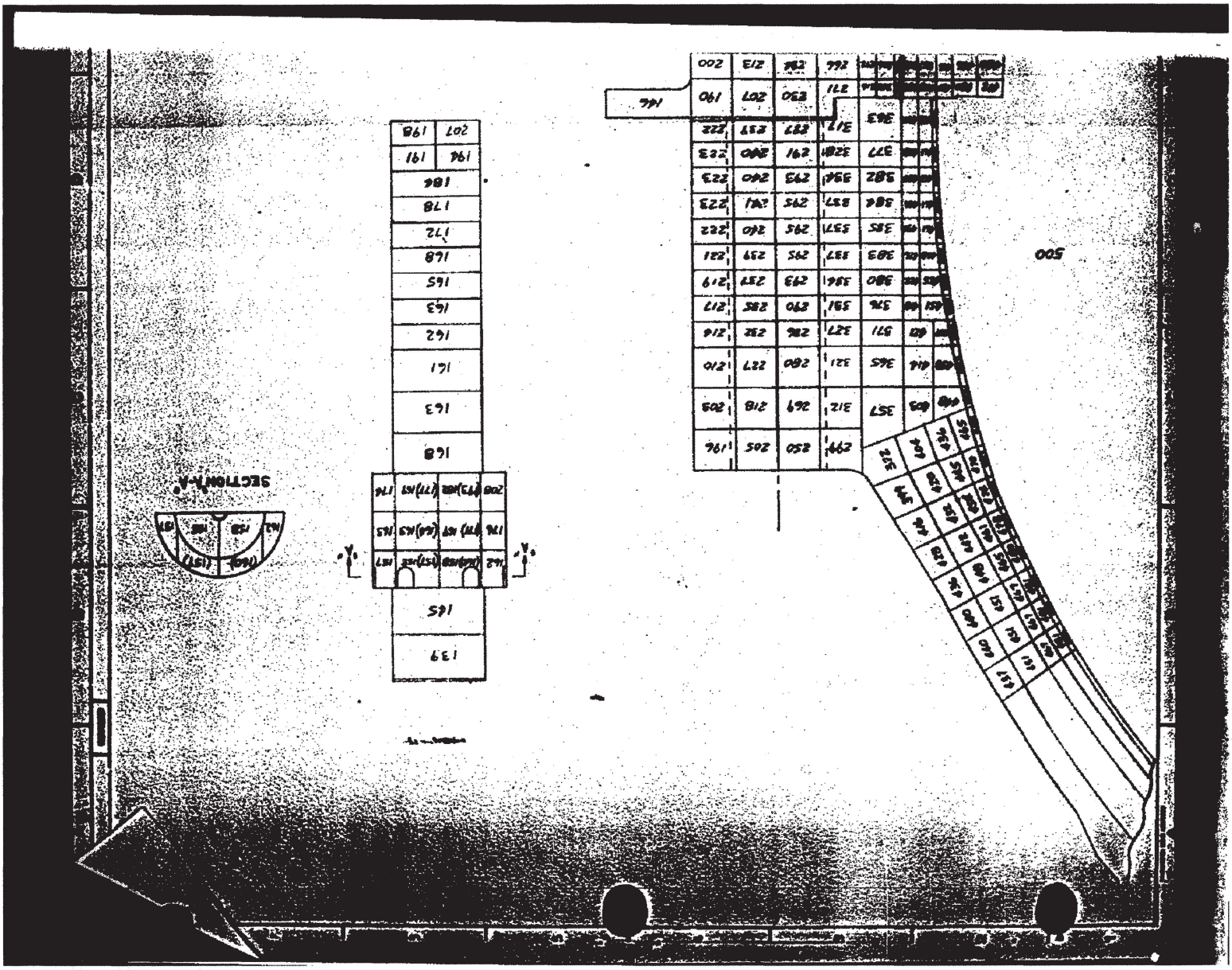
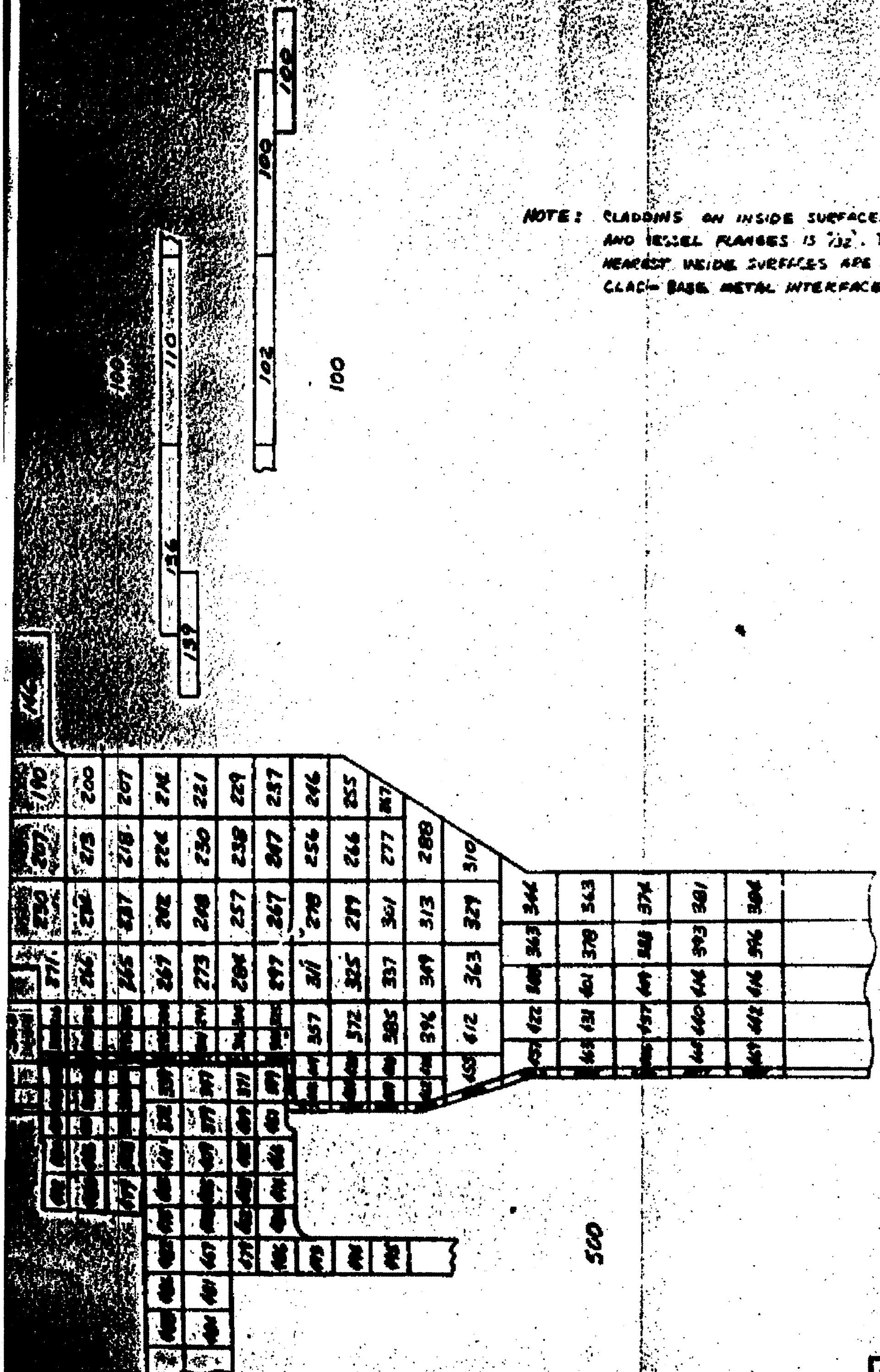




NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 7/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE.

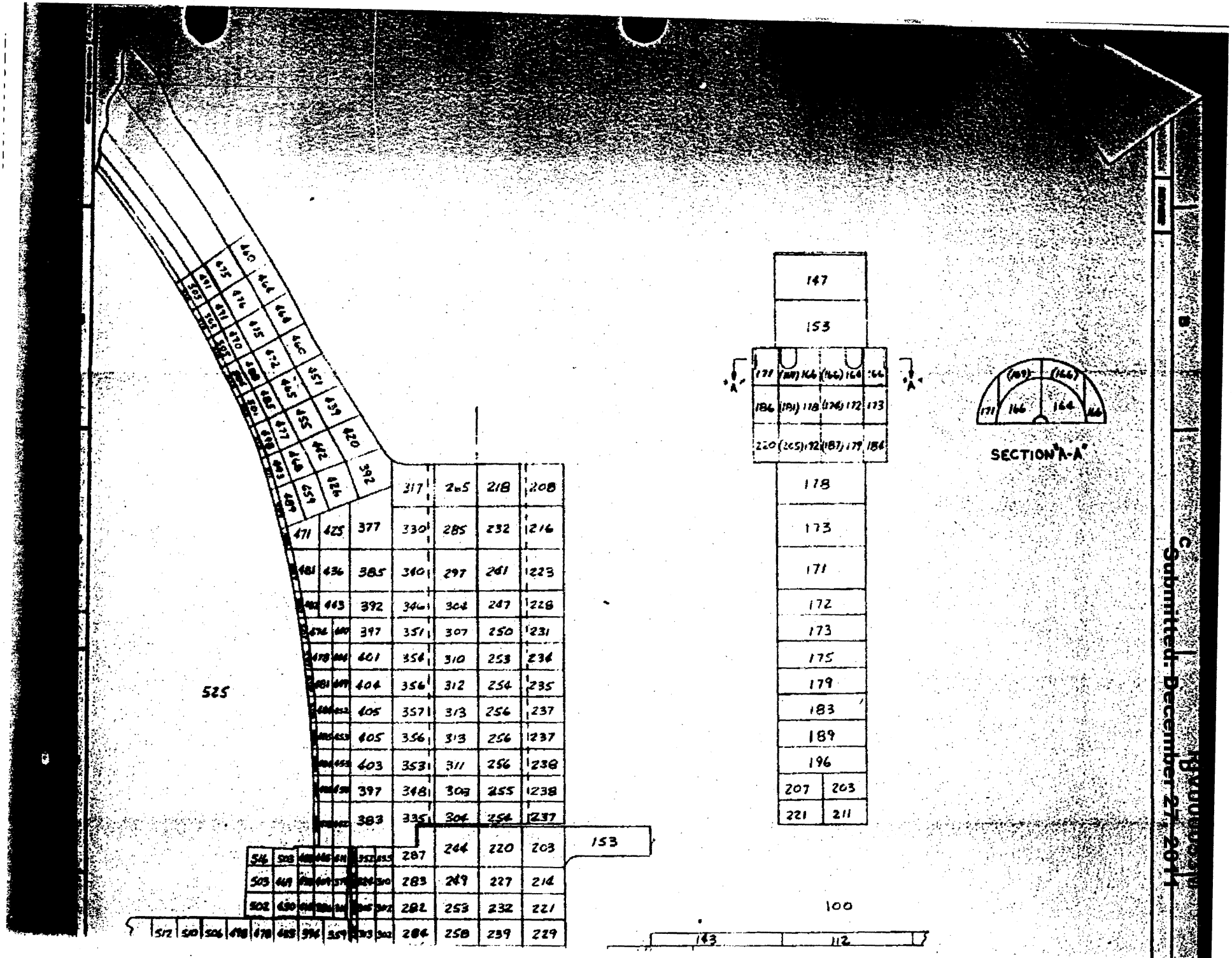
FIGURE B-1

THIS DRAWING MADE BY CHATTANOOGA DIVISION

TEMPERATURE DISTRIBUTION IN HEAD AND VESSEL FLANGES - 100°/HR HEATUP

TIME - 6.0 HRS.

WESTINGHOUSE - APD


525
317 265 218 208
330 285 232 216
340 297 261 223
346 308 247 228
351 307 250 231
356 310 253 236
356 312 254 235
357 313 256 237
356 313 256 237
353 311 256 238
348 309 255 238
335 304 256 237
287 264 220 203
283 249 227 214
282 253 232 221
284 258 239 229
153
100
143
112
147
153
178
173
171
172
173
175
179
183
189
196
207 203
221 211
SECTION A-A
B
C
Submitted: December 27, 2011

NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 7/32" TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD - BASE METAL INTERFACE

FIGURE B-2

TEMPERATURE DISTRIBUTION IN HEAD AND VESSEL FLANGES - 100°F/HR. HEATUP
TIME - 4.25 HRS.
WESTINGHOUSE - APD

COMBUSTION ENGINEERING, INC. WINDSOR, CONN.

DRAWING NO. SD-17765-38

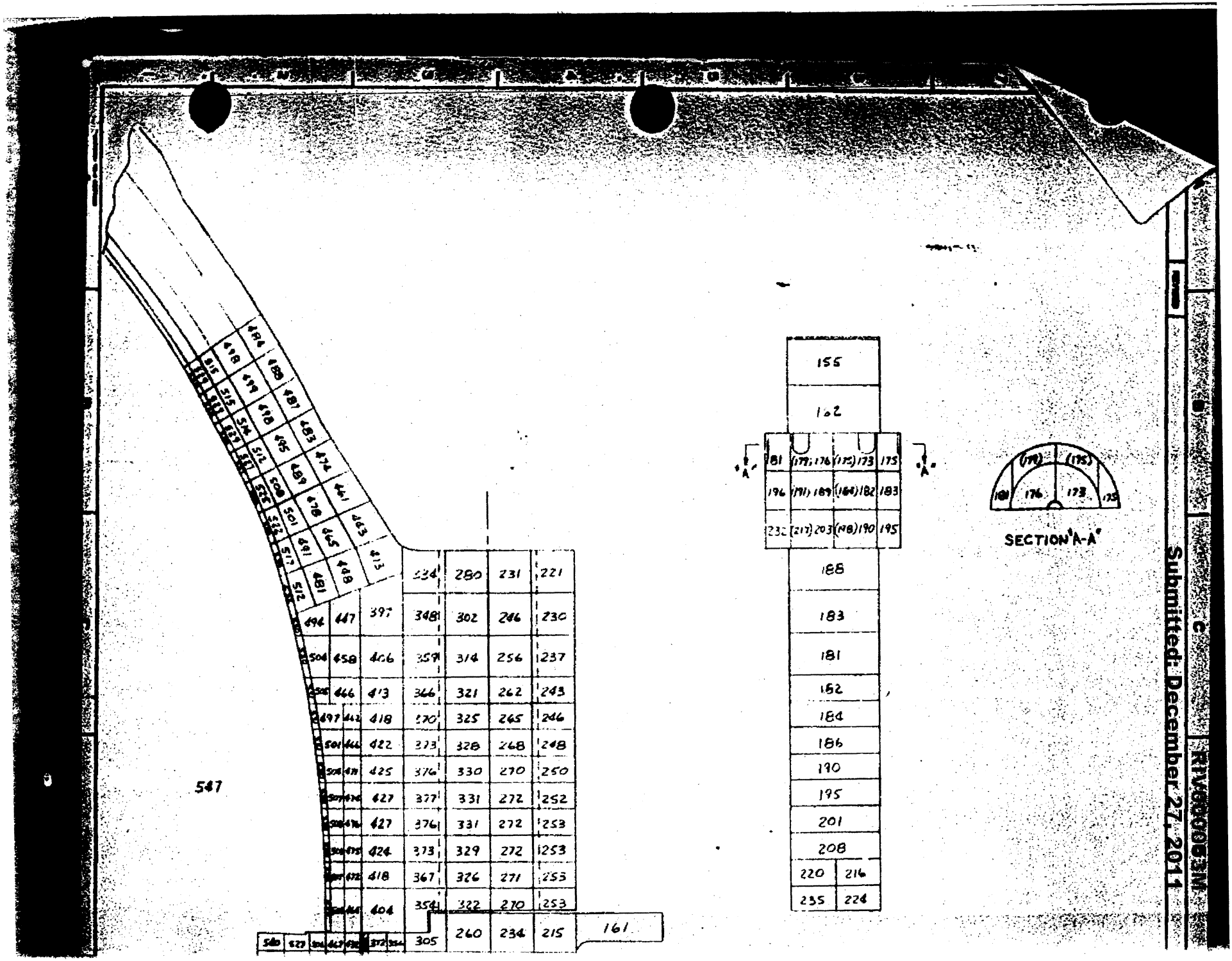
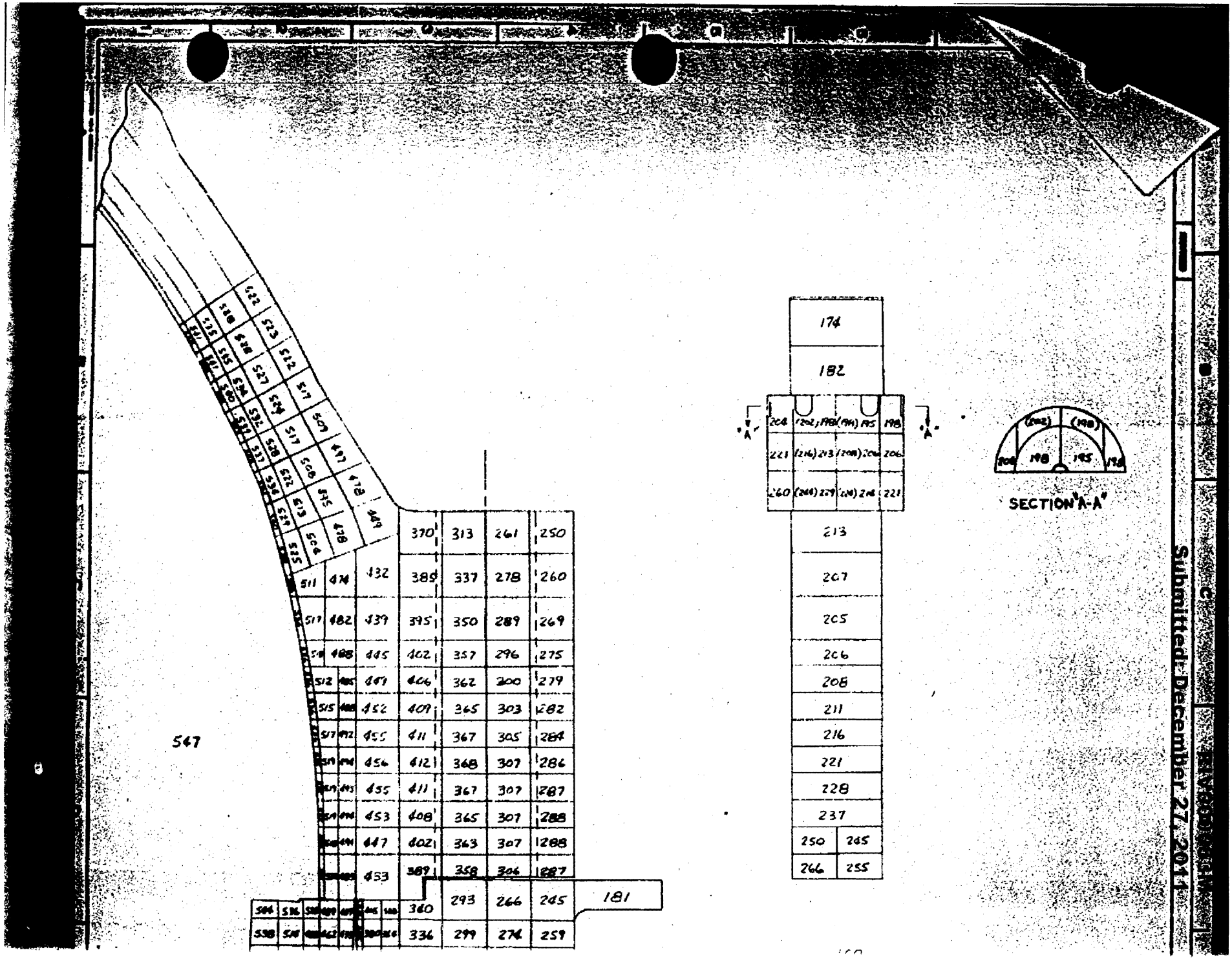

547
161
155
162
SECTION 'A-A'
Submitted: December 27, 2011
RTV0000EM

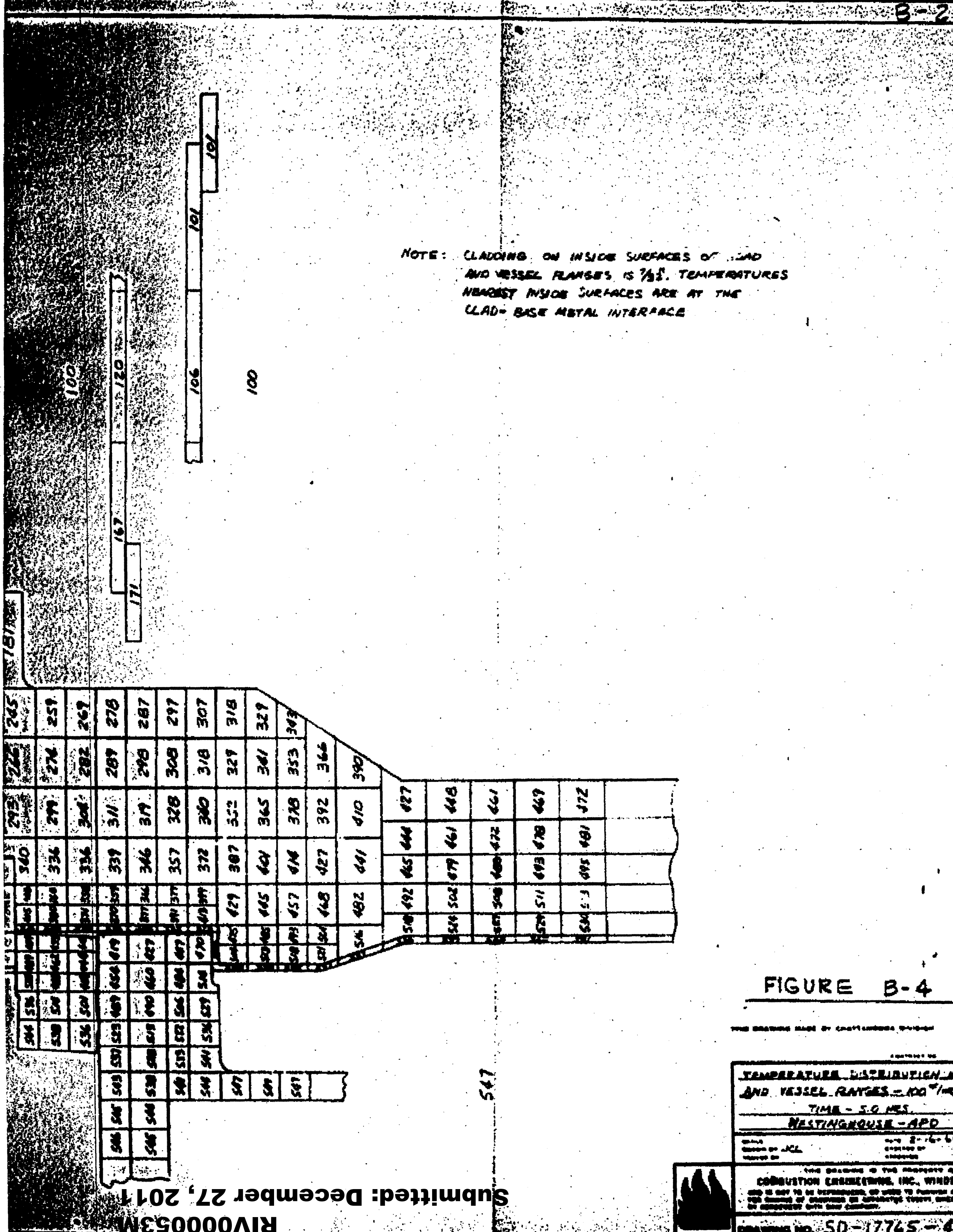
FIGURE B-2

TEMPERATURE DISTRIBUTION AT HEAD AND VESSEL FLANGES - 100°F/HR HEATUP. TIME = END OF HEATING, 4.67 HRS. WESTINGHOUSE - APD.

COMBUSTION ENGINEERING, INC., WINDSOR, CONN.

DRAWING NO. SD-1765-39


547
181
174
182
213
207
205
206
208
211
216
221
228
237
250
245
266
255
SECTION "A-A"
Submitted: December 27, 2011



NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 7/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE

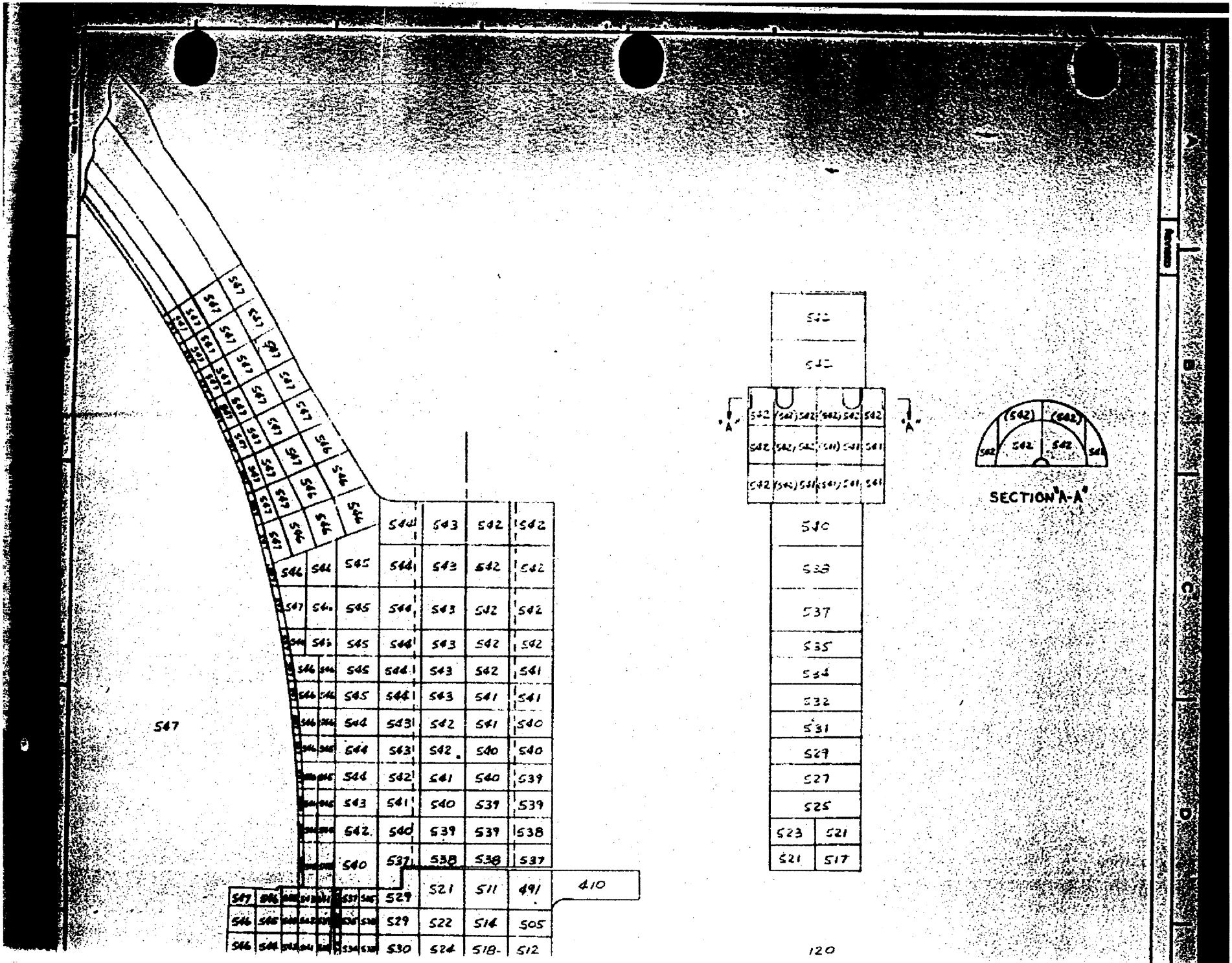
FIGURE B-4

TEMPERATURE DISTRIBUTION IN HEAD AND VESSEL FLANGES – 100°F/HR HEATUP
TIME – 5.0 HRS.
WESTINGHOUSE – APD

Drawn by JCL — Date 2-16-66

COMBUSTION ENGINEERING, INC., WINDSOR, CONN.

DRAWING NO. SD-17765-40


547
410
SECTION A-A
120

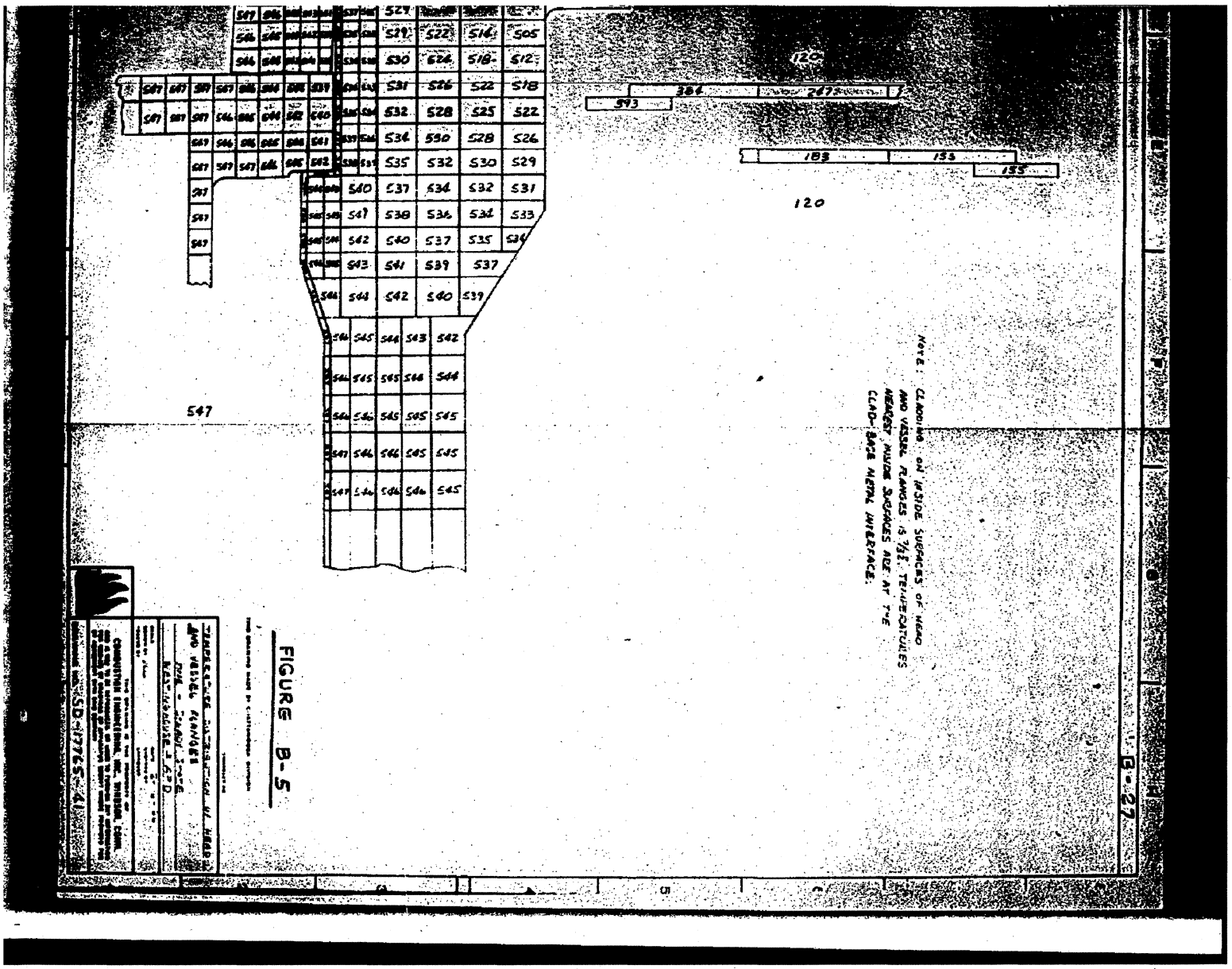
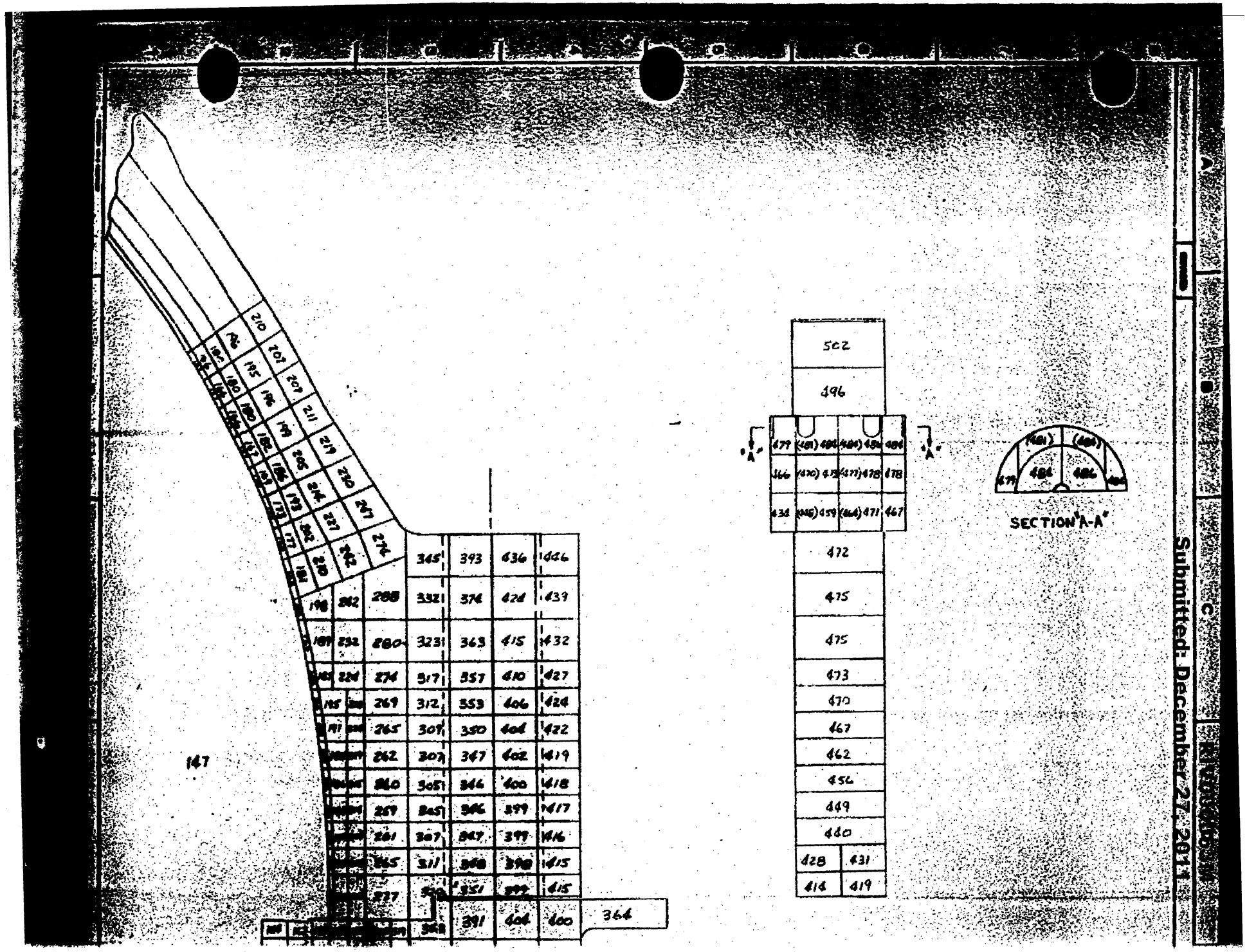

120
384
267
593
188
155
155
120
547
NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 3/8". TEMPERATURES NEAREST MAJOR SURFACES ARE AT THE CLAD-BASE METAL INTERFACE.
B-27

FIGURE B-5


502
496
472
475
475
473
470
467
462
456
449
440
428
431
414
419
SECTION 'A-A'
147
364
Submitted: December 27, 2011

NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 5/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE

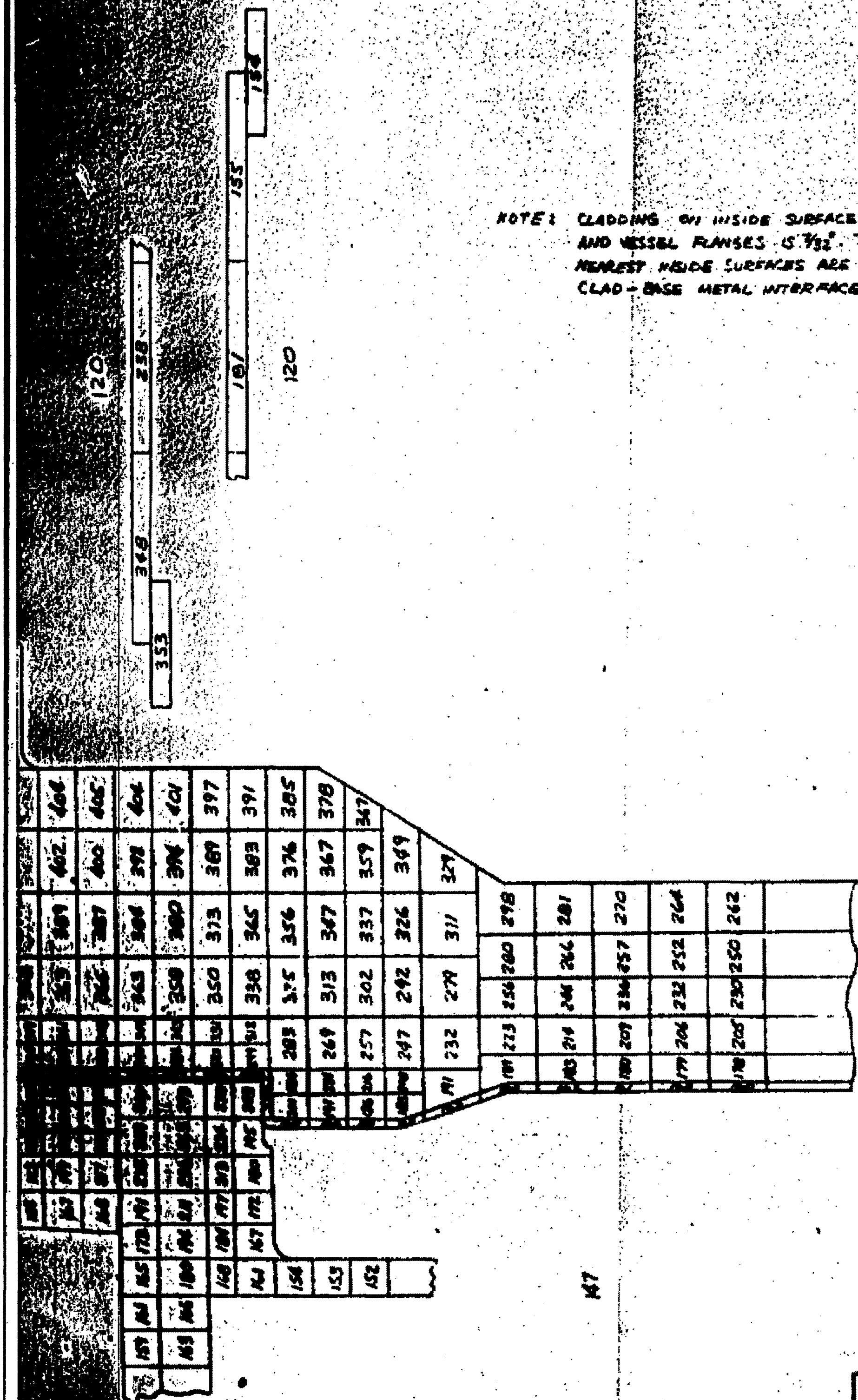


FIGURE B-6

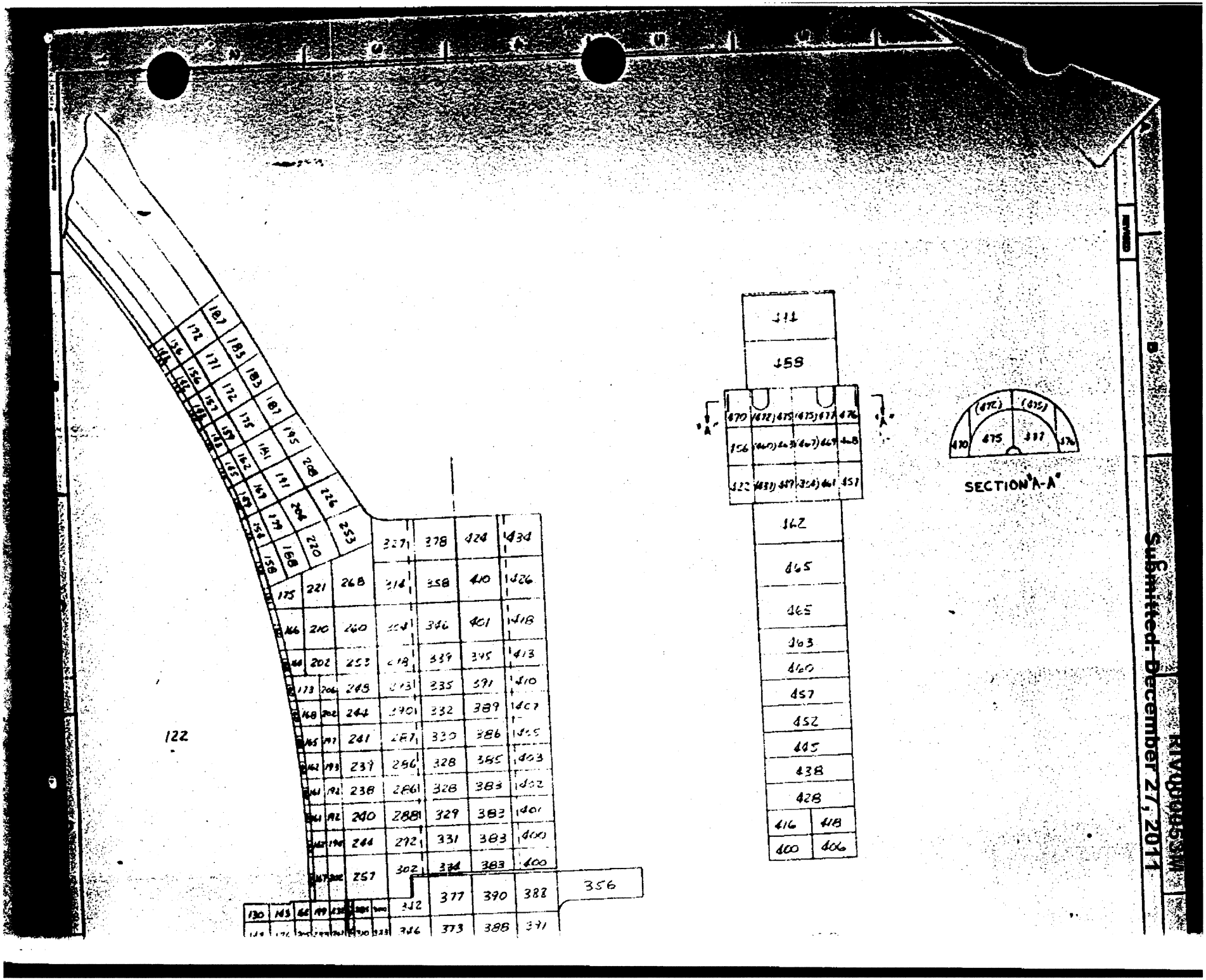
THIS DRAWING MADE BY CHATTANOOGA DIVISION

TEMPERATURE DISTRIBUTION IN HEAD AND VESSEL FLANGES, -100°F/HR. COOLDOWN
TIME = 4.0 HRS.
WESTINGHOUSE-APD

DRAWN BY JCL

THIS DRAWING IS THE PROPERTY OF COMBUSTION ENGINEERING, INC., WINDSOR, CONN.

DRAWING NO. SD-17765-42

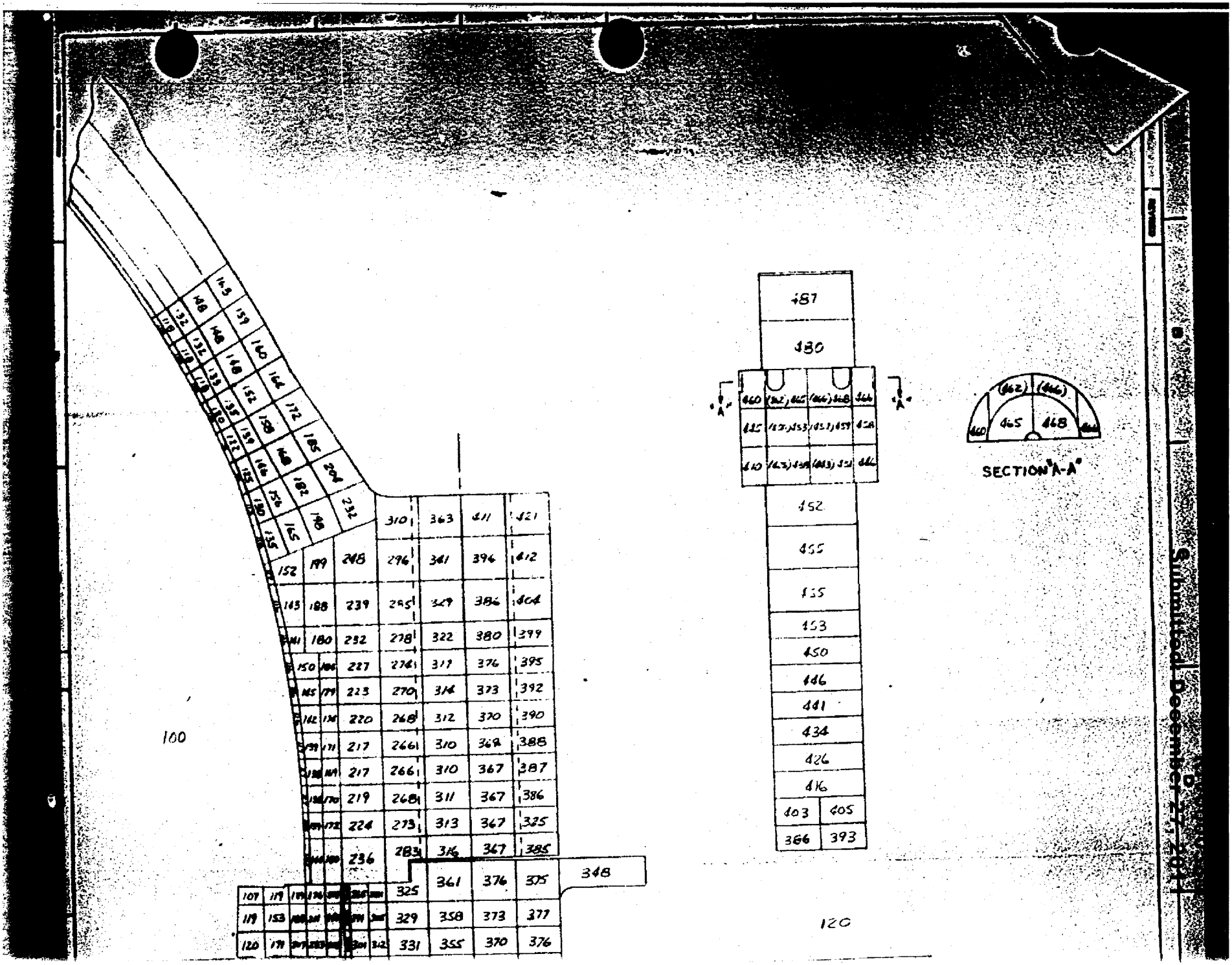

SECTION A-A
122
356
Submitted- December 27, 2011

B-29

NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 7/32". TEMPERATURE NOZZLE INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE

FIGURE B-7

COMBUSTION ENGINEERING INC., WINDSOR, CONN.


100
120
348
SECTION "A-A"
A
A

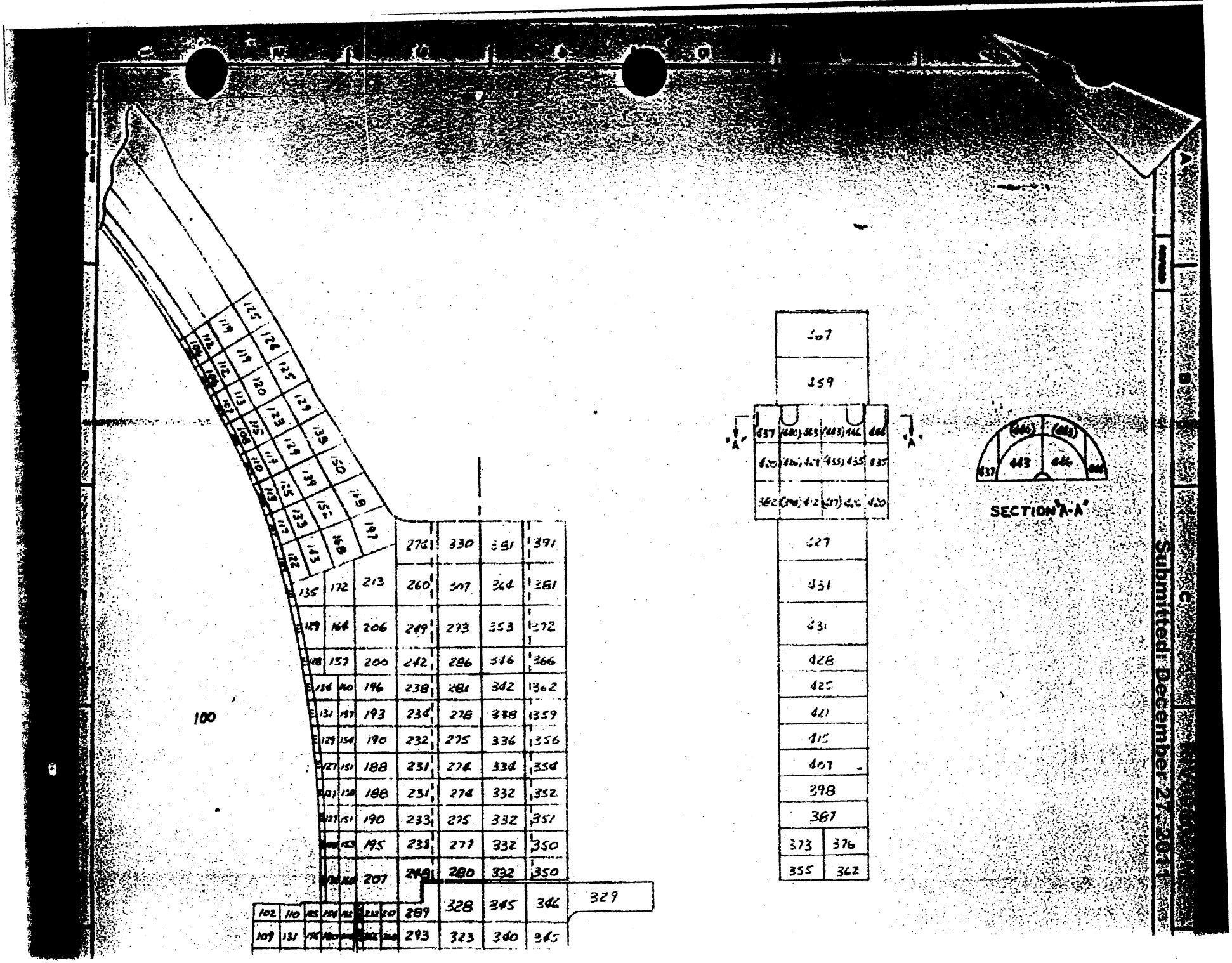
NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 7/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE

FIGURE B-8

TEMPERATURE DISTRIBUTION IN HEAD AND VESSEL FLANGES — 10 7/32 CLADDING
TIME - END OF SCRAM 5.67 HRS.
NEUTRONICS - ADO

COMBUSTION ENGINEERING, INC. WINDSOR, CONN.

SD-12765-44


100
SECTION 'A-A'
Submitted: December 27, 2011

NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 7/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE

FIGURE B-9

TEMPERATURE DISTRIBUTION AT HEAD AND VESSEL FLANGES - 100°F/hr COOLDOWN

FUNC - 2 C MCS

BESTINGHOUSE - APD

COMBUSTION ENGINEERING, INC. WINDSOR, CONN.

SD-11765-45

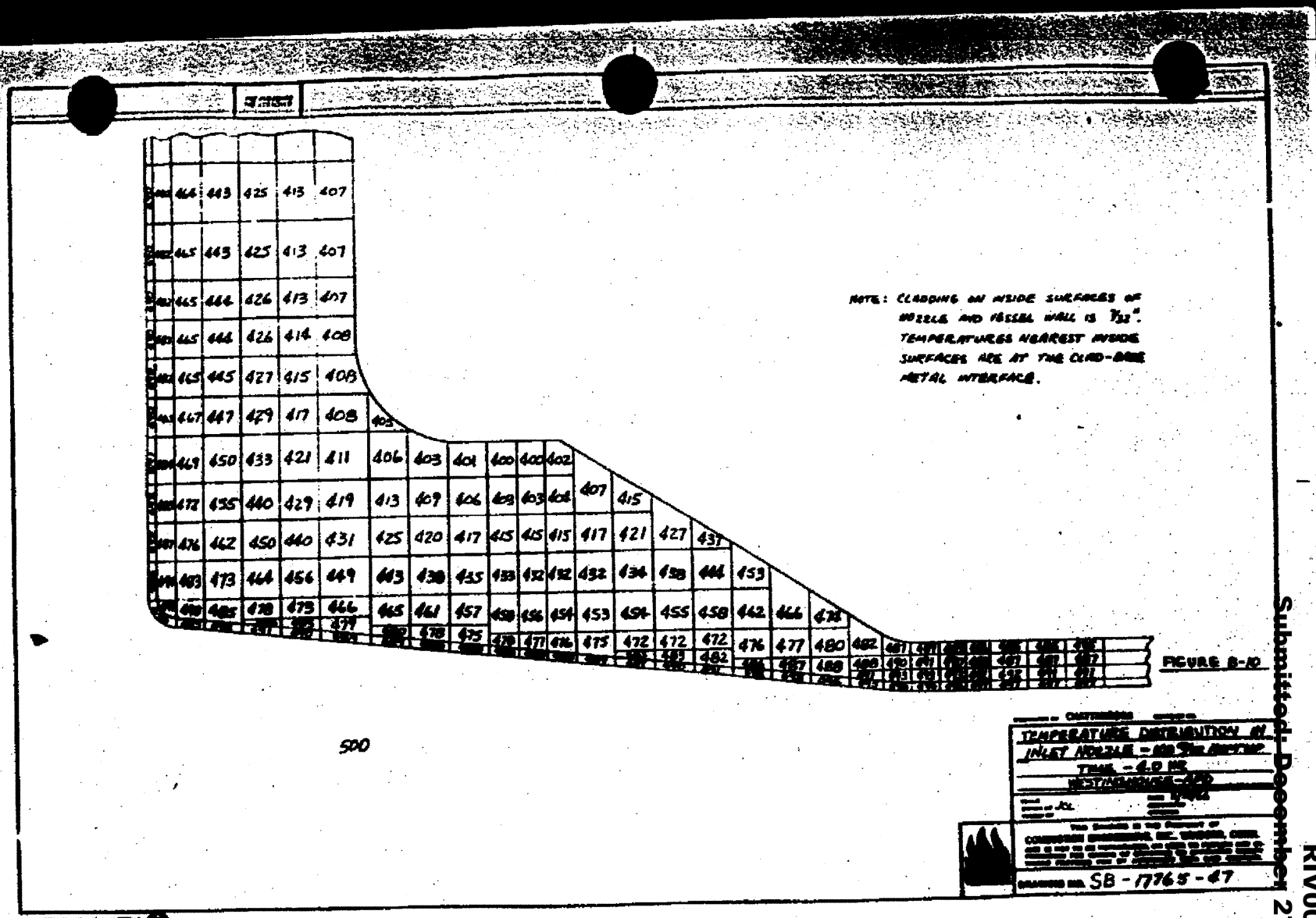
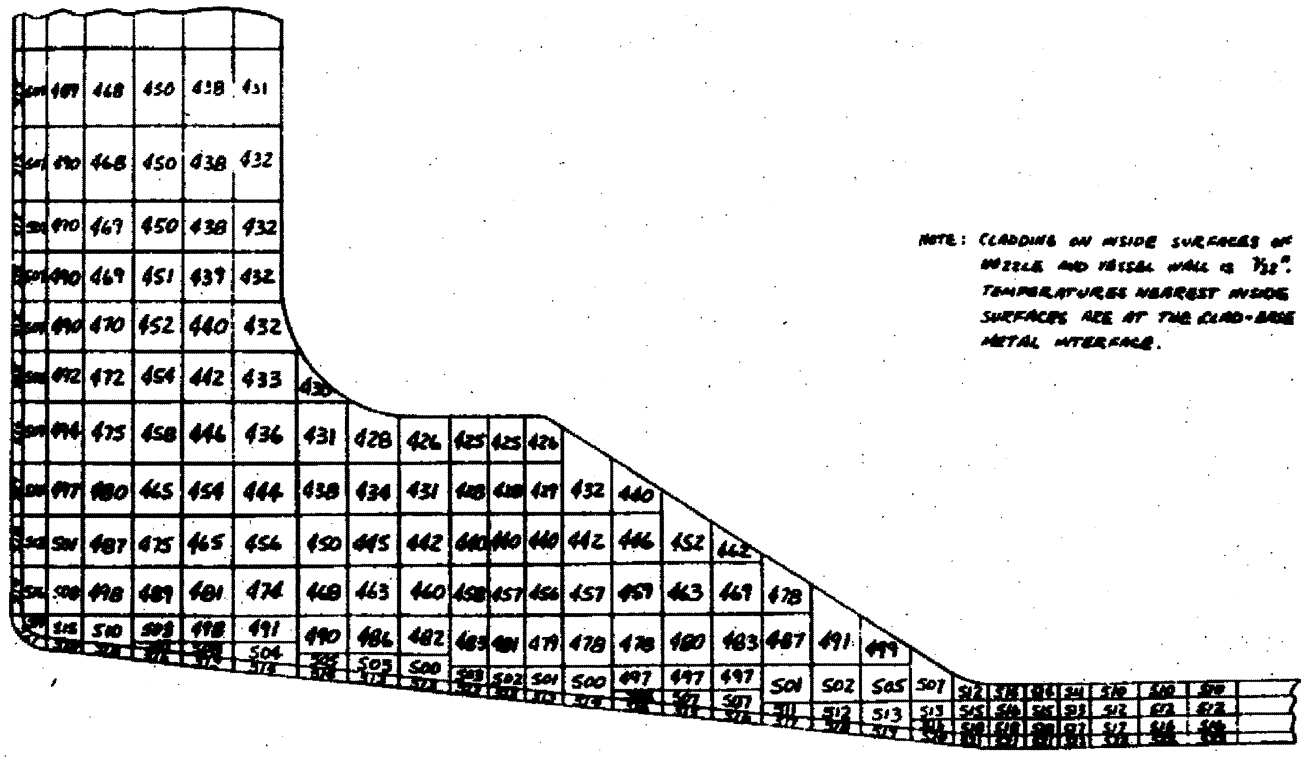


FIGURE 8-10

B-33



NOTE: CLADDING ON INSIDE SURFACES OF NOZZLE AND VESSEL WALL IS 1/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE.

525

FIGURE 6.11

TEMPERATURE DISTRIBUTION IN INLET NOZZLE – 100 % FULL POWER

SB-17765-48

Submitted: December 27, 2016

RAI 07.05.03-1

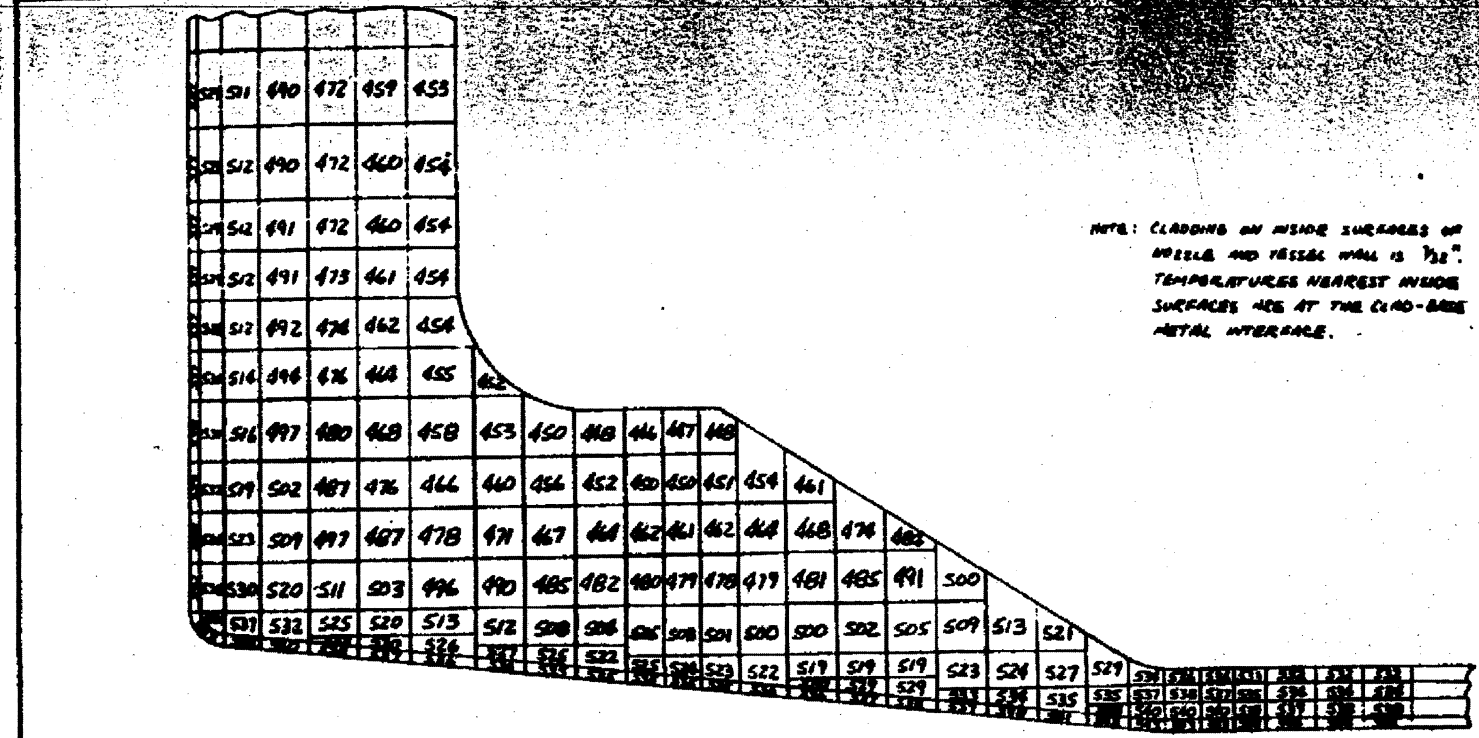
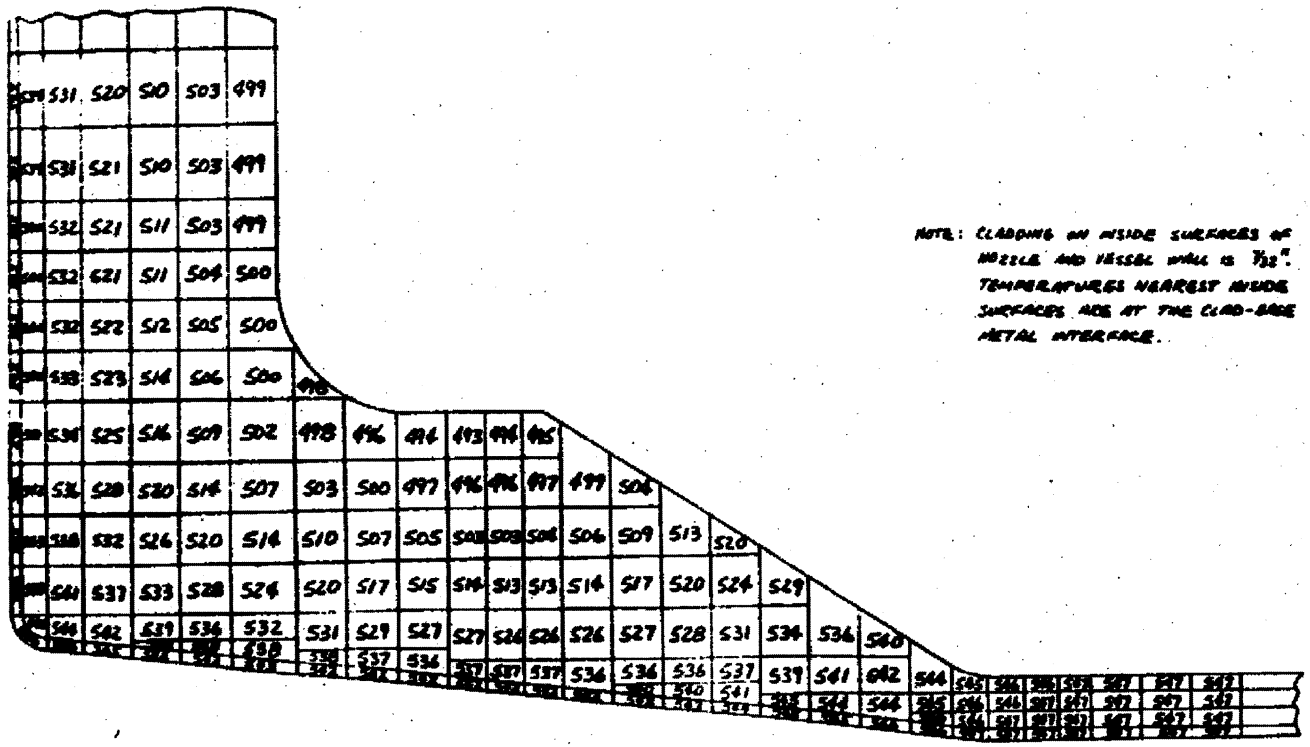


FIGURE B-12

TEMPERATURE DISTRIBUTION

DRAWING NO. CB-17765-49



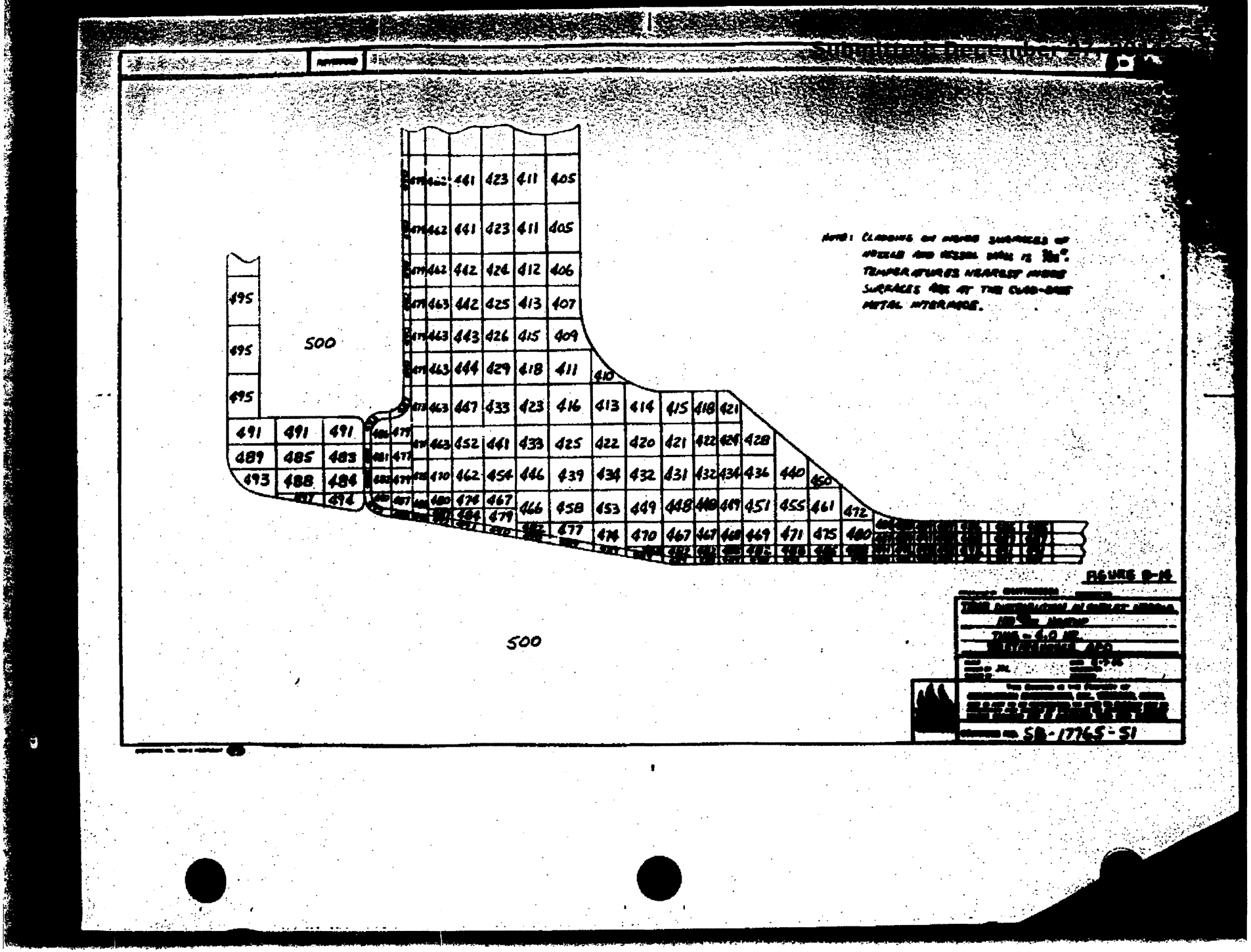
NOTE: CLADDING ON INSIDE SURFACES OF NOZZLE AND VESSEL WALL IS 7/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE.

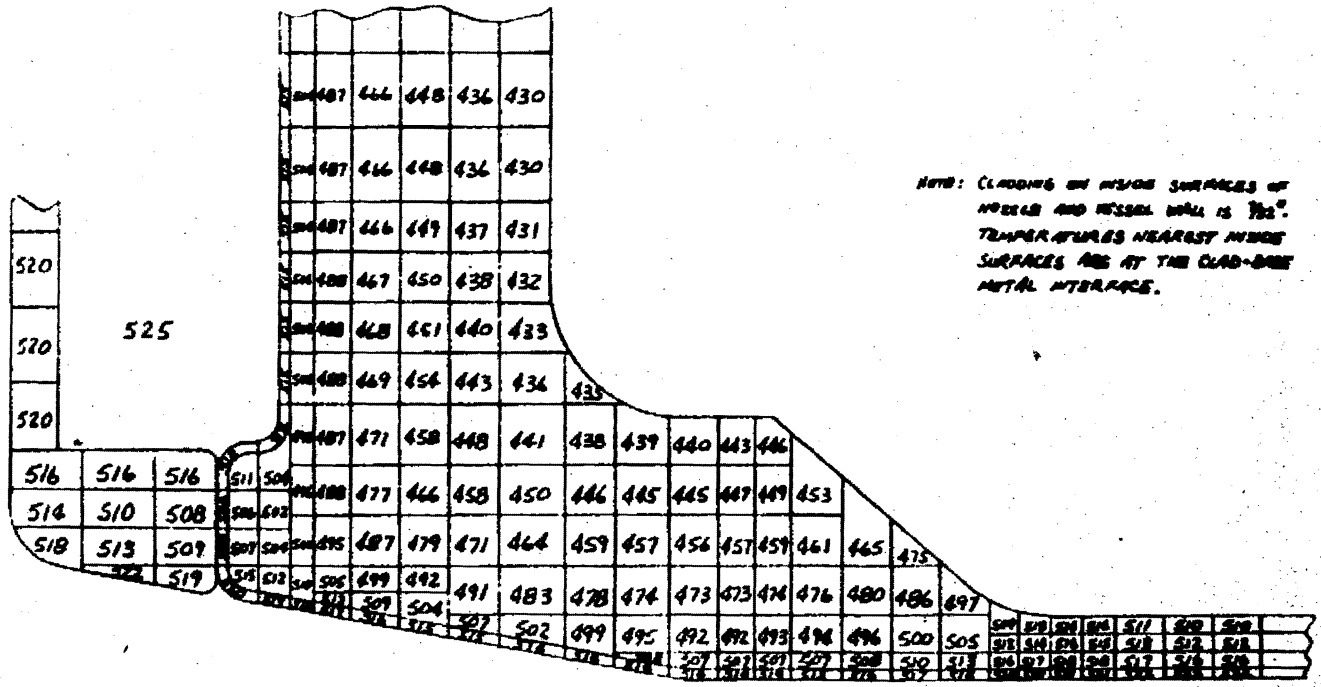
FIGURE B-13

547

TEMPERATURE DISTRIBUTION AT INLET NOZZLE - 100% FULL POWER
TIME - 5.0 HR.
WESTINGHOUSE - MOD

SB-17765-50

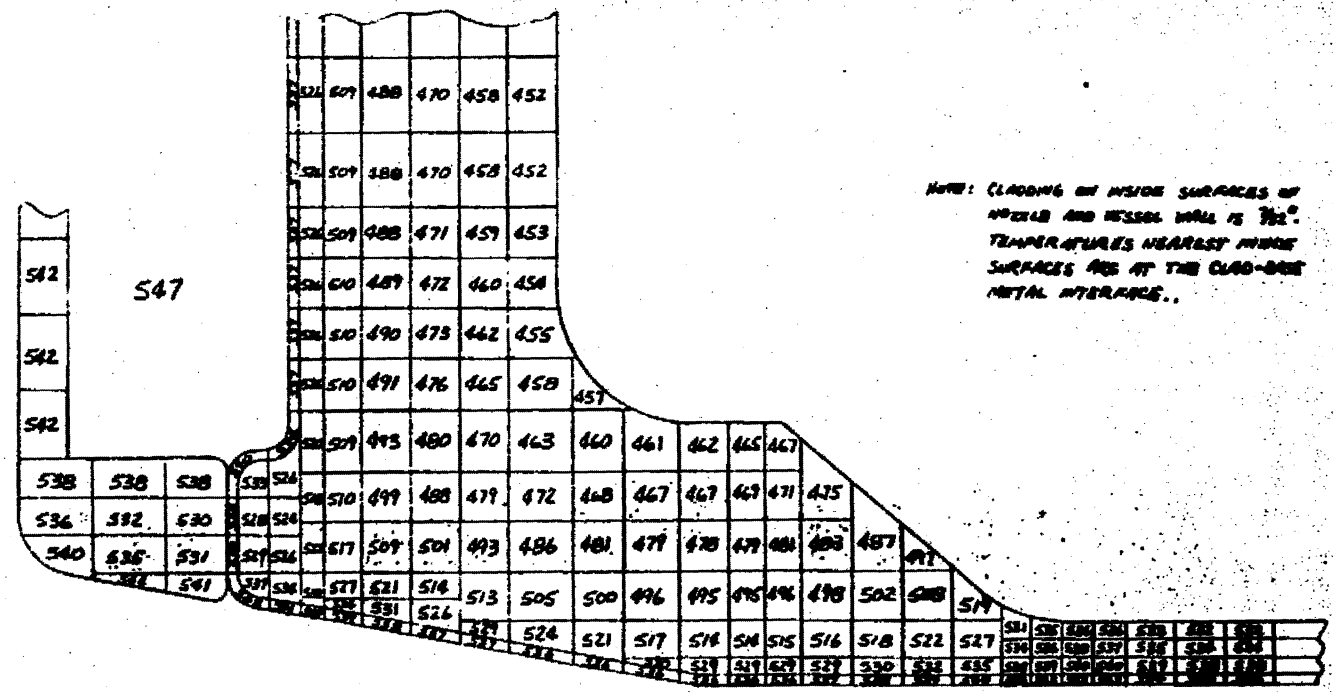

Submitted December 27,
NOTE: CLEARANCE ON HORIZ SURFACES OF AIRFOILS AND FUSELAGE SKIN IS 3/16".
TEMPERATURES NEAREST HORIZ SURFACES ARE AT THE CLAD-BARE METAL INTERFACE.
500
500
491 491 491
489 485 483
493 488 484
495
495
495
441 423 411 405
462 441 423 411 405
462 442 424 412 406
463 442 425 413 407
463 443 426 415 409
463 444 429 418 411 410
463 447 433 423 416 413 414 415 418 421
463 452 441 433 425 422 420 421 422 426 428
410 462 454 446 439 434 432 431 432 434 436 440 450
480 476 467 466 458 453 449 448 449 451 455 461 472
484 479 477 474 470 467 467 468 469 471 475 480
FIGURE B-18
SB-1776S-51



NOTE: CLADDING ON INSIDE SURFACES OF NOZZLE AND VESSEL WALL IS 3/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE.

FIGURE B-15

SB-17765-52



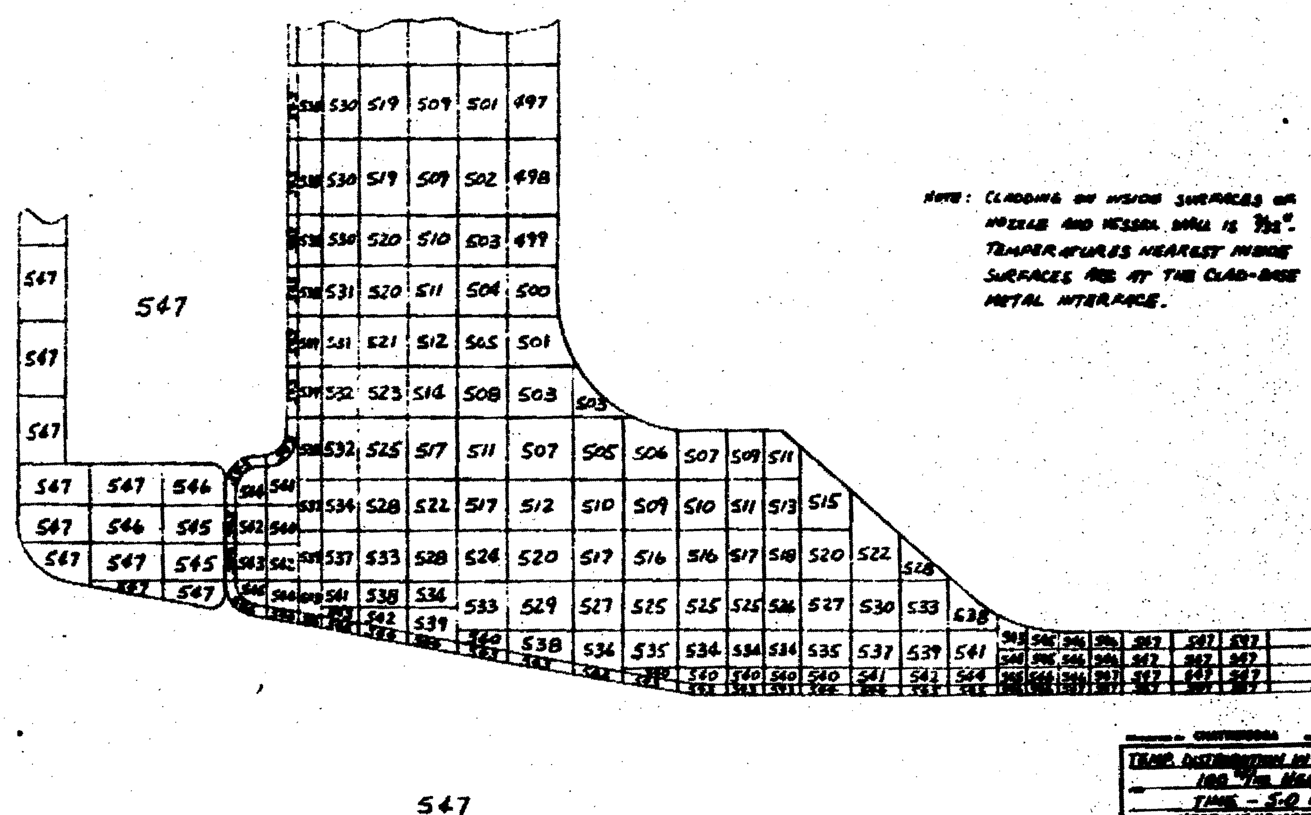
NOTE: CLADDING ON INSIDE SURFACES OF SPHERE AND VESSEL WALL IS 7/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE..

FIGURE B-

SB-11165-53

Submitted: December 27, 2011

RIV000053M



NOTE: CLADDING ON INSIDE SURFACES OF NOZZLE AND VESSEL WALL IS 7/32". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE.

FIGURE B-17

TEMP. DISTRIBUTION IN OUTLET NOZZLE
100 °F/HR HEATUP
TIME - 5.0 HR.
WESTINGHOUSE 400

SB-17765-54

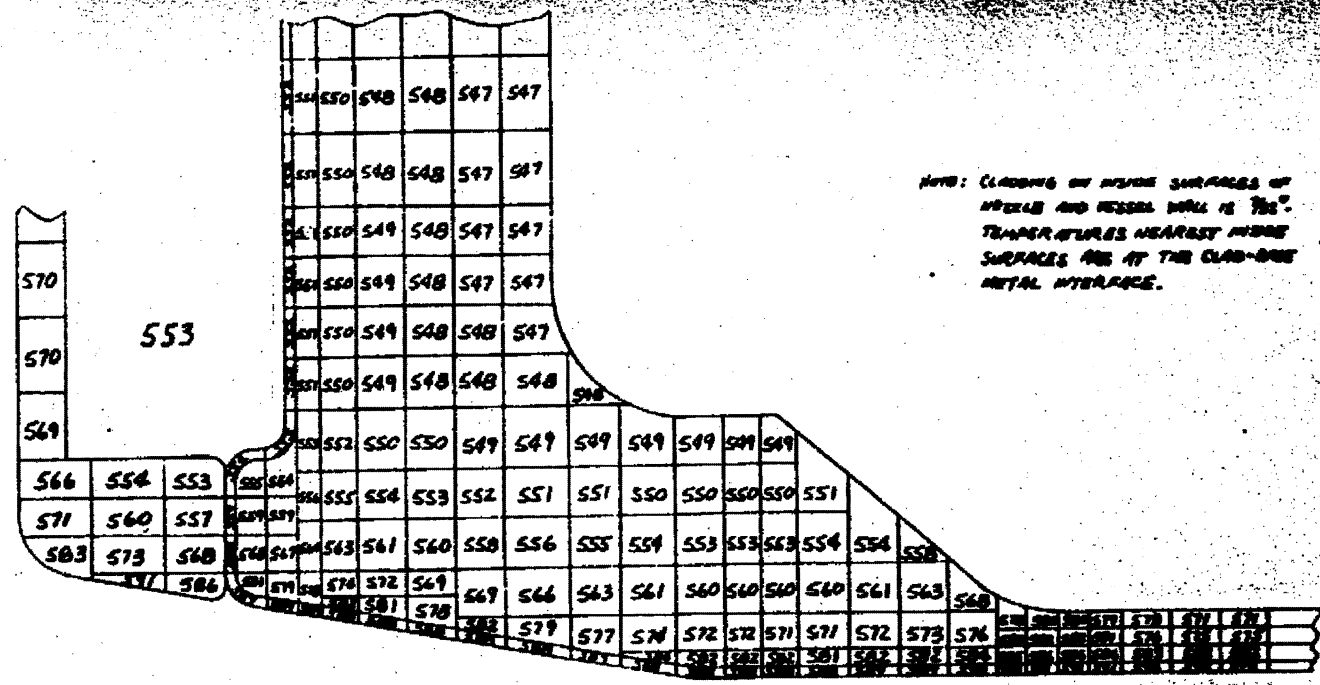


FIGURE B-16

58-17765-55

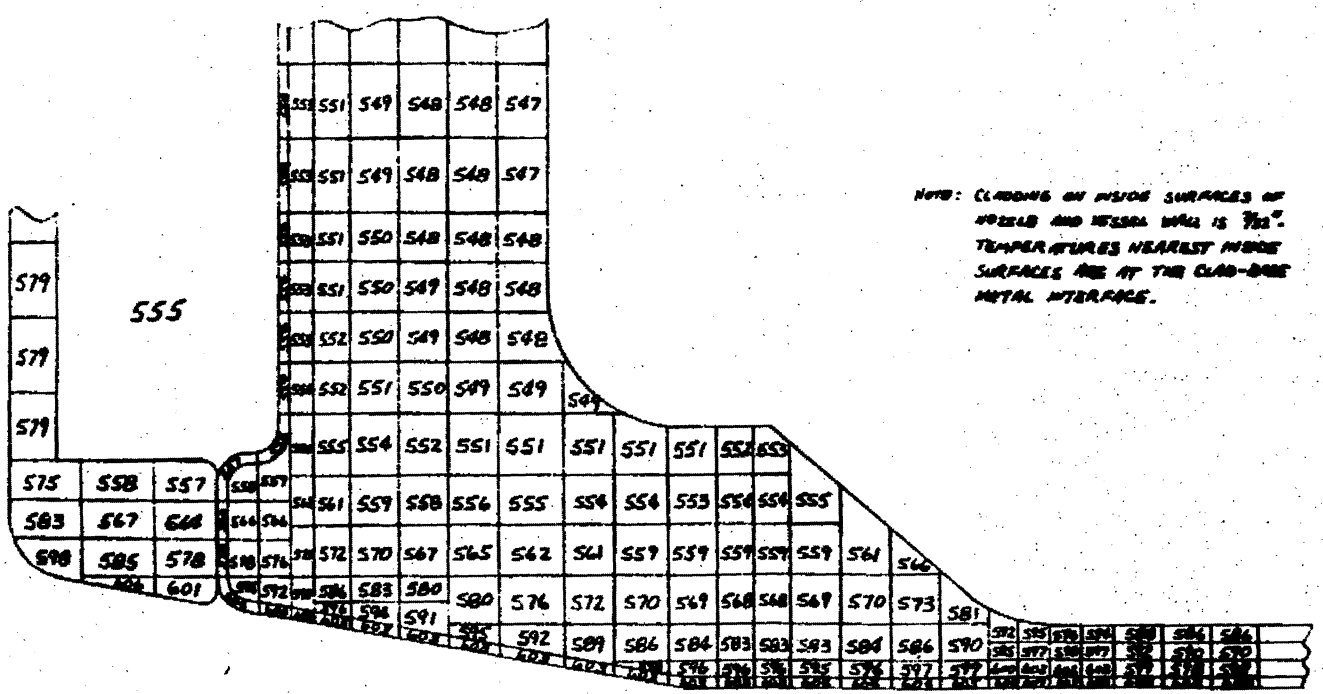


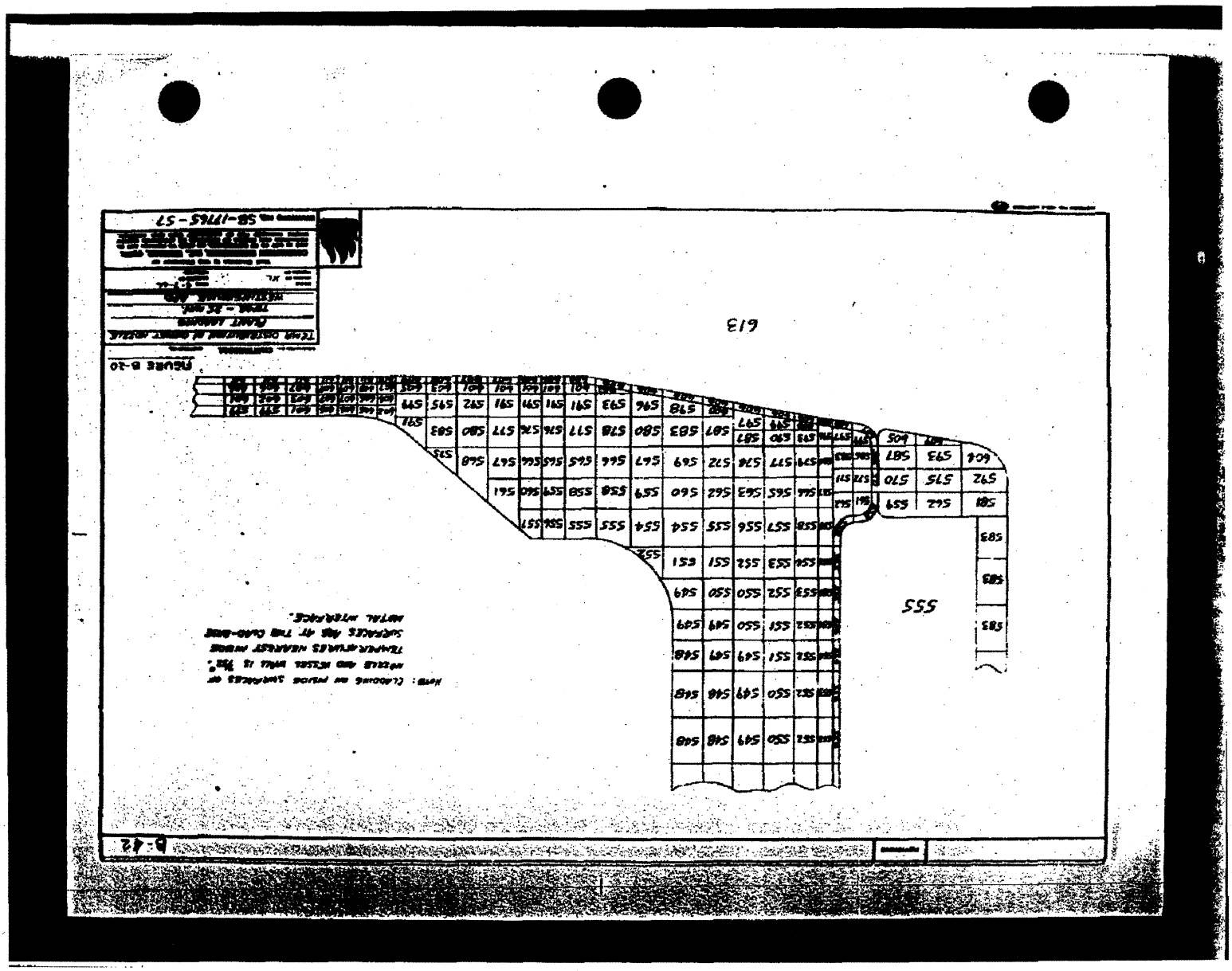
FIGURE B-11

TEMP. DISTRIBUTION IN OUTLET NOZZLE
PLANT ARRANG'T
TIME - 20 min.
NOZZLE No. 400

SB-17765-56

613

RIV000053M
Submitted: December 27, 2011



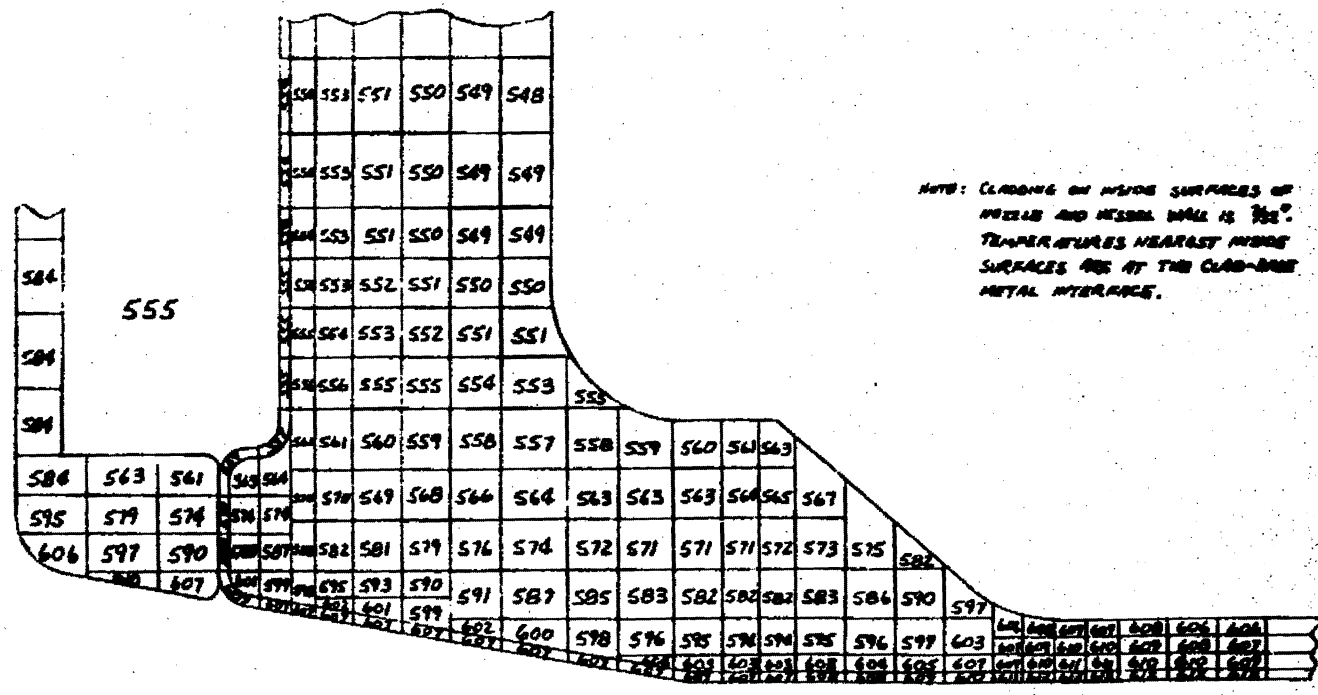
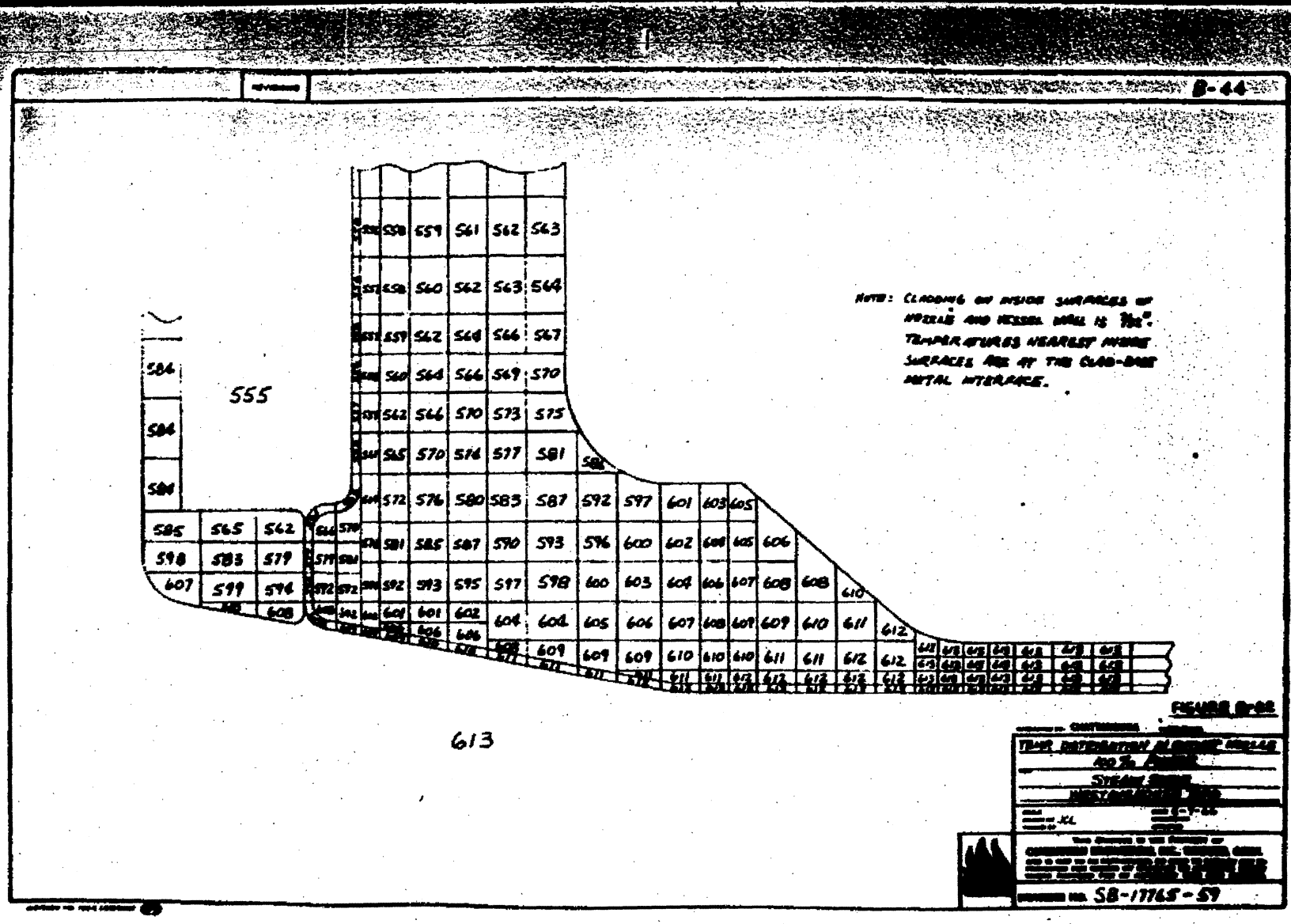


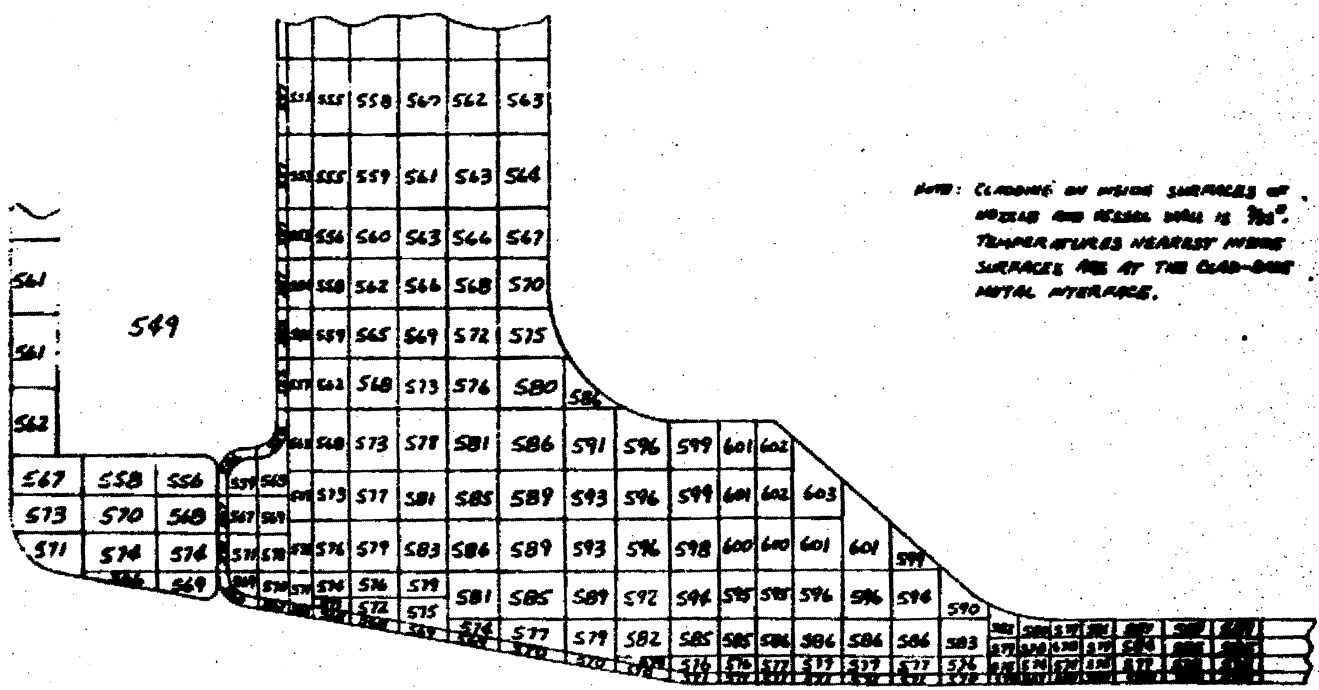
FIGURE B-21

613

TEMP. DISTRIBUTION AT OUTLET NOZZLE
PLANT LOADING
TIME - 30 MIN.
WESTINGHOUSE A&S

SB-17765-58





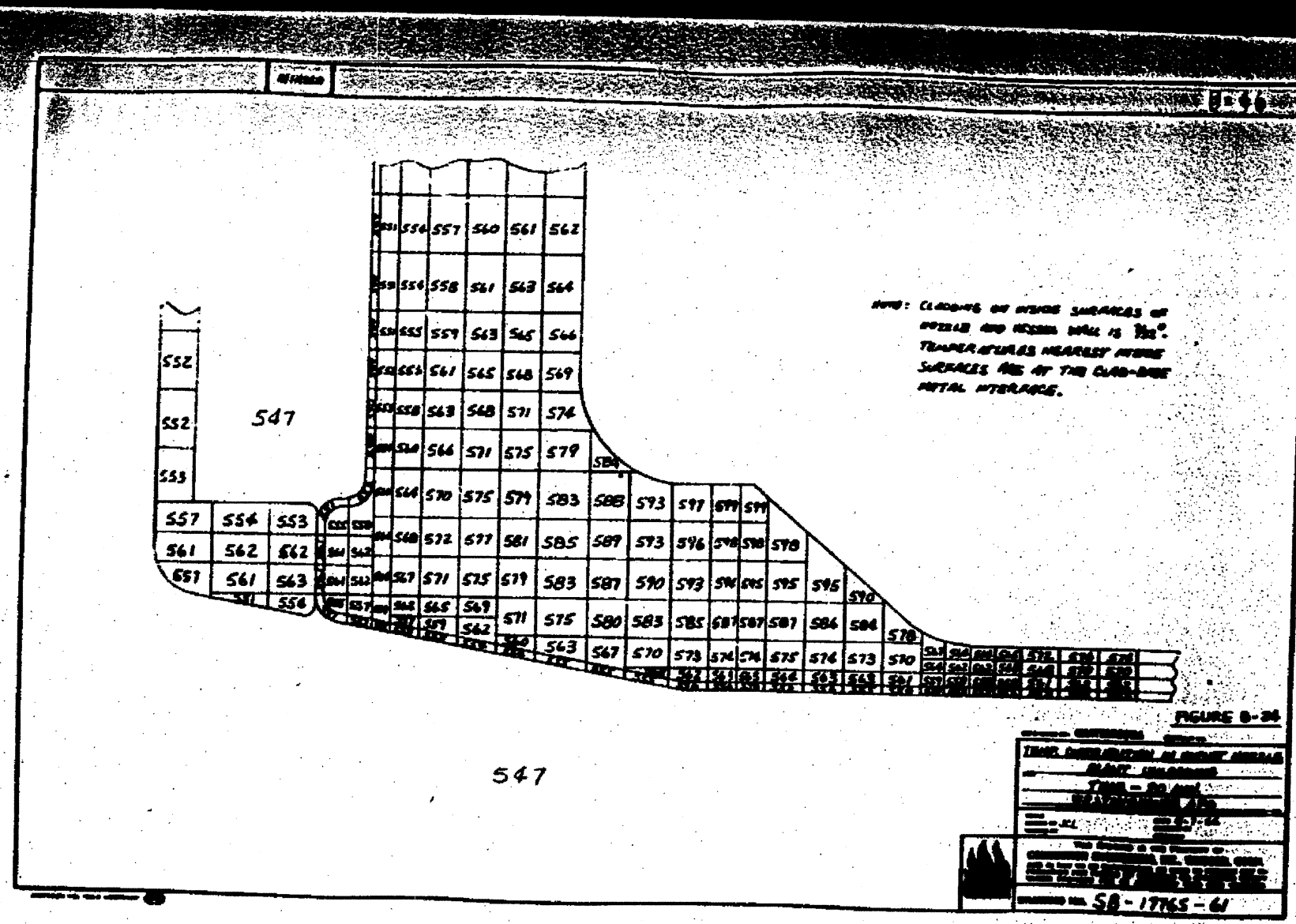
NOTE: CLADDING ON INSIDE SURFACES OF [illegible] IS 3/16". TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE.

FIGURE B-28

TEMP. DISTRIBUTION AT PERIOD ANNUAL FLIGHT MALFUNCTION

TANK - AT AREA

SB-17765-60



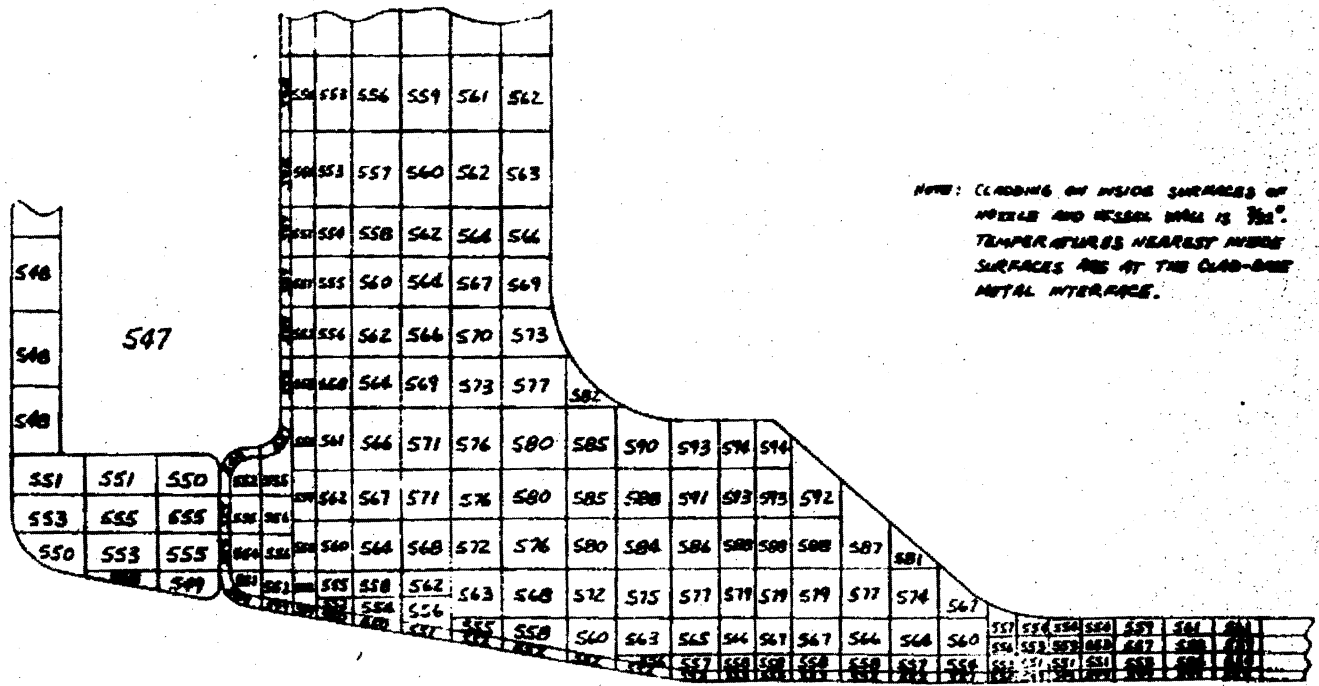


FIGURE B-25

TEMP. DISTRIBUTION AT END OF SERVICE
PLANT HARRIS
TYPE - 51 APM
WESTINGHOUSE
SB-17765-62