activate remote final control devices (valves, motors, relays, SCR's, etc.) to keep the process at the desired set point. Four types of control forms are offered:

- Two position switching (on/off, high/low)
- One mode time proportioning with manual reset
- One mode current proportioning with manual reset
- High or low limit with manual reset

Solid state control form circuitry is located on the main printed circuit board with the servo balance system circuitry, but it is an independent parallel function. This "thru control" concept assures optimal control sensitivity and speed of response, independent of the servo system response.

On/Off or High/Low control action is used in general control applications. Typical control elements include triacs, SCR's, relays, contactors, solenoid valves, and two-position (ModuTrol)

motors.

Time Proportioning control action is useful in application to heating/cooling, moisture controls, or control plus alarm functions. Typical control elements include triacs, SCR's, relays, and contactors.

Current Proportioning control action is especially useful in applications using SCR power packs, saturable core reactors, proportioning ModuTrol motors, current to pneumatic (I/P) transducers for control of pneumatically operated devices, or control plus alarm functions.

Limit control is designed for high or low limit cutoff control function. It immediately shuts down the process, when the process variable reaches a preset critical point. Manual resetting is required after any shutdown, safety shutdown, or power interruption as well as on initial start-up. Automatic reset on startup and after power interruption is available as an optional kit.

A self-checking circuit cycles sixty times a second and shuts down the pro-

cess on most major component failures. A SPDT electromechanical relay is used for output switching action, and a red signal light, visible through the chart, indicates when the relay is de-energized. The manual reset switch is accessible with the case door open. Remote reset is available as an optional feature.

Limit controllers are ideally suited for applications requiring a preselected alarm or control override.

- **High Limit**
Relay energized and red light off, when process variable is below set point; and de-energized and on, when above set point. Upscale thermocouple burnout is standard.
- **Low Limit***
Relay energized and red light off, when process variable is above set point; and de-energized and on when below set point. Upscale thermocouple burnout can be converted to downscale.

*Requires change of plug-in jumpers on the printed circuit board.

Specifications

Operating Conditions

	Reference Conditions	Rated Conditions	Extreme Conditions	Transportation and Storage
Ambient Temperature Range	67 to 77°F 19 to 25°C	40 to 120°F 4.5 to 49°C	30 to 140°F -1 to 60°C	-40 to 151°F -40 to 66°C
Relative Humidity (% RH)	10 to 55	5 to 90*	5 to 95*	5 to 98
Vibration				
Frequency (cps)	0	0.05 to 60	0.05 to 200	
Acceleration (g)	0	0.2	0.5	
Mechanical Shock				
Acceleration (g)	0	0.5	30	
Duration (ms)	0	30	30	
Mounting Position from Vertical				
Tilted Forward	5°	30°	45°	any
Tilted Backward	5°	30°	90°	any
Tilted to Side (±)	5°	10°	20°	any
Power Requirements				
Vac @:				
50 Hz		210 to 245	196 to 253	
60 Hz		110 to 125	107 to 127	

*Absolute humidity limit of 400 grains H₂O/lb dry air.

Performance

Recorder:

Accuracy	±1.0 percent of span
Reproducibility $\frac{1}{2}$	0.5 percent of span
Deadband	0.5 percent of span maximum
Span Step Response Time	10 seconds maximum; 9 seconds minimum (60 Hz)

Specifications (continued)

Inputs:

Thermocouple	<i>Types:</i> E, J, K, R, S, and T. <i>Spans:</i> 8.5 mV minimum, 55 mV maximum. <i>Maximum Source Resistance:</i> 500 ohms @ rated conditions; 2500 ohms @ extreme conditions.
Resistance Temperature Detector (RTD)	<i>Type:</i> Platinum two- or three-wire (100Ω @ 0°C; and 139.02Ω @ 100°C), or (200Ω @ 0°C; and 278.04Ω @ 100°C), or (500Ω @ 0°C; and 695.1Ω @ 100°C) <i>Span:</i> 20 ohms minimum. Leadwire resistance compensation is provided for three-wire sensors having equal resistance in the three leads. Compensation reduces leadwire resistance effect by a factor of at least seven.
Differential RTD (Wet/Dry Bulb)	<i>Type:</i> Platinum (100Ω @ 0°C; and 139.02Ω @ 100°C), or (200Ω @ 0°C; and 278.04Ω @ 100°C), or (500Ω @ 0°C; and 695.1Ω @ 100°C) Two, 2-wire sensors combined to form 3-wire unit. <i>Span:</i> 12.5 ohms minimum.
Current (mA dc)	<i>Range:</i> 4 to 20 mA. <i>Input resistance:</i> 2.5 ohms.
Voltage (Vdc, mV dc)	<i>Ranges:</i> 0 to 5 Vdc, 1 to 5 Vdc, and 0 to 10 mV dc. <i>Input Impedance:</i> 0.8 Megohms minimum. <i>Mount in wet amp. with plug-in range resistor</i>
Relative Humidity	<i>Type:</i> Composite gold grid sensor. <i>Range:</i> 5% to 98% RH (used with a 0 to 100% chart).

Controller and Alarm Outputs:

Relay (electromechanical spdt) (For On/Off, High/Low switching, Time Proportioning or limit control forms, Event switching function, or Alarm function)	<i>Control Relay Contact Ratings:</i> Resistive load: 5 A @ 120/240 Vac. Pilot duty: 50 VA @ 120/240 Vac. <i>Event Relay/Alarm Relay Contact Ratings:</i> Resistive load: 2 A @ 120/240 Vac. Pilot duty: 50 VA @ 120/240 Vac. Alarm at high condition is standard. Low alarm requires field change of plug-in jumpers on circuit board.
Current (For Current Proportioning control form)	<i>4 to 20 mA dc:</i> 0 to 600-ohm load. Reverse action (output decreases with increasing input) is standard. Direct action requires field change of plug-in jumpers on circuit board.

Other:

Interference (Stray) Rejection	<i>Normal Mode:</i> 50 or 60 Hz: 20 times span. <i>Common Mode:</i> 50 or 60 Hz: 30 volts. Dc: 42 volts. <i>Magnetic Fields:</i> 0.5 oersted.
Power Consumption	<i>Controller:</i> 12 Watts, maximum (with optional event switching function, 16 watts maximum) <i>Two Pen:</i> 20 Watts, maximum. <i>Chart Illumination Kit:</i> 2 Watts.
Thermocouple Burnout Effects	Sensor break protection drives pens upscale as standard. Field change of electrical jumper wires allows downscale response. (Factory calibrated to simulate a 10Ω thermocouple loop resistance.)

Design

Pens	Disposable fiber-tip pen cartridges on stainless steel pen arms.
Chart	10.34 inches (260 mm) diameter; 4 inches (100 mm) calibrated width.
Chart Speeds	24 hours/revolution (15 min./div.) or 7 days/revolution (2 hrs./div.)

*get
20m*

Specifications (continued)

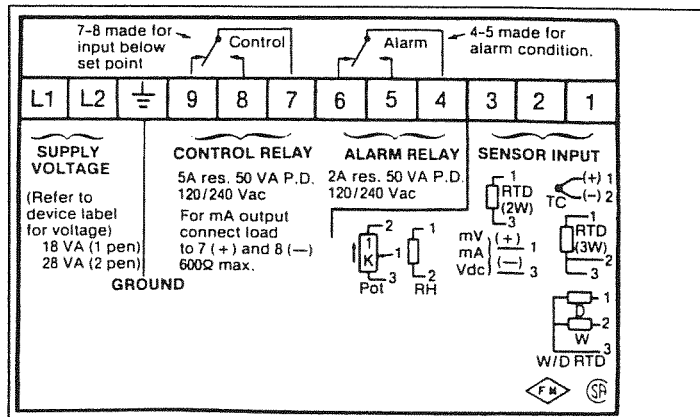
No. of Input Channels (Pens)	One or two continuous inputs. Single pen (red), or two-pen (red and purple).
Chart Plate	Opens to beyond 90 degrees for access to printed circuit board and wiring terminals; removable.
Case	Gray foamed Noryl* resin; 1/2-inch conduit knockouts for field wiring in bottom and right and left sides.
Door	Beige Noryl* resin; glass window for chart viewing; opens to 105 degrees; gasketed; latched.
Rebalancing Element (Measuring Slidewire)	Precision wirewound slidewire with precious metal contactor serves both the pen positioning servo and the electric control set point reference for the frontset control indices.
Control	Index pointers indicate control set point; beige plastic, #2 pen index marked with pen color (purple) on tip. Each pen may have one of the following single mode control forms: Two-Position (On/Off, High/Low) switching, Time Proportioning, or Current Proportioning control.

Adjustments

Non Control	Two-Position	Time Proportion	Current Proportion	Limit		
•	•	•	•	•	Span and Zero Calibration	Potentiometers accessible on printed circuit board.
•	•	•	•		Low Alarm Mode	Printed circuit board jumper wire change from standard high-value alarm mode.
•	•	•	•	•	Downscale Thermocouple Burnout	Printed circuit jumper wire change from standard upscale sensor break response.
•	•	•	•		Alarm Set Point	Potentiometer accessible on printed circuit board.
	•	•	•	•	Control Set Point	Index knob and pointer accessible on front of chart plate.
		•	•		Manual Reset	Potentiometer allows readjustment of offset within the proportional band.
		•	•		Proportional Band	2, 5, or 10 percent of span; determined by position of jumper wire on printed wiring board.
		•			Cycle Time	10 or 20 seconds; determined by position of printed wiring board jumper wire.
			•		Direct Output Action	Printed wiring board jumper wire change from standard Reverse output action.
				•	Manual Reset	Switch on chart plate resets Limit circuit after process returns to normal.

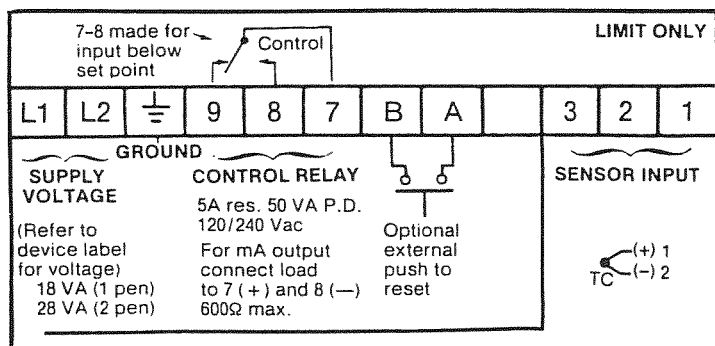
Wiring	Barrier terminal strip mounted on each controller board; #6 screw terminals. (Figure 5)
Mounting	<i>Panel:</i> Brackets supplied for clamping case to vertical panel with 12.7 inch (322.6 mm) square cutout. <i>Wall:</i> Surface mounting uses knockouts in back of case for fastener holes suitable for four #10 screws, upper knockouts keyhole-shaped for ease of installation.
Weight (maximum)	13.8 lbs. (6.27 kg).
Dimensions	Refer to Figure 6. (NOTE: Door is off-center to left of panel cutout.)
Accessories	Box of 100 charts, 2 pen cartridges per pen, panel mounting brackets, instruction book.
Approval Bodies	<i>CSA Listing:</i> all models <i>FM Approval:</i> all models <i>UL Listing:</i> all models (pending July 80)
Available Kits	Chart illumination (part #24400120-001). Panel cutout adaptor bezel plate (part #24400124-001). Plexiglas* window (part #24400125-001). Set point upper stop kit (part #24400128-001)
Standard Temperature Sensor	A thermocouple assembly may be ordered in Table IV of the model number. Refer to Figure 7 for drawing and description of standard sensor, and the following table for part numbers.

*Registered Trademark

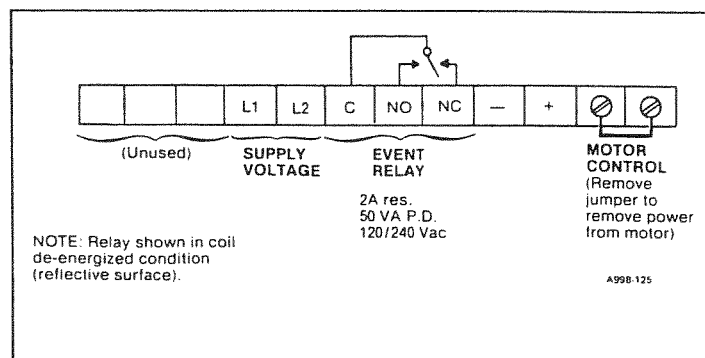


Main printed circuit board
CAUTION: NON METALLIC ENCLOSURE DOES NOT PROVIDE GROUNDING BETWEEN CONDUIT CONNECTIONS. USE GROUNDING TYPE BUSHINGS AND JUMPER WIRES TO MAINTAIN RACEWAY GROUND CONTINUITY.

NOTE: All relays shown in coil de-energized condition.



Limit control models only



Optical event switching board
NOTE: Relay shown in coil de-energized condition (reflective surface).

Figure 5 – Wiring Connection Diagrams

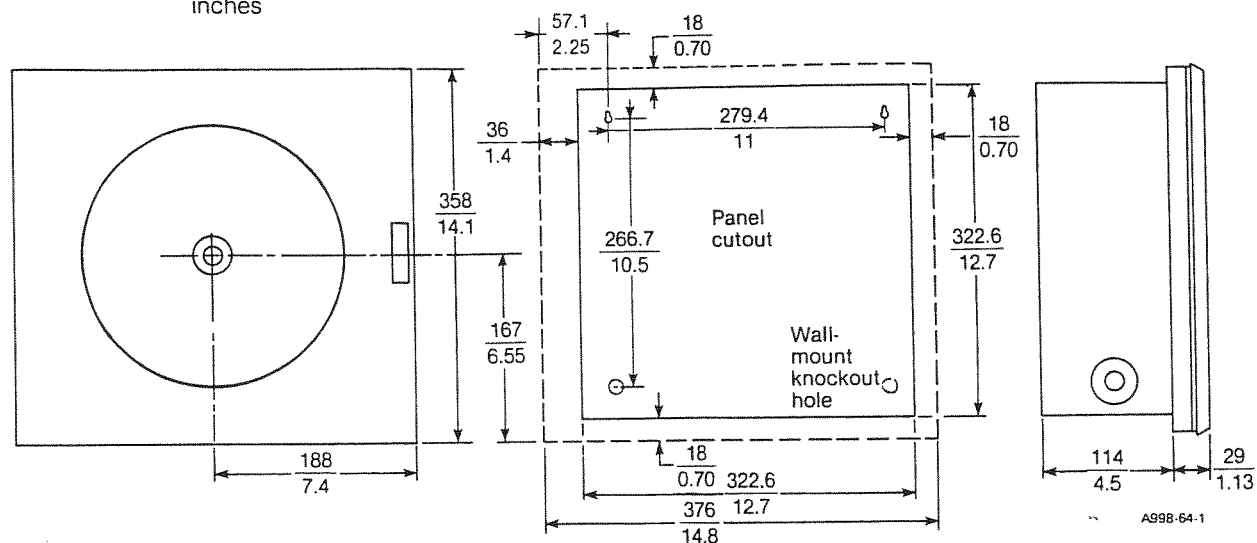
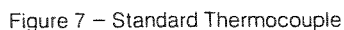


Figure 6 – Mounting Dimensions



Type	Model Number	Recommended Max. Temp.	
	Part Number	Long Term	Short Term
T	2T2M15-G12-8T-A360-1W2P6 24001694-001	260°C (500°F)	370°C (700°F)
J	2J2M15-G12-8T-A360-3W2P6 24001694-002	595°C (1100°F)	760°C (1400°F)
K	2K2M15-G12-8T-A360-5W2P16 24001694-003	870°C (1600°F)	870°C (1600°F)

Options

Control

Alarm

The alarm consists of an internally set, process alarm circuit with SPDT electromechanical relay output. High alarm configuration is standard, but the circuit can be converted to low alarm by changing plug-in jumpers on the printed circuit board. The alarm circuit is located on the main printed circuit board, but it is independent of the recording and controlling functions. The alarm option is not available with limit control selection.

Automatic Reset (Limit Controller Only)

Available as kit part number 24400131-001. Circuitry on plug-in printed circuit card resets the limit control relay automatically on initial start up or after a power failure.

Event Sequencing (Single-pen Models only; not available on Limit Controller)

An optical event switch circuit lets the user set the on/off time sequence of any desired event or device by applying non-reflective bands of varying time to the back of the chart. The optical sensor monitors the reflective back of the chart as it rotates, and energizes a relay when a non-reflecting surface passes over it.

The event switch printed circuit board is mounted to the left of the larger main printed circuit board, and has its own screw terminal connections for field wiring. The optical sensor is mounted on the back of the chart plate.

Remote Reset (Limit Controller only)

Externally located reset switch is wired to terminals on the printed circuit board.

Case

Chart Illumination

Available as kit part number 24400120-001.

Special Door Glass

Plexiglas* window available as kit part number 24400125-001.

Panel Cutout Adaptor Bezel Plate

Available as kit part number 24400124-001.

Set point Mechanical Stop (#1 Pen SP only)

Available as kit part number 24400128-001

Specifications are subject to change without notice.

Ordering Data

Refer to the Model Selection Guide, Reference 44-01-16-01, to construct a model number describing the desired instrument.

Order From

1. Local Honeywell Branch Office or
2. Honeywell
1885 Douglas Drive North
Minneapolis, Minnesota 55422
(In Canada — Honeywell Limited
Suite 301
1200 Markham Road
Scarborough, Ontario M1H 3C3).

For more information on Honeywell sensors and transducers, contact:

Honeywell Process Control Division
1100 Virginia Drive
Fort Washington, PA 19034

Honeywell

Division 1 Sec. 6
Page 6:AR100-1
Effective date
Dec. 1, 1987

ordered
9-20-88

L.A.
1 800 423 3704

Series AR 100 Recorder-Controller

Specification:
44-01-03-01

Model Selection Guide with Price Data

TRANS FORMER
W 24001861-ITEM
ALUMINUM WINDOW
2400125-001

Paper
24001661-001

Pens - 6pk
30735489-001

Instructions

- Select the desired number of pens. The arrow marks the column in which the selections are to be made.
- Make one selection from each table. A dot (•) denotes unrestricted availability. A letter (example **c**) denotes restricted availability. Restrictions follow Table VI, with squares (■) below the letter identifying the limitations.
- A complete Model Number must contain the designated quantity of digits or letters in each table.

AR 1 5 B D N 2 ~~011~~
020

List Price equals the sum of prices for all selections made.

	Selection	Availability	U.S. \$
Single Pen		↓	
Two Pen		↓	

Table I Pen #1 Control Form			
Non-Control (Recorder only)	AR1	• •	476
On/Off or Hi/Lo (Two Position)	AR2	• •	542
Time Proportioning (Single Mode, Manual Reset)	AR3	• •	566
Current Proportioning (Single Mode, Manual Reset)	AR4	• •	590
Manual Reset Limit	AR6	• •	613
Three Mode Time Proportioning	AR7	• •	700
Three Mode Current Proportioning	AR8	• •	725

Table II Pen #2 Control Form			
Single Pen Only	5	• •	0
Non-Control (Recorder Only)	1	• •	319
On/Off or Hi/Lo (Two Position)	2	• •	382
Time Proportioning (Single Mode, Manual Reset)	3	• •	407
Current Proportioning (Single Mode, Manual Reset)	4	• •	432
Manual Reset Limit	6	• •	455
Three Mode Time Proportioning	7	• •	543
Three Mode Current Proportioning	8	• •	568

Table III Chart Drive	Voltage and Frequency	Time per Revolution				
120 Vac, 60 Hertz		24 Hours	A	q	q	0
		7 Days	B	q	q	0
		8 Hours	L	q	q	26
		12 Hours	M	q	q	26
		48 Hours	N	q	q	26
230 Vac, 50 Hertz		24 Hours	C	q	q	26
		7 Days	D	q	q	26
120 Vac, 50 Hertz		24 Hours	E	q	q	26
		7 Days	F	q	q	26
100 Vac, 50 Hertz		24 Hours	G	q	q	26
		7 Days	H	q	q	26
100 Vac, 60 Hertz		24 Hours	J	q	q	26
		7 Days	K	q	q	26

Honeywell, 1885 N. Douglas Drive, Minneapolis, MN 55422

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Chart No.

7 Day 0 0 1

24001661-□□□

24 Hr.

24001660-□□□

Avail-
ability

Two Pen
Single Pen

Selection

U.S. \$

Table VI (Continued)

Actuation	Type	Range	Chart Calibration						
Relative Humidity	Q457B	#1 Pen 5% to 95% RH	0 to + 100	001	001	054	•	•	57
	Pt100Ω DIN Q457B	#1 Pen - 10° to + 60°C #2 Pen Table V, #A4	- 10 to + 60 0 to + 100	616	616	616		s	57
	Balco Q457B	#1 Pen + 50° to + 150°F #2 Pen Table V, #A4	+ 50 to + 150 0 to 100	097	097	041		•	0
	mA	#1 Pen 10.4 to 18.0 mA #2 Pen 4 to 20 mA	- 40 to 150°C 0 to 100% RH	660	660	660		s	11
	mA	#1 Pen 7.467 to 12 mA #2 Pen 4 to 20 mA	- 40 to 300°C 0 to 100% RH	661	661	661		s	11
1,000 Ohm	Pressure Transducer	Per transducer selection	0 to + 100	001	001	063	n	n	21
Volt	dc	- 1 to 0.25V	- 40° to 10°F, D.P.	N.A.	105	017	•	•	0
		0 to 1V	0 to 100	001	001	001	•	•	11
		0 to 5V	0 to 25	N.A.	095	016	•	•	11
		0 to 5V	0 to 100	001	001	005	•	•	11
		0 to 5V	0° to 200°C (K)	086	N.A.	095	•	•	11
		0 to 5V	0 to 300	N.A.	050	006	•	•	11
		0 to 5V	0 to 50	N.A.	051	007	•	•	11
		1 to 5V	0 to 100	001	001	015	•	•	11
		1 to 5V	0 to 100 Sq. Rt.	043	043	072	•	•	11
		0 to 10V	0 to 1000	001	001	008	•	•	11
		0 to 10V, Pen 1	0 to 2000kg	633	633	633		s	11
		Table 5, A1, Pen 2	0 to 90 yds/min						
		+ 5 to 0V	0 to 100	001	001	201	•	•	11
		- 1.5 to 3.5V	0 to 100, - 30 to 70 (1)	601	601	202	•	•	11
		- 0.5 to 5.0 Vdc	- 10 to + 100 Lin	149	149	002	•	•	0
		+ 2.83 to 3.94 Vdc	50 to 250 Lin	008	003	003	•	•	0
		0 to 5 Vdc	0 to 100 Lin	001	001	005	•	•	0
		+ 3.19 to 2.13 Vdc	50 to 250 Lin	008	N.A.	009	•	•	0
Millivolt	dc	#1 Pen 0 to 2.5V #2 Pen 0 to 0.5V	0 to 50 0 to 100	606		662		s	21
		0 to 10	0 to 100	001	001	010	•	•	0
		15 to 25	0 to 100	001	001	088	•	•	0
		0 to 200	0 to 100	001	001	012	•	•	11
		0 to 200	0 to 200	010	004	013	•	•	11
		0 to 500	0 to 100	001	001	014	•	•	11
		0 to 50 mV	0 to 100	001	001	203	•	•	0
		0 to 600 mV	0 to 600 Lin	052	N.A.	018	•	•	0
		0 to 350 mV	0 to 350 Lin	037	037	019	•	•	0
		Pen #1 + 25 to 0 Pen #2 0 to + 25	1 to 10 log 0 to 2 even	613	613	613		s	0
Milli-ampere	dc	0 to 10	0 to 100	001	001	021	•	•	11
		0 to 20	0 to 100	001	001	026	•	•	11
		4 to 20	0 to 5	072	074	093	•	•	0
		4 to 20	5 to 9	N.A.	093	025	•	•	0
		4 to 20	0 to 14	036	036	065	•	•	0
		4 to 20	0 to 100	001	001	020	•	•	0
		4 to 20	0 to 100 Sq. Rt.	043	043	071	•	•	0
		4 to 20	0 to 120	054	N.A.	023	•	•	0
		4 to 20	- 60 to + 215	088	N.A.	024	•	•	0
		4 to 20	0 to 350	037	037	066	•	•	0
		4 to 20	0 to 600	052	N.A.	022	•	•	0
		4 to 20	500° to 2000°F (K)	127	N.A.	027	•	•	0