Rome Brass Radiator Corp.

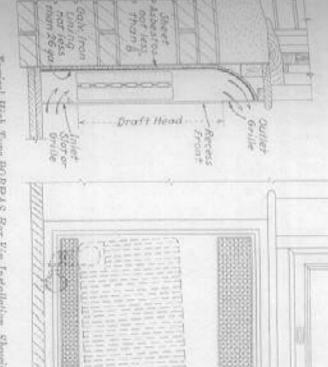
Typical Lew Type BOBRAS Box Firs Installation, Showing Front Elecation

## Capacities of Enclosed LOW TYPE ROBRAS Box Fin Radiators

Capacities are shown in the square foot equivalent of standard direct cast iron radiation. One square foot equals 240 B.t.u. per hour in a 70 deg. room with steam at 215 deg. and one pound pressure

DRAFT HEAD is measured from bottom of radiator to bottom of OUTLET GRILLE

22222		22222		Radiator Designa- tion	LS	
20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		20000 20000		D-Overall Depth of Rad.	L—Section Length	
28% 28%		A2227		Sq. Ft.	To.	
12/2 25/4 31/4	18 1	22 22 2882=	12	Sq. Ft.	22"	
15 22½ 30 45 45	in. Draft Head	\$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25 \$25	in. Draft Head	Sq. Ft.	26"	
19 281/2 38 471/2	t Head	25% 34% 51%	t Head	Sq. Fr.	32"	
22 22		827		Sq. Ft.	38"	
786/2		755 755 755 755 755 755 755 755 755 755		Sq. Ft.	44"	
30% 453% 61 7614		\$75°£28		Sq. Ft.	500	
1925/2 1925/2		02.858 102.858		in in	607	
10814 130%		88888		Sq. Ft.	70"	



NAND HOLE

Typical High Type ROBRAS Box Fin Installation, S. ring Front Elevation and Section

#### Capacities of Enclosed ROBRAS Box Fin Radiators HIGH TYPE

Capacities are shown in the square foot equivalent One square foot equals 240 B.t.u. per hour in a and one pound pre of standard direct cast iron radiation.

70 deg, room with steam at 215 deg, ssure.

<u> </u>		플롱프롱플		프랑크로운		五百五五五		Radiator Designa- tion	L-S
- 4444 - 4444		24444 24444		E 27 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		E8757		D-Overall Depth of Rad.	L-Section Length
58% 58%		17/2 26/4 35 4334 52/2		16/3 248/4 33 411/4 49/2		211% 29% 431/2		Sq. Ft.	189
2010	30 3	22% 33% 45 56%	24 1	20% 41% 51%	181	25%25	12	Sq. Ft.	22"
88888	in. Draft	27% 41% 55 88 82%	in. Draft	25 377/2 50 75 <sup>7</sup> /2	in. Draft	28482	in. Draft	Sq. Ft.	26"
550/2 750/2	ft Head	34½ 51½ 69 86½ 103½	t Head	7/2 8/2 7/4 5/2 8/2 7/4 6/4	ft Head	84862	t Head	Sq. Ft.	32"
98%		411/2 611/2 108/4 124/2		115/2 25/2 25/2 25/2 25/2 25/2 25/2 25/2		28823		Sq. Ft	00 00
107 107 107 107 107 107 107 107 107 107		150/2 150/2 150/2		90% 112%	1	55885		Sq. Ft.	44"
61 91½ 152½ 183½		145 146 146 146 146 146 146 146 146 146 146		2282 2282 2282 2282 2282 2282 2282 228		136% 136% 136%		Sq. Ft.	50"
74/5 1119/4 186/4 223/5		227.528		382388 32 32		157½ 157½		Sq. Ft.	60"
218 262 262		1200 200 240		2200		195239 SS	1	Sq. F	70"

Where top horizontal outlets are used, draft head is measured from bot tiom of radiator to face of grille.

Where top horizontal outlets are used draft head is measured from bottom of radiator to face of grille

782

22222

2545E=

**本型級器点** 

525/2

26238

200 800 200

222272

30 in.

Draft Head

TTTTT

25 75 CC

44335

88488

24 55% 73% 73%

87% 43% 50% 43% 80% 43%

885 558 5758

42888

#2880

in. Draft Head

### 0 D C THE R. P. LEWIS CO., LANSING BILLIANIE

East 42nd Street, New York

CLEVELAND Representatives in Principal Cities PHILADELPHIA PITTSBURGH MILWAUKER

Снимоо

Washington, D.C. Whorl 748

wherein the heat-surface is enclosed, either within the building wall or a casing. surface radiators, especially developed Robras Radiators utilize the enclosure as a stack within which they induce a positive Robras Box Fin Type Radiators are scientifically designed non-corrosive extended to utilize the advanced principles of heating

movement of the heated air, expelling it harizontally, with sufficient velocity to insure a



enormous weight and bulk, and freedom economy, effective control, PORATION endorses this modern Method of fans. Thus the ROME BRASS RADIATOR COR from intrusion upon the decorative scheme mer practice, uniformity of heating throughout the Heating as incomparably superior to jacent space never before achieved without affording uniform comfort freedom from 100

Supply and return connection fittings and caps are screwed on to internally shouldered steam chambers. The copper radiating fins are applied at right angles to the prime surface structed that they will withstand ordinary steam pressures. As indicated two stumped brass side plates are electrically welded around the edges and longitudinally between Robras Box Fin Radiators are made entirely of brass with copper fins and so con-

5½ in. and 10% in. high respectively, in nine lengths from 18 to 70 in. and in four depths. Supply and return connection fittings can be set at the plant in vertical or horizontal positions as ordered. nipples at each end of the radiator.

Robras Box Fin Radiators are furnished in low and high types

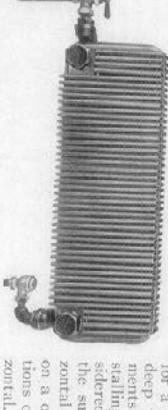
installed, and other conditions of the heating plant are correct fully prepared tests and are guaranteed, when radiators are properly The ratings of Robbas Radiators have been determined from care

square feet are given on Pages 782 and 783. (Equivalent Direct Radiation) ROBRAS Box Fin Radiators are Their rated E.D.R ratungs

enclosure. to their construction and the Robras Box Fin radiation unnecessary to increase Robras Box Fin radiation because of the 25 per cent, or any other quantity, because of the Special attention is called to the fact that, due

pose that it is required to install 42 sq. ft. E.D.R. known, determine the recess space available. When the amount of radiation to be installed is ding

and opposite 51/2 in. depth of radiator. This would give overlap of enclosure. In this case, the approximate draft head would be 12 in and reference should be made to table on Page 782 under this heading. Select a section length nearest to the length of recess available and refer to capacities under length of section method and referring to tables on Page 783 insufficient and a high type radiator should, from the available height of the wall space to provide for top and bottom grilles and high by 6 in. deep. The draft head can be determined by subtracting approximately 10 in a recess under a window. The approximate recess dimensions are 40 in, long by 24 in therefore, be selected. By using the above a rating of 42 tions could be either vertical on a one-pipe system, supply ments. The space requirements for inzontal and the return vertical. the supply connection could deep which would meet the require sidered. stalling valves and traps must be confor a radiator 32 in. long and 51/2 in a rating of 311/2 sq. ft., which is If used on a two-pipe system, sq. ft. will be CONTROL If used punol horn-



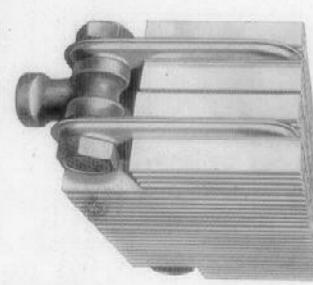
Rome Brass Radiator Corp.

oven, as the heat output of any radiator varies If an intermediate draft head is available, that the footage may be estimated for that particular height from capacities is, one between any of those shown in

with the draft head

other material to form a proper flue, culation of air and cuts down the effectiveness of arge grille. the radiator, unless backed by a sheet of metal or that any type of front used for the enclosure must at the une two openings, one at the floor line, the other An important feature to be kept in mind, is In no case must the front be made of one top of enclosure, preferably in the front Such a front prevents the proper cur-

accommodate valves and traps. the radiator, that is, the recess need be only two Data Catalog and adding necessary length to nches longer than the section. nce to assembly dimensions in our Engineering or other assemblies may be determined by refereast one inch of space is needed at the ends of Where connections looking down are used, at Recess lengths



# Typical Specifications for ROBRAS Radiators

Radiators Furnish and install where shown on plans and called for in the specifications, Robers Box Fin Radiators as manufactured by the Rome Brass Radiators (Corporation, I East 42nd Street, New York City.

All radiators shall be shipped completely assembled with the connections tapped in

accordance with the manufacturers' schedule.

furnished by the manufacturers generally 4 in, above the finished floor and shall be All ROBRAS Radiators shall be installed in a pitched in accordance with dimensions horizontal position with the low end

flange at either end, or by Robras Adjustable Supports. Radiators may be supported on standards made of 38 in, iron nipples with a floor

# Radiator Recesses

may be obtained from the ROME BRASS RADIATOR CORPORATION Engineering Catalog (Where desirable, our enclosures or lining and fronts separately can be used). with approved insulation. Sizes of recesses shall be All recesses for Robras radiators shall be lined with No. 26 gauge sheet metal, backed as shown on plans, but general details

dog sha tron area of the radiator is its depth from front Cen gni length) taris. and below the radiator as shown on de-The Radiators recesses shall be provided h fronts having face openings above face area of the radiator. (The top face t of the top face area of the radiator or grille shall be not less than 40 per I be not less than 50 per cent of the Free Area of the top opening or grille to back multiplied by the The Free Area of the bottom open-

# Bathroom Units

Ro on one-pipe steam jobs small angle iron brackets will be required for these units) by complete with a white lacquered metal cabinet 8 in, high and may be supported one-pipe steam jobs small angle iron the pipe connections only. (Note that BRAS Bathroom Units shall be so in-Sach bathroom unit shall be furnished led as to have the grille at the top.

