



SECTION A-A

| | | | | | | | | | | | | | |
|-----|-----|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 155 | 162 | 181 | 186 | 183 | 181 | 182 | 184 | 186 | 190 | 195 | 201 | 208 | 222 |
| | | 175 (177, 176, 175) / 173 | | | | | | | | | | | 220 |
| | | 196 (191), 189 (188) / 182, 183 | | | | | | | | | | | 224 |
| | | 232 (217), 203 (198) / 190, 195 | | | | | | | | | | | 235 |

| | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 494 | 488 | 487 | 483 | 474 | 467 | 463 | 413 | 224 | 280 | 231 | 221 |
| 498 | 499 | 498 | 495 | 489 | 478 | 465 | 448 | 348 | 302 | 246 | 230 |
| 505 | 502 | 501 | 500 | 491 | 481 | 471 | 447 | 359 | 314 | 256 | 237 |
| 512 | 511 | 511 | 508 | 501 | 491 | 481 | 447 | 366 | 321 | 262 | 243 |
| 522 | 521 | 521 | 518 | 511 | 501 | 491 | 447 | 370 | 325 | 265 | 246 |
| 527 | 527 | 527 | 524 | 517 | 507 | 497 | 447 | 373 | 328 | 268 | 248 |
| 532 | 532 | 532 | 529 | 522 | 512 | 502 | 447 | 376 | 330 | 270 | 250 |
| 537 | 537 | 537 | 534 | 527 | 517 | 507 | 447 | 377 | 331 | 272 | 252 |
| 542 | 542 | 542 | 539 | 532 | 522 | 512 | 447 | 376 | 331 | 272 | 253 |
| 547 | 547 | 547 | 544 | 537 | 527 | 517 | 447 | 373 | 329 | 272 | 253 |
| 552 | 552 | 552 | 549 | 542 | 532 | 522 | 447 | 367 | 326 | 271 | 255 |
| 557 | 557 | 557 | 554 | 547 | 537 | 527 | 447 | 358 | 322 | 270 | 253 |
| 562 | 562 | 562 | 559 | 552 | 542 | 532 | 447 | 305 | 260 | 234 | 215 |
| 567 | 567 | 567 | 564 | 557 | 547 | 537 | 447 | 161 | | | |



SECTION A-A

| | | | | | | | | | | | | | | | | |
|-----|-----|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 174 | 182 | 208 (208/188/185) 185 | 213 | 207 | 205 | 206 | 208 | 211 | 216 | 221 | 228 | 237 | 250 | 245 | 266 | 255 |
| | | 221 (216/213/208) 208 | | | | | | | | | | | | | | |
| | | 260 (260/257/250) 250 | | | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 422 | 523 | 512 | 517 | 509 | 497 | 478 | 449 | 370 | 313 | 261 | 250 | 181 |
| 518 | 518 | 527 | 517 | 508 | 495 | 478 | 449 | 389 | 337 | 278 | 260 | |
| 525 | 525 | 534 | 528 | 517 | 506 | 495 | 478 | 395 | 350 | 289 | 269 | |
| 527 | 527 | 537 | 532 | 523 | 513 | 504 | 495 | 402 | 357 | 296 | 275 | |
| 529 | 529 | 539 | 534 | 525 | 515 | 506 | 497 | 406 | 362 | 300 | 279 | |
| 531 | 531 | 541 | 536 | 527 | 517 | 508 | 499 | 407 | 365 | 303 | 282 | |
| 533 | 533 | 543 | 538 | 529 | 519 | 510 | 501 | 411 | 367 | 305 | 284 | |
| 535 | 535 | 545 | 540 | 531 | 521 | 512 | 503 | 412 | 368 | 307 | 286 | |
| 537 | 537 | 547 | 542 | 533 | 523 | 514 | 505 | 411 | 367 | 307 | 287 | |
| 539 | 539 | 549 | 544 | 535 | 525 | 516 | 507 | 408 | 365 | 307 | 288 | |
| 541 | 541 | 551 | 546 | 537 | 527 | 518 | 509 | 402 | 363 | 307 | 288 | |
| 543 | 543 | 553 | 548 | 539 | 529 | 520 | 511 | 389 | 358 | 306 | 287 | |
| 545 | 545 | 555 | 550 | 541 | 531 | 522 | 513 | 380 | 293 | 266 | 245 | |
| 547 | 547 | 557 | 552 | 543 | 533 | 524 | 515 | 360 | 299 | 274 | 259 | |
| 549 | 549 | 559 | 554 | 545 | 535 | 526 | 517 | 336 | | | | |

547

RIV000053M

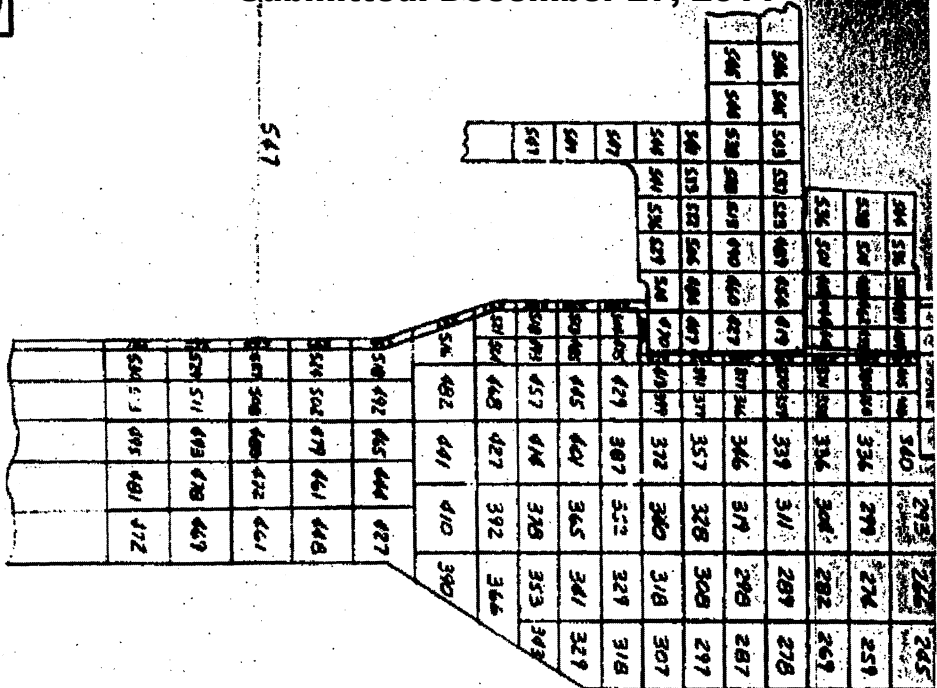
Submitted: December 27, 2011

CONSTRUCTION ENGINEERING, INC. WINDSOR, CANADA
 1000 GARDEN ST. WINDSOR, ONT. L9A 5K1
 TEL: (519) 253-1111 FAX: (519) 253-1112
 DRAWING NO. 50-17765-40

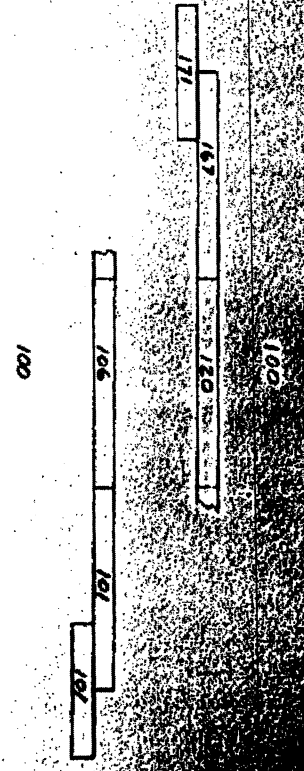


TEMPERATURE DISTRIBUTION AT HEAD
 AND VESSEL RANGES - 100" IN HEAD
 TIME - 5.0 HRS
 WESTINGHOUSE - APD
 DATE - 8-16-11
 DRAWN BY - JCL
 CHECKED BY - [Signature]

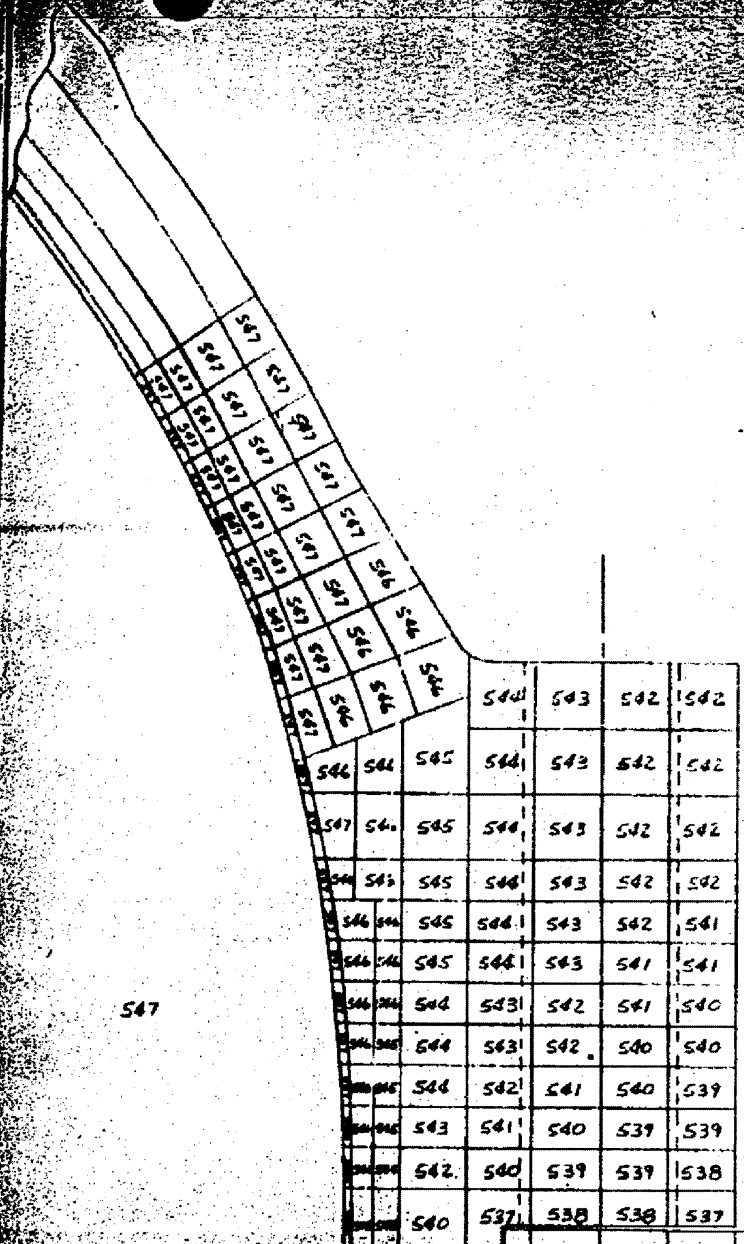
FIGURE B-4



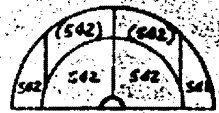
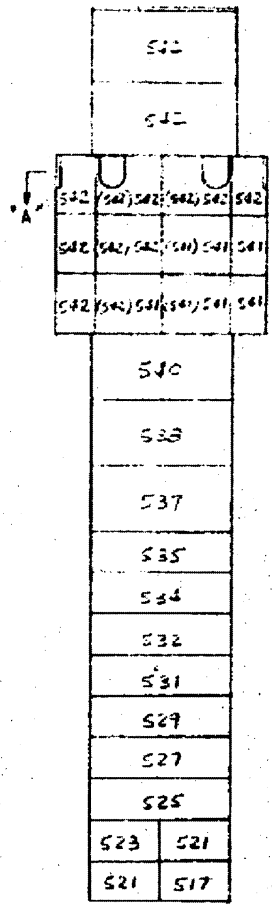
NOTE: LADING ON INSIDE SURFACES OF HEAD
 AND VESSEL RANGES IS 1/2". TEMPERATURES
 NEAREST INSIDE SURFACES ARE AT THE
 LAD - BASE METAL INTERFACE



B-26



| | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 547 | 546 | 545 | 544 | 543 | 542 | 529 | 521 | 511 | 491 |
| 546 | 545 | 544 | 543 | 542 | 541 | 529 | 522 | 514 | 505 |
| 546 | 545 | 544 | 543 | 542 | 541 | 530 | 524 | 518 | 512 |



SECTION A-A

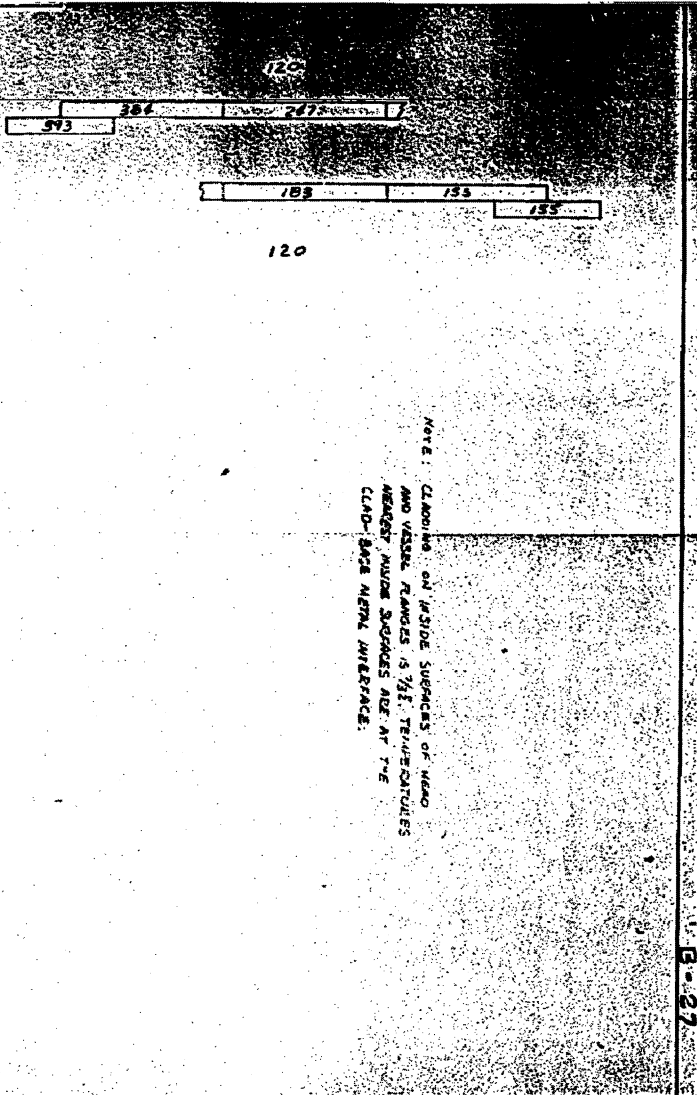
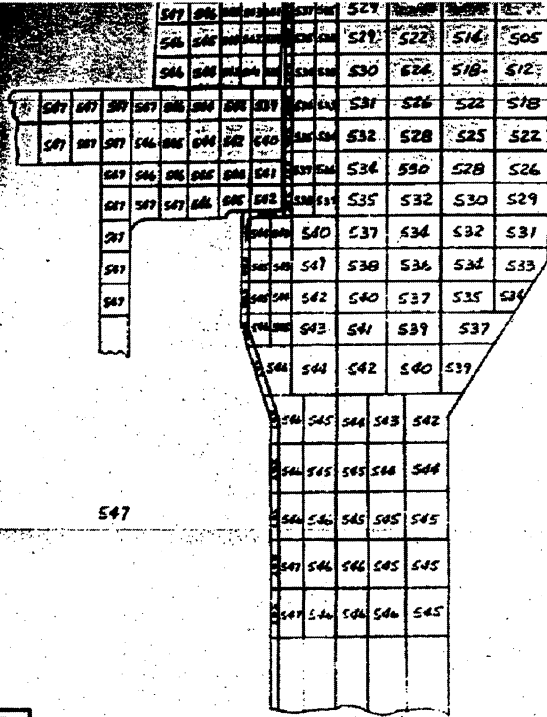


FIGURE B-5

THIS DRAWING IS THE PROPERTY OF THE U.S. GOVERNMENT AND IS TO BE REPRODUCED IN WHOLE OR IN PART FOR GOVERNMENT USE WITHOUT LIMITATION. NOTWITHSTANDING ANY COPYRIGHT NOTICES THAT MAY APPEAR HEREON, THIS DRAWING IS HEREBY RELEASED UNDER THE PUBLIC DOMAIN DESIGNATION OF THE U.S. GOVERNMENT.

DATE: 12/27/11

BY: [Signature]

FOR: [Signature]

PROJECT: [Signature]

SCALE: [Signature]

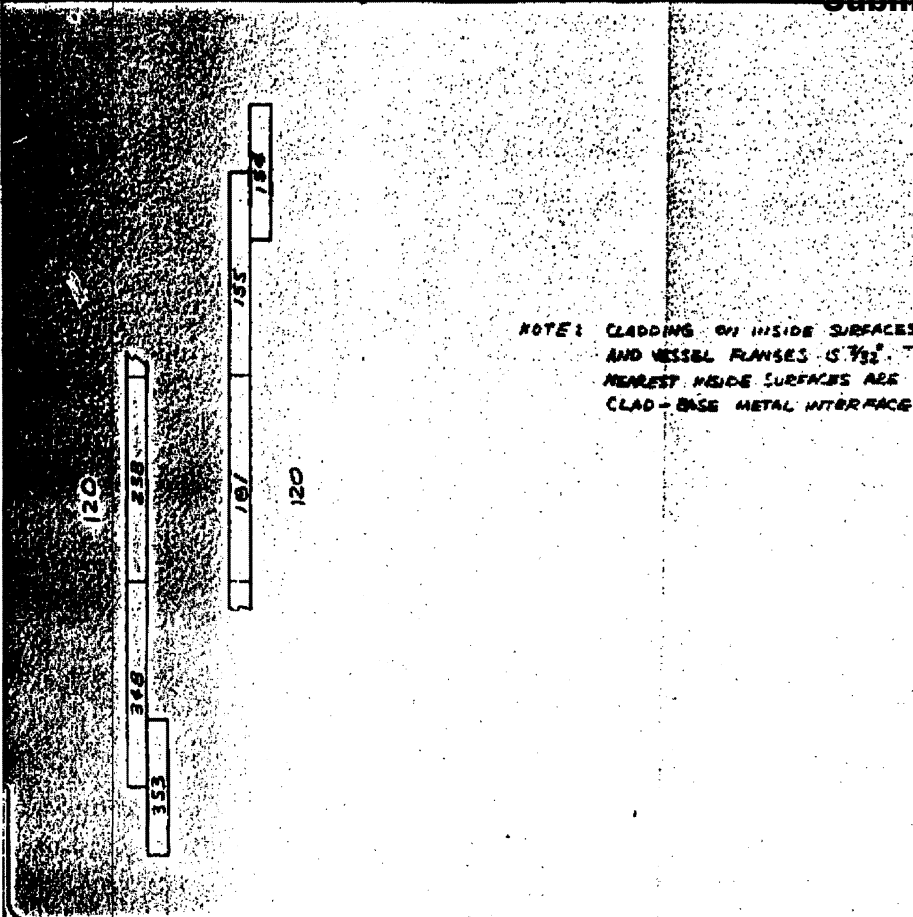
REVISIONS: [Signature]



SECTION A-A

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 502 | 496 | 477 (491) | 478 (492) | 479 (493) | 480 (494) | 481 (495) | 482 (496) | 483 (497) | 484 (498) | 485 (499) | 486 (500) | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 |
|-----|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|



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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 158 | 159 | 160 | 161 | 162 | 163 | 164 | 165 | 166 | 167 | 168 | 169 | 170 | 171 | 172 | 173 | 174 | 175 | 176 | 177 | 178 | 179 | 180 | 181 | 182 | 183 | 184 | 185 | 186 | 187 | 188 | 189 | 190 | 191 | 192 | 193 | 194 | 195 | 196 | 197 | 198 | 199 | 200 | 201 | 202 | 203 | 204 | 205 | 206 | 207 | 208 | 209 | 210 | 211 | 212 | 213 | 214 | 215 | 216 | 217 | 218 | 219 | 220 | 221 | 222 | 223 | 224 | 225 | 226 | 227 | 228 | 229 | 230 | 231 | 232 | 233 | 234 | 235 | 236 | 237 | 238 | 239 | 240 | 241 | 242 | 243 | 244 | 245 | 246 | 247 | 248 | 249 | 250 | 251 | 252 | 253 | 254 | 255 | 256 | 257 | 258 | 259 | 260 | 261 | 262 | 263 | 264 | 265 | 266 | 267 | 268 | 269 | 270 | 271 | 272 | 273 | 274 | 275 | 276 | 277 | 278 | 279 | 280 | 281 | 282 | 283 | 284 | 285 | 286 | 287 | 288 | 289 | 290 | 291 | 292 | 293 | 294 | 295 | 296 | 297 | 298 | 299 | 300 | 301 | 302 | 303 | 304 | 305 | 306 | 307 | 308 | 309 | 310 | 311 | 312 | 313 | 314 | 315 | 316 | 317 | 318 | 319 | 320 | 321 | 322 | 323 | 324 | 325 | 326 | 327 | 328 | 329 | 330 | 331 | 332 | 333 | 334 | 335 | 336 | 337 | 338 | 339 | 340 | 341 | 342 | 343 | 344 | 345 | 346 | 347 | 348 | 349 | 350 | 351 | 352 | 353 | 354 | 355 | 356 | 357 | 358 | 359 | 360 | 361 | 362 | 363 | 364 | 365 | 366 | 367 | 368 | 369 | 370 | 371 | 372 | 373 | 374 | 375 | 376 | 377 | 378 | 379 | 380 | 381 | 382 | 383 | 384 | 385 | 386 | 387 | 388 | 389 | 390 | 391 | 392 | 393 | 394 | 395 | 396 | 397 | 398 | 399 | 400 | 401 | 402 | 403 | 404 | 405 | 406 | 407 | 408 | 409 | 410 | 411 | 412 | 413 | 414 | 415 | 416 | 417 | 418 | 419 | 420 | 421 | 422 | 423 | 424 | 425 | 426 | 427 | 428 | 429 | 430 | 431 | 432 | 433 | 434 | 435 | 436 | 437 | 438 | 439 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 450 | 451 | 452 | 453 | 454 | 455 | 456 | 457 | 458 | 459 | 460 | 461 | 462 | 463 | 464 | 465 | 466 | 467 | 468 | 469 | 470 | 471 | 472 | 473 | 474 | 475 | 476 | 477 | 478 | 479 | 480 | 481 | 482 | 483 | 484 | 485 | 486 | 487 | 488 | 489 | 490 | 491 | 492 | 493 | 494 | 495 | 496 | 497 | 498 | 499 | 500 | 501 | 502 | 503 | 504 | 505 | 506 | 507 | 508 | 509 | 510 | 511 | 512 | 513 | 514 | 515 | 516 | 517 | 518 | 519 | 520 | 521 | 522 | 523 | 524 | 525 | 526 | 527 | 528 | 529 | 530 | 531 | 532 | 533 | 534 | 535 | 536 | 537 | 538 | 539 | 540 | 541 | 542 | 543 | 544 | 545 | 546 | 547 | 548 | 549 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|

FIGURE B-6

THE DRAWING MADE BY EASTMAN-KODAK DIVISION

TEMPERATURE DISTRIBUTION IN HEAD AND VESSEL FLANGES - 100% COAL OIL
 TMR - 4.0 MC
 BURNING HOUSE - APV

SCALE: 1" = 10" H.P.
 DRAWN BY: JCL
 CHECKED BY: [blank]
 DESIGNED BY: [blank]



THIS DRAWING IS THE PROPERTY OF COMBUSTION ENGINEERING, INC., WINGSBOROUGH, CONN. IT IS NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF COMBUSTION ENGINEERING, INC. OR EASTMAN-KODAK DIVISION.

DRAWING NO. SD-17765-42

REVISED



SECTION A-A

| | | | | | |
|-----|-----|-----|-----|-----|-----|
| 470 | 482 | 473 | 473 | 472 | 476 |
| 156 | 140 | 140 | 140 | 140 | 140 |
| 172 | 143 | 143 | 143 | 143 | 151 |
| 211 | | | | | |
| 165 | | | | | |
| 165 | | | | | |
| 163 | | | | | |
| 160 | | | | | |
| 157 | | | | | |
| 152 | | | | | |
| 145 | | | | | |
| 138 | | | | | |
| 128 | | | | | |
| 416 | 418 | | | | |
| 400 | 406 | | | | |

| | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 187 | 185 | 183 | 181 | 179 | 195 | 208 | 226 | 253 | 271 | 278 | 274 | 278 | 356 |
| 172 | 171 | 172 | 175 | 181 | 191 | 204 | 221 | 253 | 287 | 294 | 298 | 304 | 356 |
| 156 | 156 | 157 | 162 | 169 | 179 | 188 | 202 | 253 | 298 | 306 | 311 | 318 | 356 |
| 148 | 148 | 148 | 151 | 158 | 168 | 178 | 193 | 245 | 291 | 300 | 305 | 312 | 356 |
| 138 | 138 | 138 | 141 | 148 | 158 | 168 | 183 | 235 | 281 | 290 | 295 | 302 | 356 |
| 128 | 128 | 128 | 131 | 138 | 148 | 158 | 173 | 225 | 271 | 280 | 285 | 292 | 356 |
| 118 | 118 | 118 | 121 | 128 | 138 | 148 | 163 | 215 | 261 | 270 | 275 | 282 | 356 |
| 108 | 108 | 108 | 111 | 118 | 128 | 138 | 153 | 205 | 251 | 260 | 265 | 272 | 356 |
| 98 | 98 | 98 | 101 | 108 | 118 | 128 | 143 | 195 | 241 | 250 | 255 | 262 | 356 |
| 88 | 88 | 88 | 91 | 98 | 108 | 118 | 133 | 185 | 231 | 240 | 245 | 252 | 356 |
| 78 | 78 | 78 | 81 | 88 | 98 | 108 | 123 | 175 | 221 | 230 | 235 | 242 | 356 |
| 68 | 68 | 68 | 71 | 78 | 88 | 98 | 113 | 165 | 211 | 220 | 225 | 232 | 356 |
| 58 | 58 | 58 | 61 | 68 | 78 | 88 | 103 | 155 | 201 | 210 | 215 | 222 | 356 |
| 48 | 48 | 48 | 51 | 58 | 68 | 78 | 93 | 145 | 191 | 200 | 205 | 212 | 356 |
| 38 | 38 | 38 | 41 | 48 | 58 | 68 | 83 | 135 | 181 | 190 | 195 | 202 | 356 |
| 28 | 28 | 28 | 31 | 38 | 48 | 58 | 73 | 125 | 171 | 180 | 185 | 192 | 356 |
| 18 | 18 | 18 | 21 | 28 | 38 | 48 | 63 | 115 | 161 | 170 | 175 | 182 | 356 |
| 8 | 8 | 8 | 11 | 18 | 28 | 38 | 53 | 105 | 151 | 160 | 165 | 172 | 356 |

122

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

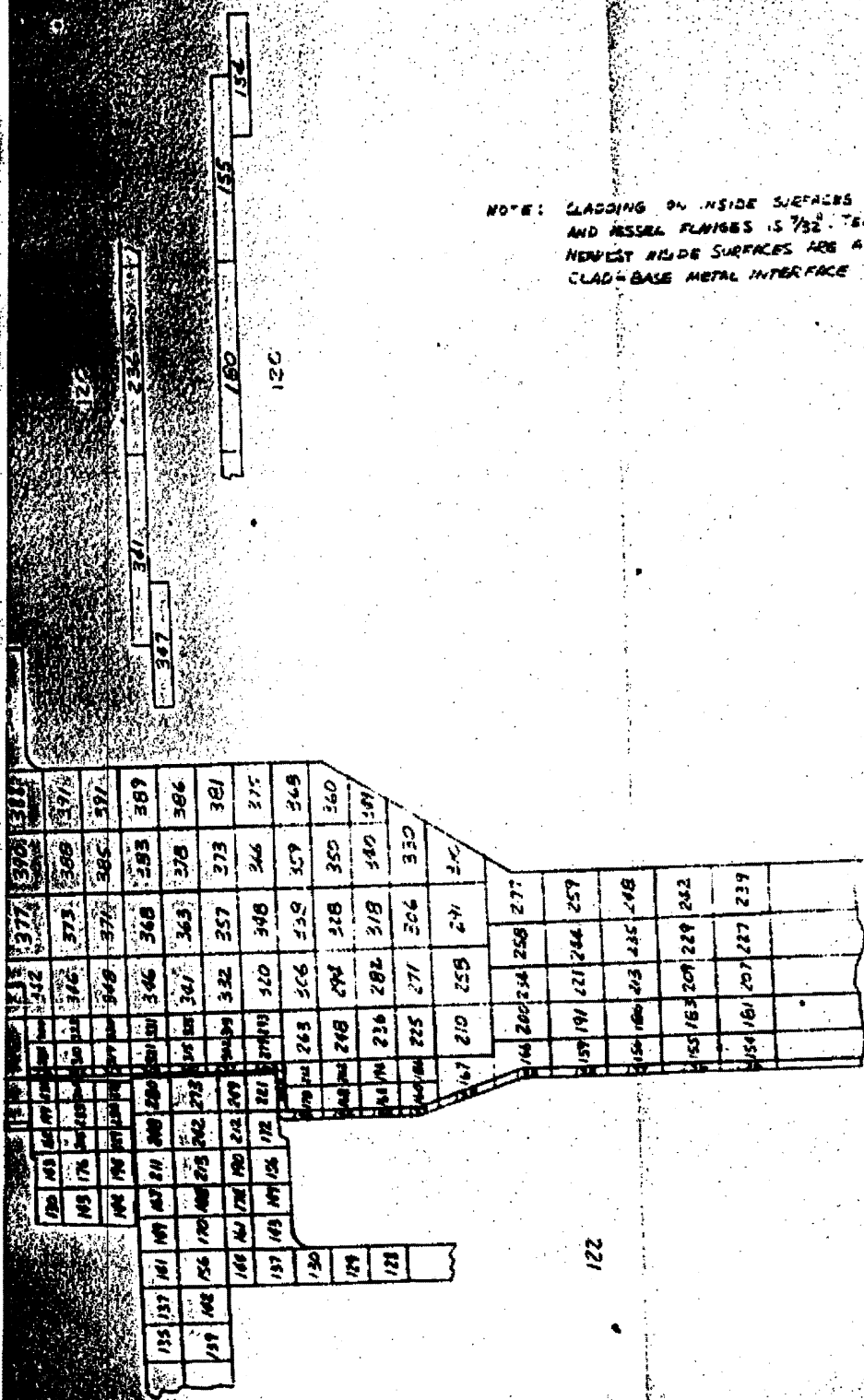


FIGURE B-7

TEMPERATURE MEASUREMENTS AT JESSEL FLANGES - 100% COOLING

TIME = 3.15 HRS

MEASUREMENTS - A-B

CONSTRUCTION ENGINEERING, INC. BRANSON, MISSOURI

SD-105-45

NOTE: CLADDING ON INSIDE SURFACES OF HEAD AND VESSEL FLANGES IS 792. TEMPERATURES NEAREST INSIDE SURFACES ARE AT THE CLAD-BASE METAL INTERFACE

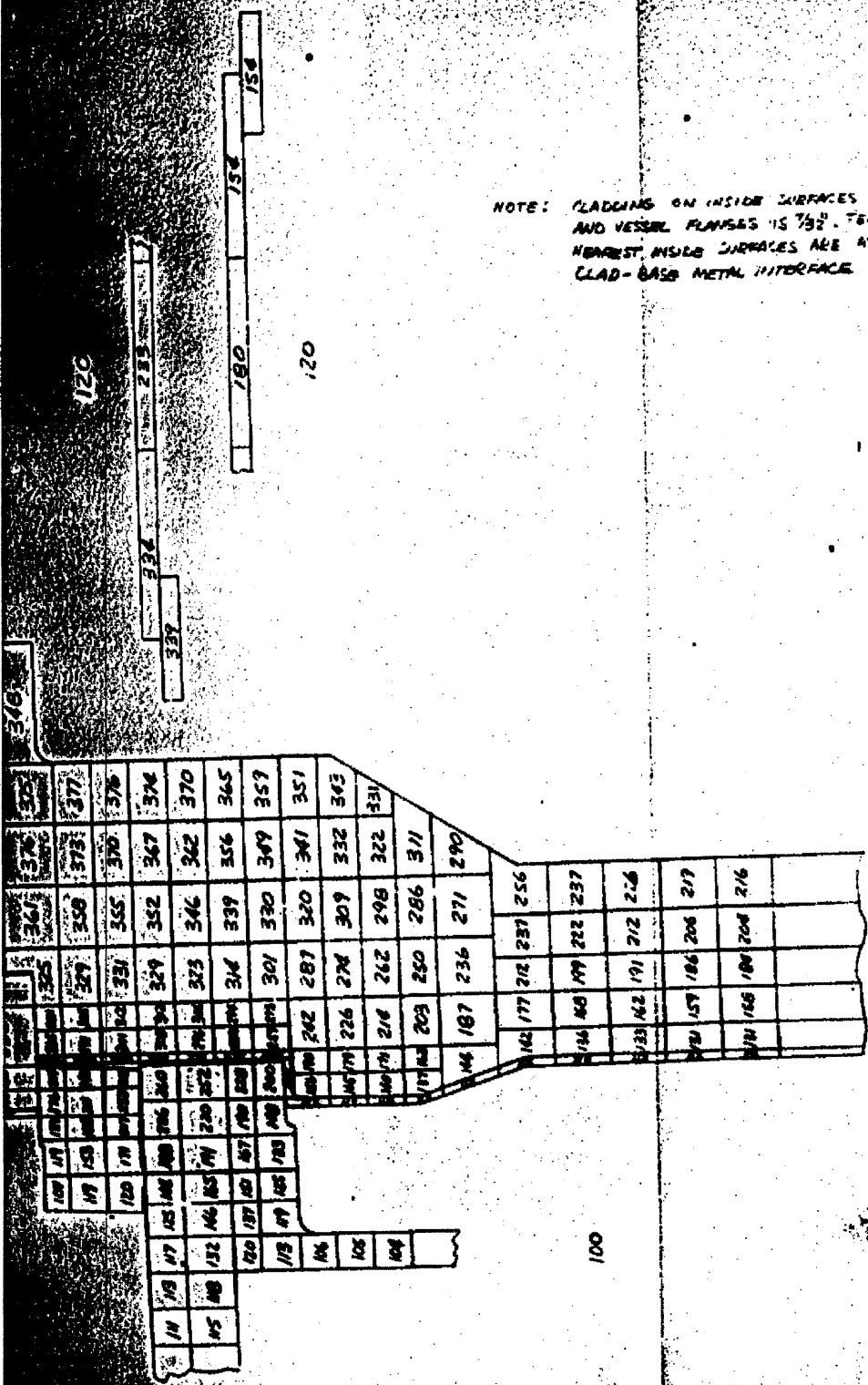


FIGURE B-8

TEMPERATURE DISTRIBUTION IN HEAD AND VESSEL FLANGES - 100% COOLING TIME - END OF SECTION 3.67 YES. NEGATIVE OVER-ABO

COMBUSTION ENGINEERING, INC. WINNEN, CONN.

SD-1765-14

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

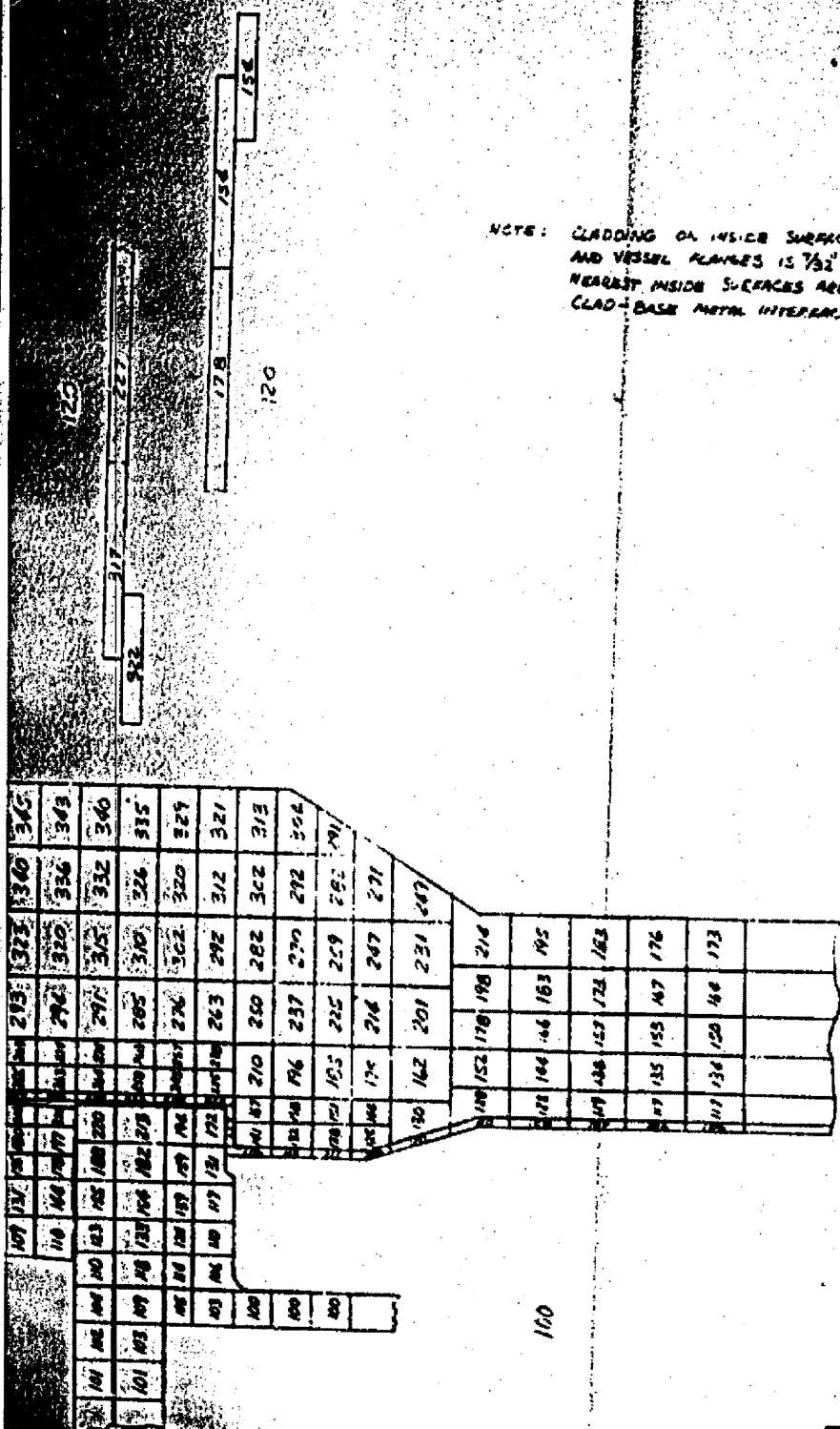


FIGURE B-9

THE DRAWING MADE BY CONSULTING ENGINEER

TEMPERATURE DISTRIBUTION OF HEAD AND VESSEL FLANGES - 400°F COOLING
 DATE - 2.6.50
 DRAWING NO. SD-17765-45

THE OFFICE OF THE PROPERTY OF
 COMBUSTION ENGINEERING, INC. WINDSOR, CANADA
 THIS IS NOT TO BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF COMBUSTION ENGINEERING, INC. WINDSOR, CANADA

Submitted: December 27, 2011

RLY000053M

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

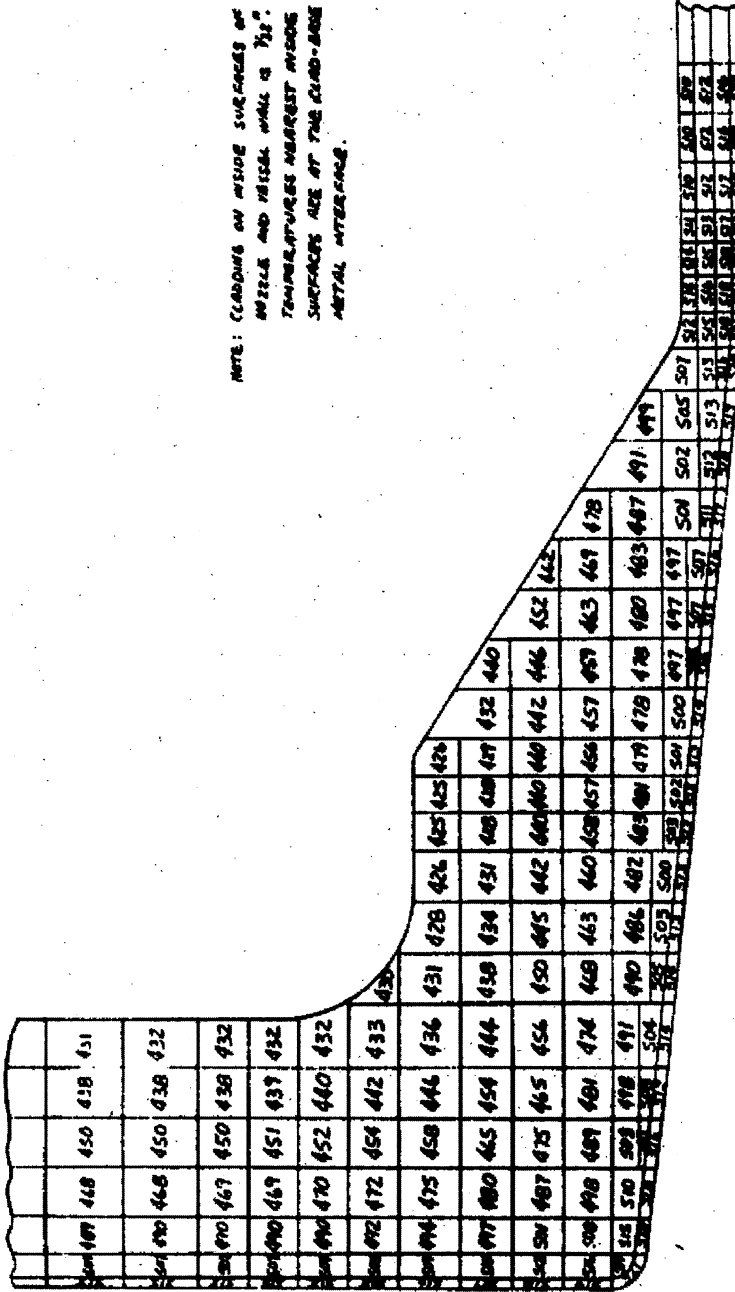


FIGURE 1

525

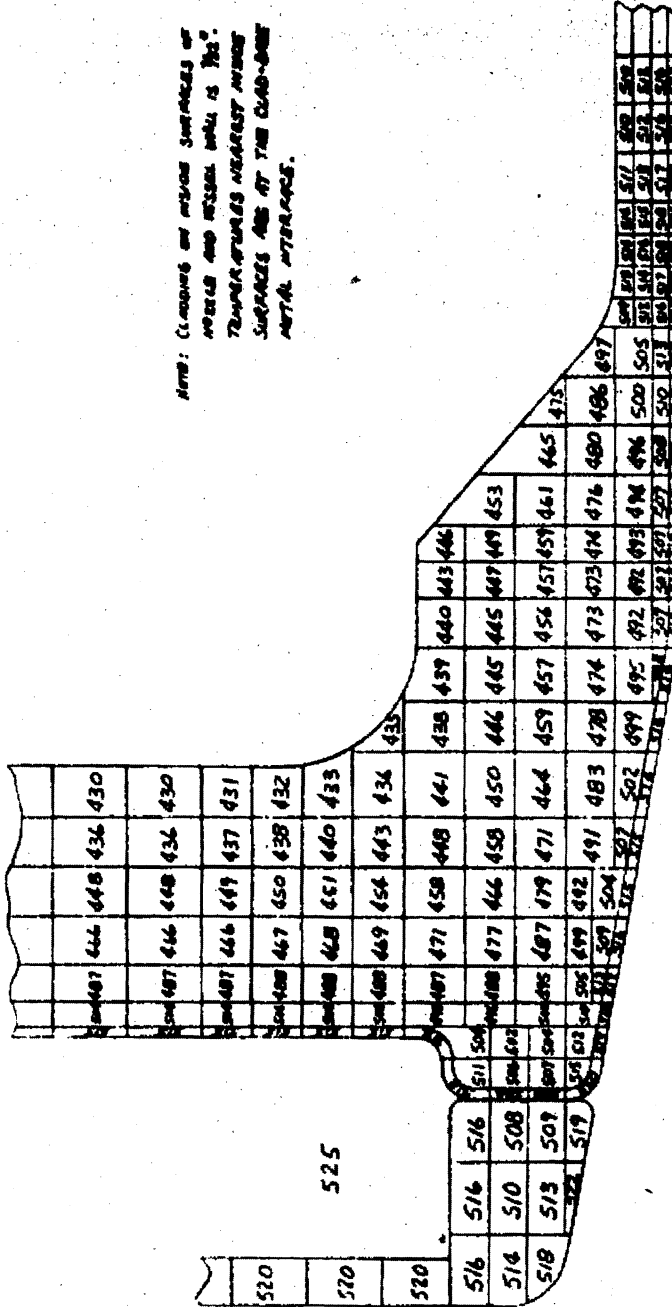
TEMPERATURE DISTRIBUTION IN
INLET NOZZLE - 100% OF AIR
TIME - 6.25 SEC
TEST NUMBER - 320
DATE - 12/27/11
BY - [Signature]

SAFETY DATA SHEET
Hazardous to Health
Hazardous to Environment
Hazardous to Water
Hazardous to Air
Hazardous to Land
Hazardous to Marine Life
Hazardous to Aquatic Life
Hazardous to Terrestrial Life
Hazardous to Birds
Hazardous to Fish
Hazardous to Invertebrates
Hazardous to Plants
Hazardous to Mammals
Hazardous to Reptiles
Hazardous to Amphibians
Hazardous to Mollusks
Hazardous to Crustaceans
Hazardous to Insects
Hazardous to Fungi
Hazardous to Bacteria
Hazardous to Viruses
Hazardous to Parasites
Hazardous to Protozoa
Hazardous to Microorganisms
Hazardous to Allergens
Hazardous to Carcinogens
Hazardous to Mutagens
Hazardous to Reproductive System
Hazardous to Developmental System
Hazardous to Endocrine System
Hazardous to Immune System
Hazardous to Nervous System
Hazardous to Respiratory System
Hazardous to Circulatory System
Hazardous to Digestive System
Hazardous to Excretory System
Hazardous to Reproductive System
Hazardous to Sensory System
Hazardous to Integumentary System
Hazardous to Musculoskeletal System
Hazardous to Locomotor System
Hazardous to Behavioral System
Hazardous to Psychological System
Hazardous to Societal System
Hazardous to Cultural System
Hazardous to Environmental System
Hazardous to Ecological System
Hazardous to Ecosystem System
Hazardous to Biosphere System
Hazardous to Geosphere System
Hazardous to Lithosphere System
Hazardous to Hydrosphere System
Hazardous to Atmosphere System
Hazardous to Cryosphere System
Hazardous to Biosphere System
Hazardous to Geosphere System
Hazardous to Lithosphere System
Hazardous to Hydrosphere System
Hazardous to Atmosphere System
Hazardous to Cryosphere System

FORM NO. SB-17765-48

B-37

Note: Readings on various surfaces of
metal and metal alloy is the
TEMPERATURES NEAREST HEAVY
SURFACES ARE AT THE CLAD-DOE
METAL INTERFACES.



525

TEMPERATURE MEASUREMENT DATA

TIME - 11:15 PM

DATE - 12/27/14

SCALE - 0-1000

UNIT - F

TYPE - C

TESTER - J.S.

REVIEWER - J.S.

INSTRUMENTS - 1111, 1112, 1113, 1114, 1115, 1116, 1117, 1118, 1119, 1120, 1121, 1122, 1123, 1124, 1125, 1126, 1127, 1128, 1129, 1130, 1131, 1132, 1133, 1134, 1135, 1136, 1137, 1138, 1139, 1140, 1141, 1142, 1143, 1144, 1145, 1146, 1147, 1148, 1149, 1150, 1151, 1152, 1153, 1154, 1155, 1156, 1157, 1158, 1159, 1160, 1161, 1162, 1163, 1164, 1165, 1166, 1167, 1168, 1169, 1170, 1171, 1172, 1173, 1174, 1175, 1176, 1177, 1178, 1179, 1180, 1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200



B-30

NOTE: CLADDING ON THESE SURFACES OF
WELLS AND BELLIES SHALL BE 7/8"
TEMPERATURES HIGHEST POINTS
SURFACES ARE AT THE CLAD-OUT
METAL APPEARANCE..

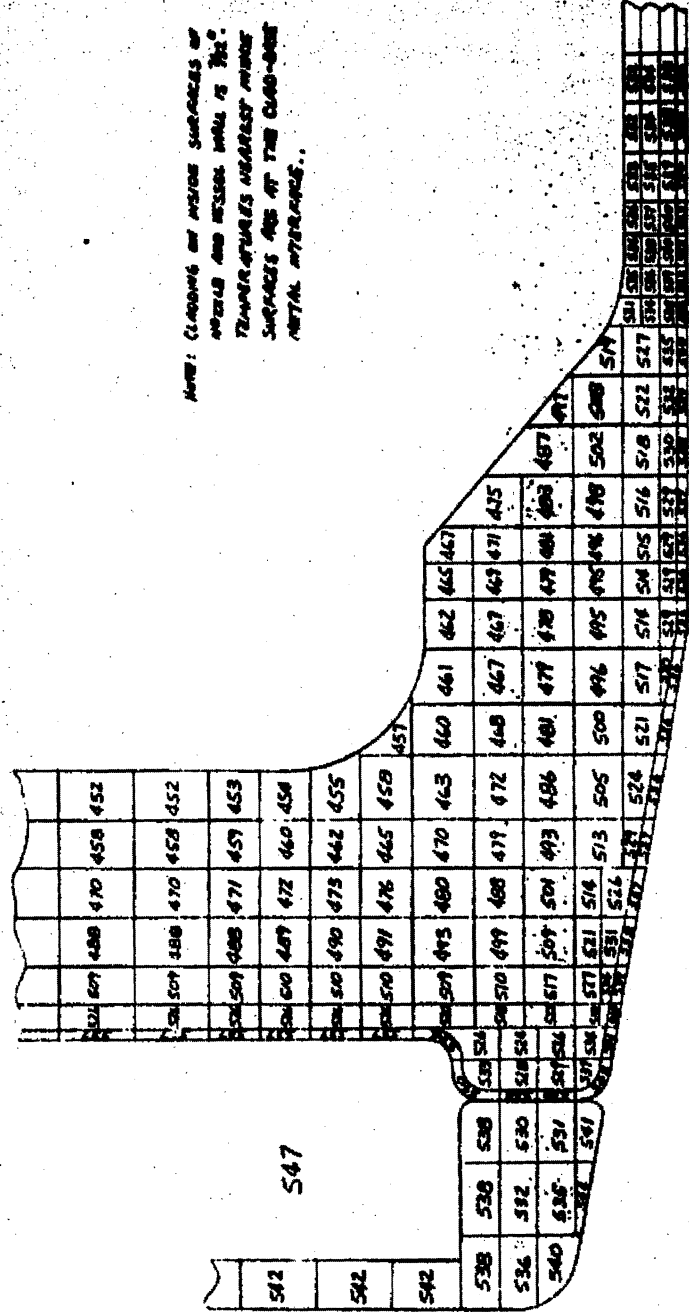


FIGURE 0-1

| |
|---|
| TEMP. DISTRIBUTION AT CLAD-OUT APPEARANCE |
| DATE OF MEASUREMENT: 12/27/11 |
| MEASUREMENTS BY: [REDACTED] |
| SCALE: [REDACTED] |
| PROJECT NO. SB-71165-53 |

547

B-39

NOTE: CLEARANCE ON INSIDE SURFACES OF
NOZZLE AND NOZZLE MOUTH IS 3/16".
TEMPERATURES NEAREST HEATING
SURFACES ARE AT THE CLAD-BOSS
METAL INTERFACE.

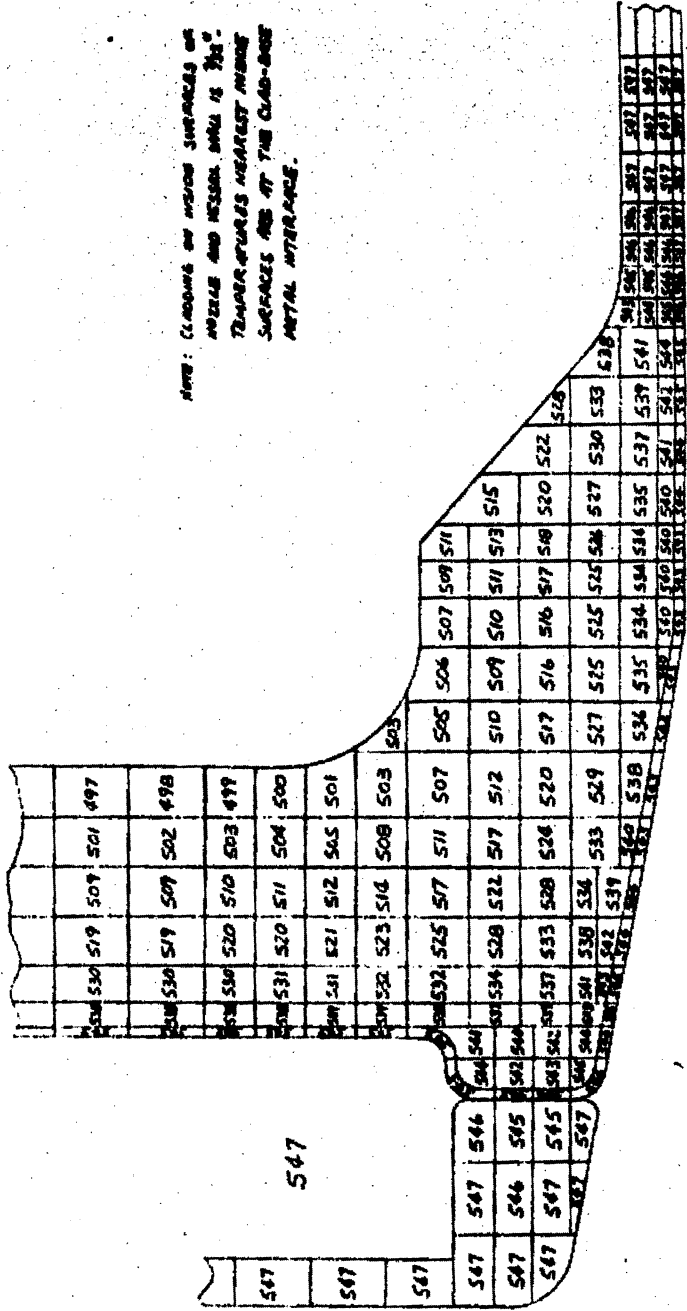


FIGURE B-17

TECHNICAL DRAWING INFORMATION

1/16" - 5/8" DIA.

RESISTANCE WELD

DATE: 12/27/11

DRAWN BY: [Signature]

CHECKED BY: [Signature]

APPROVED BY: [Signature]

PROJECT NO: SB-17765-54

547

SECTION B-4074

NOTE: CLIPPING ON MOUNT SURFACES OF
MOUNTS AND MOUNTS WITH IN THE
TEMPERATURES NEAREST MOUNT
SURFACES ARE AT THE CLIP-ON
MOUNT MOUNTAGE.

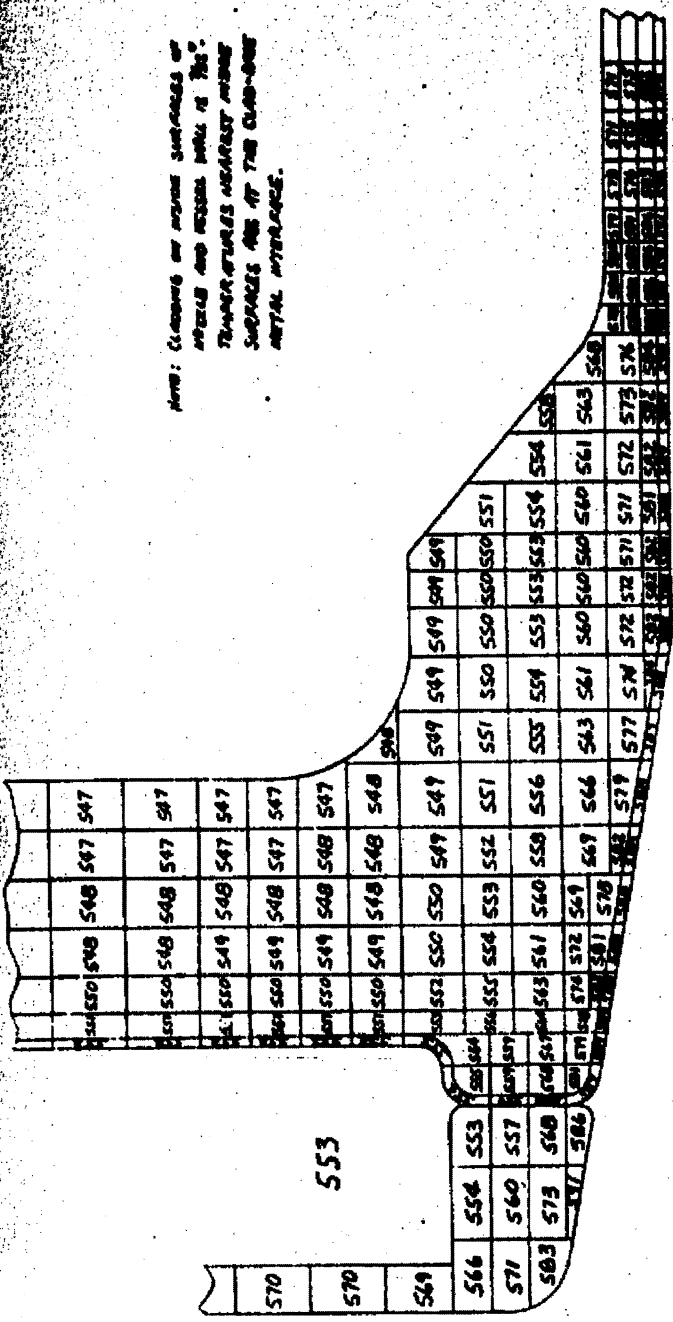


FIGURE B-10

TEMP. DISTRIBUTION AT MOUNT SURFACES

PLANT ADDRESS

DATE - 12/27/11

PROJECT NO. 58-17765-55

597

B-41

Note: Dimensions on mirror surfaces are parallel and normal only is 30°. TOLERANCES NEAREST MIRROR SURFACES ARE AT THE CLAD-BOND METAL INTERFACE.

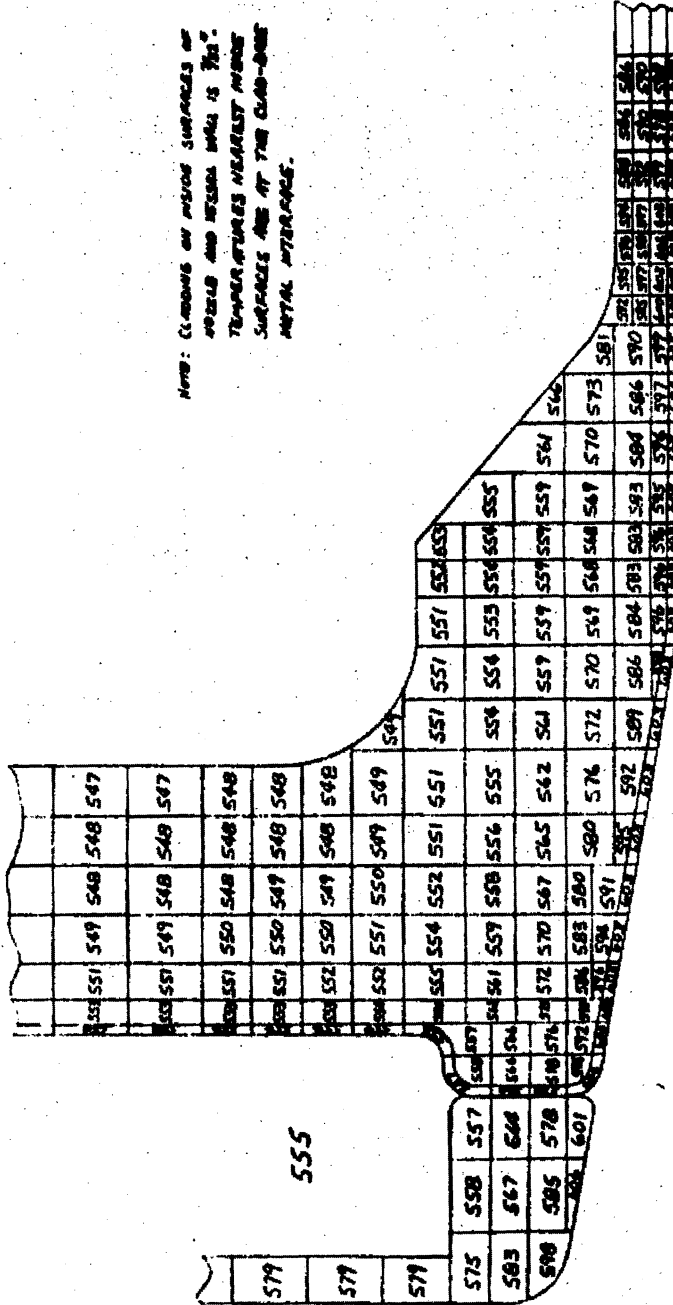
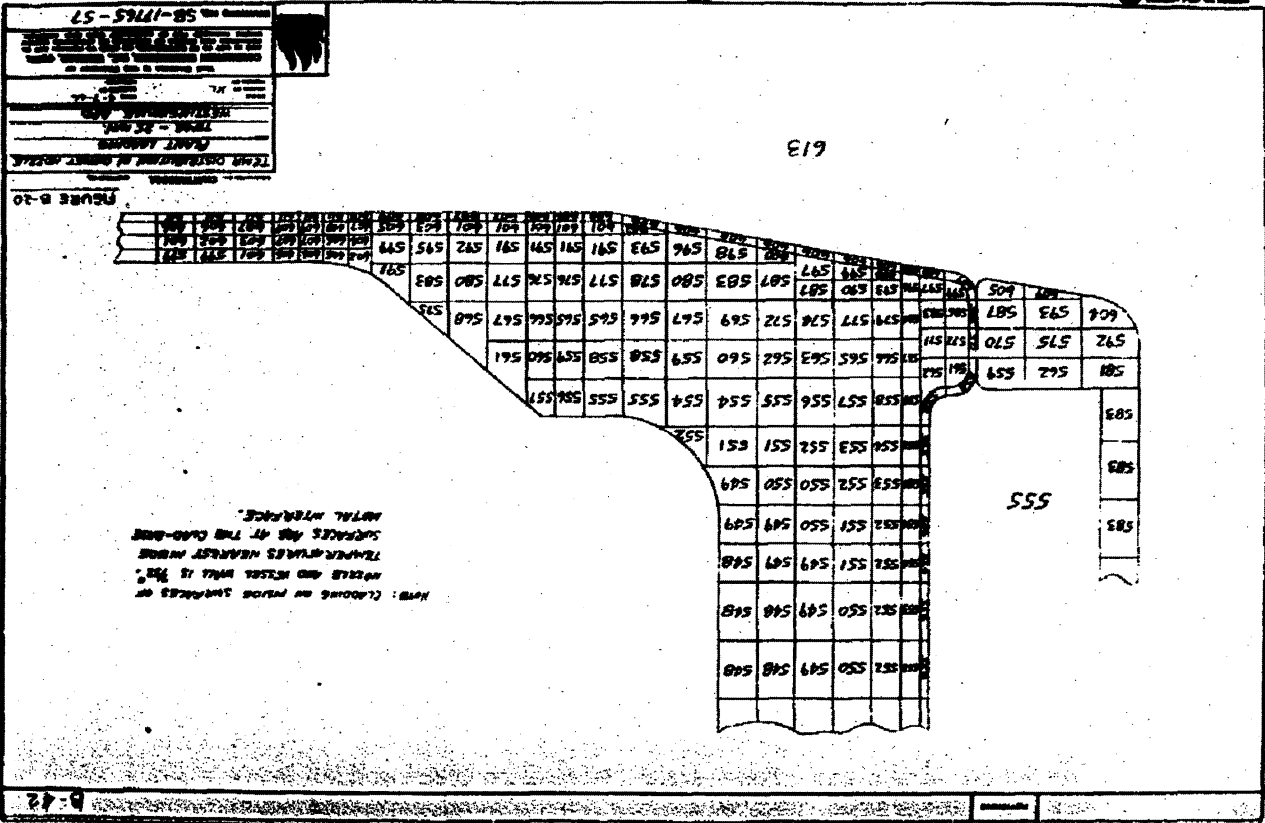


FIGURE 8-19

| | | |
|------|-------------|----------|
| ITEM | DESCRIPTION | ASSEMBLY |
| 1 | FRONT LENS | |
| 2 | FRONT LENS | |
| 3 | FRONT LENS | |
| 4 | FRONT LENS | |
| 5 | FRONT LENS | |
| 6 | FRONT LENS | |
| 7 | FRONT LENS | |
| 8 | FRONT LENS | |
| 9 | FRONT LENS | |
| 10 | FRONT LENS | |
| 11 | FRONT LENS | |
| 12 | FRONT LENS | |
| 13 | FRONT LENS | |
| 14 | FRONT LENS | |
| 15 | FRONT LENS | |
| 16 | FRONT LENS | |
| 17 | FRONT LENS | |
| 18 | FRONT LENS | |
| 19 | FRONT LENS | |
| 20 | FRONT LENS | |
| 21 | FRONT LENS | |
| 22 | FRONT LENS | |
| 23 | FRONT LENS | |
| 24 | FRONT LENS | |
| 25 | FRONT LENS | |
| 26 | FRONT LENS | |
| 27 | FRONT LENS | |
| 28 | FRONT LENS | |
| 29 | FRONT LENS | |
| 30 | FRONT LENS | |
| 31 | FRONT LENS | |
| 32 | FRONT LENS | |
| 33 | FRONT LENS | |
| 34 | FRONT LENS | |
| 35 | FRONT LENS | |
| 36 | FRONT LENS | |
| 37 | FRONT LENS | |
| 38 | FRONT LENS | |
| 39 | FRONT LENS | |
| 40 | FRONT LENS | |
| 41 | FRONT LENS | |
| 42 | FRONT LENS | |
| 43 | FRONT LENS | |
| 44 | FRONT LENS | |
| 45 | FRONT LENS | |
| 46 | FRONT LENS | |
| 47 | FRONT LENS | |
| 48 | FRONT LENS | |
| 49 | FRONT LENS | |
| 50 | FRONT LENS | |
| 51 | FRONT LENS | |
| 52 | FRONT LENS | |
| 53 | FRONT LENS | |
| 54 | FRONT LENS | |
| 55 | FRONT LENS | |
| 56 | FRONT LENS | |
| 57 | FRONT LENS | |
| 58 | FRONT LENS | |
| 59 | FRONT LENS | |
| 60 | FRONT LENS | |
| 61 | FRONT LENS | |
| 62 | FRONT LENS | |
| 63 | FRONT LENS | |
| 64 | FRONT LENS | |
| 65 | FRONT LENS | |
| 66 | FRONT LENS | |
| 67 | FRONT LENS | |
| 68 | FRONT LENS | |
| 69 | FRONT LENS | |
| 70 | FRONT LENS | |
| 71 | FRONT LENS | |
| 72 | FRONT LENS | |
| 73 | FRONT LENS | |
| 74 | FRONT LENS | |
| 75 | FRONT LENS | |
| 76 | FRONT LENS | |
| 77 | FRONT LENS | |
| 78 | FRONT LENS | |
| 79 | FRONT LENS | |
| 80 | FRONT LENS | |
| 81 | FRONT LENS | |
| 82 | FRONT LENS | |
| 83 | FRONT LENS | |
| 84 | FRONT LENS | |
| 85 | FRONT LENS | |
| 86 | FRONT LENS | |
| 87 | FRONT LENS | |
| 88 | FRONT LENS | |
| 89 | FRONT LENS | |
| 90 | FRONT LENS | |
| 91 | FRONT LENS | |
| 92 | FRONT LENS | |
| 93 | FRONT LENS | |
| 94 | FRONT LENS | |
| 95 | FRONT LENS | |
| 96 | FRONT LENS | |
| 97 | FRONT LENS | |
| 98 | FRONT LENS | |
| 99 | FRONT LENS | |
| 100 | FRONT LENS | |

613

SB-1765-56



B-43

NOTE: CLIPPING ON INSIDE SURFACES OF
 PRESSURE AND HEATING WALL AT 300°.
 TEMPERATURES NEAREST HEATING
 SURFACES ARE AT THE CLAD-TO-CLAD
 METAL INTERFACE.

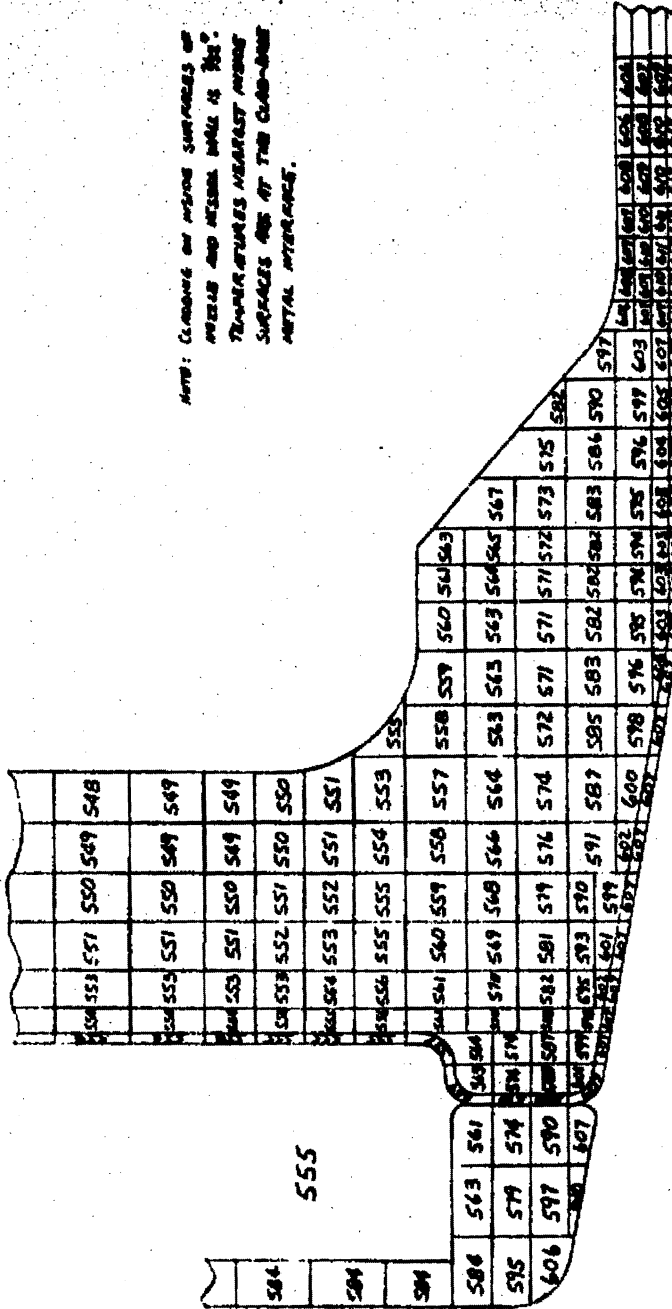


FIGURE B-21

CONTINUED

TRAMP DISTRIBUTION IN HEATING AREA

PLANT: LANSING

TRUSS - 30 AM

WESTINGHOUSE 750

DATE: 12/27/11

TIME: 14:00

BY: [Signature]

REVISIONS:

NO. 1: [Signature]

NO. 2: [Signature]

NO. 3: [Signature]

NO. 4: [Signature]

NO. 5: [Signature]

NO. 6: [Signature]

NO. 7: [Signature]

NO. 8: [Signature]

NO. 9: [Signature]

NO. 10: [Signature]

NO. 11: [Signature]

NO. 12: [Signature]

NO. 13: [Signature]

NO. 14: [Signature]

NO. 15: [Signature]

NO. 16: [Signature]

NO. 17: [Signature]

NO. 18: [Signature]

NO. 19: [Signature]

NO. 20: [Signature]

NO. 21: [Signature]

NO. 22: [Signature]

NO. 23: [Signature]

NO. 24: [Signature]

NO. 25: [Signature]

NO. 26: [Signature]

NO. 27: [Signature]

NO. 28: [Signature]

NO. 29: [Signature]

NO. 30: [Signature]

NO. 31: [Signature]

NO. 32: [Signature]

NO. 33: [Signature]

NO. 34: [Signature]

NO. 35: [Signature]

NO. 36: [Signature]

NO. 37: [Signature]

NO. 38: [Signature]

NO. 39: [Signature]

NO. 40: [Signature]

NO. 41: [Signature]

NO. 42: [Signature]

NO. 43: [Signature]

NO. 44: [Signature]

NO. 45: [Signature]

NO. 46: [Signature]

NO. 47: [Signature]

NO. 48: [Signature]

NO. 49: [Signature]

NO. 50: [Signature]

NO. 51: [Signature]

NO. 52: [Signature]

NO. 53: [Signature]

NO. 54: [Signature]

NO. 55: [Signature]

NO. 56: [Signature]

NO. 57: [Signature]

NO. 58: [Signature]

NO. 59: [Signature]

NO. 60: [Signature]

NO. 61: [Signature]

NO. 62: [Signature]

NO. 63: [Signature]

NO. 64: [Signature]

NO. 65: [Signature]

NO. 66: [Signature]

NO. 67: [Signature]

NO. 68: [Signature]

NO. 69: [Signature]

NO. 70: [Signature]

NO. 71: [Signature]

NO. 72: [Signature]

NO. 73: [Signature]

NO. 74: [Signature]

NO. 75: [Signature]

NO. 76: [Signature]

NO. 77: [Signature]

NO. 78: [Signature]

NO. 79: [Signature]

NO. 80: [Signature]

NO. 81: [Signature]

NO. 82: [Signature]

NO. 83: [Signature]

NO. 84: [Signature]

NO. 85: [Signature]

NO. 86: [Signature]

NO. 87: [Signature]

NO. 88: [Signature]

NO. 89: [Signature]

NO. 90: [Signature]

NO. 91: [Signature]

NO. 92: [Signature]

NO. 93: [Signature]

NO. 94: [Signature]

NO. 95: [Signature]

NO. 96: [Signature]

NO. 97: [Signature]

NO. 98: [Signature]

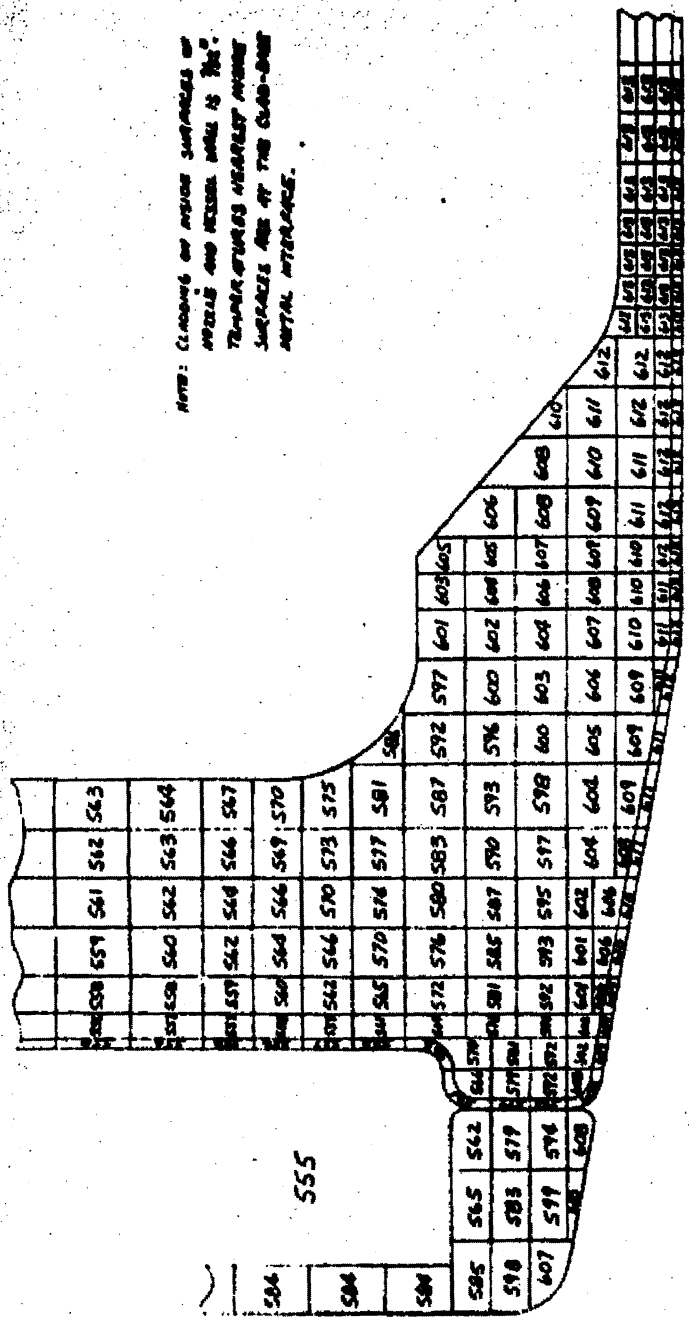
NO. 99: [Signature]

NO. 100: [Signature]

613

P-44

NOTE: Clearings on these surfaces are
 visible and record shall be the
 TEMPERATURES NEARBY ABOVE
 SURFACES ARE OF THE QUAD-ONE
 INITIAL INTERFERENCE.



CONTRACT NO. SB-177LS-57

STATE OF TEXAS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF METEOROLOGY

STATION NO. 577

DATE OF SURVEY 12/27/11

BY: J.L.

613

555

504

504

504

505 565 562
 598 583 579
 607 599 596
 608

B-45

NOTE: Computations are based on a 30-day average of
wind speed and direction data at 300'.
TEMPERATURES NEAREST WINDING
SOURCES ARE AT THE CLASS-OVER
AVGAL AIRSPACE.

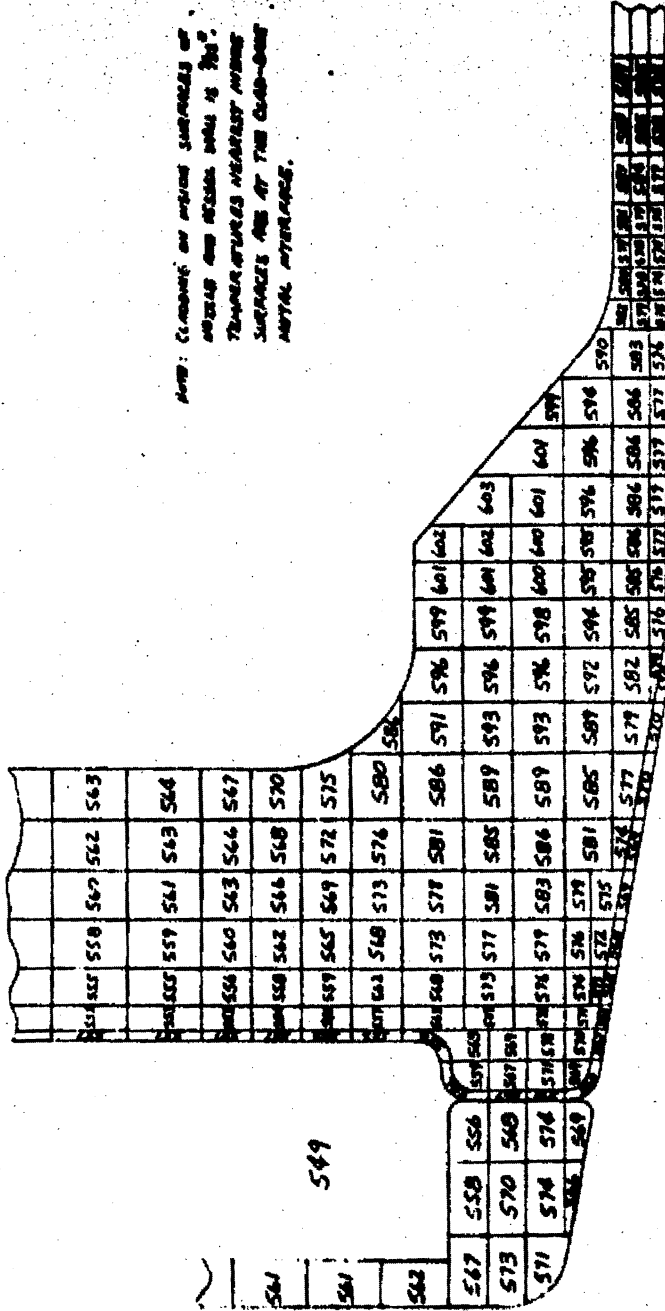


FIGURE B-28

CLASSIFICATION: UNCLASSIFIED
 SECURITY INFORMATION: NONE
 CONTROL: UNCLASSIFIED
 DATE: 11/27/11
 BY: [Redacted]
 FOR: [Redacted]
 TITLE: [Redacted]
 PROJECT: [Redacted]
 DRAWING NO: SB-17765-60

NOTE: CLIPPING OF THESE SUBORDINATES OF
 FEDERAL AND ARMY IS THE
 TEMPERATURES NEARBY ARE
 SUBJECTS ARE AT THE CLIP-BOARD
 INITIAL INTERLOCK.

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 552 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 | 560 | 561 | 562 | 563 | 564 | 565 | 566 | 567 | 568 | 569 | 570 | 571 | 572 | 573 | 574 | 575 | 576 | 577 | 578 | 579 | 580 | 581 | 582 | 583 | 584 | 585 | 586 | 587 | 588 | 589 | 590 | 591 | 592 | 593 | 594 | 595 | 596 | 597 | 598 | 599 | 600 | 601 | 602 | 603 | 604 | 605 | 606 | 607 | 608 | 609 | 610 | 611 | 612 | 613 | 614 | 615 | 616 | 617 | 618 | 619 | 620 | 621 | 622 | 623 | 624 | 625 | 626 | 627 | 628 | 629 | 630 | 631 | 632 | 633 | 634 | 635 | 636 | 637 | 638 | 639 | 640 | 641 | 642 | 643 | 644 | 645 | 646 | 647 | 648 | 649 | 650 | 651 | 652 | 653 | 654 | 655 | 656 | 657 | 658 | 659 | 660 | 661 | 662 | 663 | 664 | 665 | 666 | 667 | 668 | 669 | 670 | 671 | 672 | 673 | 674 | 675 | 676 | 677 | 678 | 679 | 680 | 681 | 682 | 683 | 684 | 685 | 686 | 687 | 688 | 689 | 690 | 691 | 692 | 693 | 694 | 695 | 696 | 697 | 698 | 699 | 700 | 701 | 702 | 703 | 704 | 705 | 706 | 707 | 708 | 709 | 710 | 711 | 712 | 713 | 714 | 715 | 716 | 717 | 718 | 719 | 720 | 721 | 722 | 723 | 724 | 725 | 726 | 727 | 728 | 729 | 730 | 731 | 732 | 733 | 734 | 735 | 736 | 737 | 738 | 739 | 740 | 741 | 742 | 743 | 744 | 745 | 746 | 747 | 748 | 749 | 750 | 751 | 752 | 753 | 754 | 755 | 756 | 757 | 758 | 759 | 760 | 761 | 762 | 763 | 764 | 765 | 766 | 767 | 768 | 769 | 770 | 771 | 772 | 773 | 774 | 775 | 776 | 777 | 778 | 779 | 780 | 781 | 782 | 783 | 784 | 785 | 786 | 787 | 788 | 789 | 790 | 791 | 792 | 793 | 794 | 795 | 796 | 797 | 798 | 799 | 800 | 801 | 802 | 803 | 804 | 805 | 806 | 807 | 808 | 809 | 810 | 811 | 812 | 813 | 814 | 815 | 816 | 817 | 818 | 819 | 820 | 821 | 822 | 823 | 824 | 825 | 826 | 827 | 828 | 829 | 830 | 831 | 832 | 833 | 834 | 835 | 836 | 837 | 838 | 839 | 840 | 841 | 842 | 843 | 844 | 845 | 846 | 847 | 848 | 849 | 850 | 851 | 852 | 853 | 854 | 855 | 856 | 857 | 858 | 859 | 860 | 861 | 862 | 863 | 864 | 865 | 866 | 867 | 868 | 869 | 870 | 871 | 872 | 873 | 874 | 875 | 876 | 877 | 878 | 879 | 880 | 881 | 882 | 883 | 884 | 885 | 886 | 887 | 888 | 889 | 890 | 891 | 892 | 893 | 894 | 895 | 896 | 897 | 898 | 899 | 900 | 901 | 902 | 903 | 904 | 905 | 906 | 907 | 908 | 909 | 910 | 911 | 912 | 913 | 914 | 915 | 916 | 917 | 918 | 919 | 920 | 921 | 922 | 923 | 924 | 925 | 926 | 927 | 928 | 929 | 930 | 931 | 932 | 933 | 934 | 935 | 936 | 937 | 938 | 939 | 940 | 941 | 942 | 943 | 944 | 945 | 946 | 947 | 948 | 949 | 950 | 951 | 952 | 953 | 954 | 955 | 956 | 957 | 958 | 959 | 960 | 961 | 962 | 963 | 964 | 965 | 966 | 967 | 968 | 969 | 970 | 971 | 972 | 973 | 974 | 975 | 976 | 977 | 978 | 979 | 980 | 981 | 982 | 983 | 984 | 985 | 986 | 987 | 988 | 989 | 990 | 991 | 992 | 993 | 994 | 995 | 996 | 997 | 998 | 999 | 1000 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|

FIGURE 0-24

| |
|--------------------------------|
| TEMPERATURES AT THE CLIP-BOARD |
| DATE: 12/27/11 |
| TIME: 10:00 AM |
| BY: [Signature] |
| SA-1765-6 |

547

B-47

NOTE: CLADDING ON INSIDE SURFACES OF
WELLS AND RISER IS 3/16".
TEMPERATURES MEASURED AT
SURFACES AND AT THE CLAD-PIPE
METAL INTERFACE.

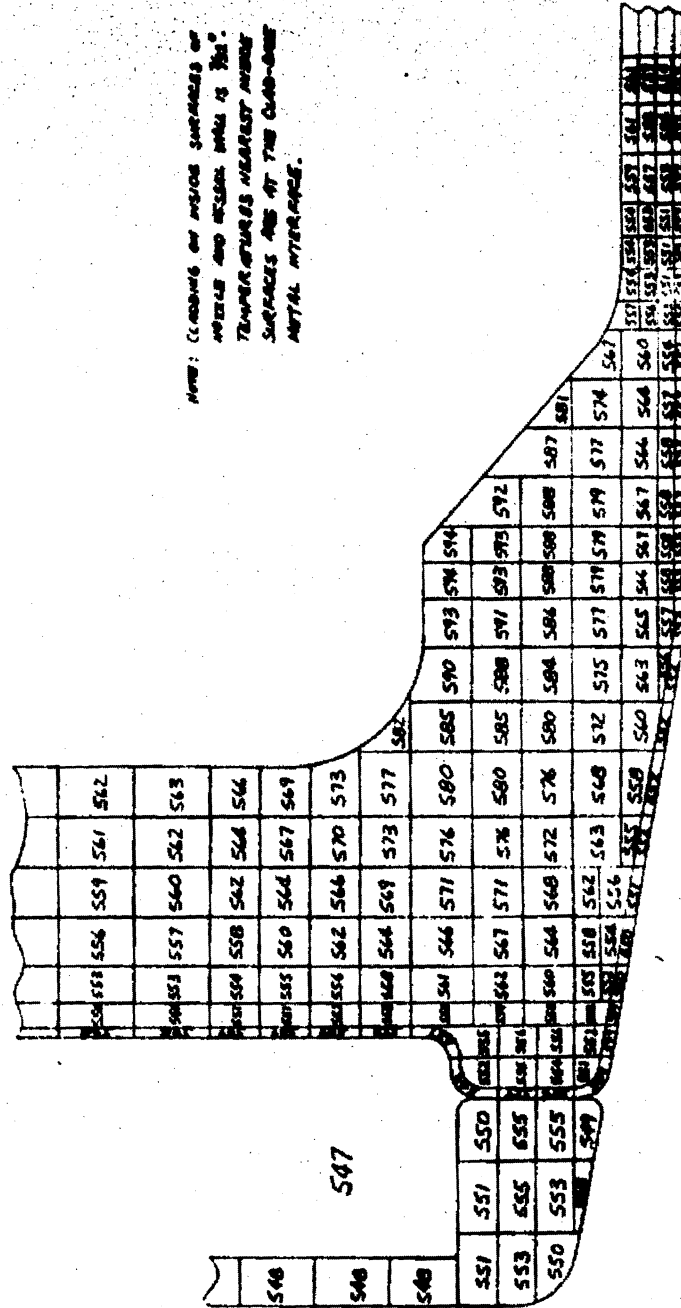


FIGURE B-25

TITLE: CLADDING ON INSIDE SURFACES OF WELLS AND RISER
 DRAWN BY: XXXXXXXXXX
 CHECKED BY: XXXXXXXXXX
 DATE: 12/27/11
 PROJECT: XXXXXXXXXX
 SHEET NO.: SB-17765-62

547

B-43

NOTE: CLIPPING ON ABOVE SURFACES OF
AIRFIELD AND AIRCRAFT SHALL BE THE
TEMPERATURES NEAREST ABOVE
SURFACE AND AT THE CLIP-ONE
AIRFIELD AIRFIELD.

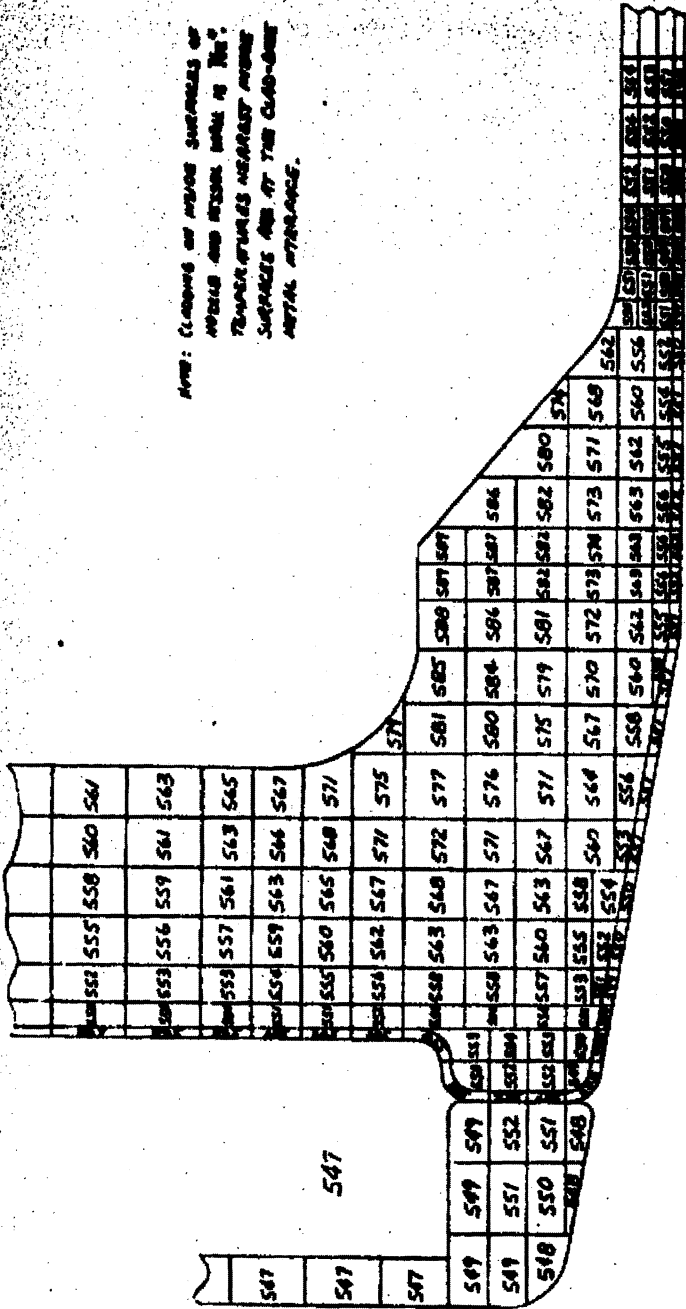


FIGURE B-29

THIS INSTRUMENT IS SUBJECT MATTER
 PLANT, AIRCRAFT
 TITLE - B-43
 DRAWING NO. SB-17765-63

547