

## Engineering Technical Documents Templates

### Procedure

This Standard replaces and cancels its previous revision.

The CONTEC - Authoring Subcommittee provides guidance on the interpretation of this Standard when questions arise regarding its contents. The Department of PETROBRAS that uses this Standard is responsible for adopting and applying the sections, subsections and enumerates thereof.

**Technical Requirement:** A provision established as the most adequate and which shall be used strictly in accordance with this Standard. If a decision is taken not to follow the requirement ("non-conformity" to this Standard) it shall be based on well-founded economic and management reasons, and be approved and registered by the Department of PETROBRAS that uses this Standard. It is characterized by imperative nature.

**Recommended Practice:** A provision that may be adopted under the conditions of this Standard, but which admits (and draws attention to) the possibility of there being a more adequate alternative (not written in this Standard) to the particular application. The alternative adopted shall be approved and registered by the Department of PETROBRAS that uses this Standard. It is characterized by verbs of a nonmandatory nature. It is indicated by the expression: **[Recommended Practice]**.

Copies of the registered "non-conformities" to this Standard that may contribute to the improvement thereof shall be submitted to the CONTEC - Authoring Subcommittee.

Proposed revisions to this Standard shall be submitted to the CONTEC - Authoring Subcommittee, indicating the alphanumeric identification and revision of the Standard, the section, subsection and enumerate to be revised, the proposed text, and technical/economic justification for revision. The proposals are evaluated during the work for alteration of this Standard.

***"The present Standard is the exclusive property of PETRÓLEO BRASILEIRO S.A. - PETROBRAS, for internal use in the PETROBRAS and in its Equity Holdings in which the Common Corporate Rules (RCC) is applicable and shall be used by its suppliers of goods and services, agreements or similar as per the conditions established in Bidding, Contract, Agreement or similar. The use of this Standard by other companies/entities/governmental bodies and individuals is the sole responsibility of the users themselves."***

### CONTEC

Comissão de Normalização  
Técnica

### SC - 12

General Design Standards

### Introduction

*PETROBRAS Technical Standards are prepared by Working Groups - WG (consisting specialized of Technical Collaborators from Company and its Subsidiaries), are commented by Company Units and its Subsidiaries, are approved by the Authoring Subcommittees - SCs (consisting of technicians from the same specialty, representing the various Company Units and its Subsidiaries), and ratified by the Executive Nucleus (consisting of representatives of the Company Units and its Subsidiaries). A PETROBRAS Technical Standard is subject to revision at any time by its Authoring Subcommittee and shall be reviewed every 5 years to be revalidated, revised or cancelled. PETROBRAS Technical Standards are prepared in accordance with PETROBRAS Technical Standard [N-1](#). For complete information about PETROBRAS Technical Standards see PETROBRAS Technical Standards Catalog.*

## Foreword

This Standard is the English version (issued in 04/2023) of PETROBRAS N-381 REV. M 05/2022. In case of doubt, the Portuguese version, which is the valid document for all intents and purposes, shall be used.

## 1 Scope

1.1 This Standard presents the templates for issuing technical documents and the criteria for filling in their respective fields.

1.2 This Standard shall be used with ABNT standards mentioned in Section 2. In case of disagreement, the criteria settled in this Standard shall prevail.

1.3 This Standard applies to projects started from this Standard issue date.

1.4 The effective period for implementing this Standard in replacement of the previous revision is 180 days from the date of its publication. If the Petrobras unit that is applying the Standard understands that it is not possible to implement it within this period, an Implementation Plan shall be registered within this period, defining the necessary actions and the respective deadlines.

1.5 The definition of the effective deadline for implementation of the requirements of this standard, when it is referenced in contracts of services and materials supply, is the exclusive prerogative of Petrobras.

1.6 This Standard contains Technical Requirements and Recommended Practices.

## 2 Normative References

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document applies.

PETROBRAS [N-75](#) - Abreviaturas para os Projetos Industriais;

PETROBRAS [N-1710](#) - Codificação de Documentos Técnicos de Engenharia;

PETROBRAS [N-2064](#) - Emissão e Revisão de Documentos de Projeto;

ABNT [NBR 6492](#) - Documentação técnica para projetos arquitetônicos e urbanísticos – Requisitos;

ABNT [NBR 12298](#) - Representação de Área de Corte por Meio de Hachuras em Desenho Técnico - Procedimento;

ABNT [NBR 16861](#) - Desenho técnico - Requisitos para representação de linhas e escrita;

ABNT [NBR 16752](#) - Desenho técnico - Requisitos para apresentação em folhas de desenho;

PETROBRAS [DI-1PBR-00337](#) - Diretriz de Identificação do Grau de Sigilo e do Tratamento das Informações Corporativas;

TRANSPETRO [PE-1TP-00365](#) - Elaboração, Emissão e Revisão de Documentos Técnicos de Engenharia.

NOTE For documents referred in this Standard and for which only the Portuguese version is available, the PETROBRAS department that uses this Standard should be consulted for any information required for the specific application.

### **3 General Conditions**

#### **3.1 Paper Sizes and Types**

3.1.1 Sheet formats shall be adopted according to the A series, specified in ABNT NBR 16752.

3.1.2 The A4 format, from the A series specified in ABNT NBR 16752, shall be adopted as minimum size.

3.1.3 In addition to the A series formats, specified in ABNT NBR 16752, composite formats can be used, obtained by combining A4 formats, as specified in ABNT NBR 6492. **[Recommended Practice]**

3.1.4 All A3 size and larger drawings shall be virtually subdivided vertically and horizontally into equal sections of approximately 100 mm, sequentially indicated by letters, beginning at the bottom left corner of the sheet, as shown in Figure A.5 of Annex A.

#### **3.2 Scales**

3.2.1 Scales shall be used in accordance with ABNT NBR 16752.

3.2.2 The drawing scale shall be written in the appropriate space on the legend and, when necessary, drawn as a graphic scale near the bottom limit line of the paper, with a minimum length of 150 mm.

3.2.3 Whenever there are drawings at different scales on the same sheet, such scales shall be indicated near the drawings/details to which they correspond. Onfield 11 (see item 3.5.4), the following text shall be inserted : "INDICATED".

3.2.4 When no scale is used on the drawing, the following text shall be inserted on field 11 (item 3.5.4): "NOT TO SCALE".

#### **3.3 Letters and Numbers**

3.3.1 The minimum height for letters, numbers, and symbols shall be 2,5 mm.

3.3.2 For documents preparing, shall be used fonts in accordance with 3.3.1 and generally accepted by different software programs.

NOTE 1 For fonts without serif, the helvetica family shall be used (e.g.: Helvetica, Arial, among others).

NOTE 2 For serif fonts, the times family shall preferably be used (e.g.: Times, Times New Roman, among others).

NOTE 3 For equally spaced fonts, the courier family shall be used (e.g.: Courier, Courier New, among others).

### 3.4 Lines and Hatchings

3.4.1 Line types shall be in accordance with ABNT [NBR 16861](#).

3.4.2 The use of colors in various elements of drawings performed electronically should be permitted for comments printout. **[Recommended Practice]**

3.4.3 For the final printout, drawings shall be presented only in black, except when colors are essential for the document understanding (such as maps, topographic surveys etc.).

NOTE 1 It is not recommended to use colors as definition of line thickness. **[Recommended Practice]**

NOTE 2 If the color is used as definition of with line thickness, the document shall contain an equivalence table (color versus thickness).

3.4.4 It is recommended that the minimum thickness of standard lines of drawings should be 0,35 mm and for reference lines, dimension lines and other secondary lines of drawings the minimum thickness should be 0,13 mm. **[Recommended Practice]**

3.4.5 The spacing between the lines of a drawing shall never be less than three times their thickness.

3.4.6 Hatching shall be in accordance with ABNT [NBR 12298](#).

### 3.5 Legend and Dimensions of Forms

3.5.1 All sheets of a technical document shall contain an area reserved for the legend, displaying all indications requirements for its precise identification and interpretation.

3.5.2 The dimensions, layout, and legends of technical documents shall be in accordance with their respective size:

- a) A4 size, according to Figures A.1, A.2 and A.4 of Annex A;
- b) A3 size, according to Figures A.4 and A.5 or A.6 and A.7 of Annex A;
- c) A2, A1 or A0, according to Figures A.4 and A.6 of Annex A.

3.5.3 Revision marks, such as amoebas and text highlighting, should not be used on the document legend.

3.5.4 The various legend fields shall be filled in as follows:

Field 1 PETROBRAS Brand, Subsidiary Companies Brands or Contracted Companies Brands (designers, construction and assembly companies, consulting companies, contractors, consortia).

NOTE 1 For documents whose the content and use is exclusive of Subsidiary Company, shall be applied its respective brand. The PETROBRAS brand should not be applied, nor should be applied the footnotes according to item 4.3.3.

NOTE 2 For documents prepared by the contracted company, whose content is property of, even partially of PETROBRAS, the PETROBRAS brand shall be applied (consisting of the symbol and logo PETROBRAS).

- Field 2 Name of the internal client (department where project should be implemented or for which the service was performed) for which the technical document is intended. In the case of general documents, not intended for a particular client or user, this field shall be filled in with a horizontal dash.
- Field 3 Name of the program, project or process for which the technical document is intending. In the case of general documents, this field shall be filled in with a horizontal dash.
- Field 4 Name of the activity area or unit where the project is to be implemented. In the case of general documents, this field shall be filled in with a horizontal dash.
- NOTE To fill in the Area of Activity field, it is recommended to use the description of the Area of Activity of Annex C of PETROBRAS [N-1710](#). **[Recommended Practice]**
- Field 5 Title of technical document. In the case of drawings referring to any equipment or instrument, its TAG shall be included for its identification.
- Field 6 Acronym of the PETROBRAS department which is developing the project. In the case of projects developed by Contracted Company, this field shall use the acronym of the PETROBRAS contractor department .
- NOTE To identify the hierarchical structure level to be filled in this field, shall be use the same level of the document source code (trigram) of PETROBRAS [N-1710](#).
- Field 7 Field deleted<sup>1</sup>.
- Field 8 Identification of the responsible for elaborating the issuance or revision of the technical document.
- Field 9 Identification of the responsible for checking the issuance or revision of the technical document.
- Field 10 Identification of the responsible for approving the issuance or revision of the technical document.
- NOTE 1 In fields 8, 9 and 10, the professionals registered in the PETROBRAS system, the PETROBRAS System Key shall be used as an identifier. The professionals outside the PETROBRAS system, their company must identify its professionals.
- NOTE 2 The responsible for checking the document (field 9) shall be different from the responsible for elaborating the document (field 8).
- NOTE 3 In fields 8, 9 and 10, shall be used only one person as responsible. If it is necessary to indicate more than one responsible, the other participants shall be informed using a note, referencing a table with the following information: Name, Department and PETROBRAS System Key (Petrobras); Name and Contracted Company (Contractor). In the responsible field, a reference to this note shall be placed.
- NOTE 4 According to law 5194 of December 24, 1966, art. 19 and art. 20, all project documents shall be signed by the responsible. Documents can be signed physically (printed paper) or using digital signature (with certificate) or electronically (use of system key and password). As needed, the document can be digitally signed or electronically, using the user's log in the EDMS (Electronic Document Management System), whose access is verified by login and password.
- Field 11 Indication of drawing scale in accordance with 3.2 of this Standard, where applicable.
- Field 12 Identification of the type of document (eg Data Sheet, Material Requisition, Schedule) according to Annex A of PETROBRAS [N-1710](#).
- Field 13 Date of the issuance or revision of the technical document.

---

<sup>1</sup> Field 6 - shall be used for this identification.

- Field 14 Numbering of the sheets comprising the technical document.
- Field 15 Code number of technical document. The document should be coded by PETROBRAS or the Contracted Company, according to the regulations in force at that facility (eg UNs, terminals, etc.) or area of activity (eg industrial plants). For new undertakings, such as installations or activity areas, which may be implemented, the use of PETROBRAS [N-1710](#) is mandatory.
- Field 16 Revision index of the technical document according to PETROBRAS [N-2064](#).
- Field 17 (Optional) - Request for Project Studies (SEP), Change Management, Request for Technical Services or equivalent to which the technical document is linked, if any. Otherwise this field shall be filled in with a horizontal dash.
- Field 18 Space reserved for original issuance of documents from Contracted Companies, which must contain:
- 18.1 - Contracted Company designation or consortium designation, in full;
  - 18.2 - contract number to which the technical document is related (ICJ);
  - 18.3 - name and initials of the person who is technically responsible for the technical document;
  - 18.4 - registration number at class entity (e.g.: CREA, CAU, CRQ) of the technical responsible;
  - 18.5 - Internal document number of the Contractor (where applicable).
- NOTE If the PETROBRAS brand is applicated in the document, is prohibited to use the brand or logo of the Contracted Company.
- Field 19 Revisions descriptions of technical document, according to PETROBRAS [N-2064](#).
- NOTE When necessary, this field shall indicate the purpose of the documentation review (example: For Construction). See item 4.3.2 of PETROBRAS [N-2064](#) for more information.
- Field 20 General notes referring to the technical drawing (except A4 size) as indicated in Figure A.4 of Annex A. This field may also be used for tables, symbols, and related items, as necessary.
- Field 21 Reference documents, relating to the technical drawing (except for A4 size), as indicated in Figure A.4 of Annex A.
- Field 22 Identification of the responsible for elaborating the technical document at original issue (REV. 0).
- Field 23 Date of issuance of technical document at original issue (REV. 0).
- Field 24 Identification of the responsible for checking the original issue (REV. 0) of the technical document, according to PETROBRAS [N-2064](#).
- Field 25 Identification of the responsible for approving the original issue (REV. 0) of the technical document, according to PETROBRAS [N-2064](#).
- NOTE 1 The information of the original issue (fields 22, 23, 24 and 25) shall not be filled in documents in preliminary versions of the original issue.
- NOTE 2 The original issue information (fields 22, 23, 24 and 25) shall always be kept. If the space available for indicating future revisions is insufficient, the fields filled in from revision A shall be replaced by new revisions, keeping the original issue (revision 0) always present in the document.
- NOTE 3 The notes referring to fields 8, 9 and 10 are also applicable to fields 22, 24 and 25.
- Field 26 Size specified by ABNT [NBR 16752](#). E.g.: A0 1189 x 841.
- Field 27 Confidentiality classification of the document information according to the guideline PETROBRAS [DI-1PBR-00337](#).

NOTE 1 Only the textual identification shall be used, and the optional icons mentioned in the guideline PETROBRAS [DI-1PBR-00337](#) shall not be used.

NOTE 2 If the document file is compatible with the AIP (Azure Information Protection)<sup>2</sup>, it should preferably be used to classify the information confidentiality, then it is not necessary to fill in field 27.

Field 28 Field deleted<sup>3</sup>.

Field 29 Field used to identify the application used for the document's issue when using Computer Aided Engineering software (CAE).

Field 30 (Optional) - Field of free use for any purpose not foreseen in the other fields. Examples: project phase, business unit document code, legacy code of the business unit document or [N-1710](#) code, when the latter are not the main codes of the document.

Field 31 (Optional) - QR Code (Quick Response Code) - field used to assist the process of registering and/or verifying document information in the GED (Electronic Documentation Management System). The QR Code shall be generated only with the number of the technical document entered in field 15.

### **3.6 Issuances and Revisions**

3.6.1 For A4 size documents (technical drawings and general documents) (Figure A.1 of Annex A), the revisions shall be indicated in the available space at the bottom of the page. For A3 or larger technical drawings, revisions shall be indicated in the space above the legend (see Figure A.5 of Annex A).

3.6.2 The issuance and revision standards of drawings shall comply with PETROBRAS [N-2064](#).

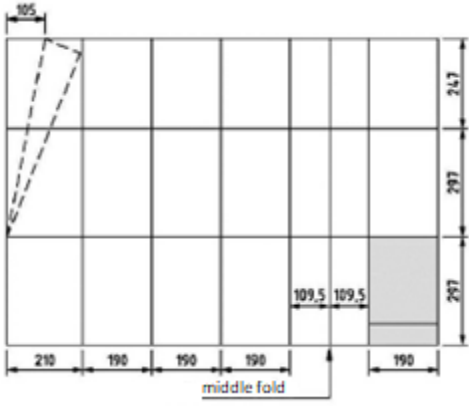
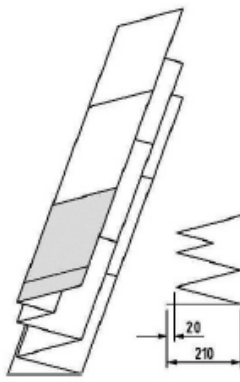
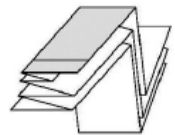
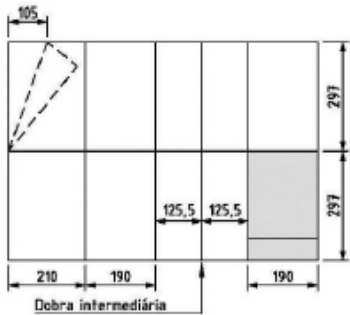
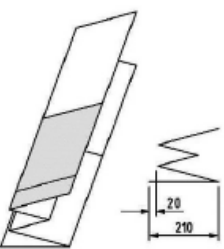
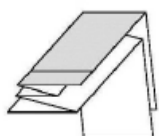
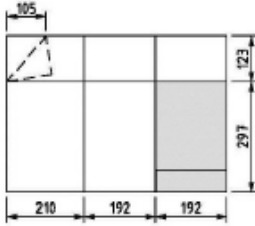
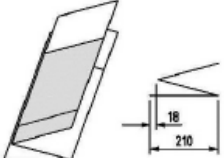

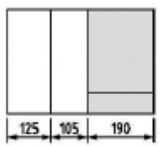
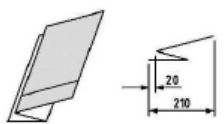
### **3.7 Handling**

3.7.1 Only reproduced drawings (copies) may be folded. Original drawings and reproducible copies shall neither be rolled up nor folded. When necessary, they shall be rolled up for transportation and placed in waterproof tubes.

3.7.2 Copies shall be folded as recommended by ABNT [NBR 16752](#), presented in Table 1.

<sup>2</sup> AIP is the system approved by Information Security for the information classification and its access control.

<sup>3</sup> The information manager is the issuer of the document itself (field 6), while it is in the project/deployment phase. After completing this phase, the asset is transferred (with its respective documentation) to the business unit, which becomes the information manager (field 2).

Format	Folding Diagram	Vertical Folding	Horizontal Folding
A0 841 x 1189			
A1 594 x 841			
A2 420 x 594			
A3 297 x 420			

### 3.8 Abbreviation

For abbreviation PETROBRAS [N-75](#) shall be used.

## 4 Specific Conditions

### 4.1 Storage of Technical Documents

4.1.1 The original document files shall be stored in their native format, that is, in the format originally created (e.g. DOCX, DWG, DGN, etc.) and also in PDF format, to ensure electronic access in the future even in the absence of the original document. original editor.



## **4.2 Additional Requirements for Technical Documents**

4.2.1 For text type documents (A4 format), the cover page shall be the one indicated in Figure A.1 (cover) of Annex A. For the other sheets, use Figures A.2 (2<sup>nd</sup> sheet and others - vertical format) and A. 3 (2<sup>nd</sup> sheet and others - horizontal format) of Annex A.

4.2.2 For drawing type documents (A3, A2 A1 and A0 formats), a single sheet shall preferably be used, according to Figures A.4 (diagramming) and A.5 (legend) of Annex A.

4.2.3 For catalog-type documents (A3 format), the cover page shall be the one indicated in Figure A.6 (cover) of Annex A. For the other pages, use Figure A.7 (2<sup>nd</sup> page and others) of Annex A;

4.3.3 For A2 size or larger drawings and documents, use Figure A.9 of Annex A.

4.2.4 In addition to the provisions in this Standard, supplementary standards relating to the various project disciplines should be indicated by PETROBRAS. **[Recommended Practice]**

4.2.5 In Figure A.2, the dashed line is only a visual indication of the limits of the useful area of the document, and need not be shown on the printout. If this delimitation is necessary, it shall be depicted by a continuous line on the printout.

## **4.3 Forms Standardized by Other Standards**

4.3.1 The technical engineering form standardized by another PETROBRAS standard shall be updated by the CONTEC Authoring Subcommittee using the size, the dimensions of the forms and the legend according to the criteria set out in this Standard.

4.3.2 The internal part of the form, standardized by another PETROBRAS standard and updated by the CONTEC Authoring Subcommittee, shall be properly inserted in the appropriate size specified in this Standard.

4.3.3 At the bottom of the cover sheet should contain the information presented in the Examples below.

### **EXAMPLE 1**

According to [DI-1PBR-00337](#), information in this Document is Property of PETROBRAS, Being Prohibited Outside of Their Purpose.

Form Owned to PETROBRAS NI-381 Rev. M.

### **EXAMPLE 2**

According to document [PE-1TP-00365](#), information in this Document is Property of TRANSPETRO, Being Prohibited Outside of Their Purpose.

Form Owned to PETROBRAS NI-381 Rev. M.

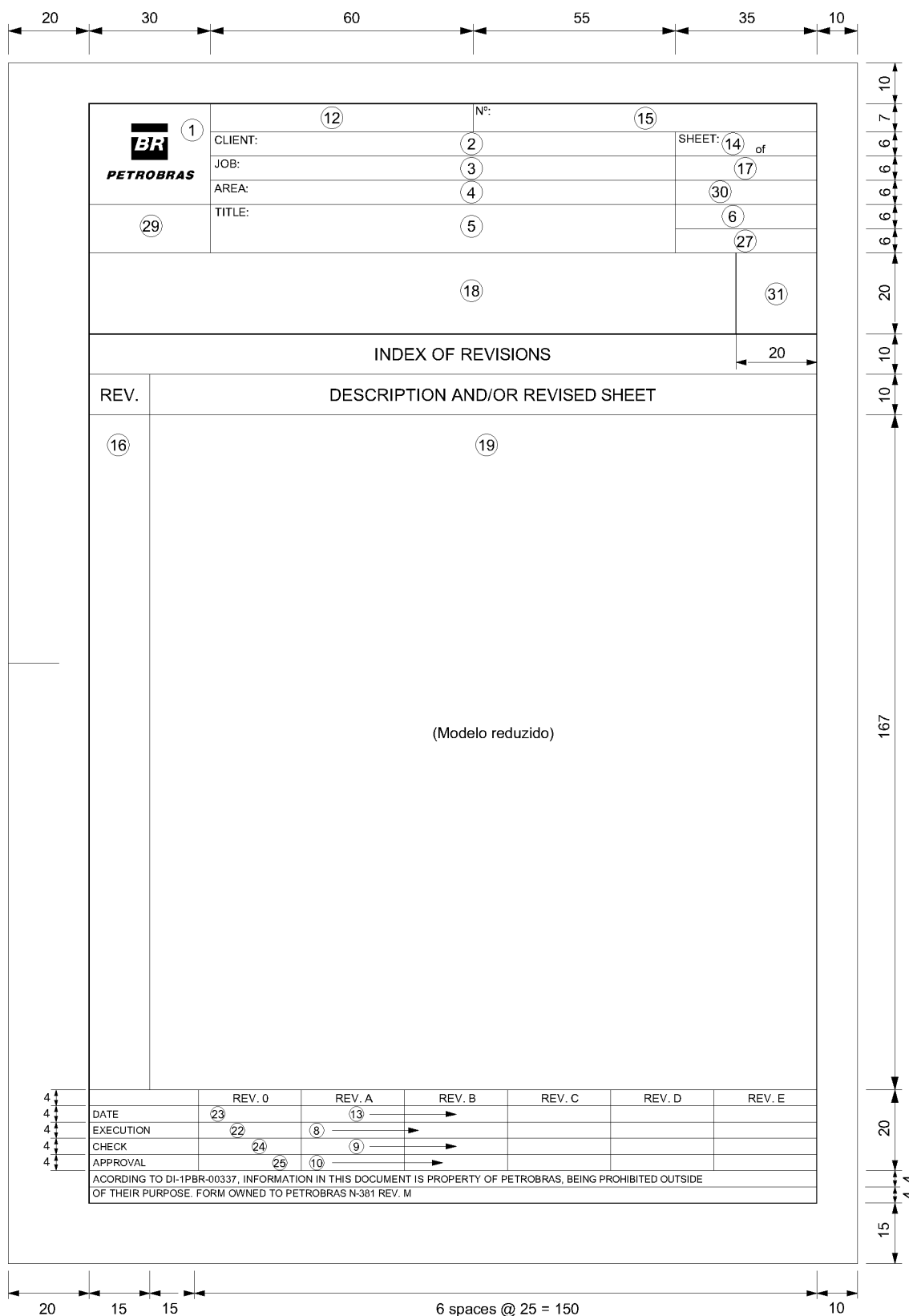


4.3.4 In the case of other subsidiaries, they must adjust the reference to the information classification guideline.

NOTE 1 The footnote information mentioned in 4.4.3 need not be repeated in the other sheets when the form is standard for a single standard. **[Recommended Practice]**

NOTE 2 Where the need to explain technical document prepared under different standards which are standardized, the footnote information mentioned in 4.4.3 should be repeated in their sheets.

# Annex A - Dimensions and General Layout for Drawings and Other General Technical Documents - Figures



20 30 60 55 35 10

10 7 6 6 6 6 6 20 10 10 167

1 12 15

**BR** PETROBRAS

CLIENT: 2 SHEET: 14 of 17

JOB: 3

AREA: 4 30

TITLE: 5 6 27

29 31

18

INDEX OF REVISIONS 20

REV. DESCRIPTION AND/OR REVISED SHEET

16 19

(Modelo reduzido)

	REV. 0	REV. A	REV. B	REV. C	REV. D	REV. E
DATE 23	13					
EXECUTION 22	8					
CHECK 24	9					
APPROVAL 25	10					

ACORDING TO DI-1PBR-00337, INFORMATION IN THIS DOCUMENT IS PROPERTY OF PETROBRAS, BEING PROHIBITED OUTSIDE OF THEIR PURPOSE. FORM OWNED TO PETROBRAS N-381 REV. M

20 15 15 6 spaces @ 25 = 150 10

4 4 4 4 20 4 4 15

**Figure A.1 - Form for A4 Format - 1st Sheet with Revision Index**

Diagram illustrating the form layout for A4 Format, 2nd Sheet and Following Ones. The form is defined by a dashed border and includes a header section with the following fields and dimensions:

- Header Section:**
  - Field 1:** Petrobras logo (BR PETROBRAS).
  - Field 2:** Title (TITLE:).
  - Field 3:** Sheet number (SHEET: 14 of 27).
  - Field 4:** Revision (REV. 16).
  - Field 5:** Model number (Nº: 2, 3 OR 4).
  - Field 6:** Model number (12).
  - Field 7:** Model number (15).
  - Field 8:** Model number (6).
  - Field 9:** Model number (27).
- Dimensions:**
  - Header Section:** 20 mm (left), 30 mm (top), 65 mm (right), 70 mm (bottom), 15 mm (right), 10 mm (bottom).
  - Main Body:** 145 mm (width), 252 mm (height), 35 mm (width).
  - Useful Area:** 180 mm (width), 252 mm (height).

**Figure A.2 - Form for A4 Format - 2nd Sheet and Following Ones**

(Reduced Model)

Useful area

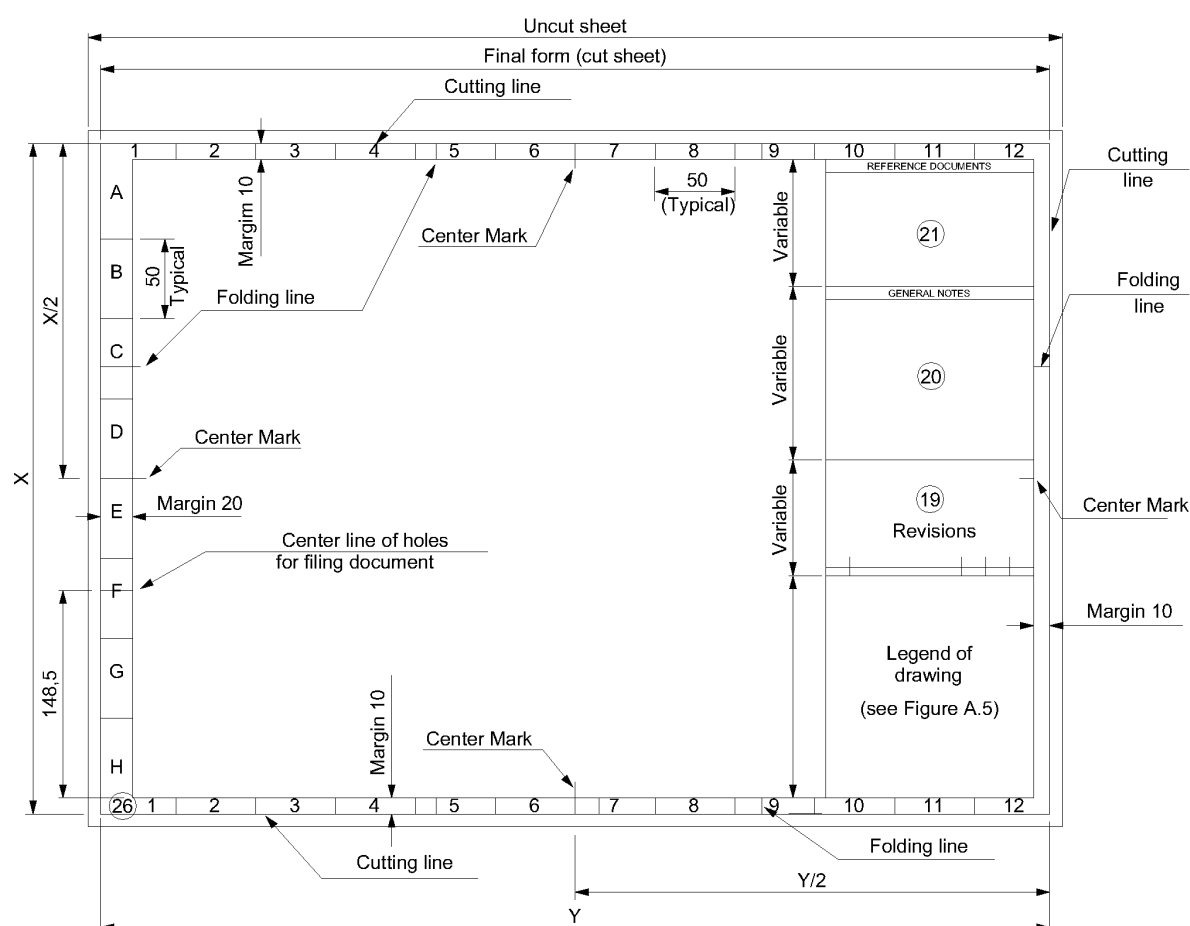
Dimensions (mm):

- Top margin: 20
- Right margin: 155
- Bottom margin: 10, 6, 6, 6, 7
- Left margin: 10, 102, 30, 110, 35, 10
- Header section widths: 60, 70, 15

Header section details:

- Logo: **BR PETROBRAS**
- Field 1: (1)
- Field 2: (12)
- Field 3: Nº: (15)
- Field 4: REV: (16)
- Field 5: (2) , (3) or (4)
- Field 6: SHEET: (14) of (6)
- Field 7: (27)
- Field 8: TITLE: (5)

**Figure A.3 - Form for A4 Format - (Horizontal) - 2nd Sheet and the Following Ones**



(Sizes in millimeters)

**Figure A.4 - General Layout of Drawing for A3 Format or Larger**

Diagram illustrating the layout and dimensions of the form N-381 (REV. M) in English.

The form is divided into several sections with the following dimensions and field numbers:

- Top Section:** Dimensions 10, 50, 12,5, 12,5, 12,5, 12,5. Fields: (16), (19), (13 and 23), (8 and 22), (9 and 24), (10 and 25).
- Table:** Dimensions 5, 10, 20, 15. Fields: REV., DESCRIPTION, DATE, EXEC., CHECK, APROV.
- Text Block:** ACCORDING TO DI-1PBR-00337, INFORMATION IN THIS DOCUMENT IS PROPERTY OF PETROBRAS, BEING PROHIBITED OUTSIDE OF THEIR PURPOSE. FORM OWNED TO PETROBRAS N-381 REV. M.
- Section 1:** Dimensions 80, 10, 20. Fields: (18), (31), (20).
- Section 2:** Dimensions 1, 6.
- Section 3:** Dimensions 2, 3, 4, 5.
- Section 4:** Dimensions 40, 35, 35. Fields: CLIENT:, JOB:, AREA:, TITLE:.
- Section 5:** Dimensions 29, 12, 17, 30, 11, 14. Fields: (29), (12), (17), (30), SCALE, SHEET (14) of.
- Section 6:** Dimensions 27, 15, 8. Fields: Nº, (27), (15).

Overall dimensions: 110 (width) and 78 (height).

**Figure A.5 - Legend**

[illegible]

**Figure A.6 - Form for A3 Format - 1st Sheet**



(Reduced model)

Useful area

Dimensions:

- Overall width: 208
- Overall height: 252
- Left margin: 20
- Right margin: 10
- Top margin: 10
- Bottom margin: 10
- Title block width: 110
- Title block height: 35
- Title block fields:
  - AREA: (1) (2) (3) or (4)
  - TITLE: (5)
  - N°: (6)
  - SHEET: (7) of (8)
  - REV.: (9)

NOTE This form shall be used in documents where there is a cover page revision index, see item 4.3.1 of N-2064

**Figure A.7 - Form for A3 Format - 2nd Sheet and Following Ones**

INDEX OF REVISIONS	
<b>REV. A, B, C, D and E</b>	
There is no index of revisions	
<b>REV. F</b>	
Affected Parts	Description of Alteration
All items	Revised
Figure A.1 to A.4	Revised
Figure A.6 to A.8	Revised
<b>REV. G</b>	
Affected Parts	Description of Alteration
3.4.3 e 3.4.4	Revised
3.5.2	Revised
3.5.4	Revised
3.6.2	Revised
4.3.2 e 4.3.3	Revised
4.4.3	Included
Figura A.1	Revised
Figuras A.5 e A.6	Revised
Figura A.7	Included
Figuras A.8 and A.9	Revised
<b>REV. H</b>	
Affected Parts	Description of Alteration
	Revalidation
<b>REV. J</b>	
Affected Parts	Description of Alteration
2	Revised
3.5.4	Revised
Figuras A.1 to A.9	Revised
<b>REV. K</b>	
Affected Parts	Description of Alteration
3.5.4	Revised
4.4.3	Revised

[illegible]