AMERICAN STANDARD

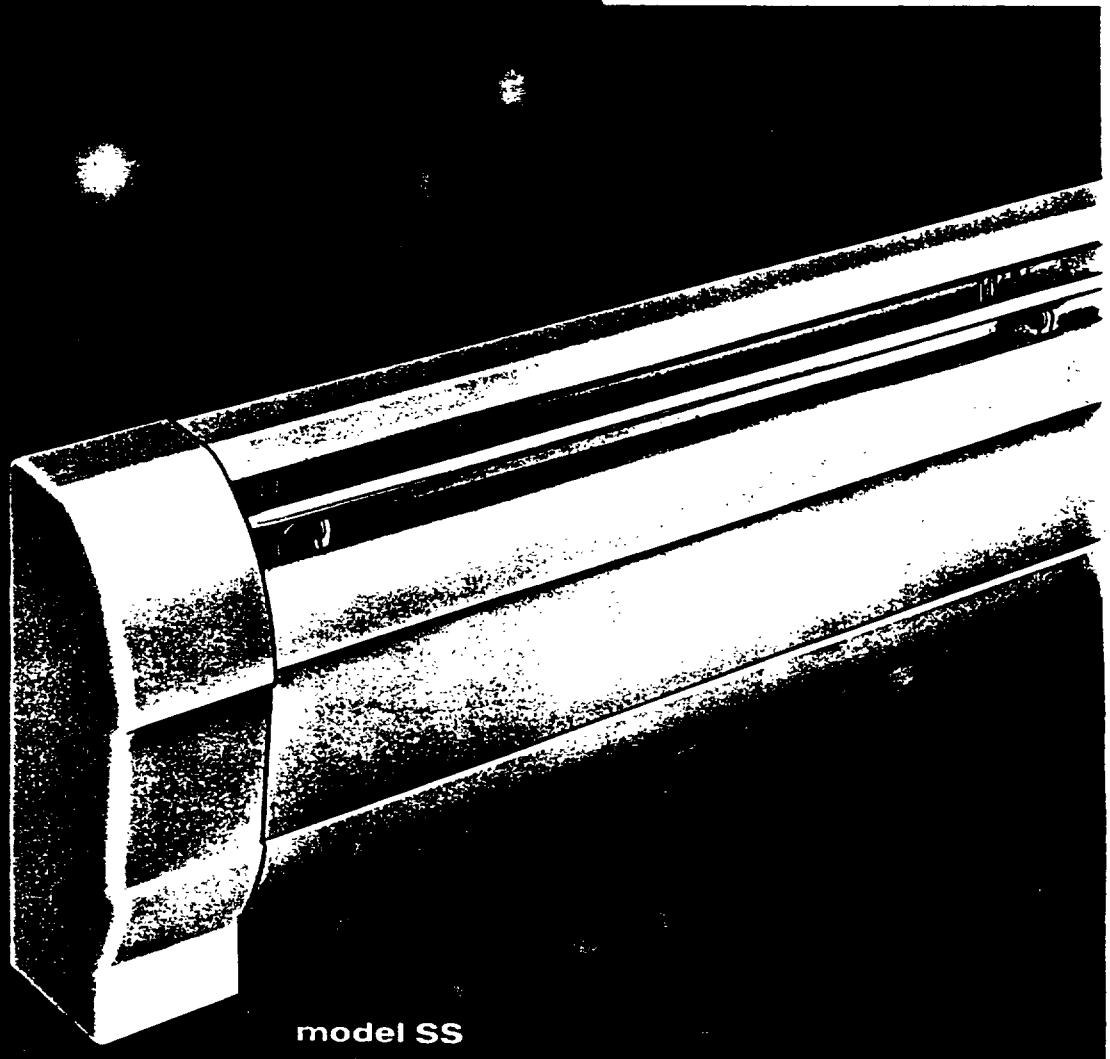
technical catalog bulletin

MODEL SS

Heatrim

non-ferrous commercial baseboa

hot water



model SS

A.I.A. File No. 30-C-1 [June, 1970]

PLAINTIFF'S EXHIBIT
ASI-299
tabbies

Model SS Heatrim commercial baseboard panels

- ***designed for hotels, motels, apartments, hospitals, schools and churches***
- ***ideal for residential "hard-to-heat" areas—hallways, bathrooms, etc.***

Styled for smart, modern appearance...designed for fast, low-cost installation...and engineered for peak hydronic performance...9 13/16-inch Model SS Heatrim panels are ideal for commercial and institutional jobs where higher heat capacity is required and/or for areas where space is limited. Compact Model SS Heatrim extends no further than 3¼ inches into the room. Installers appreciate the way steel enclosure panels and matching accessories snap right on...no tools needed ...no time wasted. Pre-applied off-white prime coat may be left as is, or painted later with any good quality alkyd base paint. For greater versatility, two high-capacity elements (¾" and 1") may be used interchangeably. Complete SS unassembled units can be ordered in 2, 3, 4, 5, 6, 7 and 8-foot lengths. Also available are enclosures only in lengths from 3-feet to 8-feet. Packaged elements are available in 8-foot lengths. Whatever the requirements, Model SS Heatrim does the job with efficiency, economy and style!

model SS Heatrim "snap-on" accessories

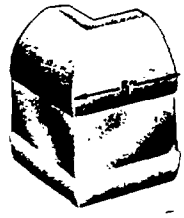
SS accessories belong to the unit and harmonize with the cover to provide a finished job that looks as custom-made as it is.

ease and economy of installation

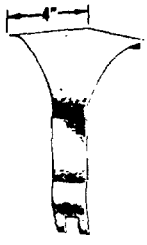
Time and labor are money and SS saves both with its speedy, easy installation. Snap-in brackets, element supporting slide cradles, and dampers are installed in three easy steps. Simplified pictorial installation instructions are included in each package.



joining piece set—
This two piece accessory neatly covers section joints and simply snaps into place.



outside corner—
The outside corner is a neatly contoured, harmonizing accessory.



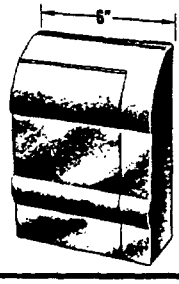
inside cover—
The inside corner fits snugly and completes the line of the installation.



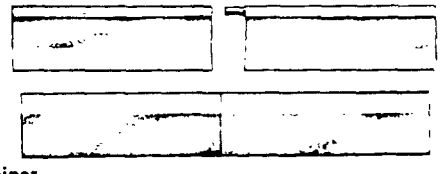
end cover (2½")—
This is the contoured end cover—to the floor style. It is also available in a short-of-floor design.



wall end piece—
This item dresses the installation at the wall for completely finished effect. (Also available in design that extends to finished floor.)



hinged valve enclosure (6")—
This end covers to the floor and provides access to valves and air vents.



damper joiner—
Joins the dampers so that they are perfectly aligned and so that two or more damper lengths may be operated as a single unit.

model SS Heatrim

approved I=B=R water ratings — **non-ferrous commercial baseboard**

Model SS-75 Heatrim■—capacities Btu/hr per lineal foot▲

Average water temperature	220°	210°	200°	190°	180°	220°	210°	200°	190°	180°
	Water flow 500 lbs/hr—Water temperature drop 20°					Water flow 2000 lbs/hr—Water temperature drop 20°				
1	1040	960	880	800	720	1100	1010	930	850	760
2	2080	1920	1760	1600	1440	2200	2020	1860	1700	1520
3	3120	2880	2640	2400	2160	3300	3030	2790	2550	2280
4	4160	3840	3520	3200	2880	4400	4040	3720	3400	3040
5	5200	4800	4400	4000	3600	5500	5050	4650	4250	3800
6	6240	5760	5280	4800	4320	6600	6060	5580	5100	4560
7	7280	6720	6160	5600	5040	7700	7070	6510	5950	5320
8	8320	7680	7040	6400	5760	8800	8080	7440	6800	6080
9	9360	8640	7920	7200	6480	9900	9090	8370	7650	6840
10	10400	9600	8800	8000	7200	11000	10100	9300	8500	7600
11	11440	10560	9680	8800	7920	12100	11110	10230	9350	8360
12	12480	11520	10560	9600	8640	13200	12120	11160	10200	9120
13	13520	12480	11440	10400	9360	14300	13130	12090	11050	9880
14	14560	13440	12320	11200	10080	15400	14140	13020	11900	10640
15	15600	14400	13200	12000	10800	16500	15150	13950	12750	11400
16	16640	15360	14080	12800	11520	17600	16160	14880	13600	12160
17	17680	16320	14960	13600	12240	18700	17170	15810	14450	12920
18	18720	17280	15840	14400	12960	19800	18180	16740	15300	13680
19	19760	18240	16720	15200	13680	20900	19190	17670	16150	14440
20	20800	19200	17600	16000	14400	22000	20200	18600	17000	15200
21	21840	20160	18480	16800	15120	23100	21210	19530	17850	15960
22	22880	21120	19360	17600	15840	24200	22220	20460	18700	16720
23	23920	22080	20240	18400	16560	25300	23230	21390	19550	17480
24	24960	23040	21120	19200	17280	26400	24240	22320	20400	18240
25	26000	24000	22000	20000	18000	27500	25250	23250	21250	19000
26	27040	24960	22880	20800	18720	28600	26260	24180	22100	19760
27	28080	25920	23760	21600	19440	29700	27270	25110	22950	20520
28	29120	26880	24640	22400	20160	30800	28280	26040	23800	21280
29	30160	27840	25520	23200	20880	31900	29290	26970	24650	22040
30	31200	28800	26400	24000	21600	33000	30300	27900	25500	22800

Model SS-100 Heatrim●—capacities Btu/hr per lineal foot▲

Average water temperature	220°	210°	200°	190°	180°	220°	210°	200°	190°	180°
	Water flow 500 lbs/hr—Water temperature drop 20°					Water flow 2000 lbs/hr—Water temperature drop 20°				
1	1010	930	850	780	700	1070	980	900	820	740
2	2020	1860	1700	1560	1400	2140	1960	1800	1640	1480
3	3030	2790	2550	2340	2100	3210	2940	2700	2460	2220
4	4040	3720	3400	3120	2800	4280	3920	3600	3280	2960
5	5050	4650	4250	3900	3500	5350	4900	4500	4100	3700
6	6060	5580	5100	4680	4200	6420	5880	5400	4920	4440
7	7070	6510	5950	5460	4900	7490	6860	6300	5740	5180
8	8080	7440	6800	6240	5600	8560	7840	7200	6560	5920
9	9090	8370	7650	7020	6300	9630	8820	8100	7380	6660
10	10100	9300	8500	7800	7000	10700	9800	9000	8200	7400
11	11110	10230	9350	8580	7700	11770	10780	9900	9020	8140
12	12120	11160	10200	9360	8400	12840	11760	10800	9840	8880
13	13130	12090	11050	10140	9100	13910	12740	11700	10660	9620
14	14140	13020	11900	10920	9800	14980	13720	12600	11480	10360
15	15150	13950	12750	11700	10500	16050	14700	13500	12300	11100
16	16160	14880	13600	12480	11200	17120	15680	14400	13120	11840
17	17170	15810	14450	13260	11900	18190	16660	15300	13940	12580
18	18180	16740	15300	14040	12600	19260	17640	16200	14760	13320
19	19190	17670	16150	14820	13300	20330	18620	17100	15580	14060
20	20200	18600	17000	15600	14000	21400	19600	18000	16400	14800
21	21210	19530	17850	16380	14700	22470	20580	18900	17220	15540
22	22220	20460	18700	17160	15400	23540	21560	19800	18040	16280
23	23230	21390	19550	17940	16100	24610	22540	20700	18860	17020
24	24240	22320	20400	18720	16800	25680	23520	21600	19680	17760
25	25250	23250	21250	19500	17500	26750	24500	22500	20500	18500
26	26260	24180	22100	20280	18200	27820	25480	23400	21320	19240
27	27270	25110	22950	21060	18900	28890	26460	24300	22140	19980
28	28280	26040	23800	21840	19600	29960	27440	25200	22960	20720
29	29290	26970	24650	22620	20300	31030	28420	26100	23780	21460
30	30300	27900	25500	23400	21000	32100	29400	27000	24600	22200

■ Approved I=B=R water ratings shown above for American-Standard Model SS Heatrim Panels (with Model SS-75 element) are based on a water flow of 500 lbs/hr with a pressure drop of 0.047 inches of water per lineal foot and a water flow of 2000 lbs/hr with a pressure drop of 0.530 inches of water per lineal foot.

● Approved I=B=R water ratings shown above for American-Standard Model SS Heatrim Panels (with Model SS-100 element) are based on a water flow of 500 lbs/hr with a pressure drop of 0.013 inches of water per lineal foot and a water flow of 2000 lbs/hr with a pressure drop of 0.150 inches of water per lineal foot.

The use of I=B=R ratings at water flow rates of 2000 lbs/hr is limited to installation where the water flow rate through the baseboard unit is equal to or greater than 2000 lbs/hr. Where the water flow rate through the baseboard is not known, the I=B=R rating at the standard water flow rate of 500 lbs/hr must be used.

As allowed by the Institute of Boiler and Radiator Manufacturers (I=B=R) Testing and Rating Code for Baseboard Type of Radiation, 15% is added to water heat capacity.

▲ These ratings are based on active (finned) Model SS Heatrim lengths. Difference between active length and total length of the standard Model SS Heatrim heating elements is 4 inches. Elements are unpainted.

Non-ferrous fins on Model SS-75 and Model SS-100 elements measure 2¾ x 2½ x 0.011 inches, spaced 55 fins per foot.

AMERICAN STANDARD
PLUMBING & HEATING GROUP

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model SS Heatrim

non-ferrous commercial baseboard

SS features

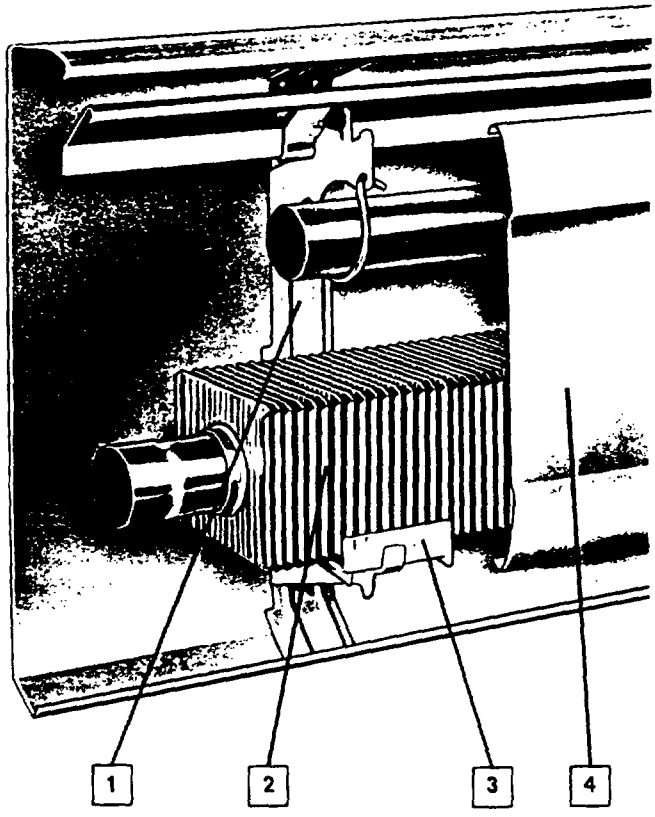
1—snap-in brackets—Put the brackets where you want them, push, and they snap in place to stay. It's that simple, time and money saving. They're heavy gauge, fully support the back plate and give extra rigidity to the assembled unit.

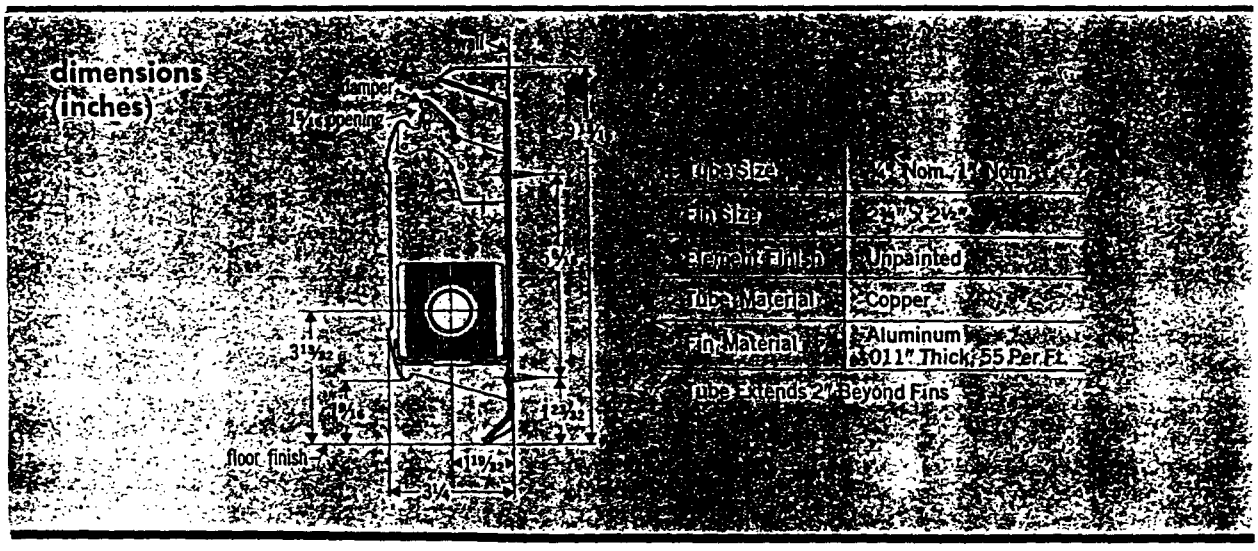
2—high capacity open-box-fin element—This element is very sturdy and easy to handle. The boxed and serrated aluminum fins increase radiating surface, at the same time directing and increasing convective effect. One end of each element is flared eliminating the need for couplings. Thus you save on element cost for any given installation, delivering required capacity with less radiation, economical ease of installation, plus complete owner satisfaction.

3—SS "silent glide cradle"—Manufactured of heat resistant plastic which permits the element to expand and contract smoothly and silently.

4—heavy duty 20 gauge front panel—Designed to meet stringent building specifications that require a rugged, durable front panel.

Convenient radius-formed snap-on end covers. These end covers fit the radiator cover perfectly, merge and match with the unrivaled beauty of SS Heatrim's smooth-flowing lines. All accessories snap into place. No sheet metal screws ever required. (Not shown)





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