

EQUIPMENT LIST

FURNACE
NUMBER

- *1002 LINDBURG GAS PIT:** 64" DIA X 80" DEEP
WORKING RANGE: 400 - 1260 F
2750 Class: 2
Instrument type: D SURVEY FREQUENCY: **Bi- Monthly**
***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**
- *1003 LINDBURG GAS PIT:** 64" DIA X 80" DEEP
WORKING RANGE: 400 – 1275 F
2750 Class: 2
Instrument type: D SURVEY FREQUENCY: **Bi-Monthly**
***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**
- *1008 LEEDS/NORTHRUP ELEC. PIT:** 27" DIAM X 30" DEEP
WORKING RANGE: 400 – 1260 F
2750 Class: 2
Instrument type: D SURVEY FREQUENCY: **Bi-Monthly**
***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**
- *1009 LEEDS/NORTHRUP ELEC. PIT:** 27" DIAM X 30" DEEP
WORKING RANGE: 400 – 1250 F
2750 Class: 2
Instrument type: D SURVEY FREQUENCY: **Bi- Monthly**
***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**
- *1006 PROGRAMMABLE
AUTOMATIC UPTON
SALT LINE:** 30"L X 22"W X 38" DEEP
WORKING RANGE: 1450 – 1650 F
SURVEY FREQUENCY: **Semi Annually**
2750 Class 5:
Instrument type: D
***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**
- *1007 AUTOMATIC UPTON
SALT QUENCH TANK:** 30"L X 22"W X 38" DEEP
WORKING RANGE: 350 – 720 F
2750 Class: 2
Instrument type: D SURVEY FREQUENCY: **Bi-Monthly**
***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

**FURNACE
NUMBER**

***1320 SURFACE COMBUSTION** 36" X 36" X 48"L
RADIANT BATCH FURNCE WORKING RANGE: 1175 (only) 1500 – 1900 F
(RTB):
 SURVEY FREQUENCY: **Semi Annually**

2750 Class: 5

Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6 &
 ONE TEST TEMPERATURE AT 1175 F +/-10F ONLY**

***1317 SURFACE COMBUSTION** 36"L X 36"W X 72" DEEP
INTERGRAL QUENCH WORKING RANGE: 1175 (only) 1500 – 1800 F
FURNACE (SUPER 36/72):

2750 Class: 5

SURVEY FREQUENCY: Semi Annually

Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6 &
 ONE TEST TEMPERATURE AT 1175 F +/-10F ONLY**

***1350 SURFACE COMBUSTION** 36"L X 36"W X 72" DEEP
INTERGRAL QUENCH WORKING RANGE: 1500 – 1800 F
FURNACE (SUPER 36/72):

2750 Class: 5

SURVEY FREQUENCY: Semi Annually

Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6 &**

***1340 SURFACE COMBUSTION** 36"L X 36"W X 72" DEEP
TEMPERING FURNACE: WORKING RANGE: 400 – 1350 F

2750 Class: 2

SURVEY FREQUENCY: Bi- Monthly

Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***1345 SURFACE COMBUSTION** 36"L X 36"W X 72" DEEP
TEMPERING FURNACE: WORKING RANGE: 400 – 1350 F

2750 Class: 2

SURVEY FREQUENCY: Bi- Monthly

Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***1316 SURFACE COMBUSTION** 36"L X 36"W X 72" DEEP
TEMPERING FURNACE: WORKING RANGE: 400 – 1325 F

2750 Class: 2

SURVEY FREQUENCY: Bi- Monthly

Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***1319 SURFACE COMBUSTION TEMPERING FURNACE:** 36”L X 36”W X 72” DEEP
WORKING RANGE: 400 – 1325 F

2750 Class: 2 SURVEY FREQUENCY: **Bi- Monthly**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

2750 Class: 5
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***101 PIT TYPE FURNACE:** 14” DIA X 24” LONG
WORKING RANGE: 400 - 1150 F
RECIRCULATING AIR

2750 Class: 2 SURVEY FREQUENCY: **Bi- Monthly**
Instrument type: D

***102 PIT TYPE FURNACE:** 16” DIA X 24” DEEP
WORKING RANGE: 400 - 1300 F

2750 Class: 2 SURVEY FREQUENCY: **Bi- Monthly**
Instrument type: D

***110 PIT TYPE FURNACE** 22” DIA X 24” DEEP
WORKING RANGE: 400 - 1250 F

2750 Class: 2 SURVEY FREQUENCY: **Bi- Monthly**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***105 PIT TYPE TEMPERING FURNACE** 47” DIA X 60” DEEP
WORKING RANGE: 400 – 1250 F

2750 Class: 2 SURVEY FREQUENCY: **Bi- Monthly**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***313 ALLCASE TEMPERING FURNACE:** 24” X 24” X 36” L
WORKING RANGE: 400 – 1260 F

2750 Class: 2 SURVEY FREQUENCY: **Bi- Monthly**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***314 ALLCASE TEMPERING FURNACE:** 24” X 24” X 36” L
WORKING RANGE: 400 – 1275 F

2750 Class: 2 SURVEY FREQUENCY: **Bi- Monthly**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***316 ALLCASE TEMPERING FURNACE:** 30" X 30" X 48" L
WORKING RANGE: 400 – 1260 F

2750 Class: 2

Instrument type: D

SURVEY FREQUENCY: BI- Monthly

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***319 ALLCASE TEMPERING FURNACE:** 30" X 30" X 48" L
WORKING RANGE: 400 – 1250 F

2750 Class: 2

Instrument type: D

SURVEY FREQUENCY: Bi- Monthly

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***107 NITRATE SALT BATH:** 18" W X 30" L X 28" D
WORKING RANGE: 350 – 725 F

2750 Class: 2

Instrument type: D

SURVEY FREQUENCY: Bi-Monthly

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***108 NEUTRAL SALT BATH:** 18" DIA X 20" DEEP
WORKING RANGE: 1450 – 1650 F

2750 Class: 5

Instrument type: D

SURVEY FREQUENCY: Semi Annually

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***109 NEUTRAL SALT BATH:** 24" DIA X 24" DEEP
WORKING RANGE: 1450 – 1650 F

2750 Class: 5

Instrument type: D

SURVEY FREQUENCY: Semi Annually

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***311 STANDARD ALLCASE:** 24" X 24" X 36" L
WORKING RANGE: 1500 – 1750 F

2750 Class: 5

Instrument type: D

SURVEY FREQUENCY: Semi Annually

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***315 STANDARD ALLCASE:** 24" X 24" X 36" L
WORKING RANGE: 1450 – 1800 F

2750 Class: 5

Instrument type: D

SURVEY FREQUENCY: Semi Annually

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***317 SUPER 30 ALLCASE:** 30" X 30" X 48" L
WORKING RANGE: 1175 (only) 1500 – 1850 F
2750 Class: 5
Instrument type: D SURVEY FREQUENCY: **Semi Annually**

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6&
ONE TEST TEMPERATURE AT 1175 F +/-10F ONLY**

***601 VACUUM FURNACE:** 24" X 24" X 36" LONG
SINGLE CHAMBER WORKING RANGE: 1200 – 2200 F
TESTING RANGE: 1200 – 2200 F +/-25
2750 Class: 5 SURVEY FREQUENCY: **Semi Annually**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***602 SUPER VACUUM FURNACE:** 30"H X 36"W X 48"D LONG
SINGLE CHAMBER WORKING RANGE: 1200 – 2200 F
2750 Class: 5 SURVEY FREQUENCY: **Semi Annually**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

***604 SUPER VACUUM FURNACE:** 36"H X 36"W X 60"D LONG
SINGLE CHAMBER WORKING RANGE: 1200 – 2200 F
2750 Class: 5 SURVEY FREQUENCY: **Semi Annually**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

603 SUPER VACUUM TEMPER: 30"H X 36"W X 48"D LONG
SINGLE CHAMBER WORKING RANGE: 300 – 1325 F
2750 Class: 5 SURVEY FREQUENCY: **Semi Annually**
Instrument type: D

***TEST TEMPERATURES SEE AMS 2750 REV: D 3.5.5 & 3.5.6**

The following furnaces are used for commercial work only. NO AEROSPACE work permitted.
FURNACE

NUMBER

- 103 BOX OVEN:** 16" W X 16" H X 24" L
 WORKING RANGE: 400 – 1250 F
 RECIRCULATING AIR
2750 Class: 5 USED FOR TEMPERING AND STRESS RELIEVING
Instrument type: D
- 104 PIT TYPE FURNACE** 22" DIA X 36" LONG
 WORKING RANGE: 400 - 1175 F
 RECIRCULATING AIR
2750 Class: 5 USED FOR TEMPERING AND STRESS RELIEVING
Instrument type: D
- 510 BOX OVEN:** 12" X 15" X 15" L
 WORKING RANGE: 400 – 1000 F
 USED FOR TEMPERING ONLY
2750 Class: 5
Instrument type: D
- 511 BOX FURNACE:** 12" X 10" X 18"
 WORKING RANGE: 1250 – 1875 F
 ATMOSPHERE CONTROLLED (ENDO)
2750 Class: 5
Instrument type: D
- 513 BOX FURNACE:** 12" X 12" X 24"
 WORKING RANGE: 1250 – 1875 F
 ATMOSPHERE CONTROLLED (ENDO)
2750 Class: 5
Instrument type: D
- 514 PIT TYPE FURNACE:** 16" DIA X 24" DEEP
 WORKING RANGE: 400 – 1150 F
 RECIRCULATING AIR
 USED FOR TEMPERING AND STRESS
2750 Class: 5 RELIEVING
Instrument type: D
- 512 BOX FURNACES:** 12" W X 22" LONG
515 WORKING RANGE: 1200 – 1875 F
516 NO ATMOSPHERE
2750 Class: 5
Instrument type: D
- 519 BOX OVEN:** 18" X 18" X 18" LONG
 WORKING RANGE: 400 – 550 F
 USED FOR TEMPERING ONLY

**600 LINDBERG BOX TEMPERING
FURNACE:**

38" X 36" X 34" H
WORKING RANGE: 400 – 1100 F
NITROGEN/ATMOSPHERE TEMPERING

**2750 Class: 5
Instrument type: D**

***345 ALLCASE TEMPERING FURNACE:**

30" X 30" X 48" L
WORKING RANGE: 400 – 1000 F

**2750 Class: 2
Instrument type: D**

1001 LINDBURG ELECTRIC PIT:

50" DIA X 64" DEEP
WORKING RANGE: 400 – 1100

**2750 Class: 2
Instrument type: D**

**2750 Class: 2
Instrument type: D**

670 DEEP FREEZE:

38" X 40" X 32" L
WORKING RANGE: 50-(-150)

**2750 Class: 2
Instrument type: D**

Cleaning Equipment

281 SM ROTOBLAST BARREL:

BARREL DIAMETER 30"
MEDIA USED: CAST IRON GRIT (S70 GRIT)

282 LG ROTOBLAST BARREL:

BARREL DIAMETER 36"
MEDIA USED: CAST IRON GRIT (S230 GRIT)

283 HAND BLAST CABINET:

30" W X 30" H X 54" L
MEDIA USED: ALUMINUM OXIDE GRIT

284 TABLE BLAST:

5 TABLES
MEDIA USED: CAST IRON GRIT (S70 GRIT)

288 SPINNER BLAST:

CONTINUOUS ROTATING SPINNER
6' DIA 28 SQ FT. 5' 10" 5000# CAPACITY
MEDIA USED: CAST IRON GRIT (S170)

287 LG ROTOBLAST BARRELL:

BARREL DIAMETER 44"
MEDIA USED: CAST IRON GRIT (S170/S70)

Support Equipment

- 312 STANDARD WASHER:** 24" X 24" X 36" L
BASKET SIZE: 20" X 32"
USED FOR CLEANING AND RINSING PARTS
- 318 SUPER ALLCASE WASH:** 30" X 30" X 48" L
USED FOR CLEANING AND RINSING PARTS
- 1318 SURFACE COMBUSTION
GAS HEATED DUNK WASH TANK** 36"L X 36"W X 72" DEEP

Endo Generators:

- 1012-12 ENDO THERMIC GAS GENERATOR:** 7200 CUBIC FEET PER HOUR
1013 ENDO THERMIC GAS GENERATOR: 7200 CUBIC FEET PER HOUR
291-13 ENDO THERMIC GAS GENERATOR: 7200 CUBIC FEET PER HOUR
(COMPUTER CONTROLLED)

TESTING EQUIPMENT LIST: Calibrated per all applicable specifications

- 2 WILSON HARDNESS TESTER:** Series 35R Tester. Model 3JR. Serial Number: 3JR-5477
Series 3TT-a-RB Twin Stage. Serial number: 2486
- 2 UNITED HARDNESS TESTER:** TRUE BLUE II. Model True Blue II/18.
Serial Number: 201192
TRUE BLUE II. Model True Blue II/18. Serial Number: 2101658
- 1 ROCKWELL SUPERFICIAL TESTER:** Model 3JS. Serial Number: 3JS-2305
- 1 TINIUS OLSEN BRINELL TESTER:** SM106375
- 1 GOGAN BRINNEL TESTER:** MODEL 1414. SERIAL NO. 590022
- 1 OLYMPUS TOKYO MICROSCOPE:** Serial Number: 202475
- 2 TUKON MICROHARDNESS HARDNESS TESTERS:**
Serial Number: 1202-01-0085
Model 1202
- 1 ECOMET I POLISHER/GRINDER**
- 1 ECOMET II POLISHER GRINDER**
- 1 BUEHLER ROLL GRINDER 240 Grit to 600 Grit capability**
- 1 SIMPLIMET II HOT MOUNTING PRESS**

* **AMS H-6875 (latest revision) AND AMS 2759 (latest revision) CERTIFIED**