

# FCI

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## Fabrication & Controlling Instruction

### Tagging of material

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**Document No.**

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**Revision**

**A**

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### Revision Table Document

Revision	Created by	Checked by	Approved by	Description
0	Christoph Marti 01.01.2015	Christoph Marti 01.01.2015		First issue
A	Benjamin Oberle 27.02.2020	Benjamin Oberle 27.02.2020	Michael Schawalder 02.03.2020	Complete revision

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# 1 Introduction

This specification contains information how material shall be marked to have an overall project standard for all suppliers.


This is achieved by Tag Plates which shall have the same information written in the same form for all MAERZ projects.

## 2 Case differentiation and tagging instruction


### 2.1 Single Items

	<p><b>Description:</b></p> <p>Item consisting of one piece</p>
	<p><b>Tagging:</b></p> <ul style="list-style-type: none"> <li>- Every Single Item shall have a Tag Plate</li> <li>- Tag plate shall be bonded or attached by a wire strap if part is too small to bond it directly</li> </ul>


### 2.2 Single Items combined to a bundle / in a bag

	<p><b>Description:</b></p> <p>Similar single Items combined to a bundle / in a bag</p>
	<p><b>Tagging:</b></p> <ul style="list-style-type: none"> <li>- Every bag, bundle or box shall have a Tag Plate</li> <li>- Tag plate shall be bonded or attached by a wire strap if part is too small to bond it directly</li> </ul>

## 2.3 Assembly

	<p><b>Description:</b> Assemblies consist of different together mounted pieces</p> <hr/> <p><b>Tagging:</b></p> <ul style="list-style-type: none"> <li>- Each Assembly shall have a Tag Plate</li> <li>- Tag plate shall be bonded or attached by a wire strap if part is too small to bond it directly</li> </ul>
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## 2.4 Group of Assemblies


	<p><b>Description:</b> Group of together mounted Assemblies (machines, instruments, racks, etc.)</p> <hr/> <p><b>Tagging:</b></p> <ul style="list-style-type: none"> <li>- Each Assembly shall have a Tag Plate</li> <li>- Each "Group of Assemblies" shall have one overall Tag Plate</li> <li>- Tag Plates shall be bonded or attached by a wire strap if part is too small to bond it directly</li> </ul>
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### 3 Tagging

#### 3.1 Number configuration


Due to historical reasons, MAERZ is using two kinds of document numbering systems. Following table explains these two systems:


“New” System Code
Code: AKxxxx.xx.xxx.YYY.xxx_revY
Example: AK0834.21.765.BOM.000_revC

<div style="display: flex; justify-content: space-around; width: 100%;"> <span>1</span> <span>2</span> <span>3</span> <span>4</span> <span>5</span> <span>6</span> </div>
1 – Project Number ( up to 9999 )
2 – Plant Definition
3 – Engineering Construction Group
4 – Code of Document Type
5 – Consecutive Document Number
6 – Revision Index ( 0, A, B, etc )

“Old” System Code
Code: AKxxx_xxx_xx_Y_1
Example: AK834_502_00_A_1

<div style="display: flex; justify-content: space-around; width: 100%;"> <span>1</span> <span>2</span> <span>3</span> <span>4</span> <span>5</span> </div>
1 – Project Number ( up to 999 )
2 – Engineering Construction Group
3 – Consecutive Document Number
4 – Revision Index ( 0, A, B, etc )
5 – Sheet number (1. 2. 3, etc)

#### 3.2 Tag Plate

Tag Plates shall be fabricated according MAERZ word file-template.

“New” System Code
 <b>AKxxxx Project Name</b> AKxxxx.xx.xxx.YYY.xxx Pos. XXX

“Old” System Code
 <b>AKxxx Project Name</b> AKxxx/xxx.xx Pos. XXX

- Size of label as per draft word file 63.5 mm x 29.6 mm
- Material of label: Polyester
- Color of label: silver
- Label must be waterproof, resistant to UV, oil, dirt and tearing.
- Temperature resistant from -20°C to +80°C
- Label must be bonded on plastic or metal plate – Material which is exposed to environment impacts must be bonded on a metal Tag Plate

### 3.3 How to identify position/Tag number

- BOM:

Position/Tag no. can be found in the bill of material as for example shown below:

AK0801.21.640.ELD.000 Instrument List				
SUPPLIER: C=CLIENT, M=MAERZ, ELS=ELECTRICAL SUPPLIER, SWS=SKIP WINC				
TAG No.	Client TAG No.	Application	Qty.	Equip.
K1078 PTZ		Combustion air pressure	1	Press
			1	Shut

AK0801.21.520.BOM.010		
POS.	PIECE	DENOMINATION / DIMENSIO
2	1	Gas reversal and safety rack incl. flanges, sealing, bolts and nuts

- Drawing:

To identify the part, the position number of the assembly drawing shall be taken.

The image shows a technical drawing of a gas reversal and safety rack assembly. The drawing includes a main cross-section view, a detail view of a component, and a BOM table. A callout box points to a specific part in the drawing, labeled AK0801.21.058.ASM.001.

Pos-No.	Document Number	Description	Material	QTY	Unit
1	AK0801.21.058.PRT.001	Cover	1.4308	1	PC
2	AK0801.21.058.PRT.003	Forced	1.4308	1	PC
3	AK0801.21.058.PRT.004	Castin	1.4308	1	PC
4	AK0801.21.058.PRT.005	Cover	1.4308	1	PC
5	AK0801.21.058.PRT.007	Cover	1.4308	1	PC
6	AK0801.21.058.PRT.008	Packin	1.4308	1	PC
7	AK0801.21.058.PRT.009	Ceram	1.4308	1	PC
8	AK0801.21.058.ASM.003	Handle	1.4308	1	PC
9	AK0801.21.058.ASM.004	Therm	1.4308	1	PC