CHEMICAL INDUSTRIES EDUCATION & TRAINING AUTHORITY
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BOILERMAKER

TRAINING SCHEDULE

&

RECORD OF APPRENTICE TRAINING

***add name* & CHIETA contract number**

add employers name

(The employer is encouraged to add their logo, pictures to this document…)

Welcome to the start of your exciting career in engineering!

FOR YOUR ATTENTION

The Training Schedule and Record of Apprentice Training are used as a master copy for each individual apprentice's training. It can be copied as required by the company/training centre for issue to the apprentice.

The apprentice and company may customize the arrangement of the documentation to suite the local context and branding.

.This Training Schedule and Record of Apprentice Training consists of four parts:

1 Training Schedule in which the scope of learning and criteria to be met are given
2 Course Map in which the common progression of training is shown.
3 Individual Training Programme
4 Record of Apprentice Training

TRAINING SCHEDULE

The Training Schedule below contains the basic training requirements for the relevant trade. Additional modules may be incorporated into the schedule at the discretion of the company if deemed necessary to meet specific training needs.

Any changes or deviations from the Training Schedule must be agreed to by the Apprenticeship Manager at the CHIETA before training based on these changes commences. This is essential to ensure that the learning required for the trade is addresses before an apprentice can attend a trade test

COURSE MAP

The course map is laid out in four phases and in the most logical sequence. A company test is to be conducted at the end of each phase. This map should form the basis of the Individual Training Programme that is developed and agreed to by the employer and the individual apprentice

RECORD OF APPRENTICE TRAINING

This record replaces the old "log book" system. The record is laid out in relation to the four phases. Every code must be signed off when the apprentice is declared competent by the relevant artisan (mentor / coach / supervisor) and provider when the relevant learning module is successfully completed.

This record serves as the master record of training completed and should be retained by the apprentice in a safe place.

A copy must also be retained by the employer in a safe place.

Copies of the training record, as indicated below, must be sent to the Apprenticeship Unit at the CHIETA. It is recommended that this be done after each phase has been successfully completed and the test passed so that any shortfalls can be identified and addressed timeously:

Phase 1 – submit relevant pages
Phase 2 – submit relevant pages
Phase 3 – submit relevant pages
Phase 4 – submit relevant pages with an application for a trade test.

Before a trade test can be attempted, an apprentice must have completed 80 weeks of on the job training (at the employer) and all the modules in the training schedule (at least 32 weeks over the four phases), as well as the relevant N course or CHIETA approved N2 equivalent (approximately 10 weeks).

Completion of the whole Record of Apprentice Training is the standard of evidence required for access to a trade test.

INDIVIDUAL TRAINING PROGRAMME

This is a table, chart or similar document that is developed by the employer and agreed to by the individual apprentice.

It must show when and where each module or other training activity is to take place and which objectives in the Training Schedule (with reference to the code) are addressed in the different modules in.

This programme must be attached to the individual apprentice's Record of Apprentice Training.

All deviations and changes to the programme that occur during the training of the apprentice must be indicated on the programme.

THEORETICAL TRAINING

A four subject pass is needed to obtain the N course. Mathematics and the relevant trade theory subjects are compulsory. A further two relevant subjects must be chosen by the employer, college and apprentice to obtain the four subjects required for the course.

Should an apprentice have a qualification higher than that prescribed in the schedule, it must be ensured that the subjects are relevant to the trade in question, before a trade test date will be allocated.

Please note that the Employer may apply for the apprentice to conduct the CHIETA approved N2 equivalent subjects.

Certified copies the results of all theoretical training must be attached to the Record of Apprentice Training

PLEASE NOTE:

THE CHIETA APPRENTICESHIP UNIT IS TO BE NOTIFIED OF ALL ABSENTEEISM FROM THE WORKPLACE OR PROVIDER OF TRAINING

Part 1: TRAINING SCHEDULE FOR THE TRADE: BOILERMAKER

MODULE	CODE	OBJECTIVES	CRITERIA
INDUCTION	ID1	Recall applicable sections of the Manpower Training (Act No 56, 1981), with special reference to discipline and legal responsibilities.	1. Pass a questionnaire with at least 80%.
	ID2	Recall terms and conditions of apprenticeship as Gazetted 26 July 1991.	1. Pass a questionnaire with at least 80%.
	ID3	Recall applicable grievance procedures.	1. Pass a questionnaire with at least 80%.
	ID4	Recall applicable disciplinary procedures.	1. Pass a questionnaire with at least 80%.
	ID5	Recall company rules and procedures.	1. Pass a questionnaire with at least 80%.
	ID6	Recall quality assurance procedures.	1. Correct according to company standards and procedures with a minimum of five (5) questions and 100% pass.
SAFETY	SF1	Recall relevant regulations of the following Acts: (where applicable). – Occupational Health and Safety Act (Act No 85, 1993) – Minerals Act and Regulations (Act No 50, 1991).	1. Pass a questionnaire with at least 80%.
	SF2	Attend a standard industrial safety course accredited by the industry.	1. Obtain a recognised certificate.
	SF3	Recall safety in welding and gas cutting.	1. All safety aspects correct according to accredited procedures.
	SF4	Attend a first aid course.	1. Obtain a recognised certificate - 1st level.
	SF5	Identify relevant colour markings and symbolic safety signs.	1. Correct use of SABS 0140 and SABS 1186 publications.
HAND AND POWER TOOLS	HT1	Identify measuring, checking, forming, cutting, marking and fastening tools and tooling aids.	1. Correctly identify all the tools and state all their physical characteristics.

MODULE	CODE	OBJECTIVES	CRITERIA
	HP1	Use measuring, checking, forming, cutting, marking and fastening tools and tooling aids.	1. Measuring and marking tools - 1,0mm accumulative dimensional tolerance and 0,25mm on angular tolerance measured over 300mm on line of chords rule. 2. Checking tools - 0,5mm dimensional tolerance and 0,25mm over length of tools. 3. Forming, cutting, marking tools - correct application. 4. All safety aspects applied.
	HT3	Maintain measuring, checking, forming, cutting, marking and fastening tools and tooling aids.	1. Tools in a safe and functional working condition.
	HS3	Sharpen drills.	1. Angle according to tables and application.
	HP2	Use fixed and portable drilling machines.	1. Correct speeds and feeds to be used. 2. Holes to be within 1,0mm of centre. 3. Correct cutting compounds to be used.
	WT2	Use fixed and portable grinding machines including replacing, setting, truing and ringing of wheels.	1. All prescribed safety standards applied.
	WT22	Dress a grinding wheel.	1. Wheel must be concentric.
MATERIALS	MA1	Recall the terms, definitions and use of materials pertaining to the trade with special reference to plates, tubes, and pipes, rolled and hollow sections.	1. Minimum of 15 questions with at least 80% pass.
	MA2	Recall the physical properties and characteristics of metals.	1. Minimum of 15 Questions with at least 80% pass.
	MA3	Identify ferrous and non-ferrous metals.	1. Each type of material correctly identified.
	MA4	Recall and describe the current identification systems.	1. 100% correct.
	MA5	Identify metal defects visually.	1. 100% correct.
	MA6	Handle materials and work pieces using chain blocks and overhead cranes by means of the correct lifting, stacking and slinging methods	1. Correct equipment selected and procedures followed.

MODULE	CODE	OBJECTIVES	CRITERIA
		and using tirfors for positioning work pieces.	
DRAWING AND SKETCHES	DS1	Recall terms and definitions pertaining to engineering drawings.	1. Tests of minimum 15 questions to be set with 100% pass mark against SABS 044 Part 1 and SABS 0111.
	DS2	Interpret relevant symbols, abbreviations and tolerances.	1. Tests of minimum 20 questions to be set with a 100% pass mark against SABS 044, Part 2 and SABS 0111.
	DS3	Make drawings which includes sectioning, isometric and orthographic projections in the first and third angle.	1. Only line and junction point's faults allowed.
	DS4	Make detailed drawings and compile material lists.	1. All items, descriptions and specifications to be noted correctly, and all relevant detail and dimensions to be present for manufacture.
	DS5	Make isometric sketches including circular profiles.	1. To be legible and identifiable.
PRINCIPLES AND TECHNIQUES OF MARKING OFF	MT1	Lay out and mark off pieces and positions from drawings, including template work on plate.	1. Correct applications of tools and applicable principles of geometry, circular and scientific calculations including sine, cosine and tangent ratios with maximum accumulative tolerance of 0,5mm up to 1 metre and 1,0mm above 1 metre.
	MT2	Lay out and mark off work pieces and positions from drawings, including template work on rolled sections.	1. Correct application of tools and applicable principles of geometry, circular and scientific calculations including sine, cosine and tangent rations with maximum accumulative tolerance of 0,5mm up to 1 metre and 1,0mm above 1 metre.
	MT3	Lay out and mark off work pieces and positions from drawings, including template work on pipes, tubes and hollow sections.	1. Correct application of tools and applicable principles of geometry, circular and scientific calculations including sine, cosine and tangent ratios with maximum accumulative tolerance of 0,5mm up to 1 metre and 1,0mm above 1 metre.
ARC WELDING	AW1	Recall terms, definitions and all welding symbols in shield metal arc welding.	1. 100% correct to SABS 044 Part 2.
	AW2	Identify and set up AC and DC welding equipment including starting up and shutting down procedures.	1. Correct according to company and manufacturers welding practises. 2. All safety aspects adhered to.

MODULE	CODE	OBJECTIVES	CRITERIA
	AW3	Differentiate between welding consumable.	1. Correct according to AWS identification systems.
	AW4	Prepare material and equipment for welding.	1. 100% correct according to company welding procedures with regard to weld joint preparation, voltages, amperages and welding consumable and pre-heat and interpass temperatures.
	AW5	Weld with manual metal arc welding techniques in all positions using AC and DC machines.	1. Tested by company in accordance with SABS 044 Part III Grade 2 welder's requirements on tests MA/3 and MA/10 visual requirements plus cold bend test.
	AW6	Identify and recall the causes of the following welding defects: (a) Undercuts (b) Porosity (c) Lack of penetration (d) Slag inclusion (e) Arc strike (f) Splatter	1. 100% correct.
	AW7	Recall information on welding data sheets as applicable to shield metal arc welding with respect to the following, viz care, storage, disbursement, usage, welding parameters, voltage, current, welding speed, heat input, welding preheat, interpass temperature, post weld heat treatment, visual inspection, mechanical tests, types of shield metal arc welding machines and current, welding positions, pre and post welding cleaning.	1. Pass a questionnaire with at least 80%.
	AW8	Prepare and assemble work pieces for arc welding.	1. 100% correct according to welding data sheet. 2. Work pieces assembled according to drawing and specifications.
OXY-FUEL GAS WELDING AND BRAZING	GW1	Recall terms and definitions in gas welding and brazing.	1. Pass a questionnaire with a minimum of 25 questions with an 80% pass.
	GW2	Interpret welding data sheets and their contents as applicable to gas welding and brazing with respect to: weld joint preparations, welding consumable, filler wires, types, care, storage and disbursement of gasses, welding parameters, gas	1. Pass a questionnaire with a minimum of 25 questions with an 80% pass.

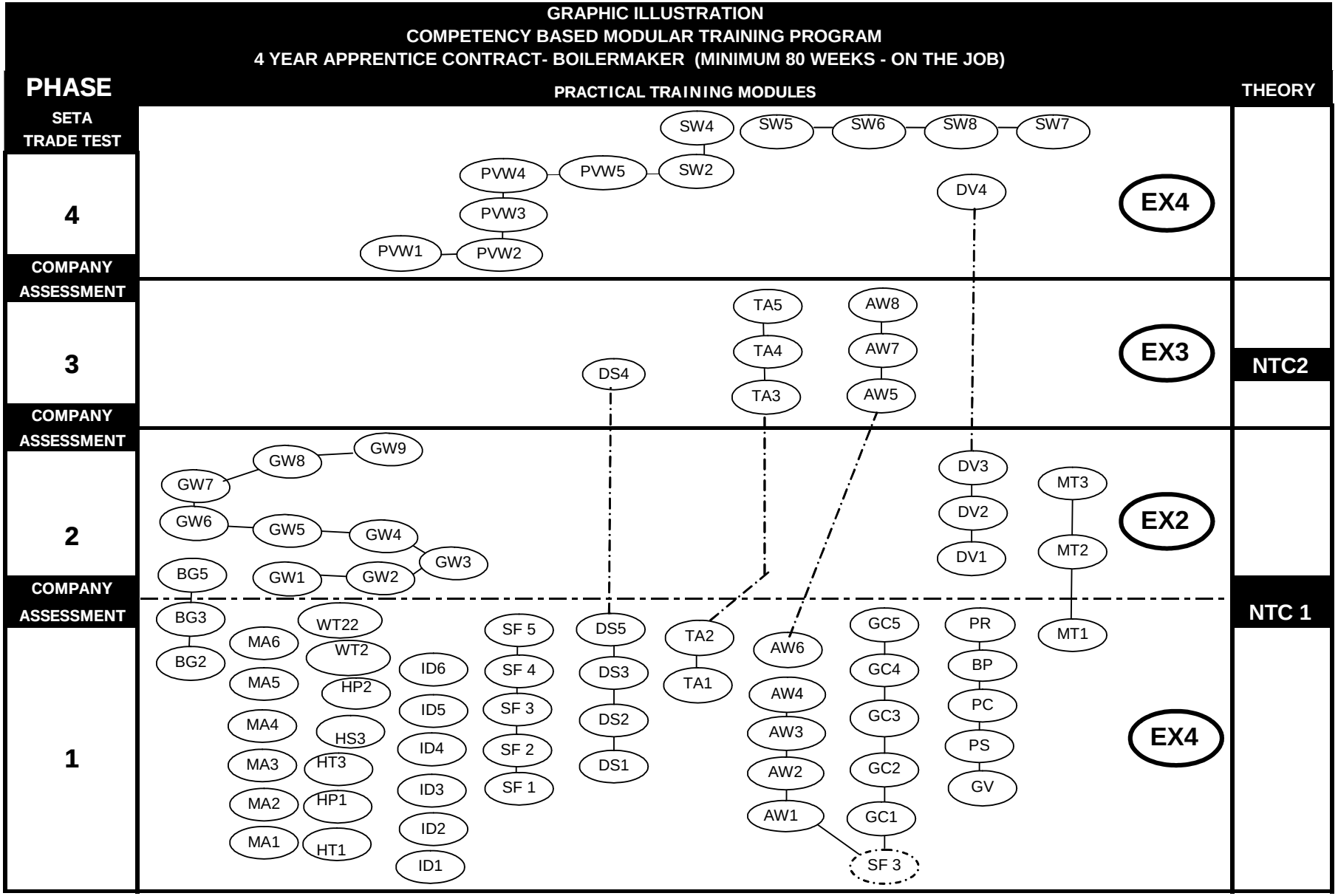
MODULE	CODE	OBJECTIVES	CRITERIA
		pressures, flame settings, welding positions, welding speed, welding preheat, types of torches, welding directions.	
	GW3	Identify all gas welding and brazing defects and explain their causes.	1. Each defect correctly identified and at least two causes stated for each defect.
	GW4	Set up the following equipment: – gas cylinders – torches – hoses – safety devices	1. Correct according to standard practices and all safety aspects.
	GW5	Prepare and assemble work pieces for gas welding.	1. 100% correct according to welding data sheet. 2. Work pieces assembled according to drawings and specifications.
	GW6	Maintain gas welding equipment.	1. According to manufacturers specifications.
	GW7	Weld work pieces with stringer beads with and without filler metal.	1. Nozzle size correctly selected in relation to plate thickness. 2. Gas pressure set according to manufacturers welding charts and data sheets. 3. All safety aspects adhered to. 4. Visual examination and break-test in accordance with AWS D1.1.
	GW8	Fillet and butt weld with full penetration in all Positions.	1. Visual examination plus break test on fillet welds and visual plus bend test on butt welds to AWS D1.1.
	GW9	Light up, adjust and shut down gas welding equipment.	1. All safety aspects adhered to. 2. Correct procedures to be followed. 3. Flame adjusted according to application.
GAS CUTTING AND HEATING	GC1	Identify and assemble gas cutting and heating equipment, including light up and shut down procedures.	1. Correct method and procedures according to safety standards.
	GC2	Select nozzles and gas pressures for cutting and heating different materials of various thicknesses.	1. 100% correct according to manufacturers charts.
	GC3	Hand cut and heat materials incidental to the trade.	1. Company quality standards on finish and with maximum 2mm deviation from line over 300mm.

MODULE	CODE	OBJECTIVES	CRITERIA
	GC4	Bevel with a cutting torch for welding preparation.	1. Company quality standards on finish and within 1° on angle and 0,5mm on landing.
	GC5	Operate a profile, universal and straight line gas cutting machine.	1. Correct to suppliers recommended specification.
BASIC LIFTING TECHNIQUES	BG2	Recall overhead crane hand signals	1. 100% correct according to recognised code of practice.
	BG3	Demonstrate overhead crane hand signals.	1. 100% correct according to recognised code of practice.
	BG5	Use the following equipment: – chain block : 2 ton max – coffin block : 2 ton max – shackles : 2 ton max – chain slings : 2,5 ton max – wire rope slings : 20mm diameter – tirfors : 2 ton max	1. Working load not to be exceed equipment safe loading capacity. 2. Correct method of slinging. 3. No kinks in wire rope slings and chain slings. 4. No damage to equipment.
THERMAL APPLICATIONS	TA1	Recall the theories of expansion and contraction.	1. 100% correct.
	TA2	Recall and explain the causes of distortion.	1. 100% correct.
	TA3	Rectify distortion.	1. Principles of expansion and contraction applied correctly.
	TA4	Recall precautions and factors to be considered prior to applying heat for manipulations.	1. All precautions and considerations stated correctly.
	TA5	Manipulate plates and rolled sections by application of heat.	1. Correctly apply the techniques according to company procedures and standards.
DEVELOPMENTS	DV1	Project points from one plane to another. (Vertical, horizontally and diagonally at specific angles).	1. All dimensions to be within 1,0mm over 1 metre.
	DV2	Draw all types of basic development using parallel line, radial line and triangulation making allowance for plate thickness.	1. Correct to an accumulative positional point error of 3mm.

MODULE	CODE	OBJECTIVES	CRITERIA
	DV3	Fabricate all types of basic developments in plate or template board.	1. All tolerance for dimensions and angles to be in accordance with a recognised manufacturing code of practice.
	DV4	Draw all types of developments using parallel line, radial line and triangulation making allowances for plate thickness.	1. Correct to an accumulative positional point error of 3mm.
A MINIMUM OF FOUR (4) MACHINES MUST BE SELECTED			
MACHINES	GV	Operate a guillotine.	1. All safety aspects adhered to. 2. Adjust the guillotine correctly according to manufacturer's specifications. 3. Cut up to 5,0mm plate accurately to a tolerance of 1,0mm.
	PS	Operate a power saw.	1. All safety aspects adhered to. 2. Correct blade used. 3. Correct feed used. 4. Correct cutting compound used. 5. All cuts to be within a tolerance of 0,5mm.
	PC	Operate a punch and shears.	1. All safety aspects adhered to. 2. Blades, punches and dies selected and adjusted to manufacturers specifications for different material thickness.
	BP	Operate a bending press.	1. All safety aspects adhered to. 2. All dimensions to be within a tolerance of 1,0mm. 3. All angles within 1° over 300mm.
	PR	Operate plate rolls.	1. All safety aspects adhered to. 2. A tolerance of 2,0mm per 1000mm of diameter is allowed.
	RS	Operate rolled-section rolls.	1. All safety aspects adhered to. 2. A tolerance of 2,0mm per 1000mm of diameter is allowed.
STRUCTURAL BOILERMAKER WORK	PVW1	Recall terms definitions and symbols specific to the Trade.	1. Pass a questionnaire with a minimum of 10 questions with 100% pass.
	PVW2	Develop for the fabrication of the following: – hoppers – chutes	1. Correctly develop to an accumulative point positional error of 3,0mm. 2. Allowances for material thicknesses of up to 50mm are made.

MODULE	CODE	OBJECTIVES	CRITERIA
		– cylinders – cones – spirals – transitions – inter-penetrations	
	PVW3	Fabricate the following: – hoppers – chutes – cylinders – cones – spirals – transitions - inter-penetrations	1. All tolerance for dimensions and angles to be in accordance with a recognised manufacturing code of practice.
	PVW4	Assemble cylinders, dished heads of nozzles and general structural work to vessels.	1. Assembly of shells to be according to a recognised manufacturing code of practice.
	SW2	Fabricate structures using rolled-sections and pipes with particular reference to the application of fixing details.	1. Correct fixing application according to drawing specifications.
	PVW5	Use fasteners applicable to the trade.	1. Correct fastener used according to application and drawing specifications.
	SW4	Lay-out structural fabrication including trusses and columns.	1. Lay-out to be dimensionally correct to 1,0mm on any accumulative dimensions.
	SW5	Make templates and pick up dimensions from lay-outs.	1. Correct to a fit-up standard where holes do not overlap by more than 1,0mm.
	SW8	Identify code requirements on drawings, sketches and specifications.	1. 100% correct.
	SW6	Calculate and mark-off splays on rafters, beams and structural joints.	1. All dimensions 100% correct. 2. All angles to be within a tolerance of 1°.

MODULE	CODE	OBJECTIVES	CRITERIA
	SW7	Assemble erect, line and level structural steel.	1. Lining tolerances of 2mm over 18 metres with at least 4 units in line and dimensionally with maximum accumulative error of 2mm.
THEORETICAL TRAINING		A four subject pass is needed to obtain the N course. Mathematics and the relevant trade theory subjects are compulsory. A further two relevant subjects must be chosen by the employer, college and apprentice in order to obtain the four subjects required for the course.	
	TT1	Mathematics N1 Relevant Trade Theory N1 Plus two relevant subjects N1	1. Obtain a four subject certificate or equivalence
	TT2	Mathematics N2 Relevant Trade Theory N2 Plus two relevant subjects N2 OR CHIETA approved N2 Equivalency Should the apprentice have a qualification higher than that prescribed in the schedule, it must be ensured that the subjects are relevant to the trade in question, before a trade test date will be allocated. This should take approximately 10 weeks.	1. Obtain a four subject certificate or equivalence
ON THE JOB EXPERIENCE AND INDEPENDENT WORK	EX1	On the job experience and independent work should cover at least 80% of all modules plus at least 4 machines in the module machines to ensure as wide as possible field of experience and must take place under supervisory control. This must be at least 80 weeks.	1. All work done to be recorded with respect to performance levels.
TRAINING PROVIDER	TP1	Training at an accredited provider of apprentice training, for a minimum period of 32 weeks over the 4 phases. Training must cover all the modules of the training schedule. If the candidate does not have NTC2, the candidate must conduct an additional 10 weeks to attain the N2 or a CHIETA approved equivalency. This must be obtained at a provider accredited / approved for theoretical training.	1. All work done to be recorded with respect to performance levels.


GRAPHIC ILLUSTRATION
COMPETENCY BASED MODULAR TRAINING PROGRAM
4 YEAR APPRENTICE CONTRACT- BOILERMAKER (MINIMUM 80 WEEKS - ON THE JOB)
PHASE
SETA TRADE TEST
PRACTICAL TRAINING MODULES
THEORY
4
COMPANY ASSESSMENT
3
COMPANY ASSESSMENT
2
COMPANY ASSESSMENT
1
EX4
EX3
EX2
EX4
NTC2
NTC 1
SW4
SW5
SW6
SW8
SW7
SW2
PVW4
PVW5
PVW3
PVW1
PVW2
DV4
TA5
TA4
TA3
AW8
AW7
AW5
DS4
GW9
GW8
GW7
GW6
GW5
GW4
GW3
GW1
GW2
BG5
BG3
BG2
DV3
DV2
DV1
MT3
MT2
MT1
WT22
WT2
HP2
HS3
HT3
HP1
HT1
MA6
MA5
MA4
MA3
MA2
MA1
ID6
ID5
ID4
ID3
ID2
ID1
SF 5
SF 4
SF 3
SF 2
SF 1
DS5
DS3
DS2
DS1
TA2
TA1
AW6
AW4
AW3
AW2
AW1
SF 3
GC5
GC4
GC3
GC2
GC1
PR
BP
PC
PS
GV

Part 3 EXAMPLE OF THE LAYOUT OF AN INDIVIDUAL TRAINING PROGRAMME

Apprentice Name		Contract Number		Trade: Boilermaker		Employer		Page No: 1	
Month:		Year:							
Week 1		Week 2		Week 3		Week 4		Week 5	
Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual	Planned	Actual
Activity: *Induction Course* Venue: *Company training Room* Code *ID 1* *ID2* *!D3* *ID4* *ID5* *ID6* *ID assessment test*	Activity: *xxx* Venue: *place* Code *XX1*	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:
Activity: Venue: Code	Activity: Venue: Code	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:
Activity: Venue: Code	Activity: Venue: Code	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:	Activity: Venue: Code:

Part 4 RECORD OF APPRENTICESHIP TRAINING

RECORD OF APPRENTICE TRAINING	PAGE 1 - 3	TRADE : BOILERMAKER
EMPLOYER:		CONTRACT NO:
APPRENTICE SURNAME & INITIALS:		
I.D. NUMBER:		

CONFIRMATION OF TRAINING PRESENTED

MODULE AND MODULE CODE	PHASE 1	MODULE AND MODULE CODE

CODE	SIGNATURE		DATE	CODE	SIGNATURE		DATE
	APPRENTICE	EMPLOYER/ PROVIDER			APPRENTICE	EMPLOYER/ PROVIDER	

P= Provider E Employer

INDUCTION					DRAWINGS AND SKETCHES				
ID1	P				DS1	P			
	E					E			
ID2	P				DS2	P			
	E					E			
ID3	P				DS3	P			
	E					E			
ID4	P				DS5	P			
	E					E			
ID5	P				PRINCIPLES AND TECHNIQUES OF MARKING OFF				
	E								
ID6	P				MT1	P			
	E					E			
SAFETY					MATERIALS				
SF1	P				MA1	P			
	E					E			
SF2	P				MA2	P			
	E					E			
SF3	P				MA3	P			
	E					E			
SF4	P				MA4	P			
	E					E			

SF5	P				MA5	P			
	E					E			
HAND AND POWER TOOLS					MA6	P			
						E			
HT1	P				BASIC LIFTING TECHNIQUES				
	E								
HP1	P				BG2	P			
	E					E			
HP2	P				BG3	P			
	E					E			
HS3	P				THERMAL APPLICATIONS				
	E								
HT3	P				TA1	P			
	E					E			
WT2	P				TA2	P			
	E					E			
WT22	P								
	E								
ARC WELDING					THEORETICAL TRAINING				
AW1	P				NTC1				
	E								
AW2	P				PHASE 1 COMPANY TEST				
	E								
AW3	P								
	E								
AW4	P								
	E								
AW6	P								
	E								
GAS CUTTING					RECORD OF WORKPLACE EXPERIENCE				
GC1	P				EX1				
	E								
GC2	P								
	E								

GC3	P							
	E							
GC4	P							
	E							
GC5	P							
	E							
MACHINES								
GV	P							
	E							
PS	P							
	E							
PC	P							
	E							
BP	P				INCLUDE COMPANY RUBBER STAMP			
	E							
RS	P							
	E							
PR	P							
	E							
AFTER THE APPRENTICE HAS SUCCESSFULLY COMPLETED PHASE 1 A COPY OF THIS TRAINING RECORD MUST BE FORWARDED TO THE APPRENTICESHIP UNIT								

RECORD OF APPRENTICE TRAINING	PAGE 1 - 2	TRADE : BOILERMAKER

EMPLOYER:	CONTRACT NO:
APPRENTICE SURNAME & INITIALS:	
I.D. NUMBER:	

CONFIRMATION OF TRAINING PRESENTED

MODULE AND MODULE CODE				PHASE 2	MODULE AND MODULE CODE			
CODE	SIGNATURE		DATE	CODE	SIGNATURE		DATE	
	APPRENTICE	EMPLOYER/ PROVIDER			APPRENTICE	EMPLOYER/ PROVIDER		

P= Provider E Employer

BASIC LIFTING TECHNIQUES					DEVELOPMENTS				
BG5	P				DV1	P			
	E					E			
PRINCIPLES AND TECHNIQUES OF MARKING OFF					DV2	P			
						E			
MT2	P				DV3	P			
	E					E			
MT3	P								
	E								

OXY-FUEL GAS WELDING AND BRAZING					PHASE 2 COMPANY TEST			
GW1	P							
	E							
GW2	P							
	E							
GW3	P							
	E							
GW4	P				RECORD OF WORKPLACE EXPERIENCE			
	E							
GW5	P				EX2			
	E							
GW6	P							

	E							
GW7	P							
	E							
GW8	P							
	E							
GW9	P							
	E							
THERMAL APPLICATIONS								
TA3	P				INCLUDE COMPANY RUBBER STAMP			
	E							
TA4	P							
	E							
TA5	P							
	E							
AFTER THE APPRENTICE HAS SUCCESSFULLY COMPLETED PHASE 2 A COPY OF THIS TRAINING RECORD MUST BE FORWARDED TO THE APPRENTICESHIP UNIT								

RECORD OF APPRENTICE TRAINING	PAGE 1 - 2	TRADE : BOILERMAKER
EMPLOYER:		CONTRACT NO:
APPRENTICE SURNAME & INITIALS:		
I.D. NUMBER:		

CONFIRMATION OF TRAINING PRESENTED

MODULE AND MODULE CODE	PHASE 3	MODULE AND MODULE CODE

CODE	SIGNATURE		DATE	CODE	SIGNATURE		DATE
	APPRENTICE	EMPLOYER/ PROVIDER			APPRENTICE	EMPLOYER/ PROVIDER	

P= Provider E Employer

DRAWINGS AND SKETCHES					RECORD OF WORKPLACE EXPERIENCE			
DS4	P				EX3			
	E							
ARC WELDING								
AW5	P							
	E							
AW7	P							
	E							
AW8	P							
	E							
STRUCTURAL BOILERMAKING								
SW2	P							
	E							
SW4	P							
	E							
SW5	P							
	E							
SW8	P							
	E							
THEORETICAL TRAINING								
NTC								

2								
PHASE 3 COMPANY TEST				INCLUDE COMPANY RUBBER STAMP				
AFTER THE APPRENTICE HAS SUCCESSFULLY COMPLETED PHASE 3 A COPY OF THIS TRAINING RECORD MUST BE FORWARDED TO THE APPRENTICESHIP UNIT.								

RECORD OF APPRENTICE TRAINING	PAGE 1 - 2	TRADE : BOILERMAKER
EMPLOYER:		CONTRACT NO:
APPRENTICE SURNAME & INITIALS:		
I.D. NUMBER:		

CONFIRMATION OF TRAINING PRESENTED									
MODULE AND MODULE CODE				PHASE 4			MODULE AND MODULE CODE		
CODE		SIGNATURE		DATE	CODE		SIGNATURE		DATE
		APPRENTICE	EMPLOYER/ PROVIDER				APPRENTICE	EMPLOYER/ PROVIDER	
P= Provider E Employer									
DEVELOPMENTS									
DV4									
STRUCTURAL BOILERMAKING									
PVW 1									
PVW 2									
PVW 3									
PVW 4									
PVW 5									
SW6									
SW7									
ON THE JOB EXPERIENCE AND INDEPENDENT WORK									
EX1									
EX2									
EX3									

EX4				INCLUDE COMPANY RUBBER STAMP			
AFTER THE APPRENTICE HAS SUCCESSFULLY COMPLETED PHASE 4 A COPY OF THIS TRAINING RECORD MUST BE FORWARDED TO THE APPRENTICESHIP UNIT WITH AN APPLICATION FOR A TRADE TEST							

REMEMBER TO APPLY FOR YOUR TRADE TEST!