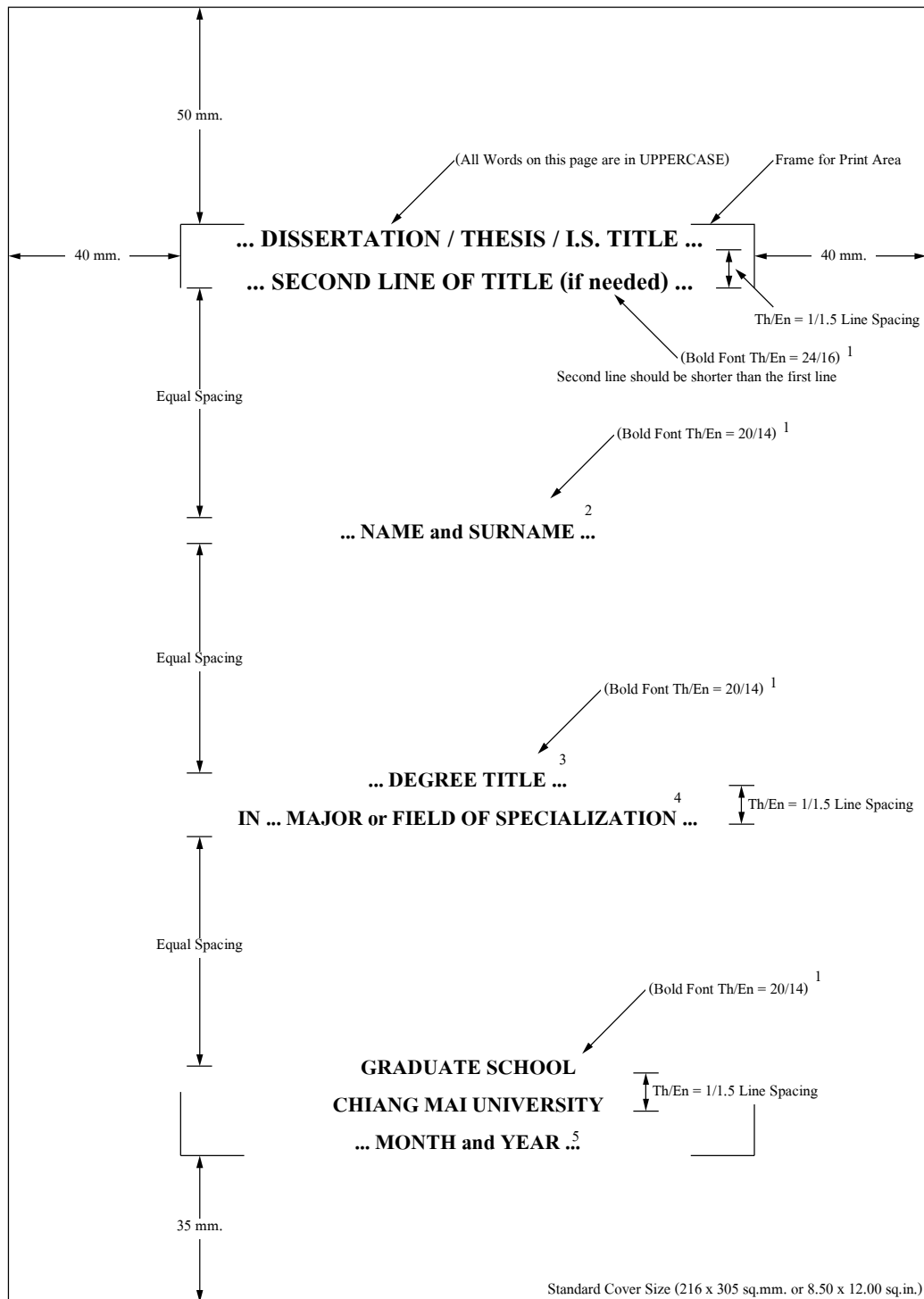


ปกหน้า / Front Cover



For Dissertation and Thesis, Front Cover must be Black Hardcover (Hardback or ปกแข็ง) with Gold Printed Characters

For Independent Study Report, Front Cover must be White Softcover (Paperback or ปกอ่อน) with Blue Printed Characters

¹ (Font Th/En) is Font Size for Thai (1-Line Spacing Angsana New or UPC) or English (1.5-Line Spacing Times New Roman)

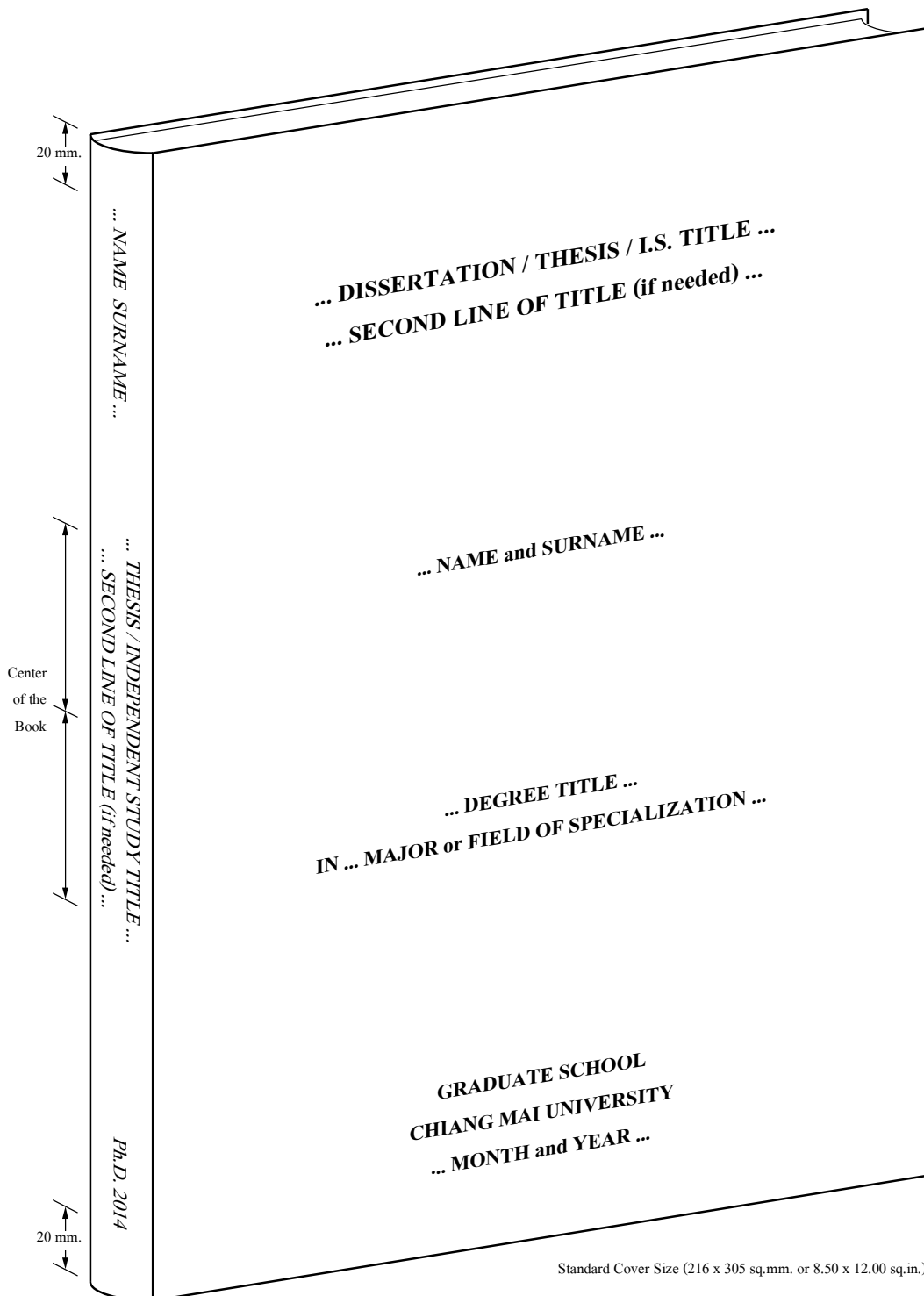
² NAME and SURNAME of the Author may include Middle Name, but without any title, rank, position, etc.

³ DEGREE TITLE for example: DOCTOR OF PHILOSOPHY, MASTER OF ENGINEERING, etc., ปรัชญาดุษฎีบัณฑิต ๑๓๑

⁴ MAJOR or FIELD OF SPECIALIZATION for example: ELECTRICAL ENGINEERING, BIOLOGY, สาขาวิชาภูมิศาสตร์

⁵ MONTH and YEAR for example: OCTOBER 2014, ตุลาคม 2557

การพิมพ์สันหนังสือ / Book Spine Printing



Book Spine is composed of three parts of printing. All texts are Center Aligned between Front Cover and Back Cover

First part is NAME and SURNAME of the author without any title starting at 20 mm. from the top edge of the book spine

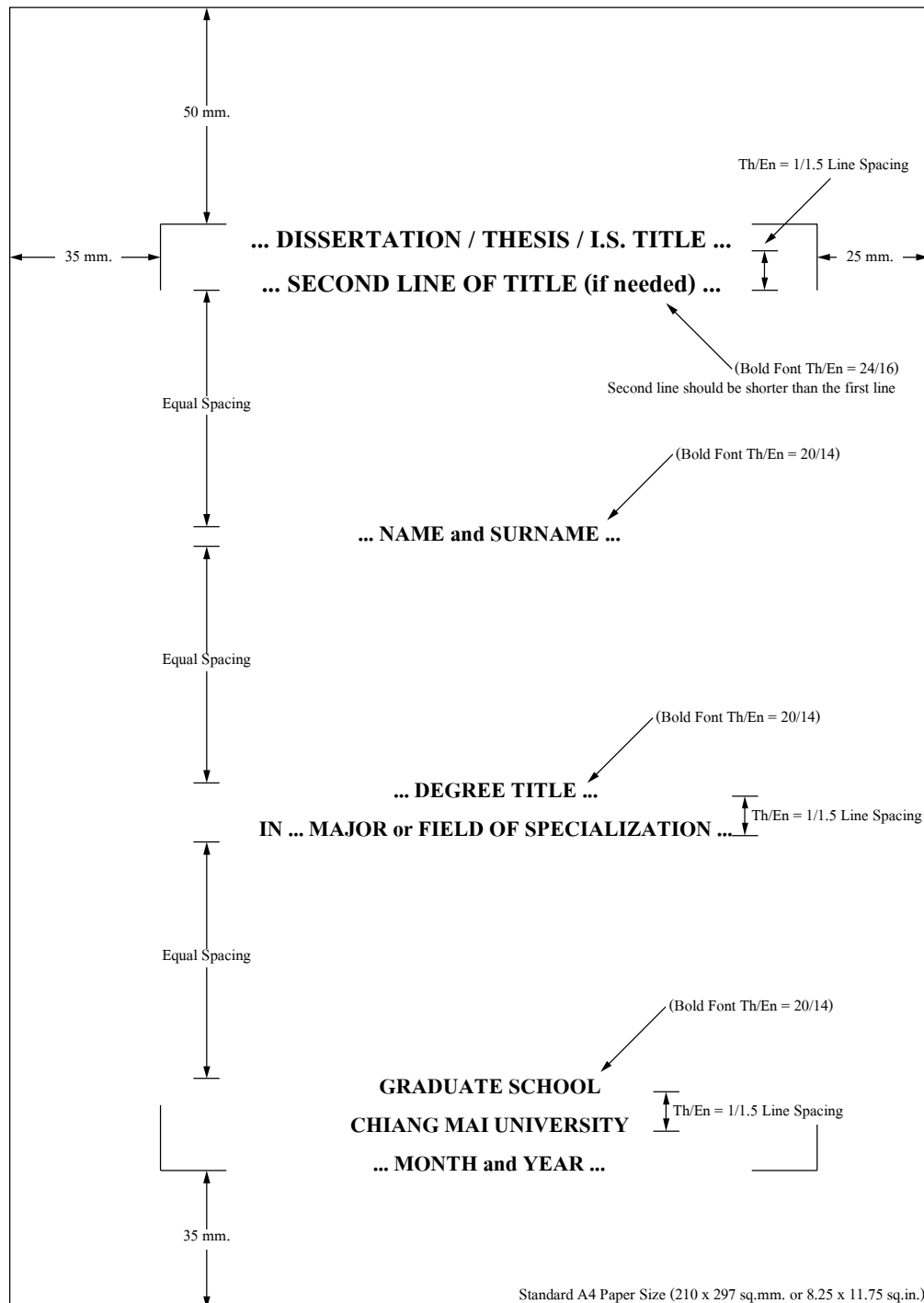
Second part is one or two lines of the Title which is Horizontally and Vertically Center Aligned

Third part is the Abbreviation of the Degree followed by the Year of granting without comma “,” in between

The third part is Right Aligned at 20 mm. from the bottom edge of the book spine

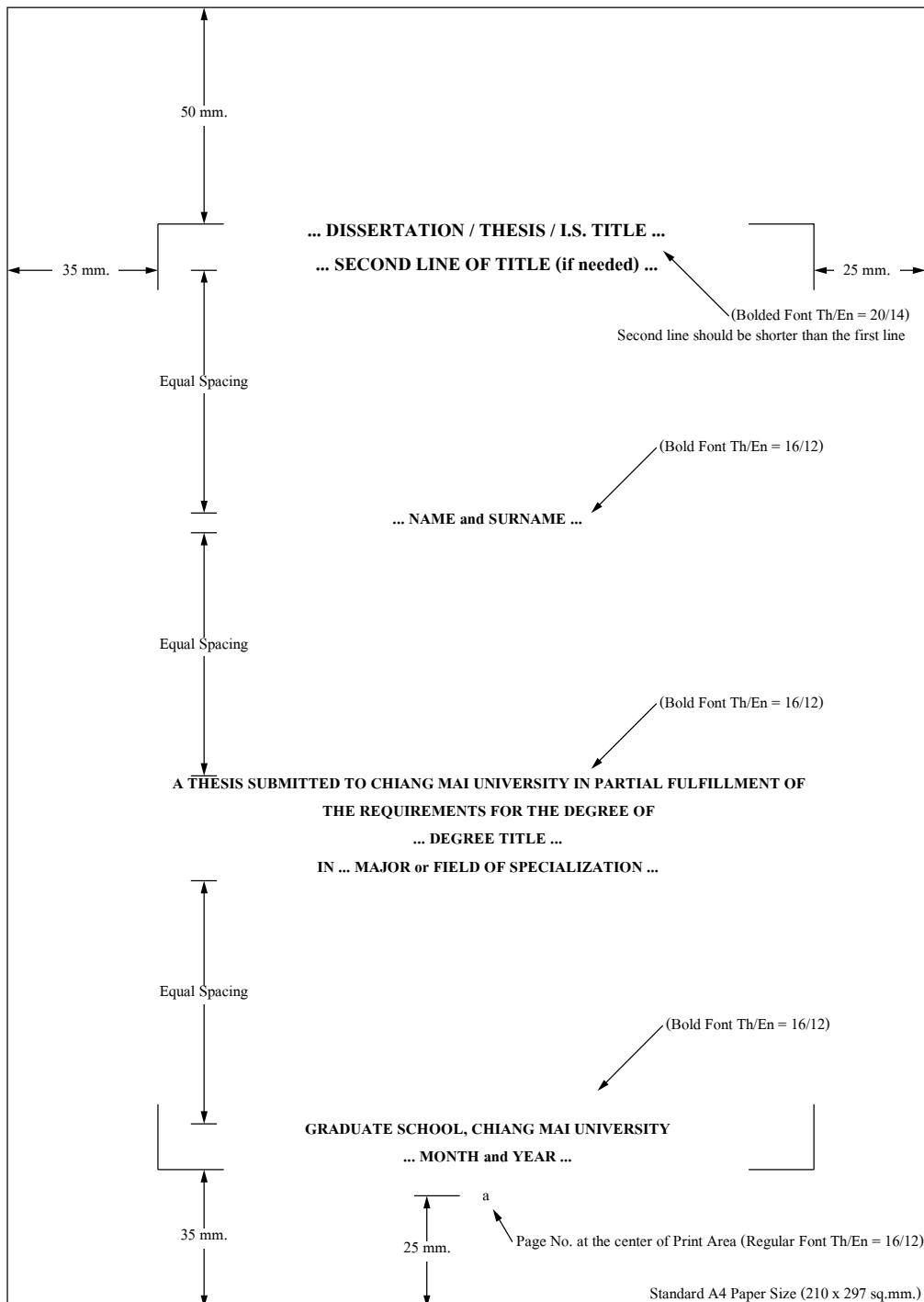
All Fonts are Bold in Thai or English up to the language used. Font Size is adjustable to the thickness of the book spine

หน้าปกใน / Inner Cover Page



Wordings and Font Sizes on the Inner Cover Page are similar to of the Front Cover, but printed with black ink (Laser Printer is Preferable) on white A4-standard paper sheet (210 x 297 sq.mm. or 8.25 x 11.75 sq.in.) Thesis/IS may be written in Thai mixing with English or English Only. In case of Thai with English, Single Line Spacing Angsana New or Angsana UPC Font is used. For English only, 1.5-Line Spacing Time New Roman Font is used instead Normally, Thesis/IS is printed on Single-Side Paper Sheets, but may be printed on Double-Side Paper Sheets depending on the Thickness of the Book, say 250 pages or more For Single-Side Printing, 80 gram Paper Density is used. For Double-Side Printing, the Paper Density should be 100 gram However, Front Matter, from Inner Cover Page to Abstract in English, should be printed on Single-Side Paper Sheets

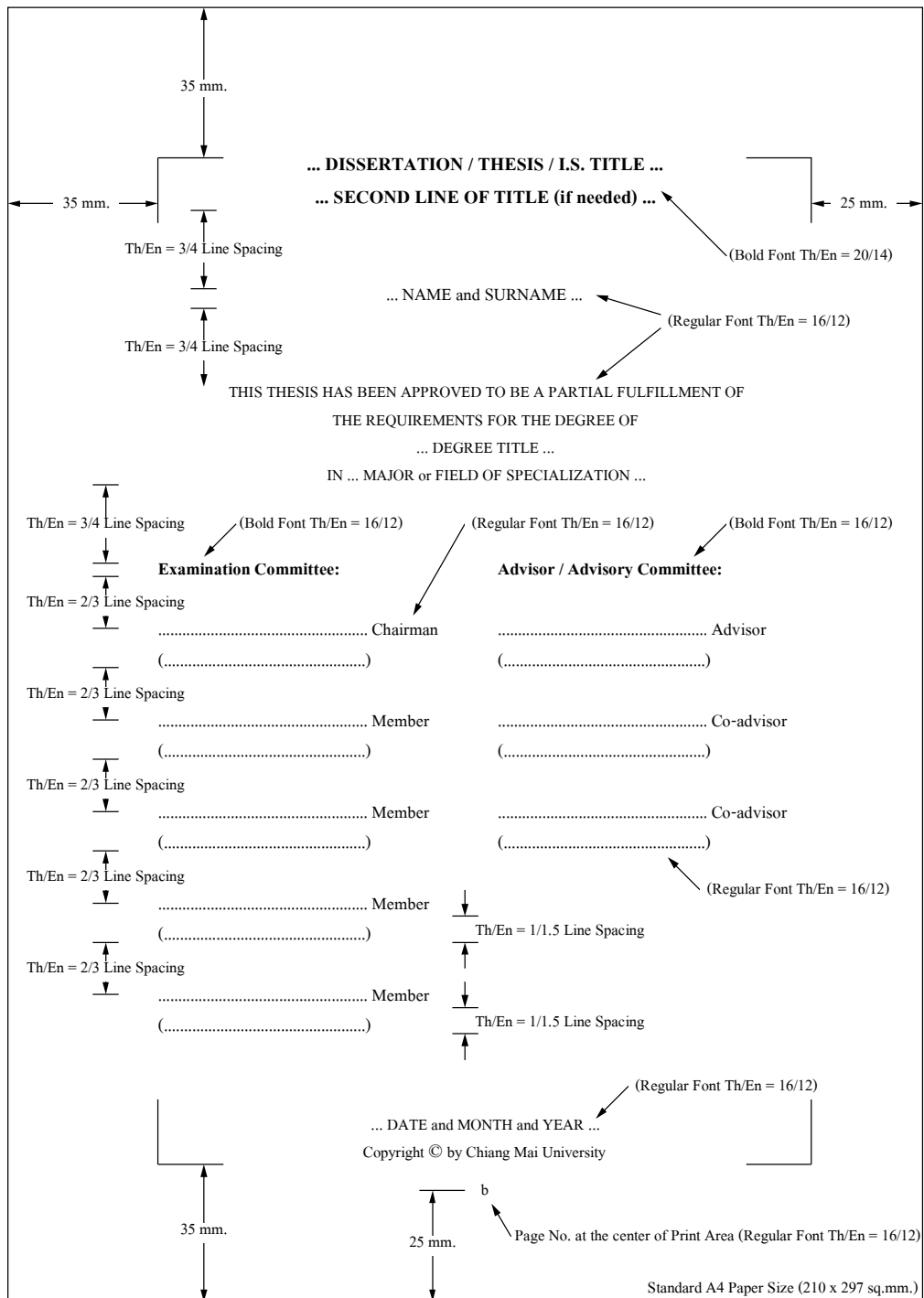
หน้าหัวข้อ / Title Page



Words on this Title Page are similar to of the Inner Cover Page but font sizes are proportionally reduced as specified above

This Title Page is ordered as the First Page of the Front Matter by using Running Page Alphabets/Numbers placed at the center of the print area with 25 mm. above the lower edge of the paper sheet
 English Alphabets "a", "b", "c", ... or Roman Number "i", "ii", "iii", ... can optionally be used for English Writing Thesis
 Thai Characters "ก", "ข", "ค", ... is used for Thai Writing Thesis

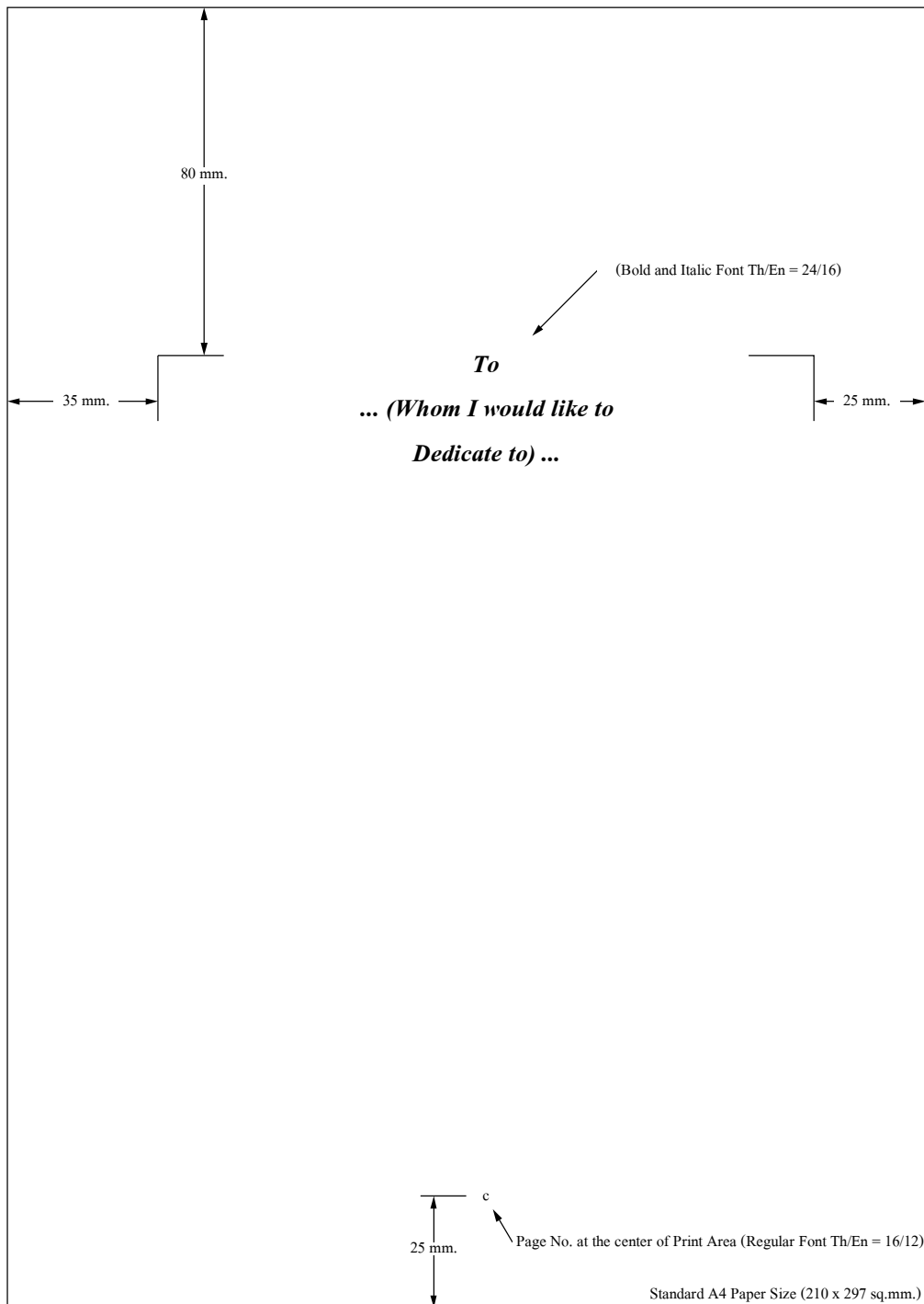
หน้าอนุมัติ / Approval Page



Font Size for Dissertation/Thesis / I.S. Title on this Approval Page is 20 point and Bold for Thai (Angsana New) or 14 point and Bold for English (Times New Roman)

Academic Position and/or Titles of Examiners and Their Advisor (if alone) or Their Advisory Committee should be included, e.g., Professor (or Prof.), Associate Professor (or Assc. Prof.), Assistant Professor (or Asst. Prof.) and/or Dr. The lowest part comprises Date, Month and Year of Examination as indicated in the Examination Committee Appointment Order/Letter issued by the Graduate School and Statement of Assertion to claim the Copyright. This page is ordered as the second page of the Front Matter which it should be page "b" or "ii" for English or "๗" for Thai. Page Alphabet/Number is at the center of print area with 25 mm. above the lower edge of the paper sheet.

หน้าคำอุทิศ / *Dedication Page*

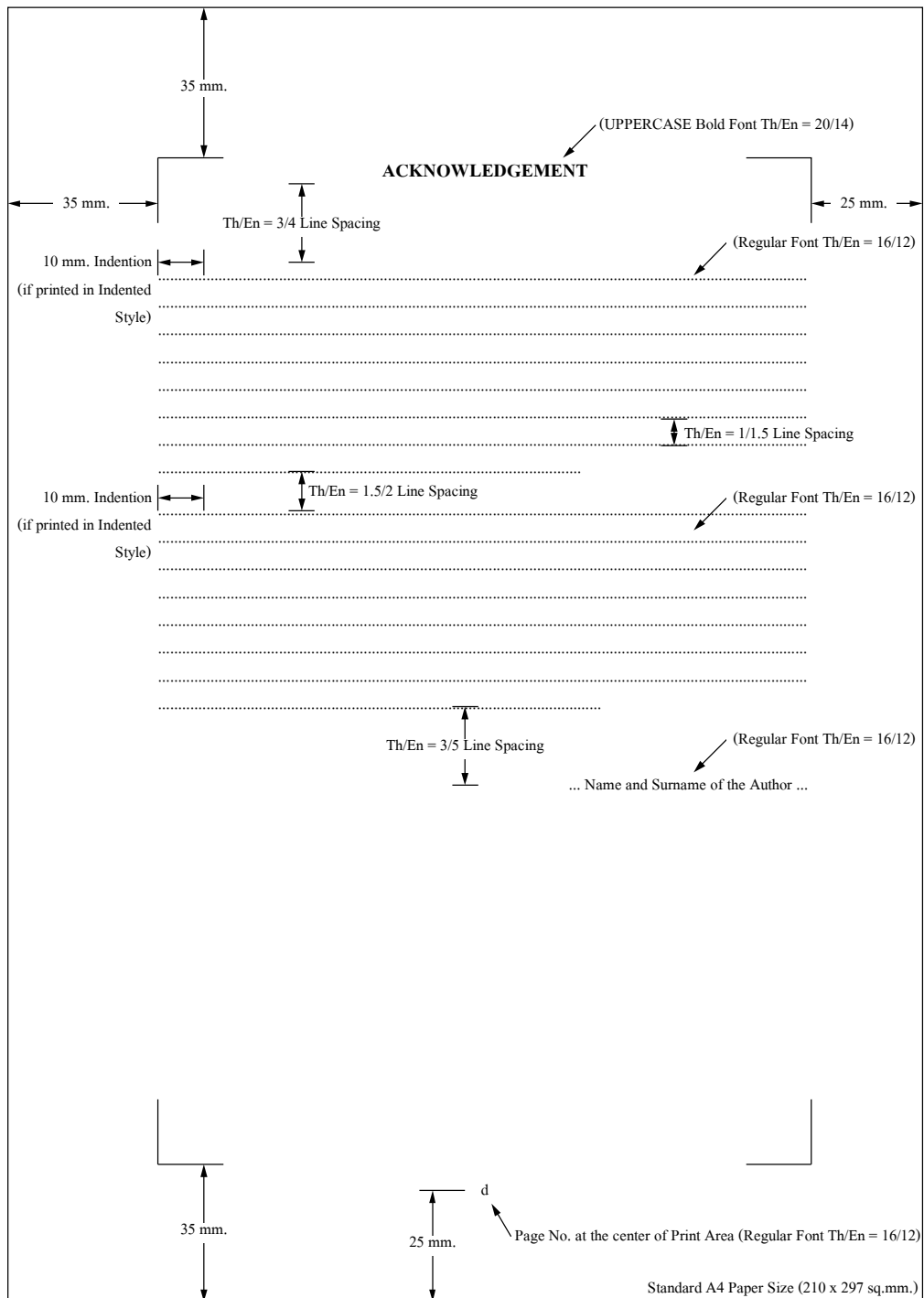


Dedication Page is Optional and placed next after the Title Page

It can be one or multiple lines of words dedicated to one(s) who beloved, inspiring or supporting the author in order to make the Thesis successful

If available, the Dedication Page is ordered as the third page of the Front Matter and should be page “c” or “iii” for English or “ค” for Thai

หน้ากิตติกรรมประกาศ / Acknowledgement Page



Acknowledgement Page is for expressing the Author's Appreciation to anybody or for recognizing people or institutions who did help the author doing research and/or writing Thesis/Independent Study

Statement of Acknowledgement may be one or more Paragraphs and end up with Name and Surname of the Author Without any Title

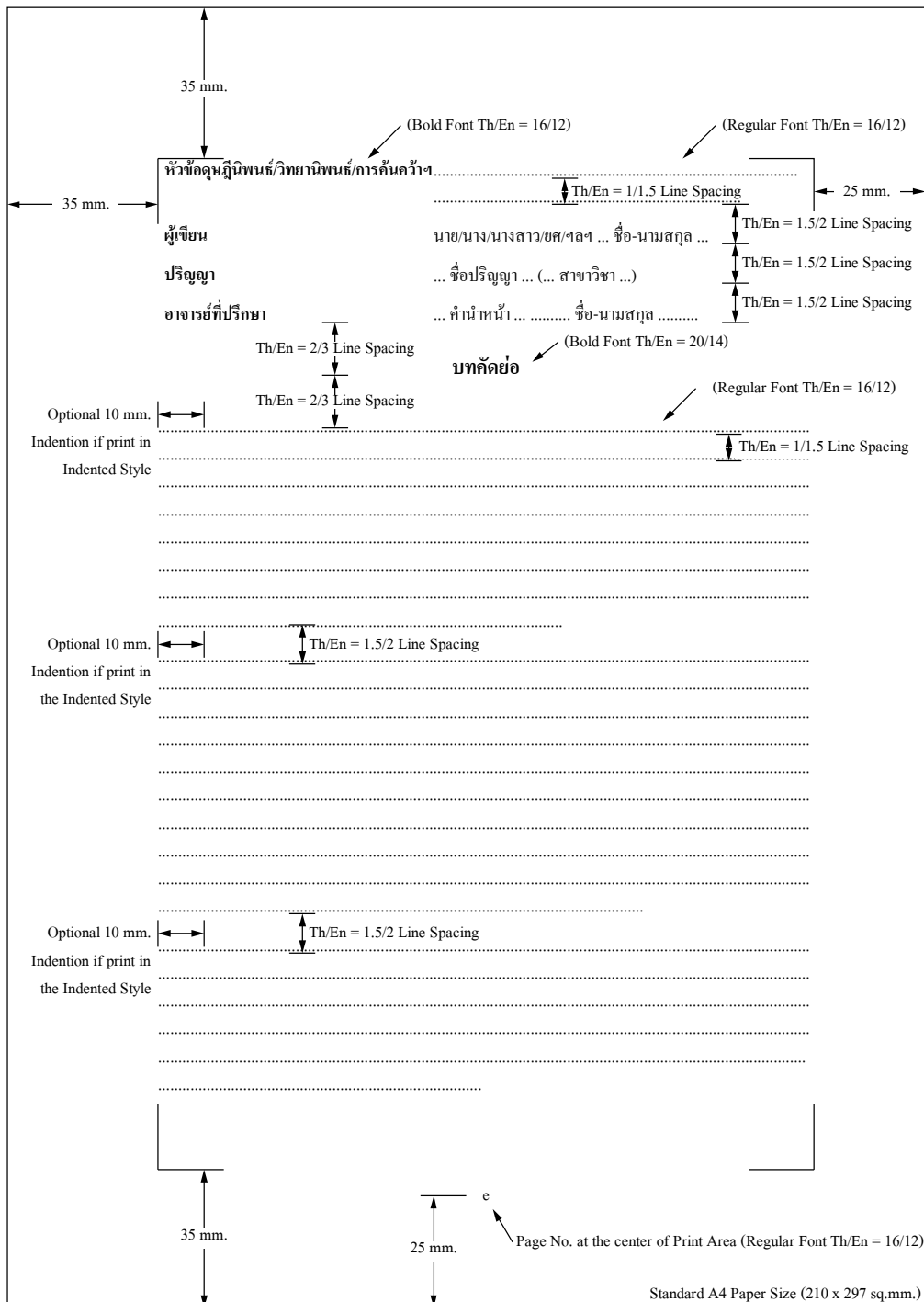
This Acknowledgement Page is next after the Dedication Page and ordered as the fourth page of the front matter

Note: The example shown above is printed in the Block Style (No Indentation on the First Line of Each Paragraph)

If it is printed in the Indented Style, the First Line of Each Paragraph must be started at 10 mm. to the right of paragraph

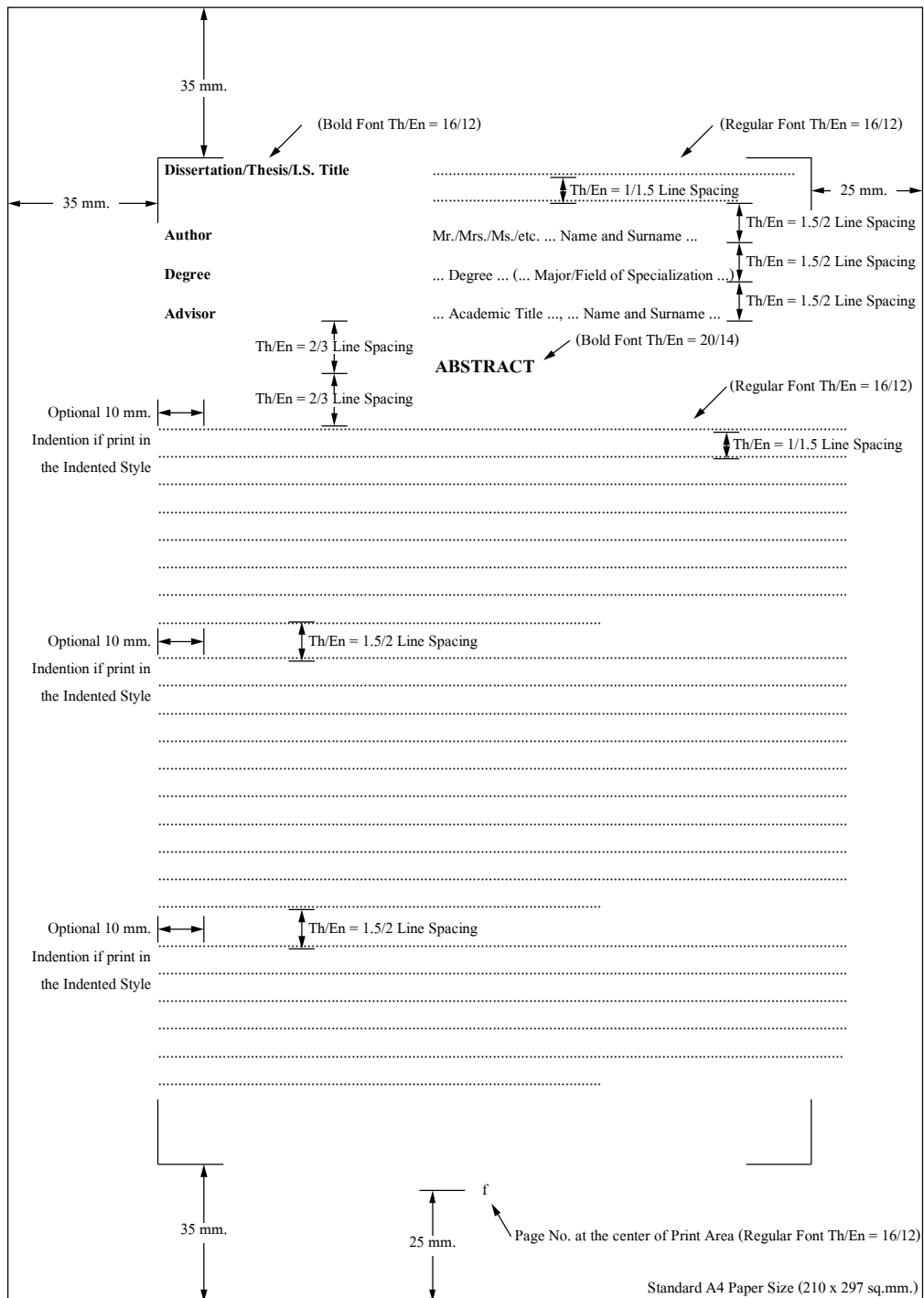
When the author chooses either Block Style or Indented Style, the Same Style must be used for the whole Thesis/I.S.

หน้าบทคัดย่อภาษาไทย / Abstract (in Thai) Page



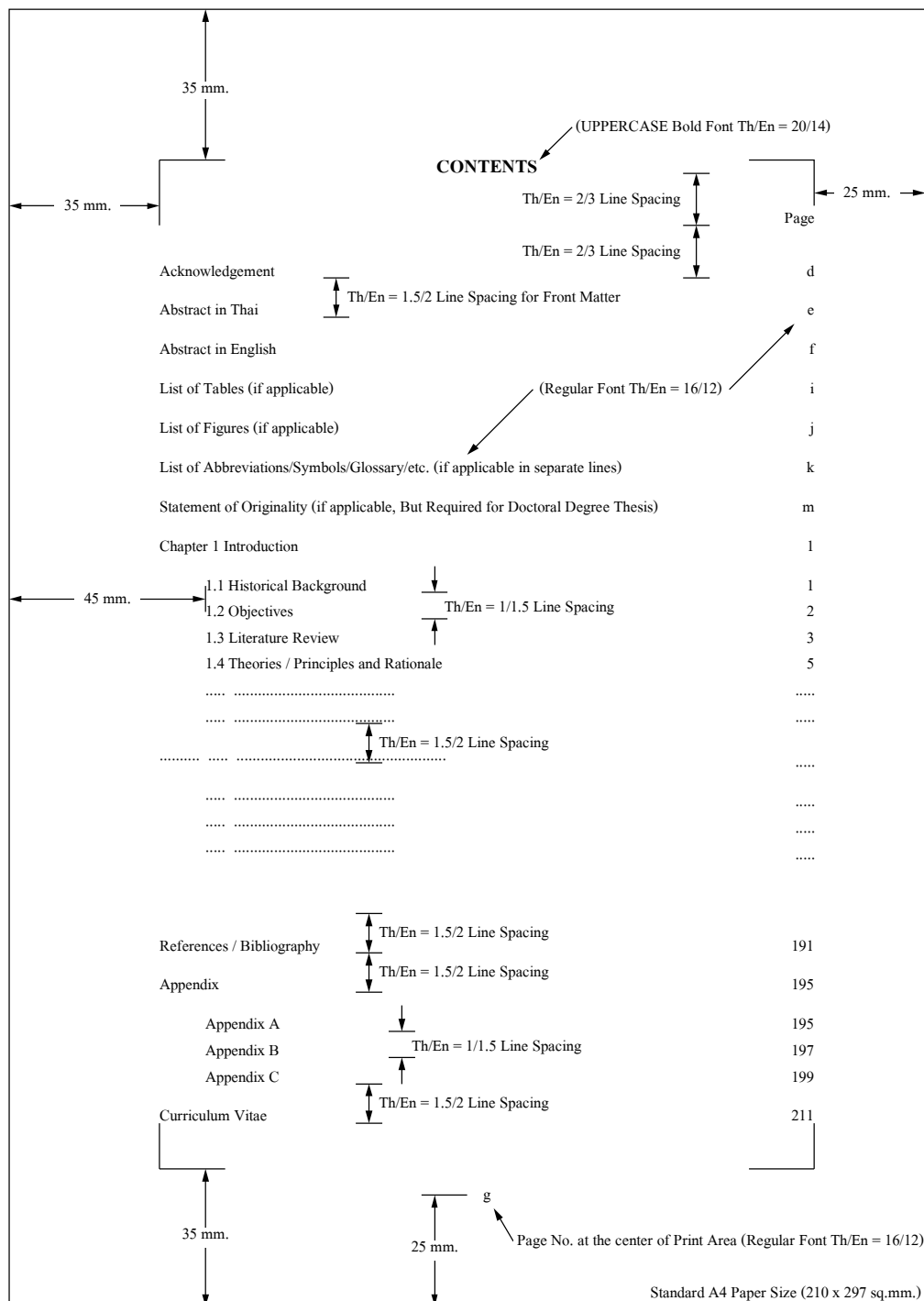
Abstract is a Brief Summary of the Dissertation/Thesis/I.S. describing the Whole Story of the work done within One Page
 It may be divided into paragraphs starting from the Background, Rationale, until Output and Outcome of the research work
 Especially, it should describe the Main Contribution of the author to the Academic and/or Professional Development
 On this page, the name of the author should begin with title(s)
 Every Thesis or Independent Study Report must have Abstract in Both Thai and English on Separate Pages
 This Thai Abstract (บทคัดย่อ) Page is next after the Acknowledgement Page
 and ordered as page "e" or "v" (Roman Number) for English writing or "จ" for Thai writing
 Block Style or Indented Style must be same as the style used in the Acknowledgement Page and also the Rest of the Book

หน้าบทคัดย่อภาษาอังกฤษ / Abstract (in English) Page



Abstract is a Brief Summary of the Dissertation/Thesis/I.S. describing the Whole Story of the work done within One Page
 It may be divided into paragraphs starting from the Background, Rationale, until Output and Outcome of the research work
 Especially, it should describe the Main Contribution of the author to the Academic and/or Professional Development
 On this page, the name of the author should begin with title(s)
 Every Thesis or Independent Study Report must have Abstract in Both Thai and English on Separate Pages
 This English Abstract (บทคัดย่อ) Page is next after the Abstract (in Thai) Page
 and ordered as page “f” or “vi” (Roman Number) for English writing or “ฉ” for Thai writing
 Block Style or Indented Style must be same as the style used in the Acknowledgement Page and also the Rest of the Book

หน้าสารบัญ / Contents Page



Contents (in Thai “สารบัญ” or “สารบาญ”) begins with Acknowledgement, Abstract in Thai, Abstract in English and so on but the Contents itself with Page Number does not appear on the List of Contents

List of Abbreviations, Symbols, Glossary, etc. should be in Separate Sections and appear in Different Lines

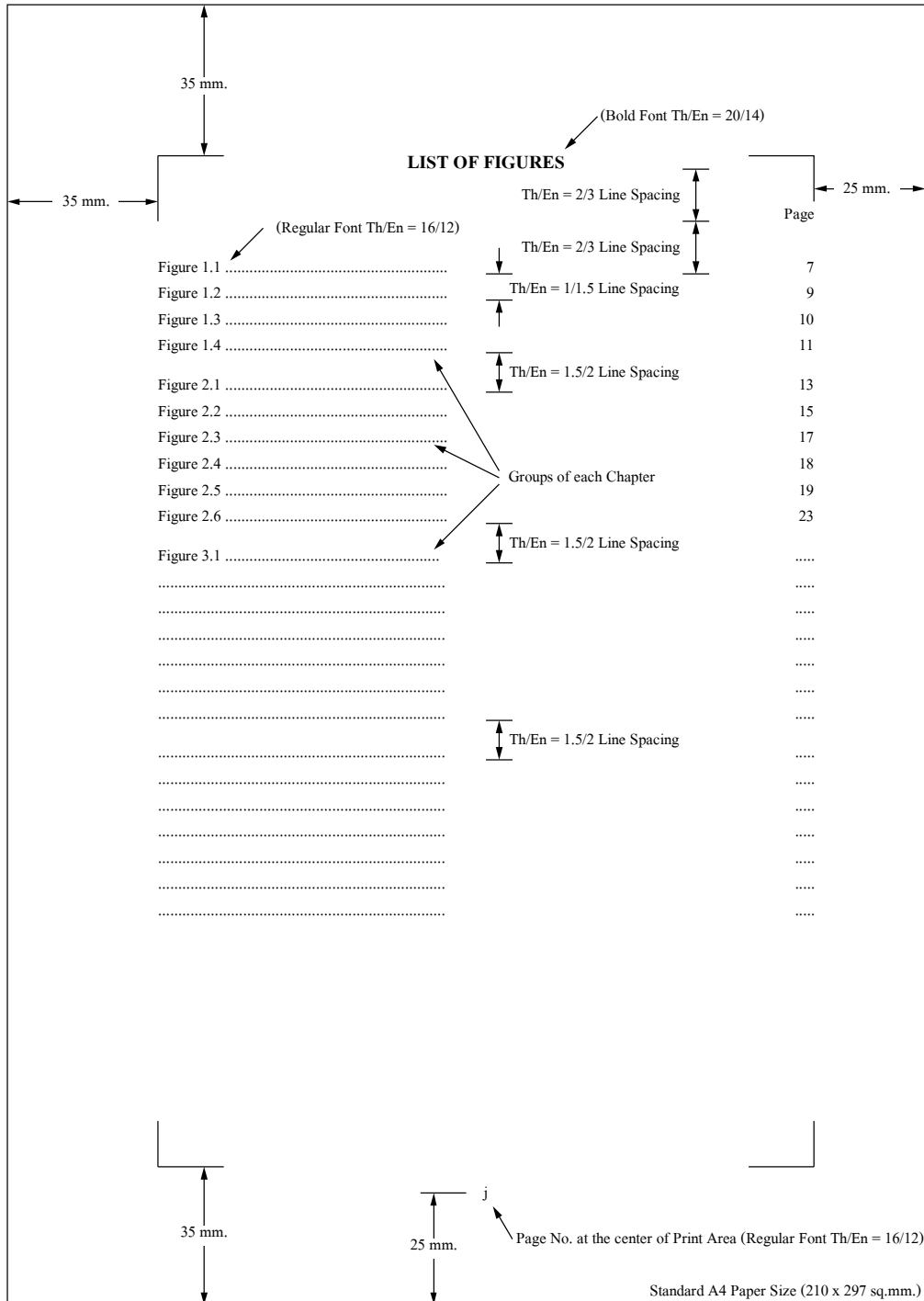
For Doctoral Degree Thesis, Statement of Originality is Compulsory

Each Subtopic (First Level Subtopic) under Chapters or Appendix should be placed at 10 mm. indention

Second Level Subtopics may optionally be included under the First Level Subtopics and placed at 20 mm. indention

Second Level Subtopics should be the Final Level to appear in the List of Contents

หน้าสารบัญภาพ / List of Figures Page



List of Figures of each chapter should be in the same group

Different group of List of Figures should be separated by 1.5 or 2 Line Spacing for Thai or English Writing respectively

For Thai Writing, the word "Figure" is changed to be "ภาพที่"

หน้าสารบัญตาราง (ทางเลือก) / List of Tables Page (Optional)

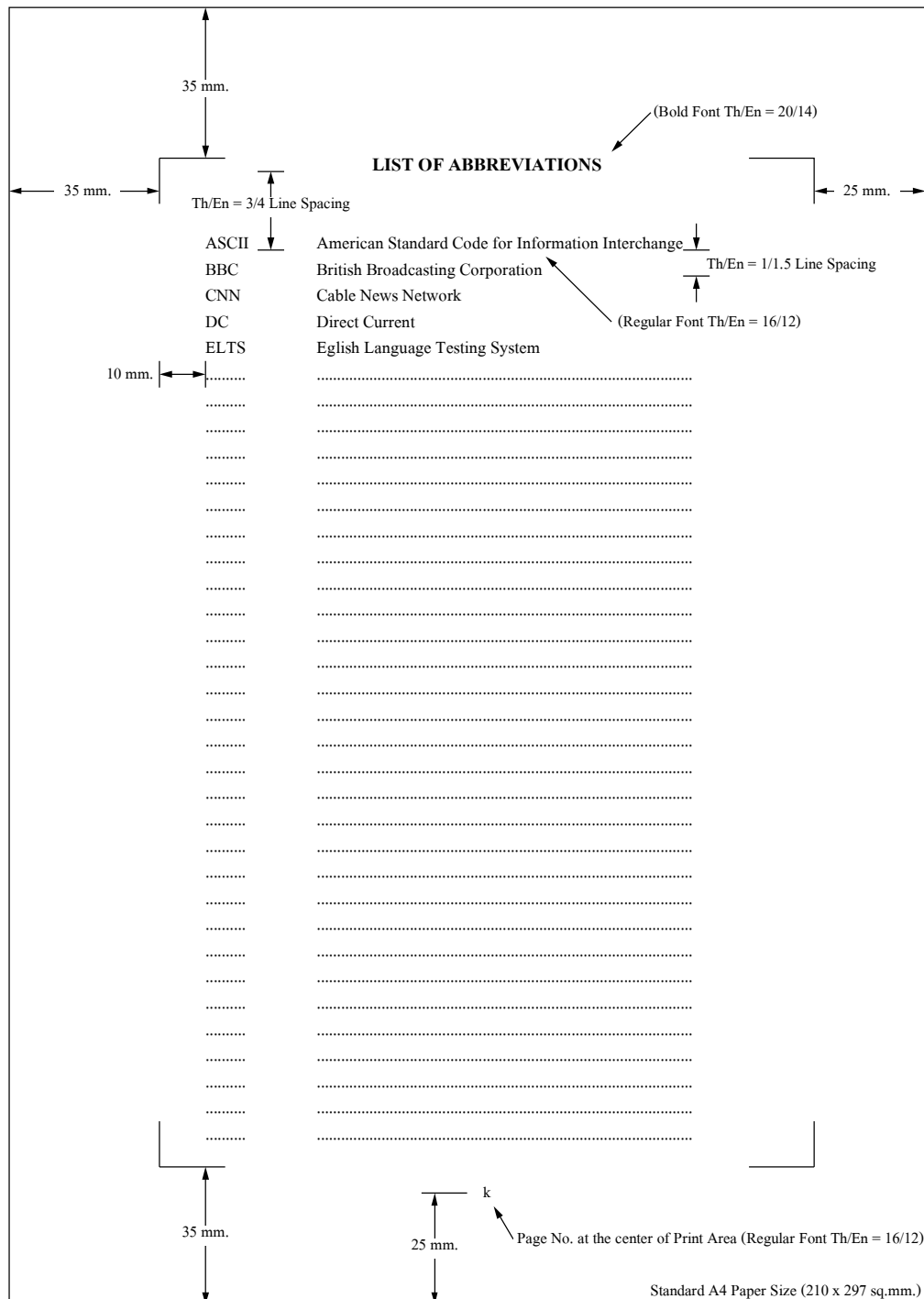
LIST OF TABLES		Page
1.1	7	7
1.2	9	9
1.3	10	10
1.4	11	11
2.1	13	13
2.2	15	15
2.3	17	17
2.4	18	18
2.5	19	19
2.6	23	23

หน้าสารบัญภาพ (ทางเลือก) / List of Figures Page (Optional)

LIST OF FIGURES		Page
1.1	7	7
1.2	9	9
1.3	10	10
1.4	11	11
2.1	13	13
2.2	15	15
2.3	17	17
2.4	18	18
2.5	19	19
2.6	23	23

List of Tables and List of Figures may optionally be arranged in the formats shown above. The word "Table" and "Figure" are placed above the Table Numbers and Figure Numbers on each section rather than placed in front of each Table Number and Figure Number.

หน้ารายการอักษรย่อ / List of Abbreviations Page

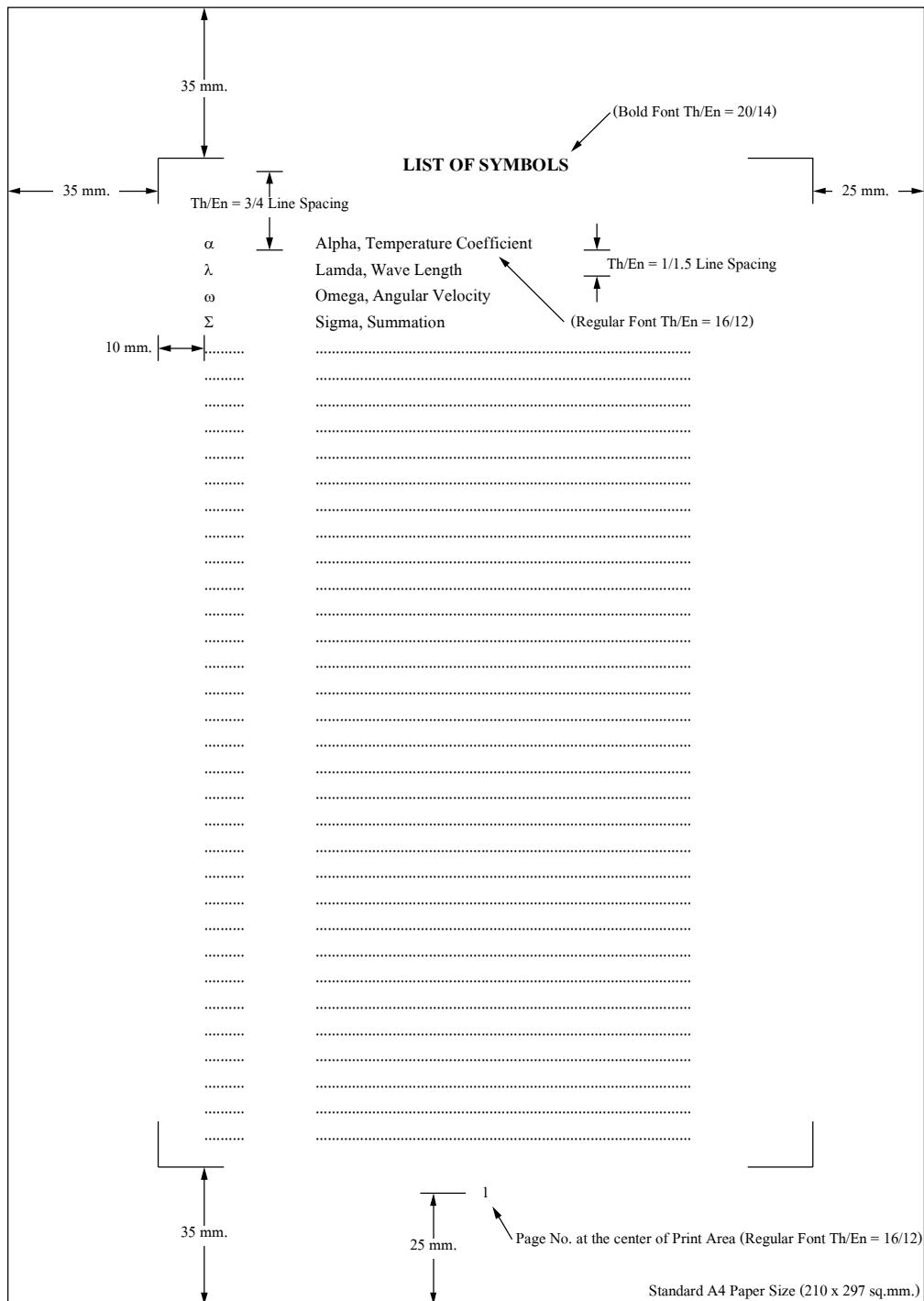


List of Abbreviations may be in the Form of List as shown above or in the Form of Table

They may be Left Aligned or may be moved a little to the right, say 10 mm., in order to make this page easy-to-read

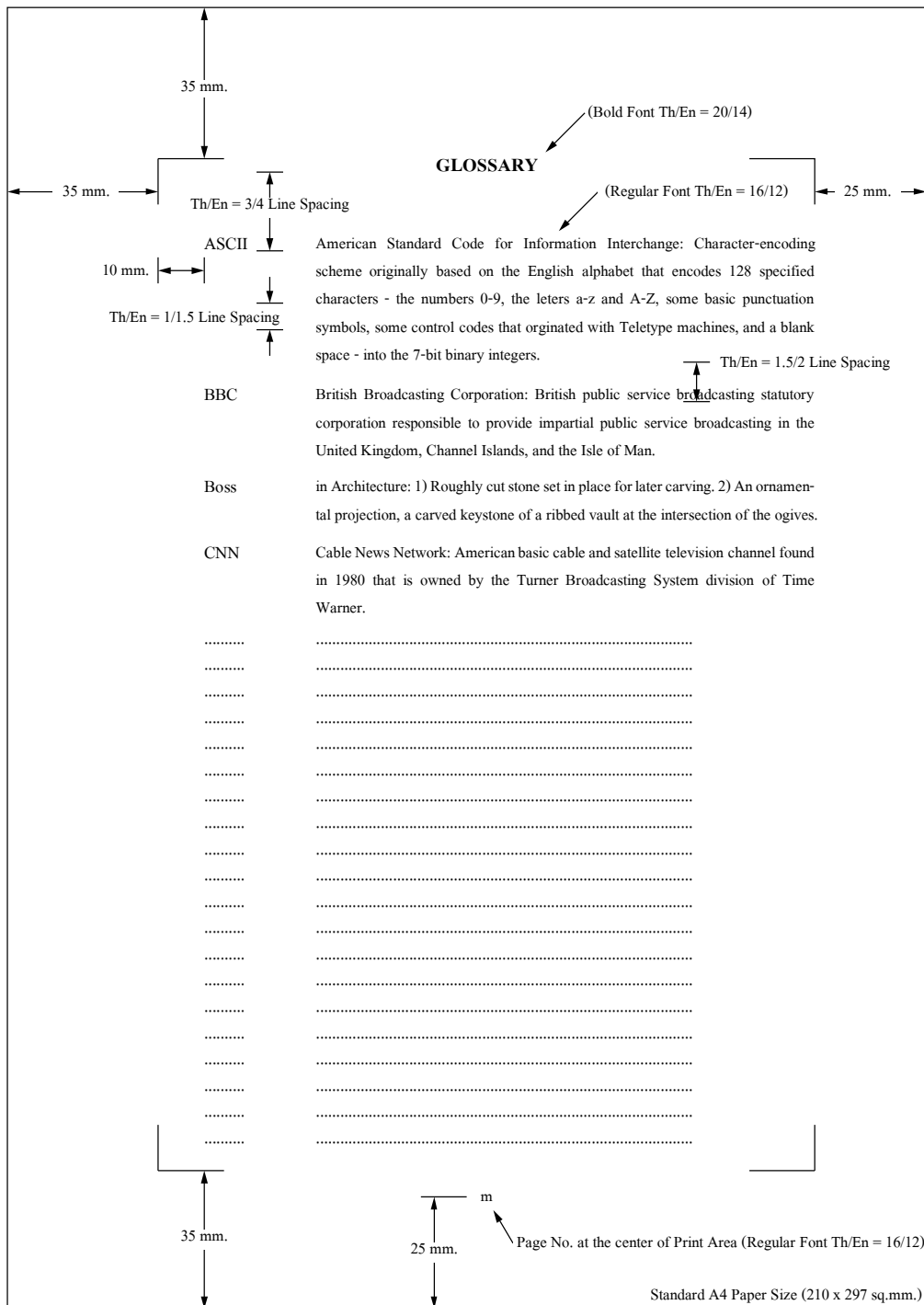
List of Abbreviation Page is optional, if applicable it should be next after the List of Figures Page

หน้ารายการสัญลักษณ์ / List of Symbols Page



List of Symbols may be in the Form of List as shown above or in the Form of Table
 They may be Left Aligned or may be moved a little to the right, say 10 mm., in order to make this page easy-to-read
 List of Symbols Page is optional, if applicable it should be next after the List of Abbreviations Page

หน้าอภิธานศัพท์ / Glossary Page



Glossary is an Alphabetical List of Terms with Definitions in a Specific Area of Knowledge

Sometimes, Abbreviations are also included in this section but more details are described

Terms listed in this part are normally Jargon in the Field of Specialization

Glossary may be in the Form of List as shown above or in the Form of Table. They may be Left Aligned or may be moved a

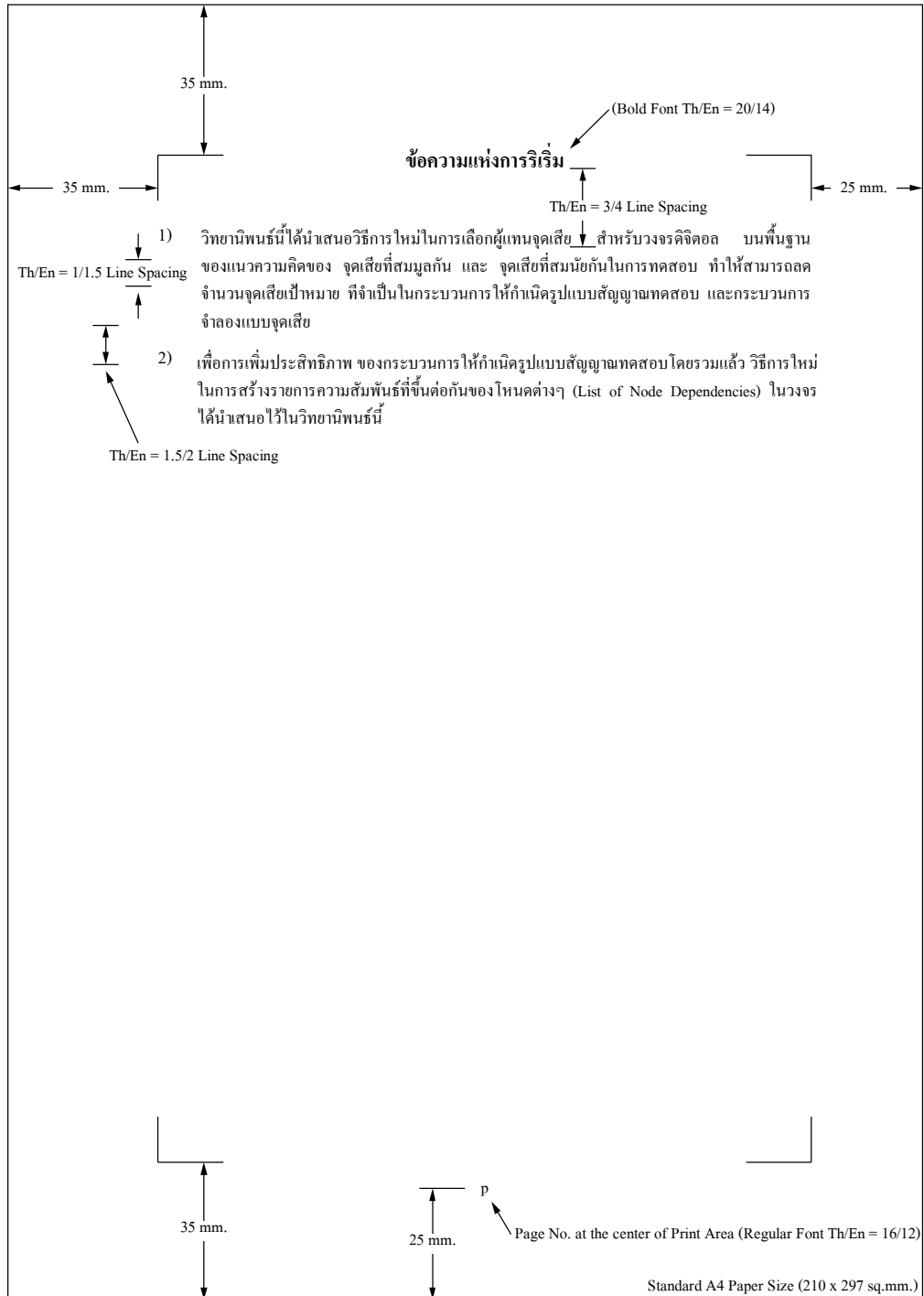
little to the right, say 10 mm., in order to make this page easy-to-read

Glossary Page is optional, if applicable it should be just before the Statement of Originality Page

Sometimes it is put as a part in the Appendix Section or in a Separate Section at the end of the book, rather than in the Front

Matter, due to the Limitation in the Number of Pages in the Front Matter

หน้าข้อความแห่งการริเริ่ม / Statement(s) of Originality Page



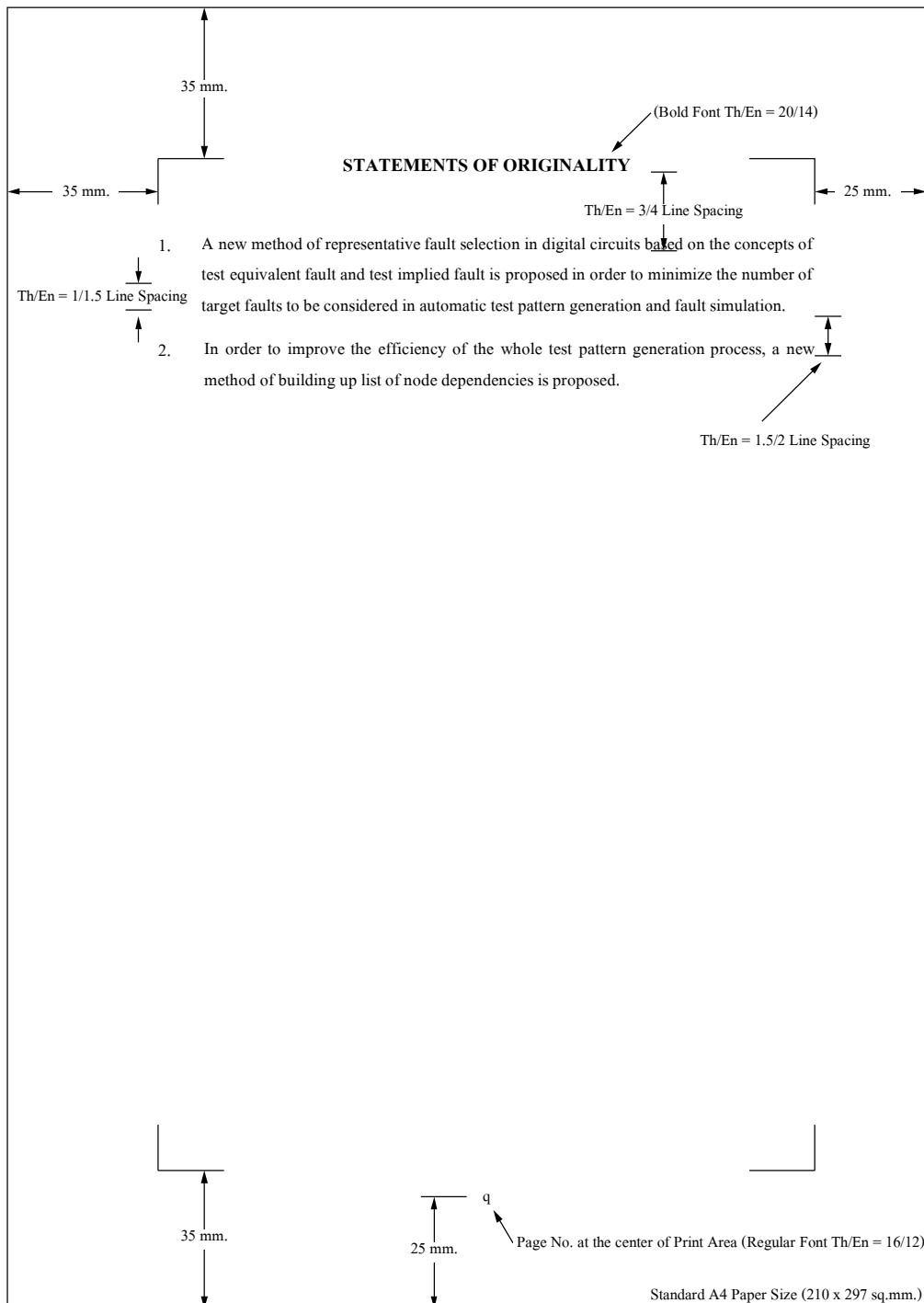
Statement(s) of Originality is to declare and claim the Author's Own Work which it does not contain any materials previously published or written by other people, or accepted for any other degree or diploma at any educational institution

Statement(s) of Originality could be more than one sentence, if there are more than one originality created by the author

Each originality should be stated in a separate sentence or paragraph

Statements of Originality in Both Thai and English Languages are required in Separate Pages and are mandatory for Dissertation or Doctoral Degree Thesis

หน้าข้อความแห่งการริเริ่ม / *Statement(s) of Originality Page*



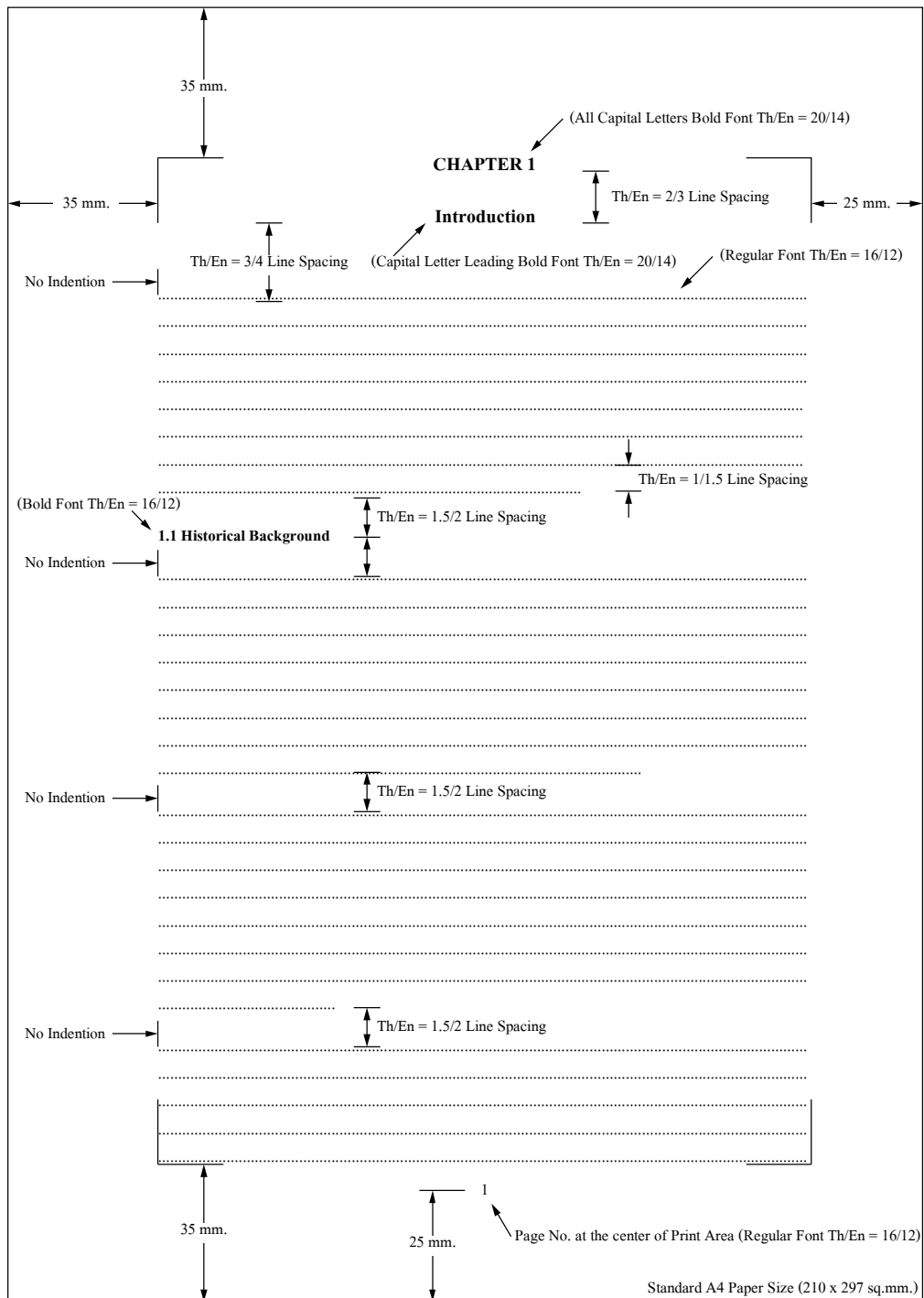
Statement of Originality is to declare and claim the Author's Own Work which it does not contain any materials previously published or written by other people, or accepted for any other degree or diploma at any educational institution

Statement of Originality could be more than one sentence, if there are more than one originality created by the author

Each originality should be stated in a separate sentence or paragraph

Statements of Originality in Both Thai and English Languages are required in Separate Pages and are mandatory for Dissertation or Doctoral Degree Thesis

หน้าแรกของบทแบบบล็อก / *Block Style First Page of Chapter*



The First Line "CHAPTER X" is all Capital Letters with Bold Font sized 20 or 14 for Thai or English respectively

The Title of Chapter, is capital letter begun words with bold font sized 20 or 14 for Thai or English respectively

The Main Subtitles or First Level Subtitle (x.x ...) of Chapters are Bold Font sized 16 or 12 for Thai or English respectively

The First Level Subtitles and Body Text (Paragraphs) under them are Left Justified (no indentation)

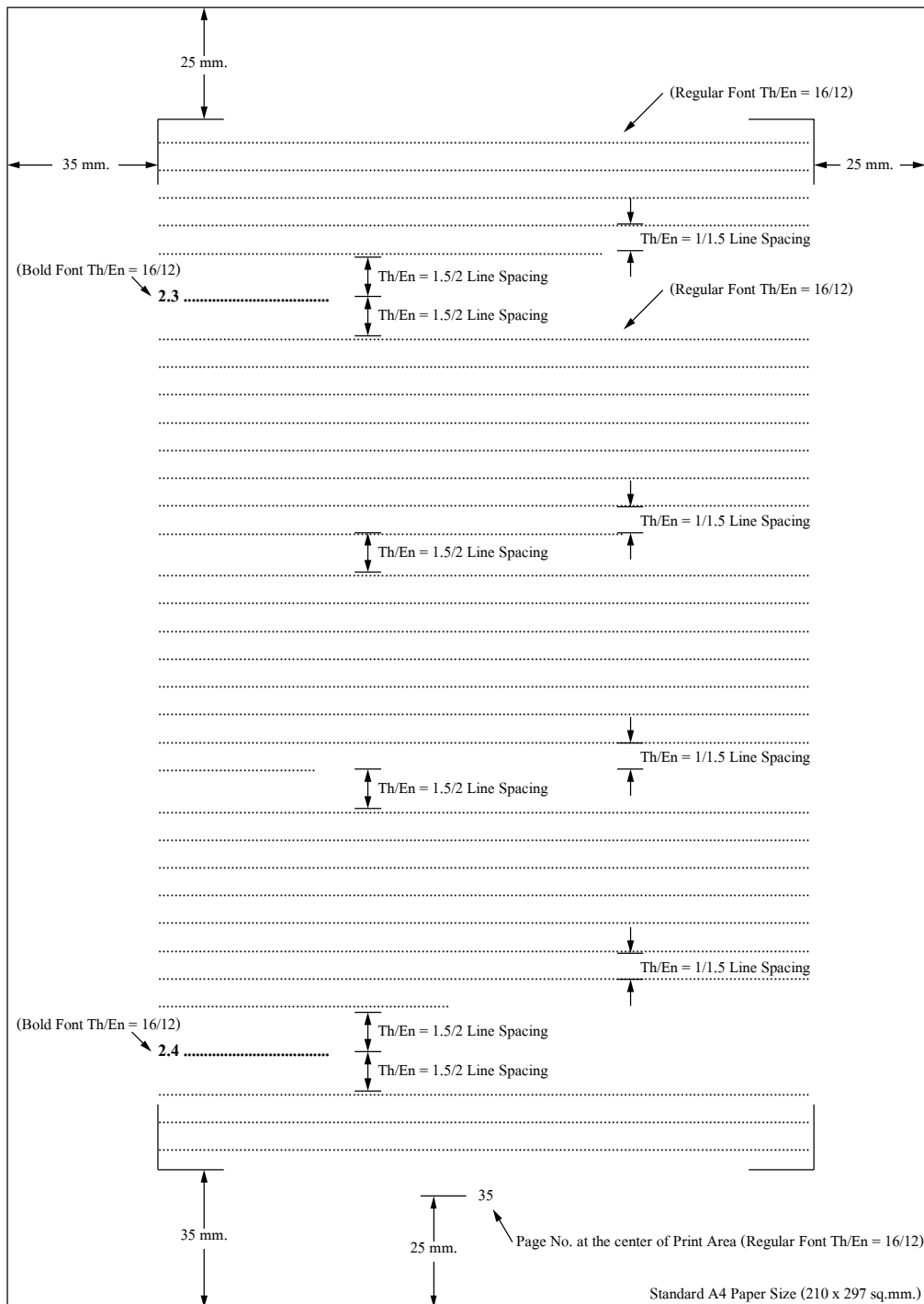
Normal Line Spacing for Thai (Angsana New) is Single Line Spacing

Normal Line Spacing for English (Times New Roman) is 1.5 Line Spacing

Spacing between Paragraphs and Main Subtitles for Thai and English are 1.5 and 2 Line Spacing respectively

The First Page of CHAPTER 1 is started to count as Page 1

หน้าเนื้อหาแบบบล็อก / *Block Style Text Page*



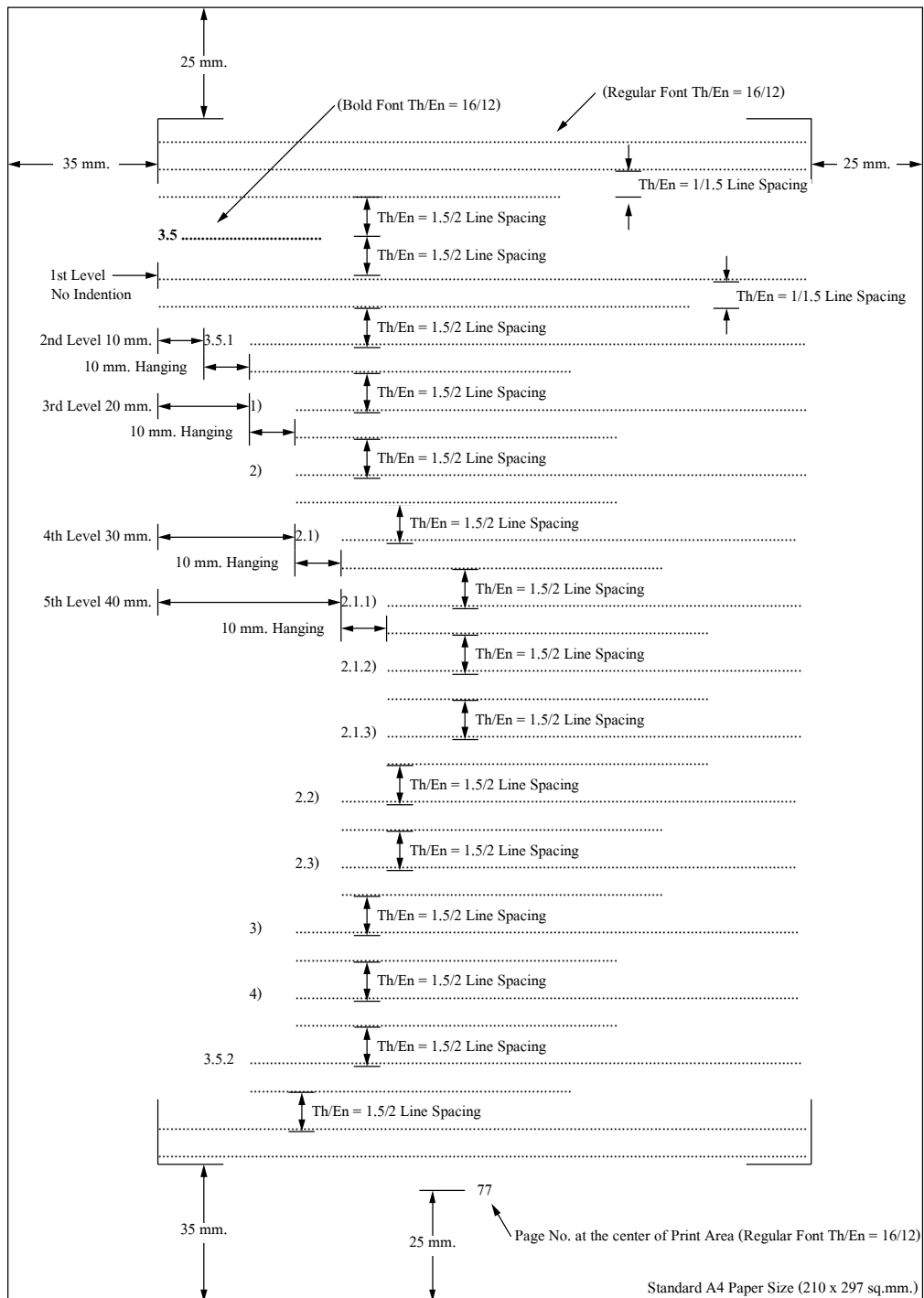
Every Body Text Page (except frist page of each chapter) must be printed within the Frame with distances from each side of the paper edges as shown below

Margins from the top edge = 25 mm., from the buttom edge = 35 mm., from the left edge (or book spine side) = 35 mm. and from the right edge (or opposite side of the book spine) = 25 mm.

The page number is still at the center of the print area with 25 mm. above the buttom edge of the A4-sheet

The Block Style, there is no indention on the first line of each paragraph

การจัดหัวข้อย่อยแบบบล็อก / *Block Style Subtitles*

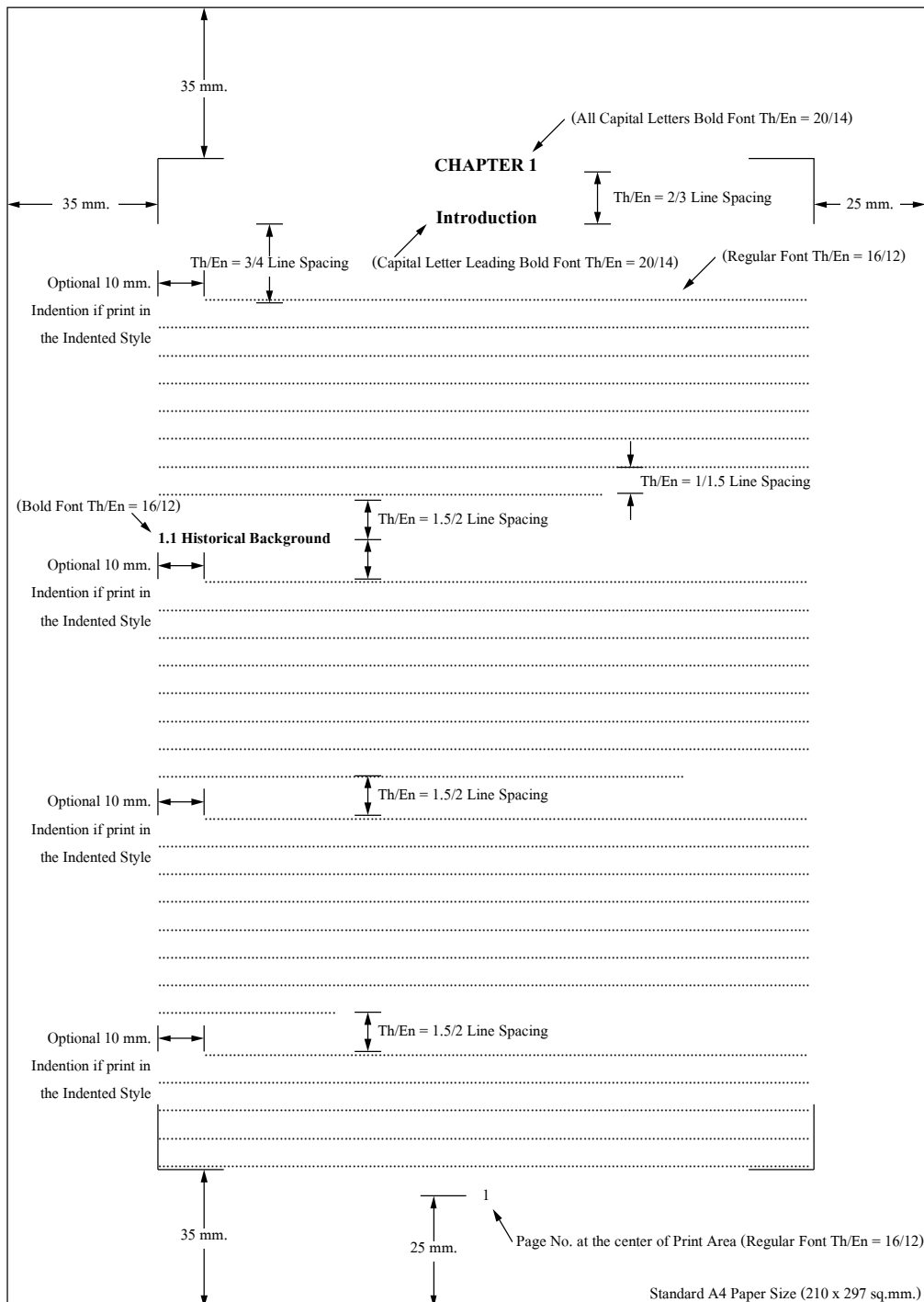


First Level Subtitles of Chapters begin with Chapter Number followed by a dot “.” and a running number starting from 1 e.g., 1.1 ..., 1.2 ..., 1.3 ... and so on. Second Level Subtitles use the same system as the First Level’s, by adding a dot “.” and a running number starting from 1, e.g., 1.1.1 ..., 1.1.2 ..., 1.1.3 ... and so on. When the numbers of subtitles reach three sets, the system is changed to include Close Round Bracket (Parenthesis “()”), e.g., 1) ..., 2) ..., ..., 3.3.1) ... 3.3.2) ... and so on, until they reach three sets of numbers the system is changed to include Open and Close Round Bracket (“(...”), e.g., (1) ..., (2) ..., ..., (3.4.1) ..., (3.4.2) ... and so on. Only the First Level Subtitles and Texts under them are Justified with No Indentation

Deeper Level Subtitles are printed in the Hanging Style with 10 mm. leading by the Number of Subtitles

Each Level of Subtitles is shifted 10 mm. more to the right from the previous level

หน้าแรกของบทแบบเยื้อง / *Indented Style First Page of Chapter*



The First Line "CHAPTER X" is all Capital Letters with Bold Font sized 20 or 14 for Thai or English respectively

The Title of Chapter, is capital letter begun words with bold font sized 20 or 14 for Thai or English respectively

The Main Subtitles or First Level Subtitle (x.x ...) of Chapters are Bold Font sized 16 or 12 for Thai or English respectively

The First Level Subtitles and Body Text (Paragraphs) under them are Left Justified (no indentation)

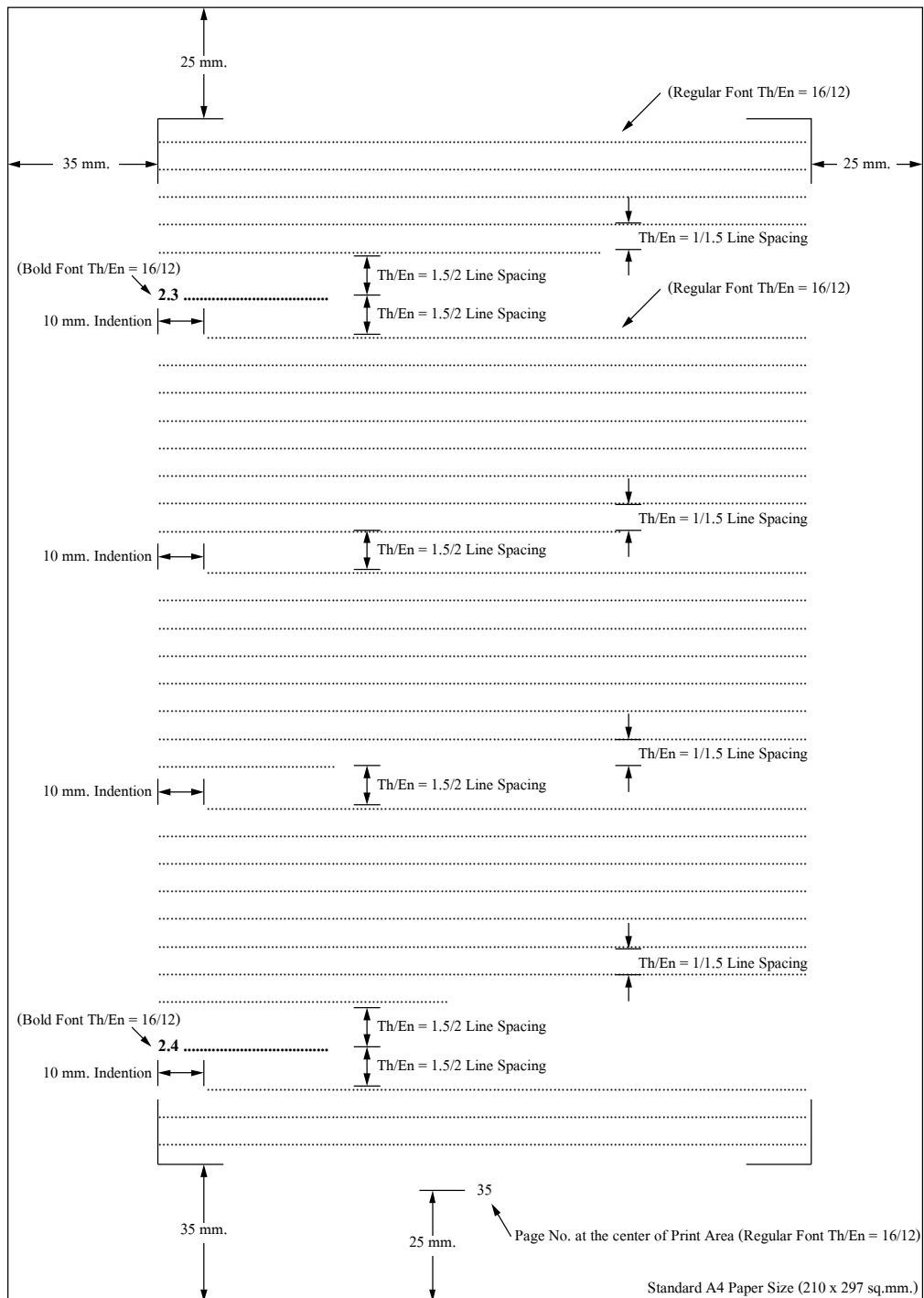
Normal Line Spacing for Thai (Angsana New) is Single Line Spacing

Normal Line Spacing for English (Times New Roman) is 1.5 Line Spacing

Spacing between Paragraphs and Main Subtitles for Thai and English are 1.5 and 2 Line Spacing respectively

The First Page of CHAPTER 1 is started to count as Page 1

หน้าเนื้อหาแบบเยื้อง / Indented Style Text Page



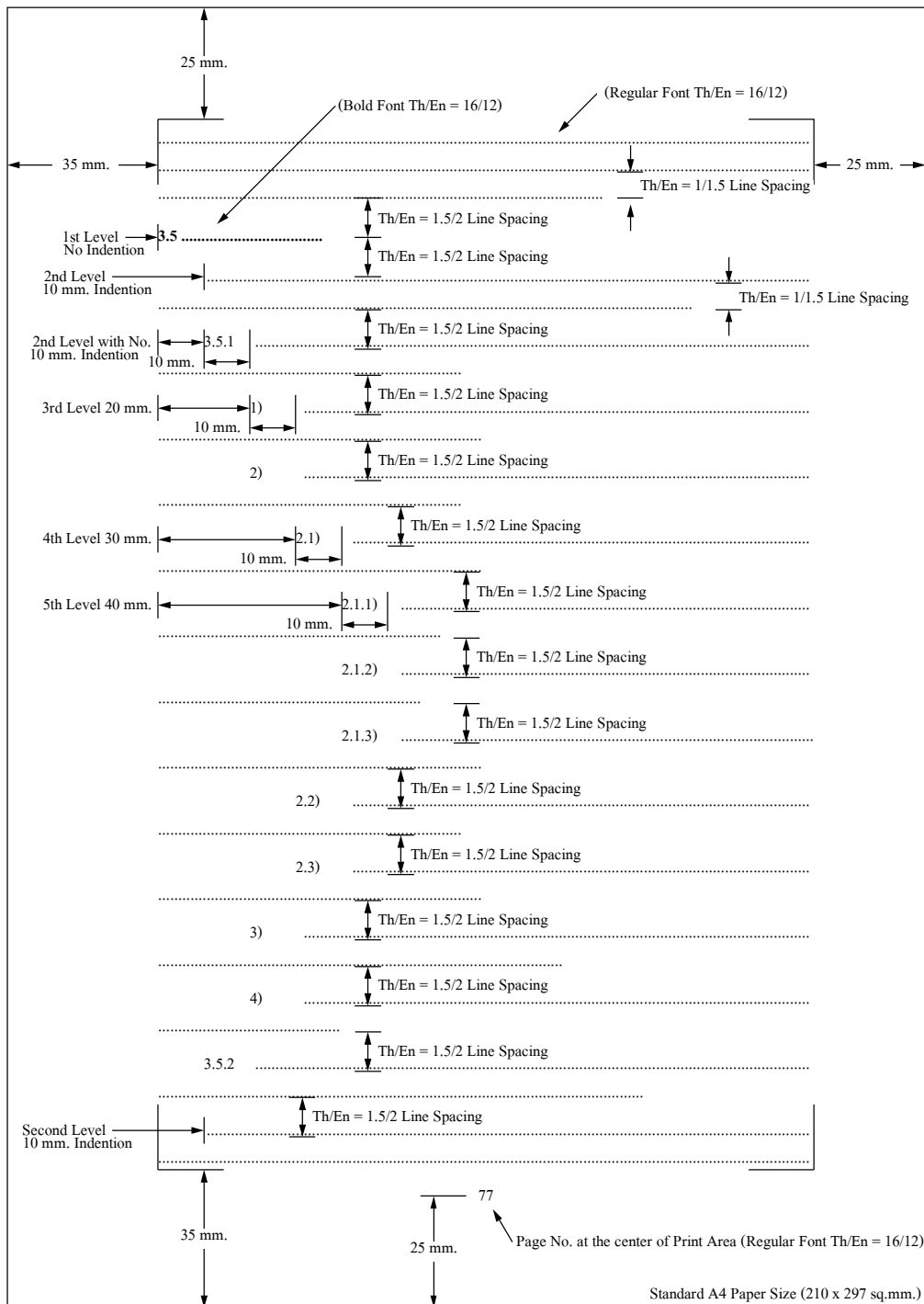
Every Body Text Page (except the frist page of each chapter) must be printed within the Frame with distances from each side of the paper edges as shown below

Margins from the top edge = 25 mm., from the buttom edge = 35 mm., from the left edge (or book spine side) = 35 mm. and from the right edge (or opposite side of the book spine) = 25 mm.

The page number is still at the center of the print area with 25 mm. above the buttom edge of the A4-sheet

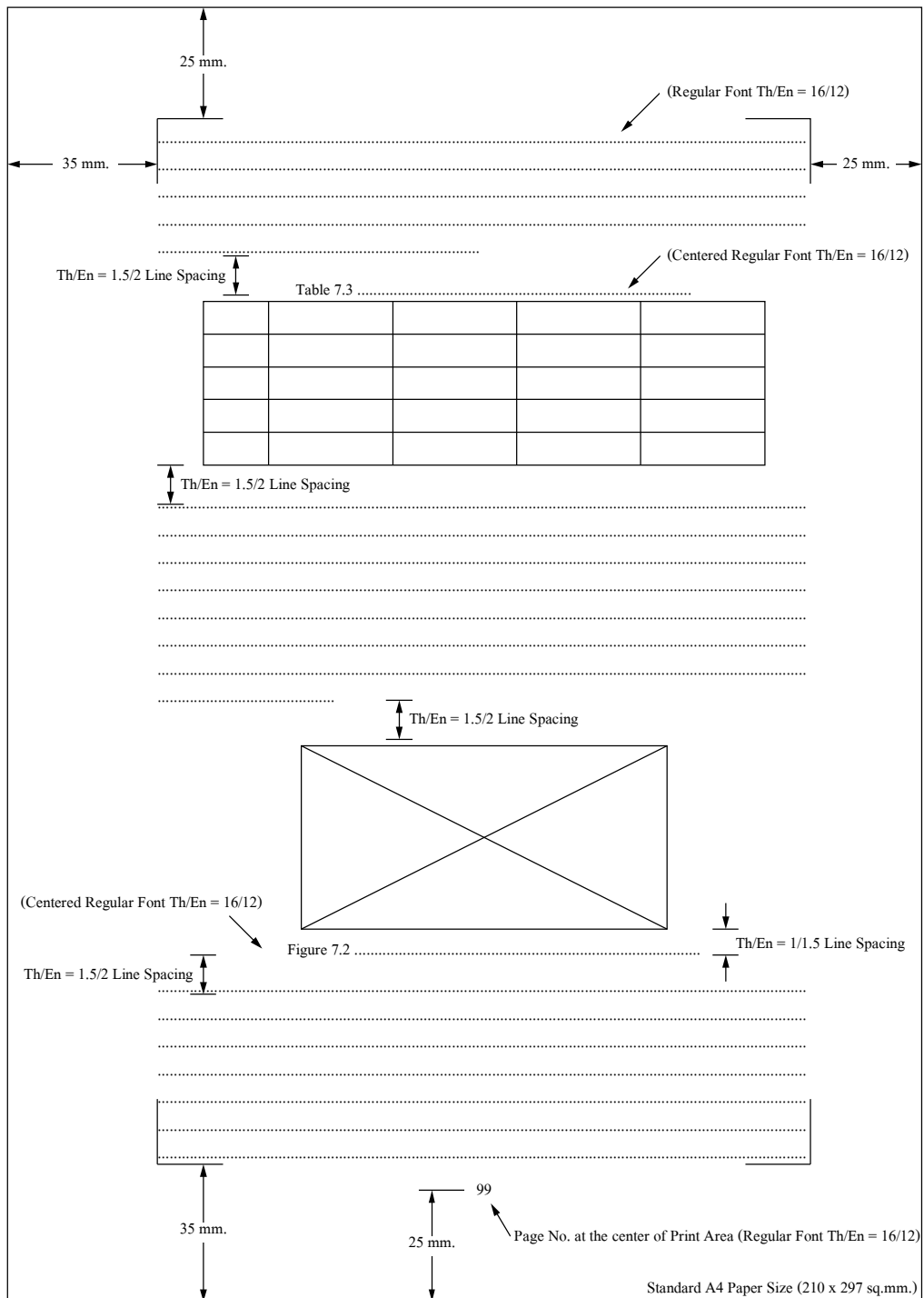
In the Indented Style, the First Line of the First Level of each paragraph must be printed at 10 mm. indention to right

การจัดหัวข้อย่อยแบบเยื้อง / *Indented Style Subtitles*



First Level Subtitles of Chapters begin with Chapter Number followed by a dot “.” and a running number starting from 1 e.g., 1.1 ..., 1.2 ..., 1.3 ... and so on. Second Level Subtitles use the same system as the First Level’s, by adding a dot “.” and a running number starting from 1, e.g., 1.1.1 ..., 1.1.2 ..., 1.1.3 ... and so on. When the numbers of subtitles reach three sets, the system is changed to include Close Round Bracket (Parenthesis “()”), e.g., 1) ..., 2) ..., ..., 3.3.1) ... 3.3.2) ... and so on, until they reach three sets of numbers the system is changed to include both Open and Close Round Bracket “(...)”, e.g., (1) ..., (2) ..., ..., (3.4.1) ..., (3.4.2) ... and so on. All Paragraphs under the First Level Subtitles and Second Level Subtitles leaded by Numbers are indented 10 mm. from the left margin. Deeper Level Subtitles are indented 10 mm. more on each level Texts from the Second Line on each paragraph and subtitles are Justified with Left Aligned to the Left Margin

คำอธิบายตารางและภาพ / Table and Figure with Description



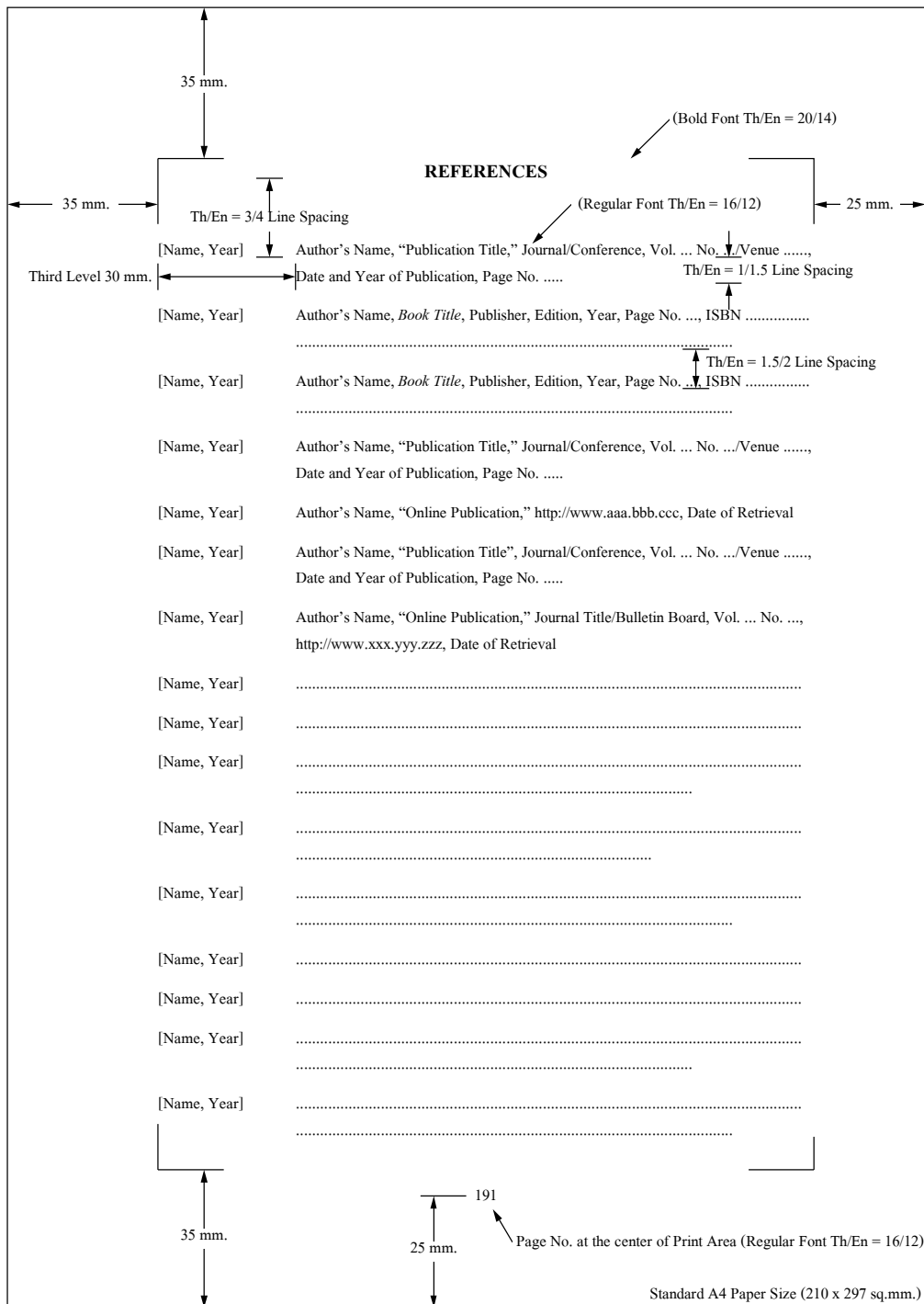
Tables and Figures with their Descriptions must be placed horizontally at the center of the print area
If possible they should be placed next to the paragraph referring to them, otherwise on next page from the referring paragraph

Table Number with Table Description must be placed above the Described Table with one line spacing

Figure Number with Figure Description must be placed just under the Figure with one line spacing

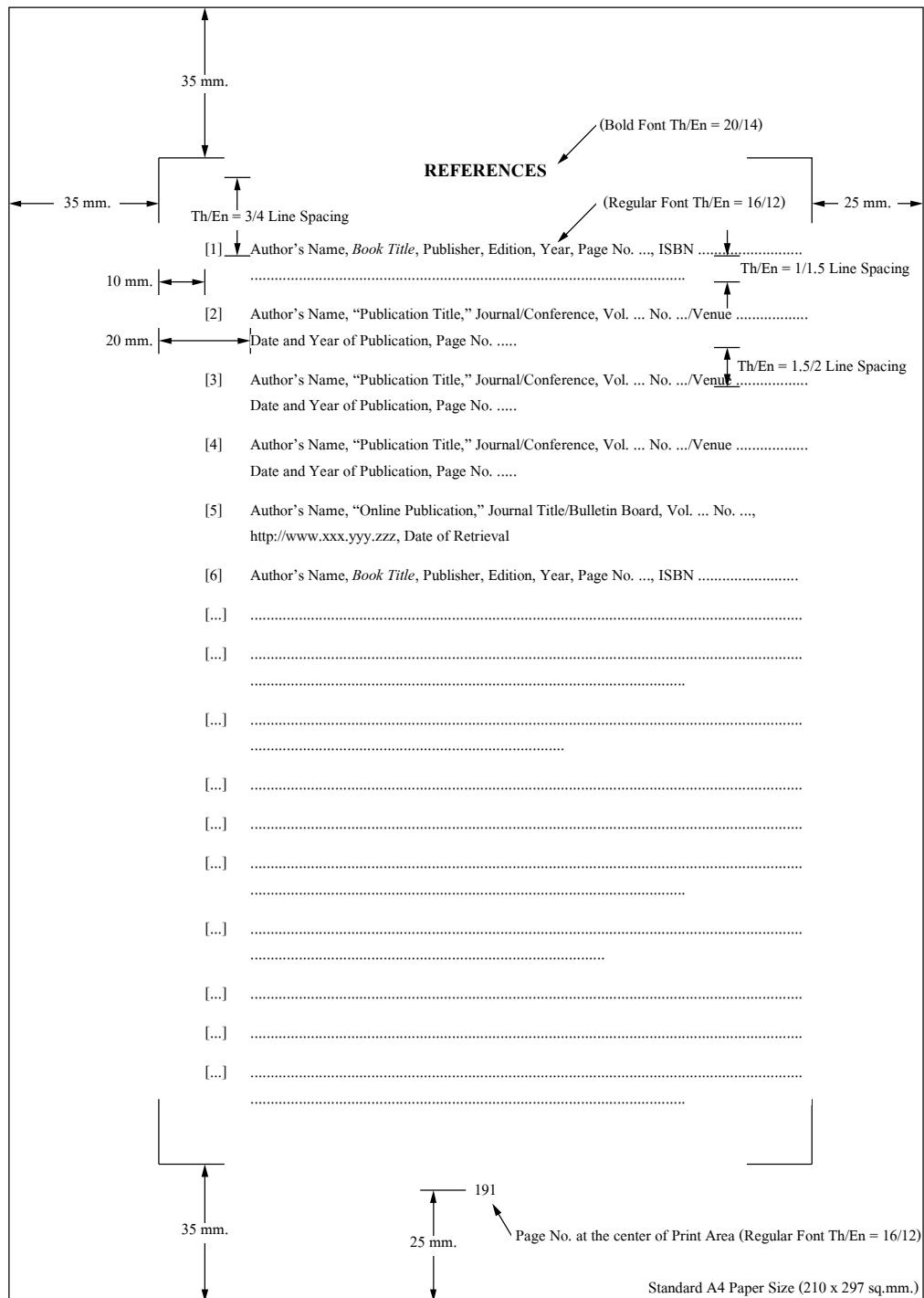
Table and Figures Numbers begin with Chapter Number followed by a dot "." and a running number starting from 1
e.g., Table 1.1 ..., ..., Table 3.2 ..., ..., Figure 2.2 ..., ..., Figure 5.7 ...

การอ้างอิงระบบ นาม-ปี / Name-Year System Referencing



Referencing in Name-Year System, Author's Surname (for English) or Author's First Name and Surname (for Thai) and Year of the Publishing in the Square Brackets "[... name ..., ... year ...]" is Left Aligned and leading the details of each publication. References must be Alphabetically Ordered by Surname (for English) and First Name (for Thai) Group of Thai Language References is separated from Other Language References and should be ordered in the first part The details of publications may be placed at about 30 mm. indentation. Normal Line Spacing for Thai (Angsana New) or English (Times New Roman) is Single or 1.5 Line Spacing respectively. Spacing between each item are 1.5 and 2 Lines for Thai and English respectively. This Alphabetical Sequence of Referencing System is also used for the Bibliographic Referencing but without Name and Year in the Square Brackets, and item may be Left Aligned to the Print Area Frame

การอ้างอิงระบบหมายเลข / *Number System Referencing*

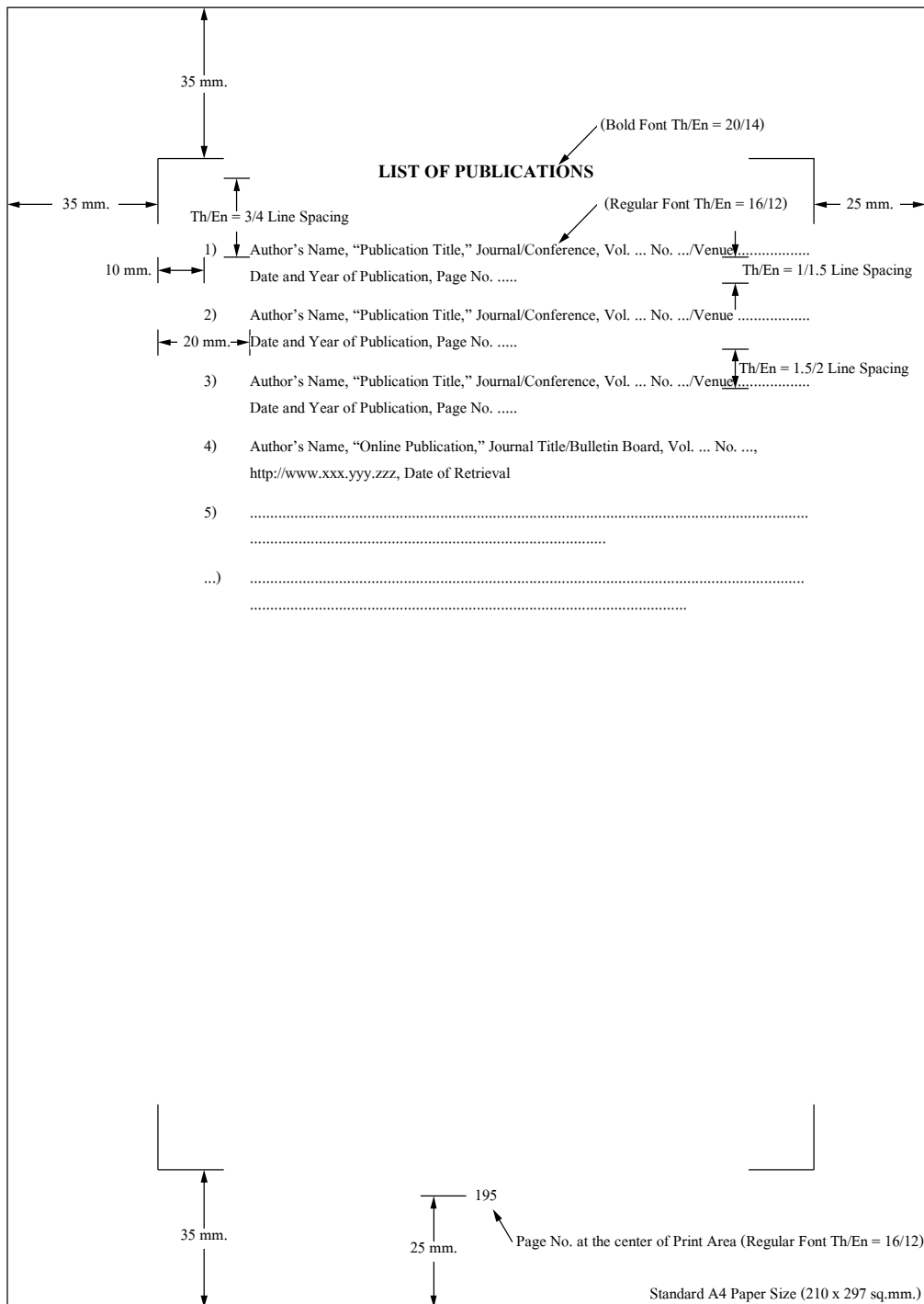


In Number System Referencing, Square Brackets “[...]” with Reference Running Numbers are used and placed in front of the details of each publication. The First Number, Starting from Number 1, means the first reference used in the body text. References in Number System may not be ordered alphabetically which it should be ordered by the sequence of referencing, starting from the first reference used.

The Reference Number in the Square Brackets may be Left Aligned or 10 mm. Indentation, while the details of publications may be placed at 20 mm. indentation in the Hanging Style.

Line Spacing within each item for Thai (Angsana New) or English (Times New Roman) is Single or 1.5 Line Spacing respectively. Spacing between each item for Thai and English are 1.5 and 2 Line Spacing respectively.

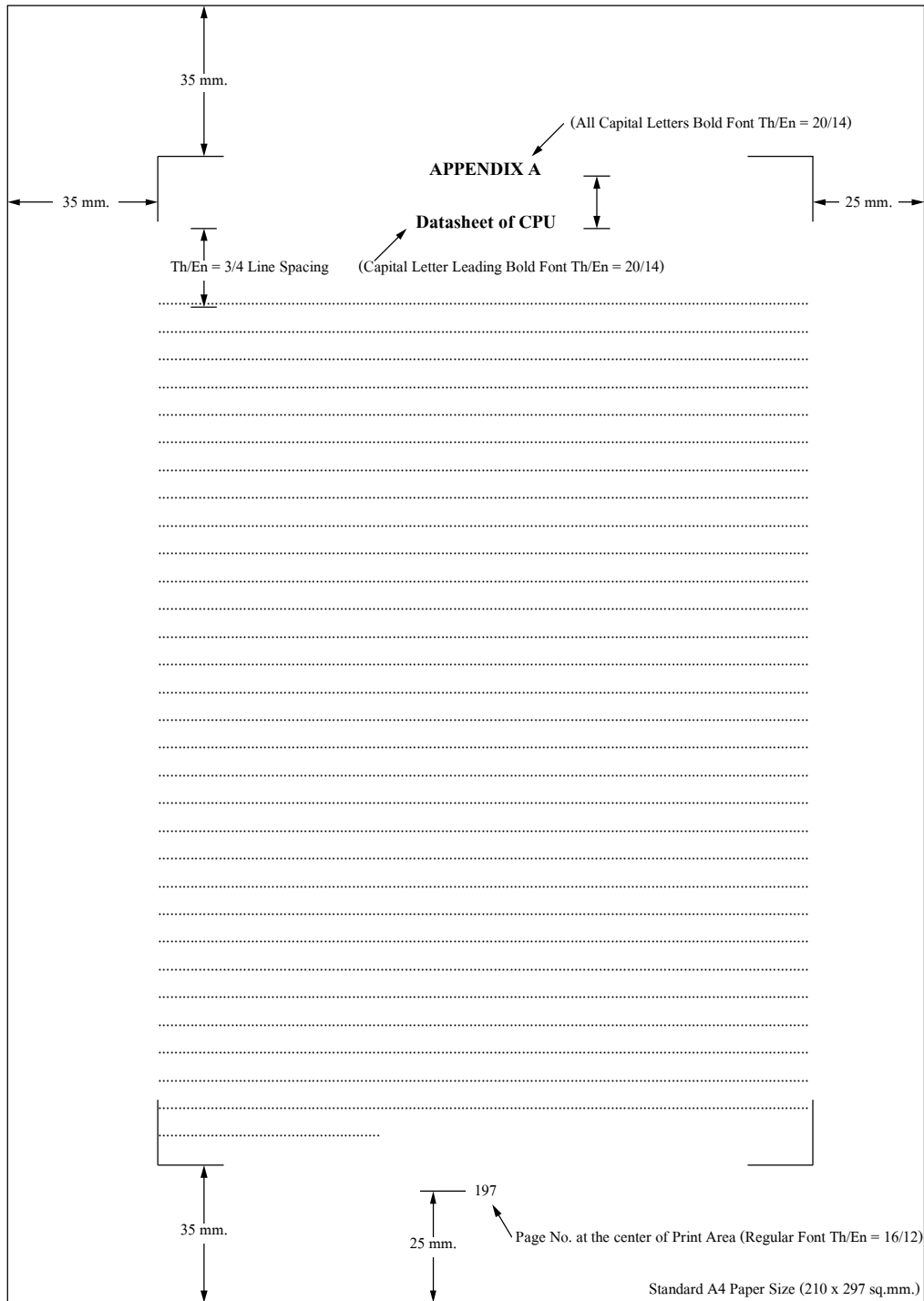
รายการสิ่งพิมพ์ / *List of Publications*



Publications concerning the Research Work/Thesis/Independent Study done by the Author should be listed on this page, especially where they are required to be a partial fulfillment for the Degree

Format of the List of Publications is similar to the format in Number System Referencing but the Number in front of each Publication is followed by a close round bracket (close parenthesis)

List of Publications may also be included in Curriculum Vitae Page



Appendices are Important Information concerning the Research Work or Contents in the Thesis, which may be or may not be the work done by the author, that are not described in details in the body text, but the author would like to provide them for the readers to know, in order to make the Thesis complete in terms of Contents without additional searching from somewhere else, e.g., Table, Figures, Data from the Experiment, Datasheet of Electronic Devices, etc.

Appendix Section may be divided into many parts which are orderd by the sequence of alphabets, e.g., Appendix A, Appendix B, Appendix C, etc. (for English) or ภาคผนวก ก, ภาคผนวก ข, ภาคผนวก ค, ฯลฯ (for Thai) followed by a Title or a Brief Description for each appendix

ประวัติผู้เขียน / Curriculum Vitae

CURRICULUM VITAE (Bold Font Th/En = 20/14)

Th/En = 3/4 Line Spacing

Author's Name Title/Mr./Mrs./Ms. (Regular Font Th/En = 16/12)

Date/Year of Birth Th/En = 1.5/2 Line Spacing

Place of Birth Th/En = 1/1.5 Line Spacing

Education Academic Year Certificate/Diploma/Degree, Major/Specialization, Institution

Scholarship Duration of Scholarship Granter/Sponsor

Publication(s) (if any) Author's Name, "Publication Title," Journal/Conference, Vol. ... No. .../Venue, Date and Year of Publication, Page No.

Experience (if any)

Others (if any)

Th/En = 2/3 Line Spacing

50 mm. 40 mm.

35 mm. 25 mm. 211

Page No. at the center of Print Area (Regular Font Th/En = 16/12)

Standard A4 Paper Size (210 x 297 sq.mm.)

Curriculum Vitae may be written in Form of List as shown above or Form of Essay to describe background of the author

Title, Position and/or Rank of the Author may be included. The author who feels uneasy to provide some details may provide only some parts that feels comfortable, e.g., the Date of Birth may provide only Month and Year of Birth All Publications, particularly generated from the research work of study, should be lists. Experience may include some kinds of Computer Language Skill, Laboratory Experience, Training in Industries, Attending Conference/Seminar, etc.

Others item may be like Student or Social Activities, Member of Academic or Professional Institutions, etc. A Portrait Straight Face Photograph (Without Hat and Sun Glasses) of the author sized 40 x 50 sq.mm. should be included in the Left Lower Box

ภาคผนวก ข

อภิธานศัพท์

ภาคผนวก ข

อภิธานศัพท์

Advance	ขั้นสูง
Algorithm	หลักวิธี
Analysis	การวิเคราะห์
Application	การประยุกต์
Appropriate	เหมาะสม
Comprehensive	ที่ครอบคลุม: Comprehensive Examination การสอบประมวลความรู้
Concept	แนวคิด แนวความคิด
Dissertation	วิทยานิพนธ์ เอกสารรายงานการวิจัย ศึกษา ค้นคว้า ในระดับปริญญาเอก
Effect	ผล ปรัชญาการณ (วิทย์-เทคโนโลยี)
Electronics	อิเล็กทรอนิกส์
Elementary	ขั้นต้น
Experiment	การทดลอง
Font	ฟอนต์ แบบตัวพิมพ์ แบบอักษร
Format	รูปแบบ
Fundamental	หลักมูล (คณิตฯ) รากฐาน พื้นฐาน
Indentation	การเยื้อง มีหลายแบบ เช่น แบบบล็อก คือ ไม่เยื้อง แบบเว้า และแบบแฉวน
Indentation	การจัดการเยื้อง ในการพิมพ์ย่อหน้าต่างๆ รวมทั้งการเยื้องของหัวข้อย่อย
Independent	อิสระ: Independent Study การค้นคว้าแบบอิสระ
Intermediate	ขั้นกลาง
Jargon	ศัพท์เฉพาะวงการ ภาษาเฉพาะกลุ่ม
Laboratory	ปฏิบัติการ ห้องปฏิบัติการ
Method	วิธีการ วิธี
Methodology	ระเบียบวิธี

Mission	ขบวนการ
Model	แบบจำลอง หุ่นจำลอง
Objective	วัตถุประสงค์
Optimization	การหาจุดเหมาะสมที่สุด
Organization	องค์การ
Orientation	การปรับความคิด การปฐมนิเทศ การแนะแนวทาง
Practice	การฝึกปฏิบัติ
Principle	หลักการ
Procedure	วิธีปฏิบัติ
Process	กระบวนการ
Project	โครงการ โครงการงาน
Purpose	จุดประสงค์ ความประสงค์
Proposal	ข้อเสนอ
Qualify	เหมาะสม มีคุณสมบัติ: Qualifying Examination การสอบวัดคุณสมบัติ
Quality	คุณภาพ
Random	สุ่ม: Randomization การสุ่ม
Report	รายงาน
Research	การวิจัย
Sample	ตัวอย่าง: Sampling การเก็บตัวอย่าง การชักตัวอย่าง (มักใช้ผิดเป็น การสุ่ม)
Select	เลือกสรร
Study	การศึกษา การค้นคว้า
Style	แบบ ลีลา
Technology	เทคโนโลยี
Terminology	ศัพท์บัญญัติ
Thesis	วิทยานิพนธ์
Title	ชื่อเรื่อง หรือ หัวข้อ
Topic	หัวข้อ
Training	การฝึกงาน
Transliteration	การทับศัพท์: Transliterated Word คำทับศัพท์
Typeface or Type Style	แบบตัวพิมพ์ หรือ แบบอักษร ในระบบคอมพิวเตอร์นิยมเรียก ฟอนต์