

Universidade de São Paulo
Faculdade de Arquitetura e Urbanismo

AUP0342: Projeto Visual Ambiental

1º sem. 2023

Aula 10: Manual de aplicação

Prof. Gustavo Curcio

Funções do manual de aplicação

- Consolidar as soluções (identidade, suportes, sistema, implantação)
- Apresentar o projeto de sinalização
- Guiar a diagramação das peças e escrita dos textos
- Indicar aspectos técnicos para impressão/produção das peças
- Indicar materiais e montagem dos suportes
- Visualizar o sistema de suportes/peças/placas
- Definir codificação para controle dos objetos produzidos
- Orientar a implantação no edifício/local
- Dar suporte à manutenção contínua do sistema

CONTEÚDO DO MANUAL

Introdução e glossário

Aplicação da marca

Nomenclaturas e abreviações

Regras tipográficas

Paleta de cores

Uso de setas e pictogramas

Regras para seleção das peças

Materiais

Detalhamentos construtivos

Mapas de posicionamento

Agrupamentos das peças
(por localização, por função)

Códigos de identificação

Tabela de peças

Fichas de peça (especificações, descrição etc)

Comparação em escala

Procedimentos de solicitação de peças

Procedimentos de manutenção

Desenhos ou fotos das peças aplicadas

Regras de uso do manual

Processos de aprovação

Recomendações

Versionamento do manual

Introdução, justificativas, histórico etc

CONTEÚDO DO MANUAL - Capítulos obrigatórios (➡)

- ➡ Introdução e glossário
- ➡ Aplicação da marca
- ➡ Nomenclaturas e abreviações
- ➡ Regras tipográficas
- ➡ Paleta de cores
- ➡ Uso de setas e pictogramas
- ➡ Regras para seleção das peças
- ➡ Materiais
- ➡ Detalhamentos construtivos
- ➡ Mapas de posicionamento
- ➡ Agrupamentos das peças
(por localização, por função)
- ➡ Códigos de identificação
- ➡ Tabela de peças
- ➡ Fichas de peça (especificações, descrição etc)
- ➡ Comparação em escala
- ➡ Procedimentos de solicitação de peças
- ➡ Procedimentos de manutenção
- ➡ Desenhos ou fotos das peças aplicadas
- ➡ Regras de uso do manual
- ➡ Processos de aprovação
- ➡ Recomendações
- ➡ Versionamento do manual
- ➡ Textos auxiliares, histórico etc

Nomenclature and
Glossary of Terms

Recommended
Abbreviations

1.6

Name	Abbreviation	Exterior Signs	Proper Amtrak Nomenclature	Example
First	1st		Amtrak Thruway Bus	
Second	2nd		Amtrak Welcomes You to "Station Name"	Amtrak Welcomes You to Chicago Union Station
Third	3rd		Station Hours: "00:00am - 00:00pm Days of Week"	Station Hours: 4:00am - 11:30pm Mon - Fri
Fourth	4th		"00:00am - 00:00pm Alternate Days of Week"	6:00am - 10:30pm Sat - Sun
Fifth	5th		Bicycle Parking	
Sixth	6th		Emergency Parking Zone	
Seventh	7th		Employee Parking	
Eighth	8th		Loading Zone	
Ninth	9th			
Tenth	10th			
Sunday	Sun			
Monday	Mon			
Tuesday	Tues			
Wednesday	Wed			
Thursday	Thurs			
Friday	Fri			
Saturday	Sat			
Afternoon/Evening	pm		Passenger Drop-off	
Morning	am		Passenger Drop-off & Pick-up	
Weekend	Wknd		Passenger Parking	
			Passenger Pick-up	
			Redcap Phone	
			Rental Car	Avis, Hertz, etc.
			Reserved Parking	
			Short-term Parking	
			Standing	Standing
			"#" minutes max.	10 minutes max.
			"Station Name"	Chicago Union Station, Orlando Station
Maximum	Max		Taxis	
Minimum	Min		Line Begins Here	

Recomendação no uso de
abreviaturas e formatação dos
modos de exibição de datas e
horas.

Stag Sans Light

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk
Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu
Vv Ww Xx Yy Zz

Stag Sans Book

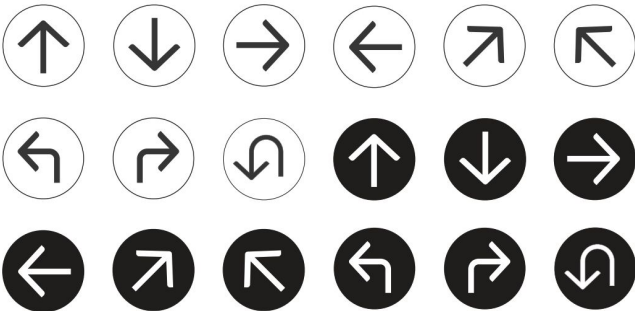
Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk
Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu
Vv Ww Xx Yy Zz

Stag Sans Medium

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk
Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu
Vv Ww Xx Yy Zz

Stag Sans Semibold

Aa Bb Cc Dd Ee Ff Gg Hh Ii Jj Kk
Ll Mm Nn Oo Pp Qq Rr Ss Tt Uu
Vv Ww Xx Yy Zz



Pictograms

Regulatory - Safety - Caution pictograms (continued)



G-04-D613
Safety Goggles,
Head & Ear Protection



G-04-D614
Vapor Respirator,
Head & Ear Protection



G-04-D615
Vapor Respirator,
Glasses, Head & Ear



G-04-D616
Vapor Respirator,
Goggles, Head & Ear



G-04-D619
Dust Respirator, Glasses
& Head Protection



G-04-D620
Dust Respirator, Goggles
& Head Protection



G-04-D621
Full-Face Respirator &
Head Protection



G-04-D622
Full-Face Shield & Head
Protection

Três famílias de sinais, os regulatórios informando EPS adequado, os pictogramas de prioridade, e os botões para uso em elevadores.

Observe que cada pictograma possui um código identificador.

Priority - Courtesy seating pictograms



G-04-G001
Disabled



G-04-G002
Disabled,
Priority Seating



G-04-G003
Service Animal



G-04-G004
Service Animal,
Priority Seating



G-04-G005
Elderly



G-04-G006
Elderly,
Priority Seating



G-04-G007
Expectant Mother



G-04-G008
Expectant Mother,
Courtesy Seating



G-04-G009
Mother with Baby



G-04-G010
Mother with Baby,
Courtesy Seating

Elevators

Elevator Buttons



G-06-A001
Level 1 Black



G-06-A002
Level 1 Red



G-06-A003
Level 2 Black



G-06-A004
Level 2 Red



G-06-A005
Level 3 Black



G-06-A006
Level 3 Red



G-06-A007
Level 4 Black



G-06-A008
Level 4 Red



G-06-A009
Level 5 Black



G-06-A010
Level 5 Red

Subway Line Codes

Line Code Modules



G-02-A101
Yonge-University-
Spadina (YUS) Line



G-02-A102
Bloor-Danforth (BD) Line



G-02-A103
Scarborough RT Line



G-02-A104
Sheppard Line



G-02-A105
Eglinton Line



G-02-A106
Sheppard East LRT Line



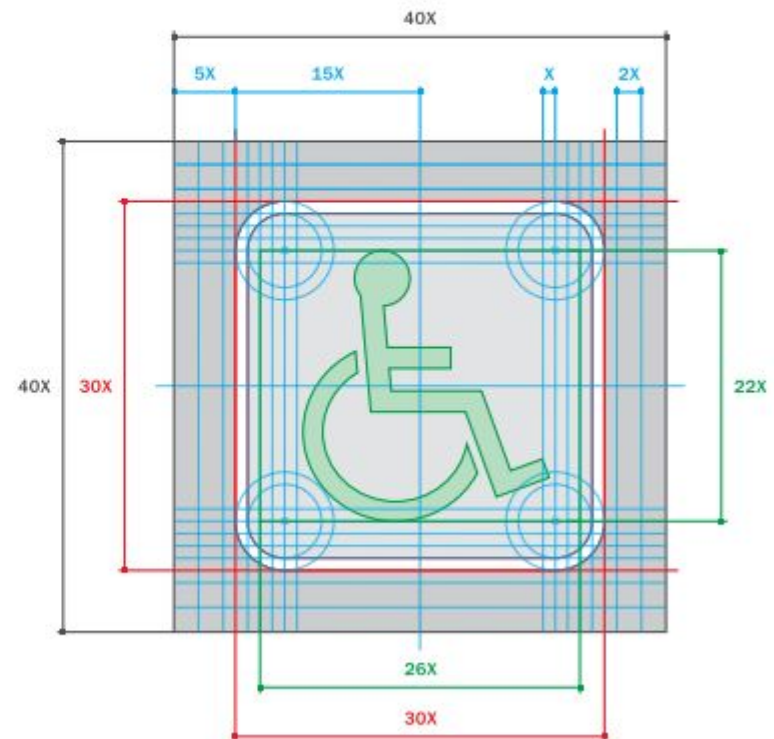
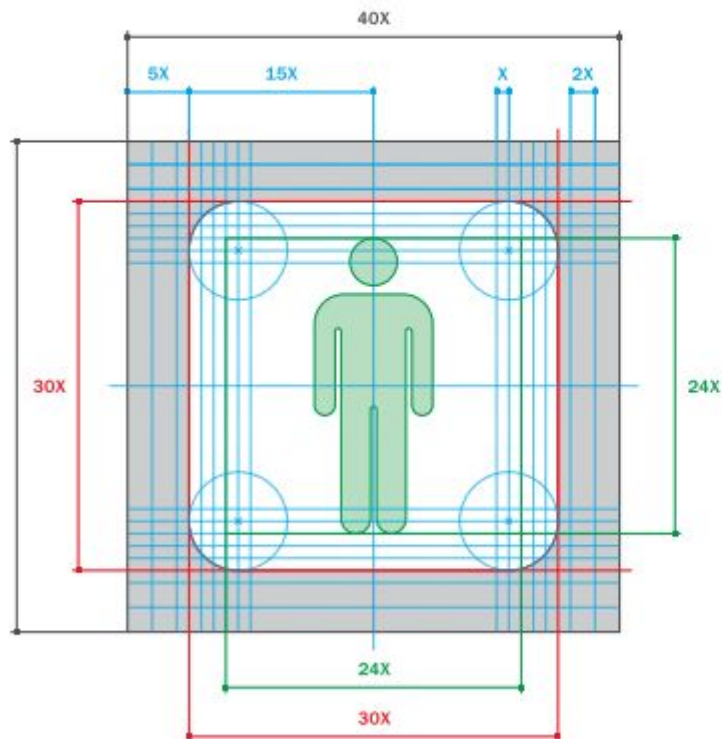
G-02-A107
Finch West LRT Line

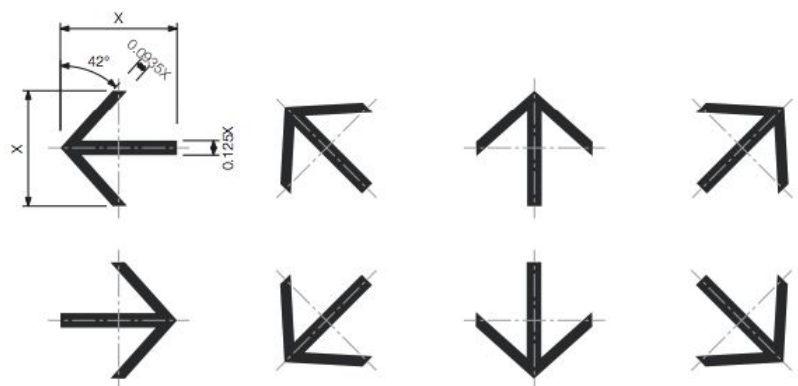
Cores e codificação dos
signos que indicam as
linhas de metrô.

Pictograms

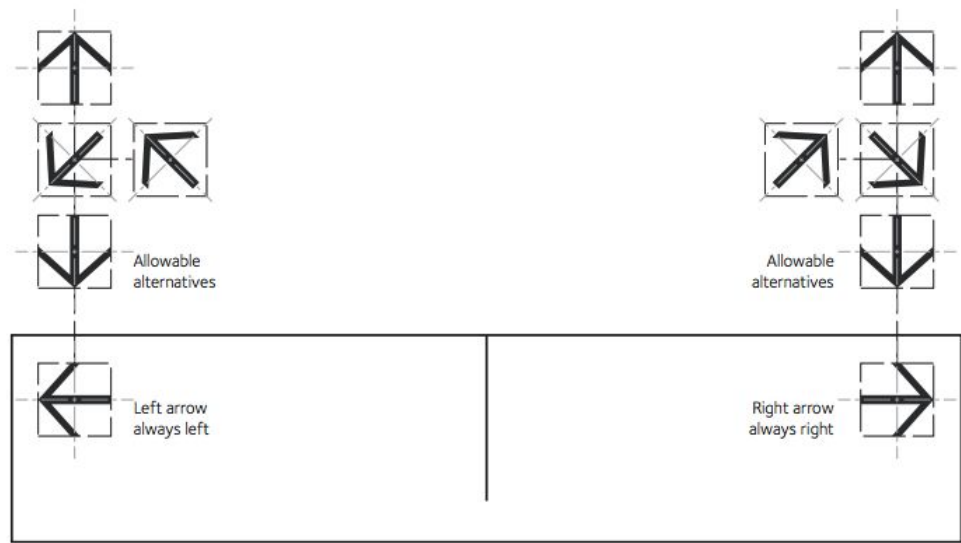
Grid alignment & spacing

Detalhamento do grid e dos espaçamentos dos pictogramas. Regras visuais que podem ser seguidas para a criação de novos pictogramas.

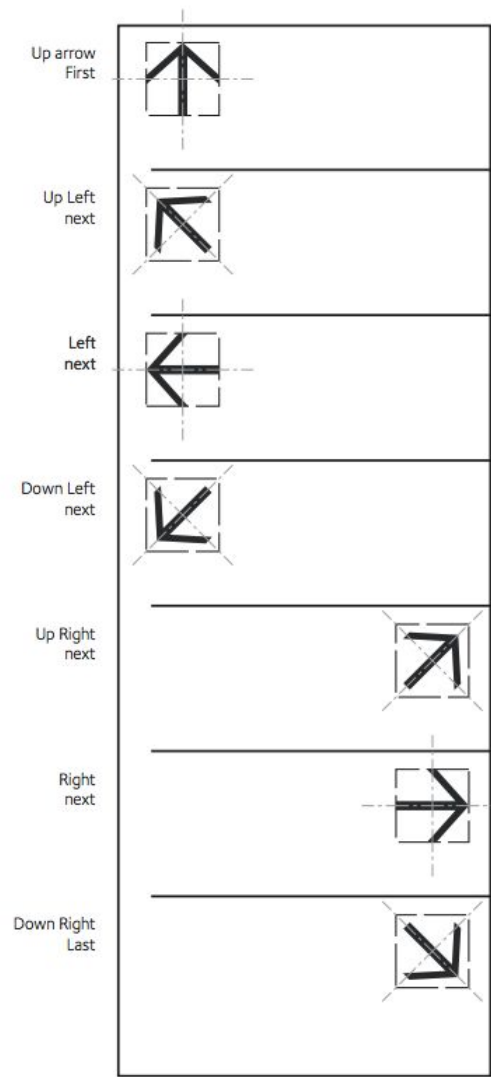




Detalhes construtivos do desenho da seta. Indicação das setas permitidas nas laterais, e indicação de hierarquia correta.



HORIZONTAL FORMAT

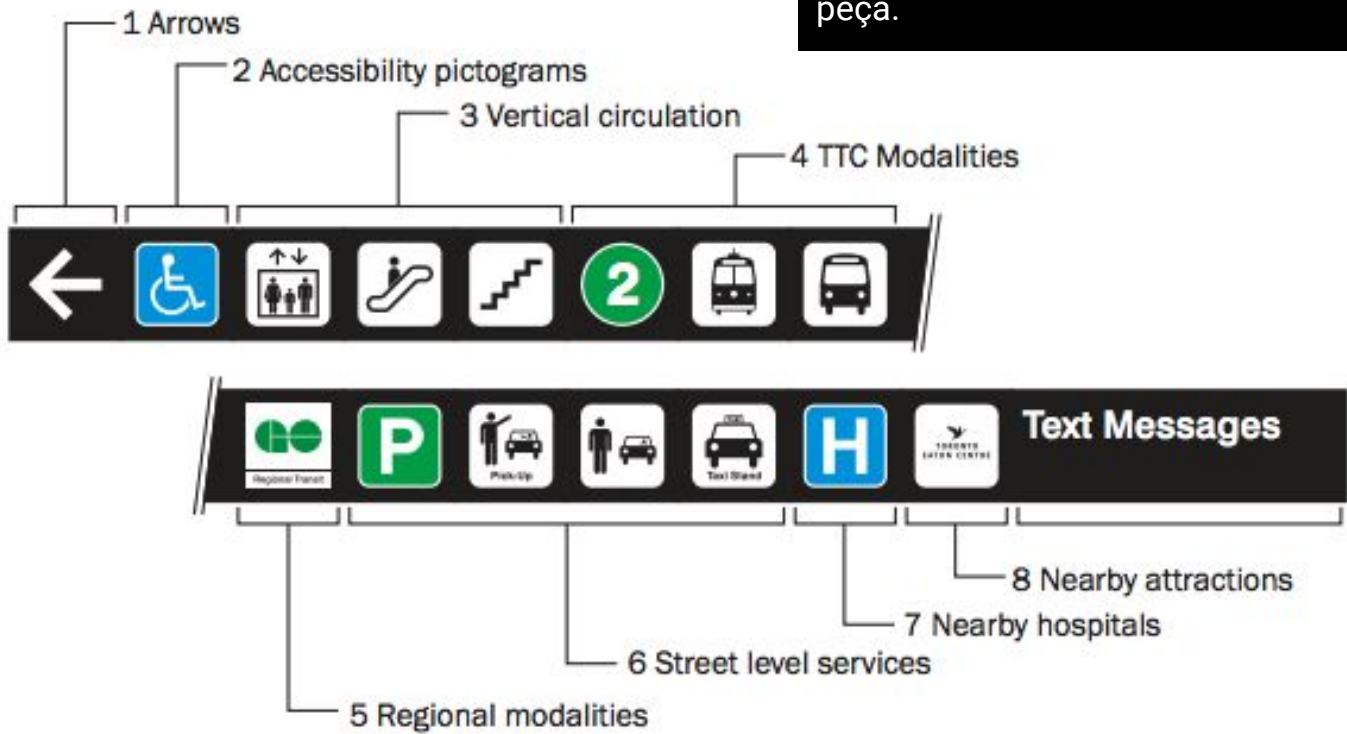


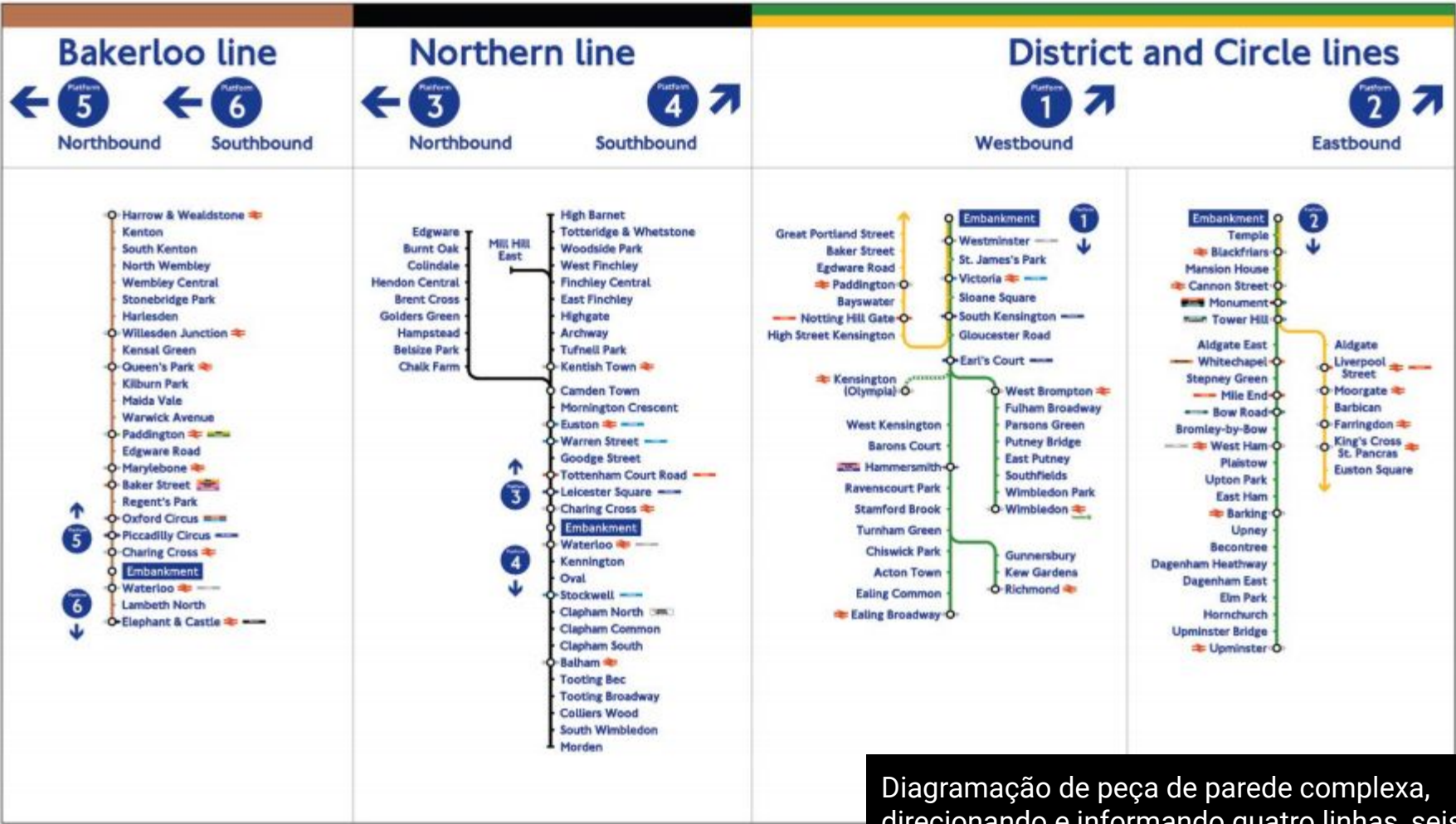
VERTICAL FORMAT

Para evitar arbitrariedades, indicar o código das cores nos principais padrões e utilizados pelos fornecedores em seu produto

	Colour Name	Applications	PANTONE	CMYK	RGB	3M Translucent	3M Opaque	3M Reflective	Gerber Transparent	Gerber Foil	Matthews Paint
	Line 1 (YUS Yellow)	Yonge-University-Spadina Line	123	C 0 M 20 Y 100 K 0	R 248 G 195 B 0	3630-25 Sunflower	-	-	GCT-625 Yellow	GCS-625 Sunflower Yellow	49 MP08967 New Holland Yellow LRV 49.4
	Line 2 (BD Green)	Bloor-Danforth Line Affirmative Pictograms	347	C 100 M 0 Y 100 K 0	R 0 G 146 B 63	3630-146 Light Kelly Green	-	680-77 Green	GCT-116 Green	GCS-46 Kelly Green	167 MP00448 Greenward LRV 25.2
	Line 3 (Accessible Blue)	Scarborough Rapid Transit (SRT) Line Information Barrier Free Access Notices Fare Booth	285	C 100 M 15 Y 0 K 0	R 0 G 130 B 201	3630-57 Olympic Blue	3650-57 Olympic Blue	680-76 Light Blue	-	GCS-57 Olympic Blue	39 MP00973 Diner Door Blue LRV 15.6
	Line 4 (Sheppard Raspberry)	Sheppard Line	220	C 10 M 100 Y 0 K 20	R 162 G 26 B 104	3630-133 Raspberry	-	-	-	GCS-133 Raspberry	178 MP14926 Ruby Dee LRV 11.3
	Line 5 (Eglinton Orange)	Eglinton Line Temporary Wayfinding and Signage	165	C 0 M 60 Y 100 K 0	R 231 G 120 B 23	3630-44 Orange	-	680-14 Orange	-	GCS-14 Orange	91 MP00853 Plastic Pumpkin LRV 34.9
	Line 6 (Sheppard East LRT Grey)	Sheppard East Rapid Transit Line General Use Grey Scale Fill	423	C 0 M 0 Y 0 K 40	R 150 G 149 B 148	3630-51 Silver Grey	3650-31 Medium Grey	-	-	GCS-31 Grey	50 MP06388 Battleship LRV 39.4
	Line 7 (Finch West LRT)	Finch West Line	352	C 35 M 0 Y 45 K 0	R 139 G 202 B 152	-	-	-	-	-	127 MP01662 Sunlit Glade LRV 59.9
	TTC Red	Surface Routes TTC Logo Exit Module Regulatory Signs Elevator Message Path Logo "P"	185	C 0 M 100 Y 100 K 0	R 218 G 37 B 29	3630-43 Light Tomato Red	3650-13 Tomato Red	680-72 Red	GCT-13 Tomato Red	GCS-13 Tomato Red	8 MP15024 Red Dragon LRV 15.7

Apresentação de regra de hierarquia no posicionamento de pictogramas em peça suspensa. Além de se estabelecer uma convenção de leitura, auxilia a montagem da peça.

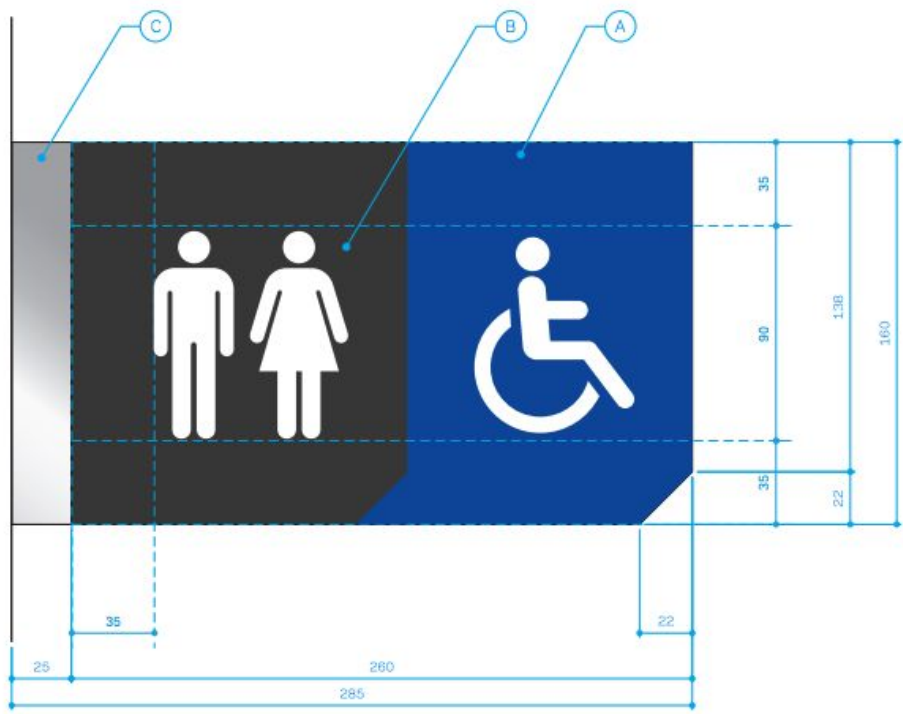




Diagramação de peça de parede complexa, direcionando e informando quatro linhas, seis sentidos e dezenas de estações de metrô.



PLAN VIEW

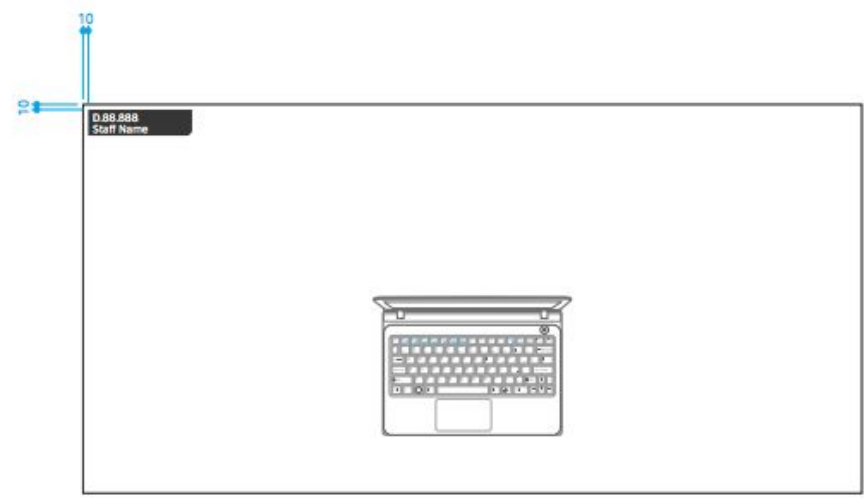
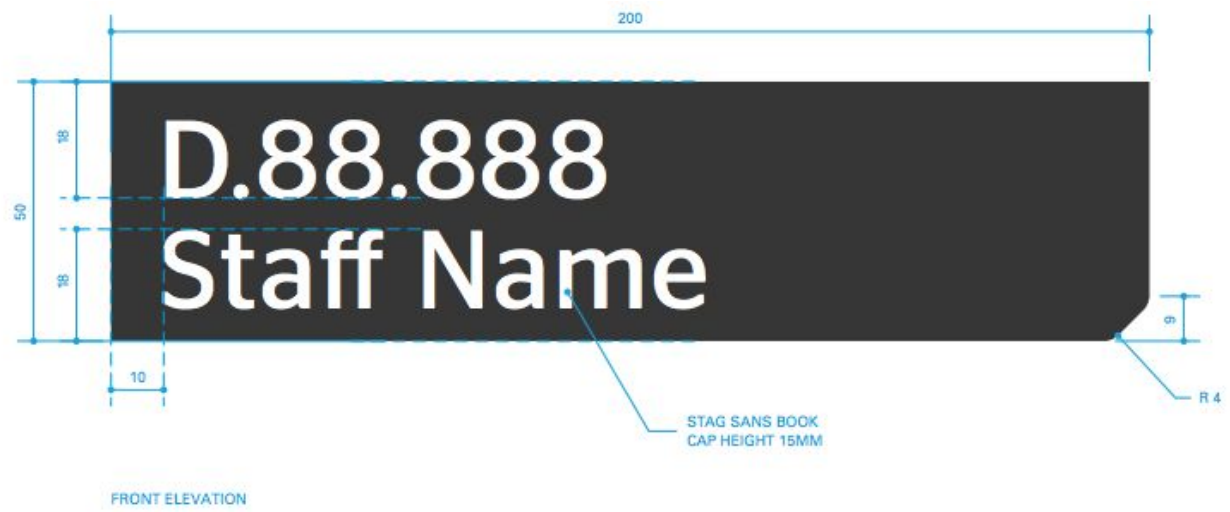


FRONT ELEVATION

A prancha para execução das peças, contendo três vistas, é necessária até para as peças mais simples.

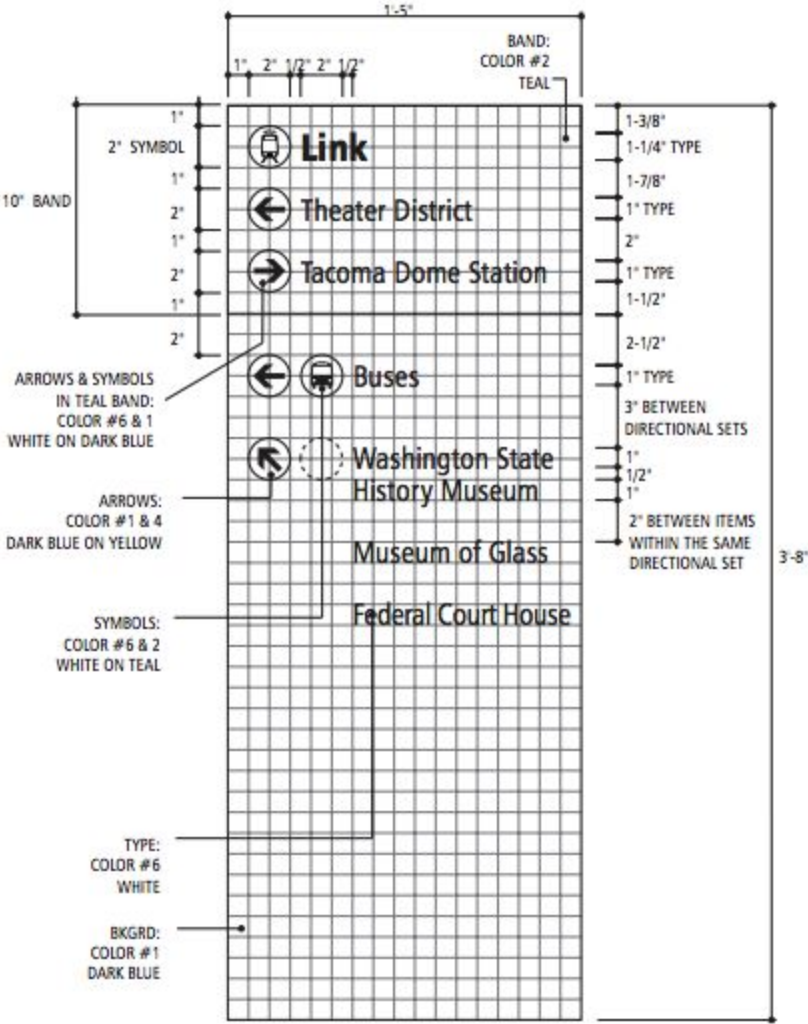


SIDE ELEVATION

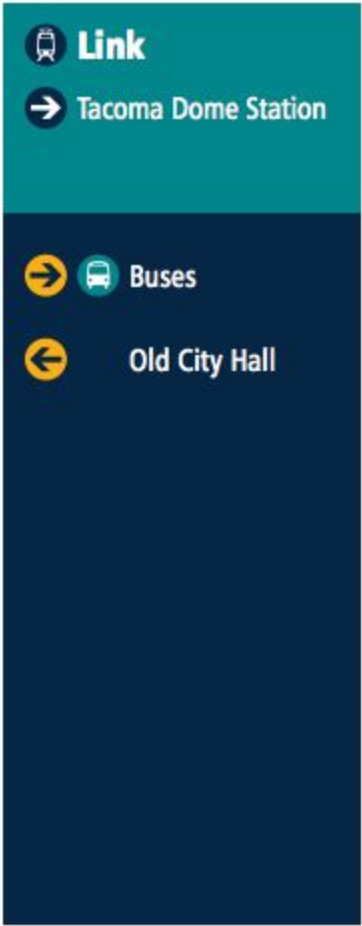


Um projeto de sinalização completo pode envolver escalas ao nível de etiquetas de identificação.

Diagramação de peça vertical, com grid cotado em polegadas, setorização temática, hierarquia tipográfica e de elementos, e indicação de cores.



ADDITIONAL LAYOUT EXAMPLE



Double-sided, Free-Standing Mapcase(s)



DOUBLE-SIDED
SIDE ELEVATION

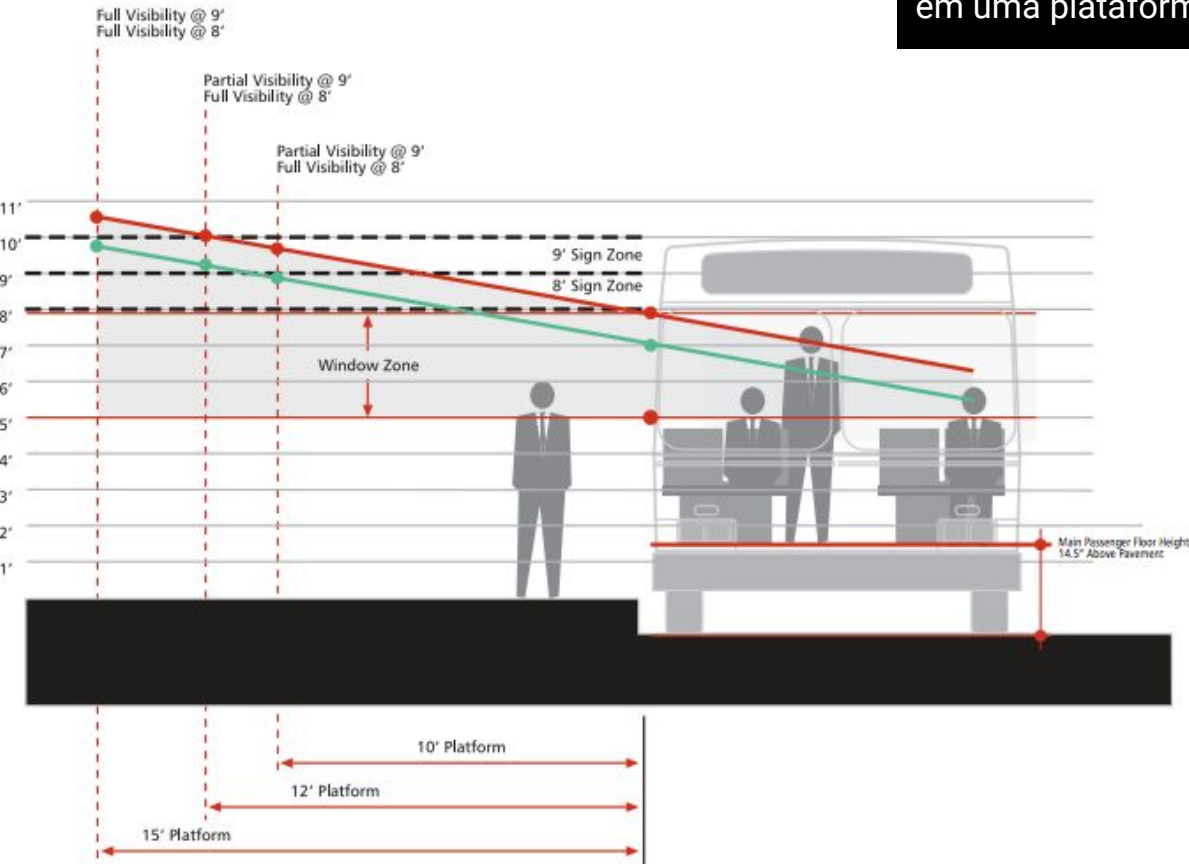
Desenho de peça suspensa
aplicada *in loco*, incluindo
escala humana e dos trens.

STATION AMENITIES/MAPCASES

VERSION 1: February 27, 2012 10:40 AM
METRO SIGNAGE STANDARDS ©2012 LACMTA

EXPRESS VEHICLE SIGHT LINES

40' Coach Model D40LF
Raised Passenger Deck



Red Line indicates upper limit of 10° viewing angle caused by upper edge of window frame.

Green Line indicates 10° angle of view for a passenger of average height from a seated position on the side of the vehicle opposite the platform.

Diagrama com regra para implantação das alturas mínimas e máximas de peças em uma plataforma de ônibus.

SYSTEM-WIDE
SIGNAGE
Design Manual



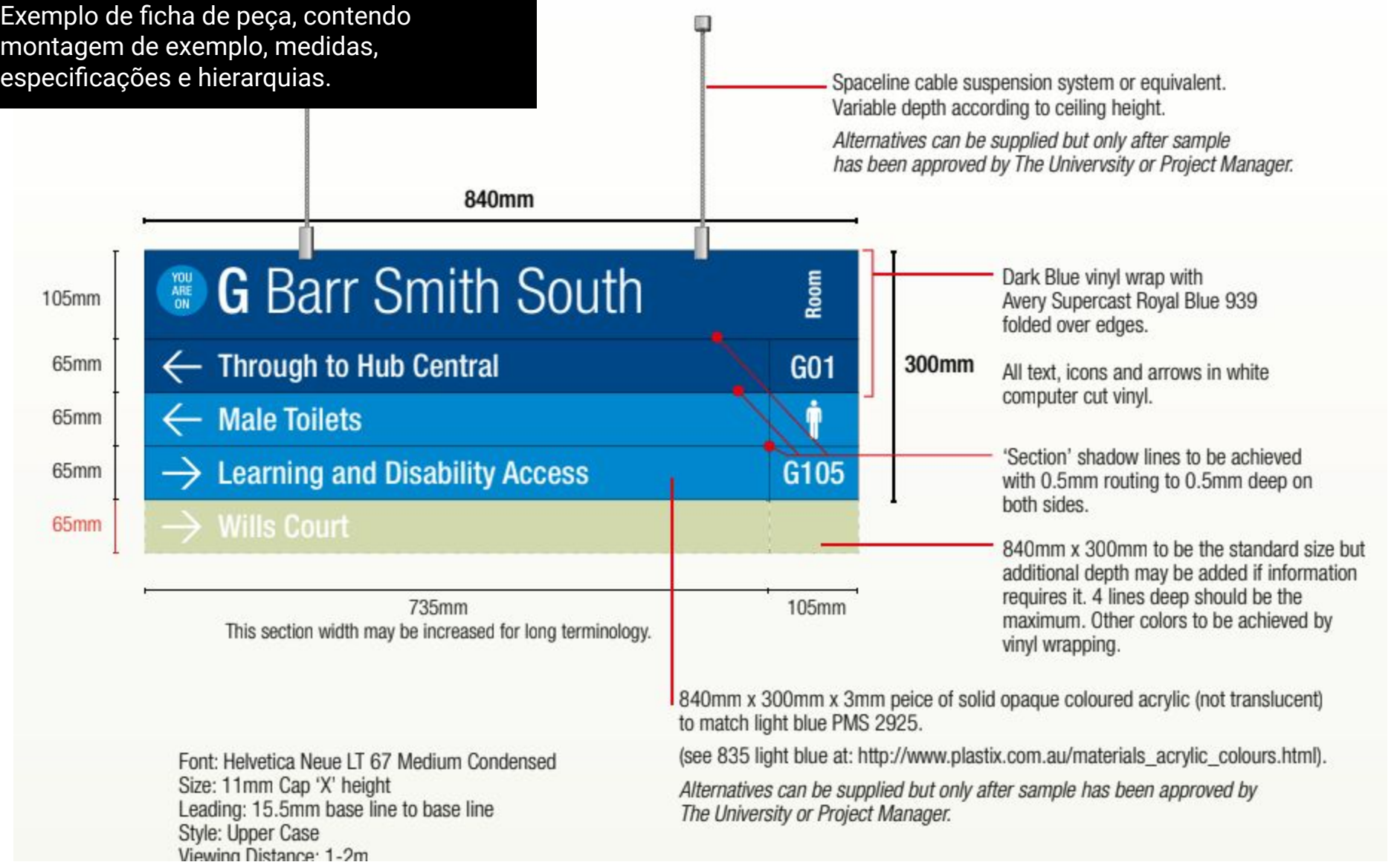
Design Standards

**EXPRESS VEHICLE
SIGHT LINES**

40' Coach Model
D40LF

Raised Passenger
Deck

Exemplo de ficha de peça, contendo montagem de exemplo, medidas, especificações e hierarquias.



Font: Helvetica Neue LT 67 Medium Condensed
Size: 27.5mm Cap 'X' Height
Style: Upper Case, Numerals and Lower Case

Font: Helvetica Neue LT 67 Medium Condensed
Size: 13.5mm Cap 'X' height.
Style: Title Case

Single line layout

Cut Rowmark strip here

10mm

7.5mm

11mm

Centre in panel for one line of text

411

Professor Lisa Hill

Font: Helvetica Neue LT 67 Medium Condensed
Size: 27.5mm Cap 'X' Height
Style: Upper Case, Numerals and Lower Case

Font: Helvetica Neue LT 67 Medium Condensed
Size: 13.5mm Cap 'X' height.
Leading: 18.5mm Base line to base line.
Style: Title Case

Double line layout
Job title in light font

Cut Rowmark strip here

7.5mm

11mm

8mm

G22

Mrs Shamira Barr
School Manager

Font: Helvetica Neue LT 67 Light Condensed
Size: 13.5mm Cap 'X' height.
Style: Title Case

Double line layout

Cut Rowmark strip here

10mm

8mm

G37b

Emeritus Professor
Martin Williams

Letters in room numbers to be in lower case.

Triple line layout

Cut Rowmark strip here

11mm

14mm

300mm

314a

Hydrothermal and
Hydrometallurgical
Processing Laboratory

For very long names or department titles,
an 80mm deep aluminium 'C' extrusion
should be used.

80mm
Aluminium
'C' Extrusion

77.5mm
Rowmark
insert

Do not condense or reduce text to fit.

Long Room Numbers

300mm

120mm

180mm

Cut Rowmark strip here

EM316

Electronic Engineering
Seminar Room 1

When room numbers exceed
the 90mm width, then this cut
section should be extended to
120mm.

Do not condense or reduce text to fit.

Information zone	Colour field	Arrangement of information
This level	Black colour field Actual building and level identification	
	Yellow colour field Key destinations on this level	Destinations within this colour field to be arranged alphabetically
	Grey colour field Secondary destinations on this level	Destinations within this colour field to be arranged alphabetically
Other levels	Black colour field Confirming other building levels	
	Silver colour field Destinations on other levels. - Bold text highlights Schools. - Text inset with dashes indicate destinations within Schools.	1. Major destinations (Schools) including subheads to be arranged alphabetically by School name. 2. Secondary destinations within each School (subheads) to be arranged alphabetically. 3. Other destinations to be located after all Schools information and arranged alphabetically.
Additional secondary information (if required)	Yellow colour field Access to other buildings/facilities	Destinations within this colour field to be arranged alphabetically
	Grey colour field Highlights secondary information	Destinations within this colour field to be arranged alphabetically

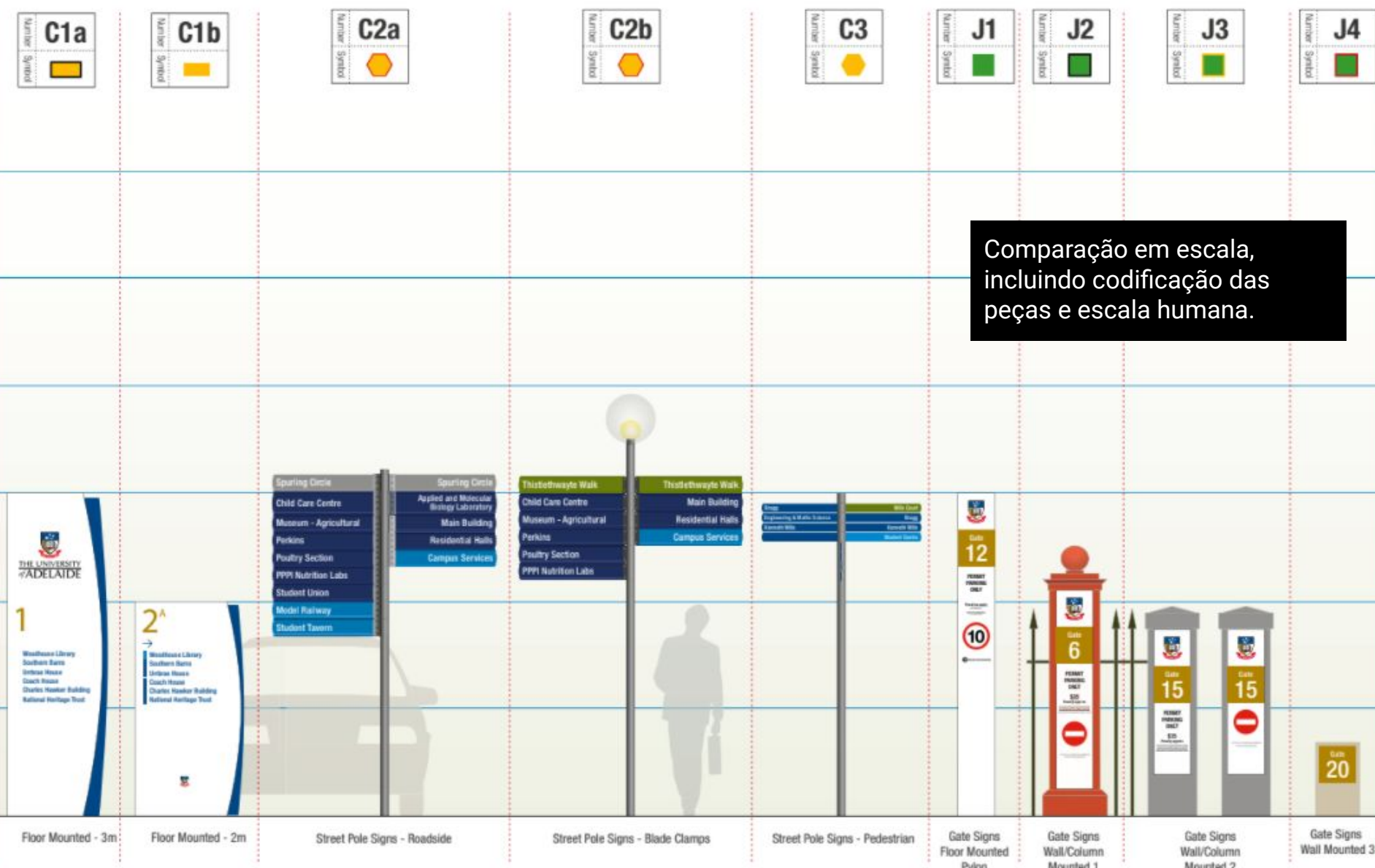
Ficha de peça, detalhando a setorização, além da hierarquia das informações e dos elementos visuais.

Building 12 Level 4			
	Bldg	Level	Room
↑ Casey Plaza Lecture Theatre	12	4	27
↑ International Student Centre	12	4	31
↑ School of Engineering - International Advisers	12	4	11
↑ School of Engineering - Student Administration	12	4	02
Other Levels			
School of Electrical & Computer Engineering			
- Course Co-ordinator	12	7	19
- Student Administration	12	3	01
School of Information Technology			
- Enquiries	12	5	02
- Help Desk	12	5	05
Education Advisor - International	12	3	07
Maintenance Operations	12	2	09
↑ Building 14			
↩ ♿ Toilets RH			
Bowen Street exit this level			
Swanston Street exit via Level 3			

Placement hierarchy
The graphic shown above represents how information is to be shown according to a placement hierarchy. It does not represent an actual sign.

Refer to RMIT Property Services for approval of any variations to this placement hierarchy.

SIGN CODE		C3
SIGN TYPE	Street Pole Signs - Pedestrian	
NOTES	Examples of sign panel arrangements Signs pointing in a different orientation must be stacked to aid visibility of all sign panels. Structuring information on sign panels There are 2 steps to organising the information of the signage panels. Firstly, the information should be ordered according to colour category. Secondly, the information within each colour group should be arranged alphabetically. When additional items are added, all existing panels will need to be removed and re-ordered using these guidelines. DO NOT add a new panel to the bottom of the existing panels.	
PAGE	2 of 2	



Comparação em escala,
incluindo codificação das
peças e escala humana.



RED PERMIT



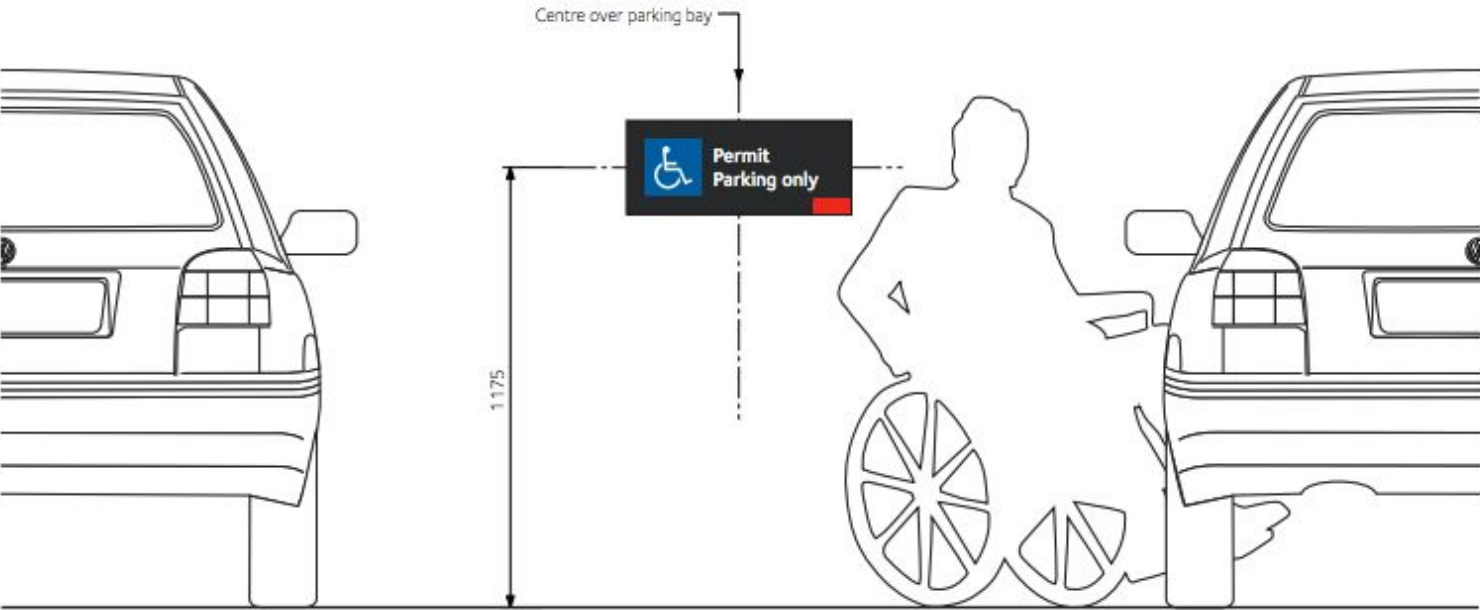
RESERVED AREAS

SIDE VIEW

Typical Graphic Layouts

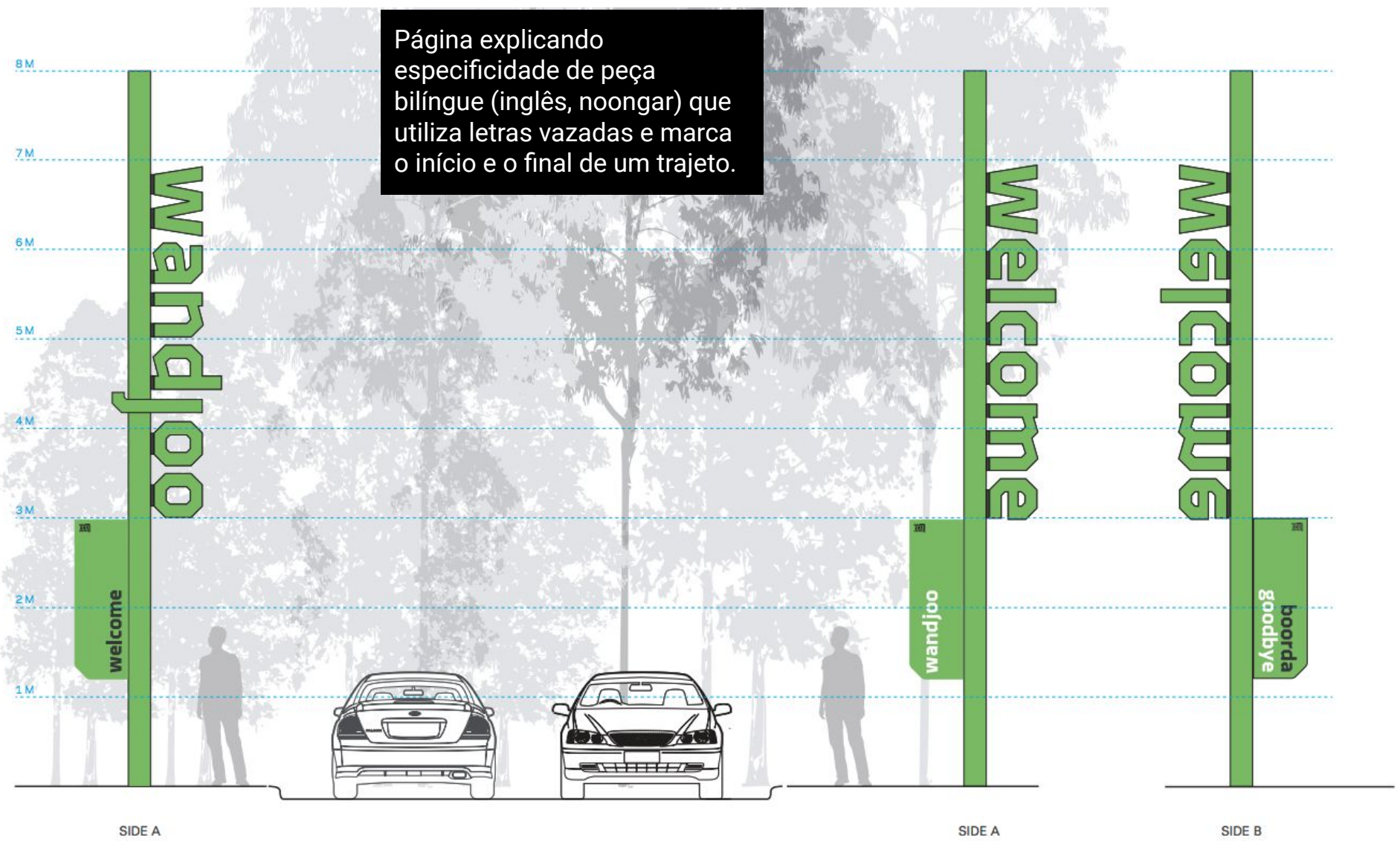
Scale 1:10

Ficha de peça com indicação de altura correta de aplicação.

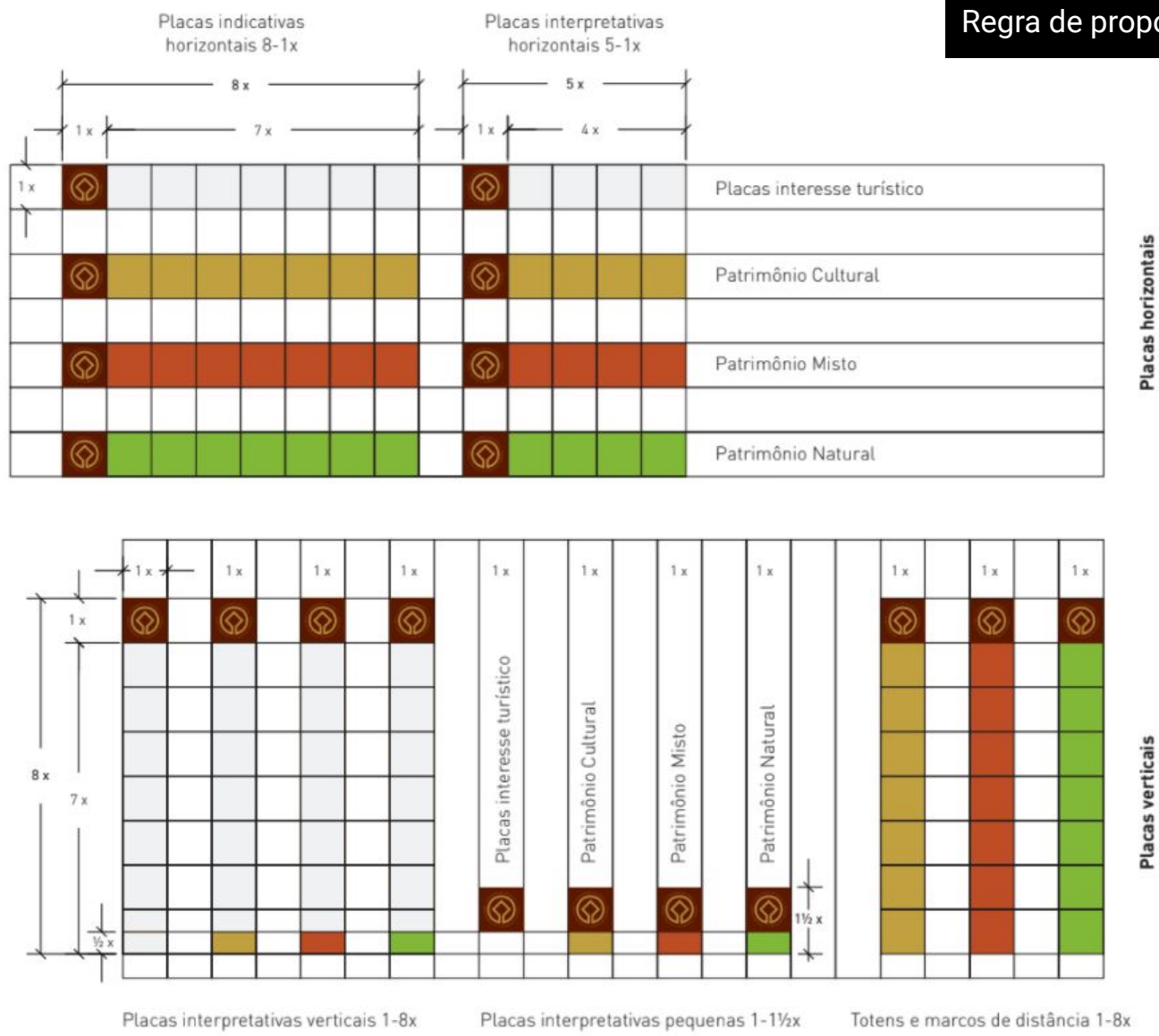


Typical Sign Location

Scale 1:20



Regra de proporção das peças



Regra de montagem das placas no suporte.



3. Parâmetros essenciais para a sinalização: elementos propostos

Os elementos de sinalização propostos aqui poderão ser utilizados, a partir de um trabalho de campo e em função da natureza do local e do bem a ser sinalizado. A proposta final deverá ser encaminhada para o IPHAN para sua análise e aprovação.

Comparação em escala e figuras humanas



Montagem com fotos aplicadas. As montagens fotográficas podem incluir o cenário real.



Peças em escala com
codificação



IUP21



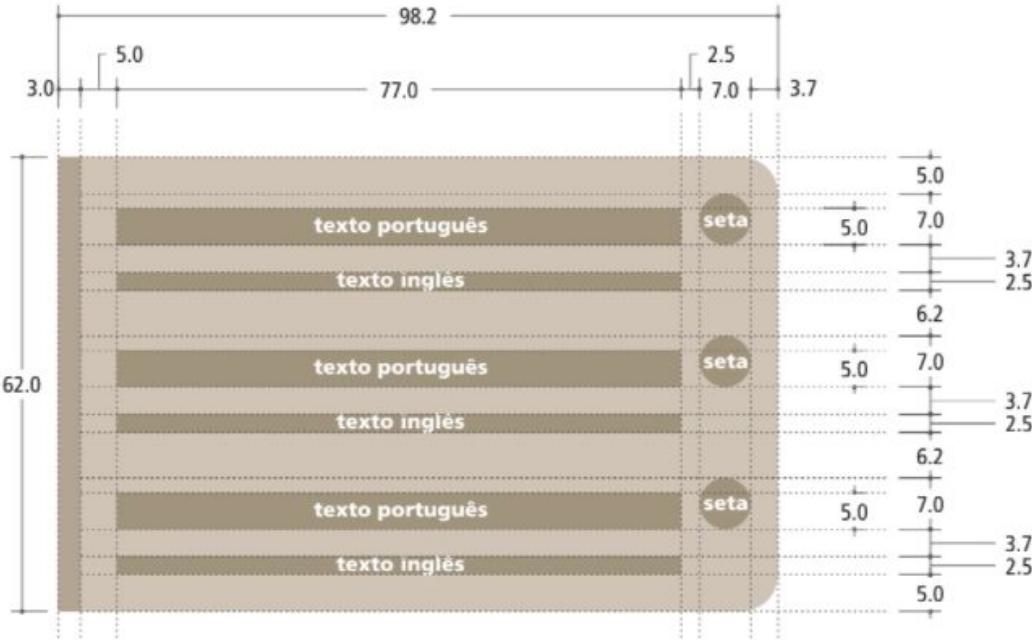
IUP22



IUM13 + IUMinfo + C

direcionais

ID32

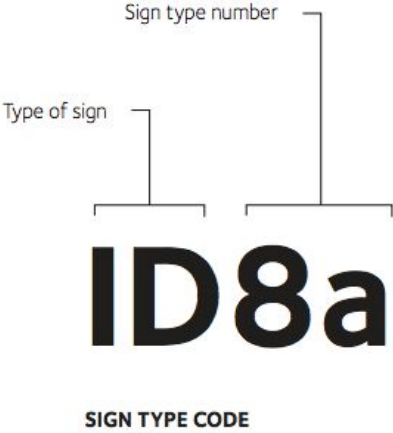


modelo em centímetros (sem escala)
(base de cálculo: pedestres e motoristas com velocidade máxima de 40km/h)

familia	direcionais
categoria	direcionais
código	ID32
altura padrão do poste	2.20m
localização	interno UC
texto	sim
quantidade de idiomas	2
seta	sim
pictograma	não
imagem	não
mapa	não
outros simbolos	não
logotipo UC	não
logotipo ICMBio	não
selo	não
outros logotipos	não
diferença de lado esq. e dir.	sim
combinação com as familias	direcionais
modelo baseado na altura-x	sim
alteração das dimensões da placa	sim

familia	código	
direcionais	ID12	direcional 1 mensagem, 2 idiomas
	CID12	complemento
	ID22	direcional 2 mensagens, 2 idiomas
	CID22	complemento
	ID32	direcional 3 mensagens, 2 idiomas
	CID32	complemento
	ID13	direcional 1 mensagem, 3 idiomas
	CID13	complemento
	ID23	direcional 2 mensagens, 3 idiomas
	CID23	complemento
	ID33	direcional 3 mensagens, 3 idiomas
	CID33	complemento
identificação	II2	identificação, 2 idiomas
	II3	identificação, 3 idiomas
	CII	complemento
regulamentares	IR	regulamentar
	CIR	complemento
	IRTC12	regulamentar texto curto 1 mensagem, 2 idiomas
	IRTC13	regulamentar texto curto 1 mensagem, 3 idiomas
	CIRTC	complemento
	IRTL	regulamentar texto longo
	CIRTL	complemento
informativa	INFO	informativa
	CINFO	complemento

familia	código	
identificação UC	IUP1	unidade portal modelo 1
	IUP21	unidade portal modelo 2 com 1 linha
	IUP22	unidade portal modelo 2 com 2 linhas
	IUP3	unidade portal modelo 3
	IUL	unidade lateral (conjunto com IUP3)
	IUM12	unidade modular 1 mensagem, 2 idiomas
	IUM13	unidade modular 1 mensagem, 3 idiomas
	IUMinfo	unidade modular informativa
	IUMinfo2	unidade modular informativa com 2 logos
	IUMinfo3	unidade modular informativa com 2 logos e 1 selo
	IUM2	unidade modular orientativa
edificações	CIUM	complemento
	IEL2a_p	identificação c/ pictograma - sobrepor
	IEL2a_pt	identificação c/ pictograma e texto (2 idiomas) - sobrepor
	IEL2b_p	identificação c/ pictograma - sobrepor
	IEL2b_pt	identificação c/ pictograma e texto (2 idiomas) - sobrepor
	IEL2c_12	identificação c/ pictograma e texto (2 idiomas) - sobrepor
	IEL2c_13	identificação c/ pictograma e texto (3 idiomas) - sobrepor
	IEL2Pa_p	identificação c/ pictograma - bandeira
	IEL2Pa_pt	identificação c/ pictograma e texto (2 idiomas) - bandeira
	IEL2Pb_p	identificação c/ pictograma - bandeira



ID1x

Identification

DR1x

Directional

IF1x

Information

RG1x

Regulatory



Internal



External



Braille and Tactile

Exemplo de tabela de peças, contendo miniatura, código, nome, uso, conteúdo típico e localização.

IDENTIFICATION SIGNS	SIGN TYPE	NAME	SIGN USE	TYPICAL CONTENT	LOCATION
CAMPUS IDENTIFICATION					
	ID1a	Major Campus Identification Sign - Low Wall	- identifies campus from major approach roads - use on large scale campuses	- Griffith University logo - campus name	- entry statements/gateways - main vehicular/pedestrian arrival point to campus
	ID1b	Major Campus Identification Sign - Freestanding	- identifies campus from major approach roads - to be viewed from a long distance - use on large scale campuses	- Griffith University logo - campus name	- entry statements/gateways - main vehicular/pedestrian arrival point to campus
	ID1c	Minor Campus Identification Sign - Freestanding	- identifies campus from secondary approaches - to be viewed from a shorter distance - use on smaller scale campuses	- Griffith University logo - campus name	- campus arrival points - secondary vehicular/pedestrian entrance to campus
	ID1d	Minor Campus Identification Sign - Wall Mounted	- identifies campus from pedestrian approaches - to be viewed from a short distance - use on small scale campuses	- Griffith University logo - campus name	- campus arrival points - minor pedestrian entrance to campus
BUILDING IDENTIFICATION					
	ID2a	Building Identification Sign - Vinyl on glass	identifies building from major pedestrian approaches	- building name - building number - current level number - opening hours and regulatory pictograms	- self adhesive graphics to glass door - at each pedestrian entrance to building

IDENTIFICATION SIGNS	SIGN TYPE	NAME	SIGN USE	TYPICAL CONTENT	LOCATION
	ID5b	Car Park Bay Identification Sign - Freestanding	• identifies permit only or reserved parking bays	• pictogram • supporting text	• freestanding • centred in front of each allocated bay
	ID5c	Car Park Bay Identification Sign - Wall Mounted	• identifies permit only or reserved parking bays	• pictogram • supporting text	• wall mounted • centred in front of each allocated bay
	ID6a	End of Trip Facilities Identification Sign - Freestanding	• identifies external bicycle rack location	• pictogram • supporting text	• freestanding • adjacent to each bicycle rack
	ID6b	End of Trip Facilities Identification Sign - Wall Mounted	• identifies enclosed bicycle facility	• pictogram • supporting text	• wall mounted • adjacent to bicycle facility entrance/gate
	ID7a	Set Down Identification Sign - Freestanding	• identifies set down areas along road	• setdown pictogram • support text	• freestanding • adjacent to setdown bay, perpendicular to road

DIRECTIONAL SIGNS

INTERNAL DIRECTIONAL

SIGN TYPE	NAME	SIGN USE	TYPICAL CONTENT	LOCATION
	DR3a Interior Directional Sign - Wall Mounted	• directs pedestrians to destinations within each building	• directions to destinations and facilities within building	• wall mounted • along pedestrian paths and decision points
	DR3b Interior Directional Sign - Suspended	• directs pedestrians to destinations within each building	• directions to destinations and facilities within building	• suspended from ceiling • above pedestrian paths and decision points
	DR3c Interior Directional Sign - Wall Mounted to Bulkhead	• directs pedestrians to destinations within each building	• directions to destinations and facilities within building	• wall mounted • above pedestrian paths and decision points

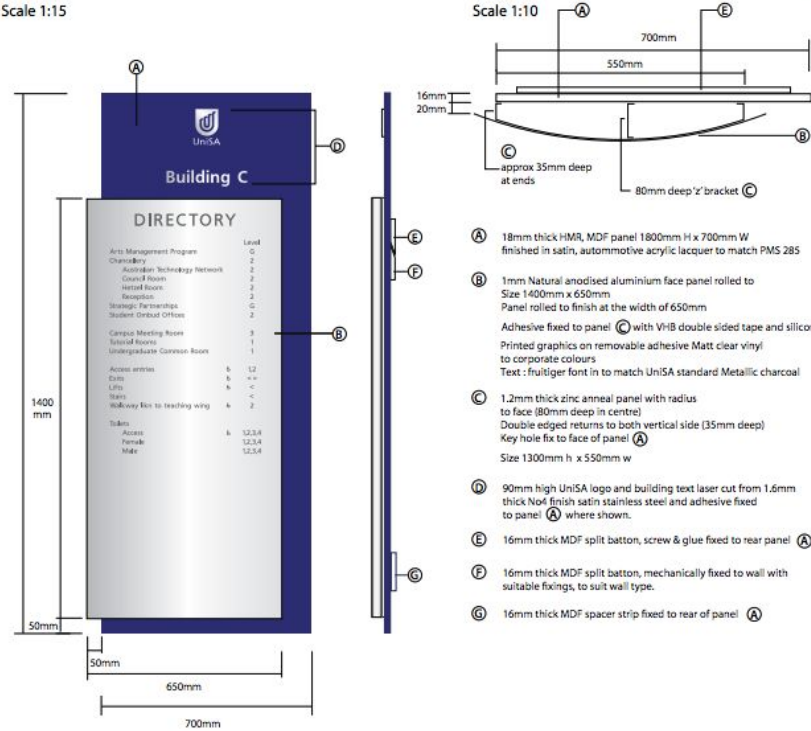
INFORMATION SIGNS	SIGN TYPE	NAME	SIGN USE	TYPICAL CONTENT	LOCATION
SITE DIRECTORY INFORMATION					
	IF1a	Site Directory Information Sign - Freestanding	• provides information on destinations within campus • orientates visitors within campus	• info pictogram • 'you are here' map • directory listing of major destinations • directions to precincts, buildings and transport	• freestanding • at major arrival and gathering points throughout the campus
BUILDING DIRECTORY INFORMATION					
	IF2a	Building Directory Information Sign - Wall Mounted	• provides a list of destinations within each building	• building name • building number • level directory of departments within building	• wall mounted • adjacent to building entry, lift lobby or stairs
REGULATORY SIGNS					
	RG1	Fire Stair Level Regulatory Sign - Wall Mounted	• provides internal fire stair level number	• level text • level number	• wall mounted • as required to fire engineer's requirements
	RG2	Pedestrian Regulatory Sign - Wall Mounted	• provides regulatory information • use for no smoking/conditions/regulations	• pictogram • support text	• wall mounted • as required by Griffith University

TECHNICAL SPECIFICATIONS

DIRECTORY BOARD Type A

P-DB-01

Scale 1:15



Signage Reference Number	P-DB-01
Sign Classification	Permanent Standard Campus Signage
Sign Type	Directory Board Type A
Sign Style	Building Directory Board
Font type/size/colour	Frutiger. / Metallic Charcoal
Placement	Prominent location in mainground door entries of each building
Other remarks	Keep a zone of 2m min clear around each sign. Peoples names and Titles are not to appear on this directory board.
Fixing Methods	Appropriate fixing methods to be adhered to by signage contractor with prior approval from FMU

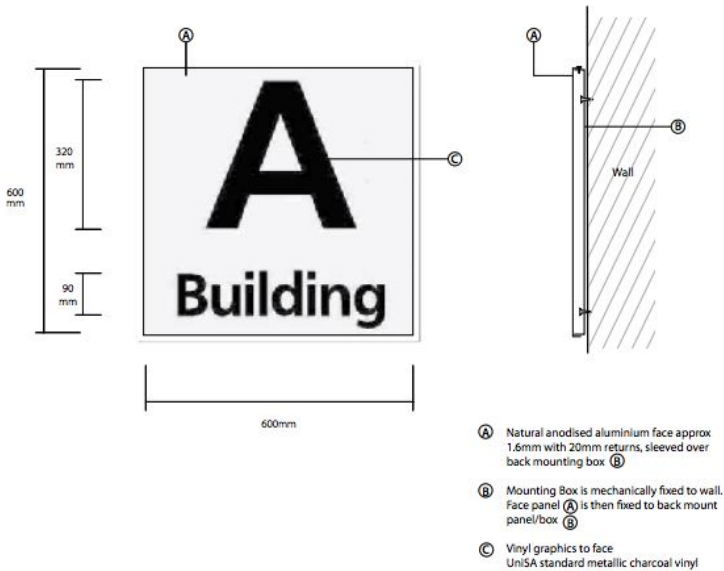
University of South Australia | Signage Manual | Last Modified April 2014

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TECHNICAL SPECIFICATIONS

BUILDING IDENTIFICATION Type A

P-BI-01



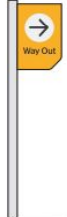
Signage Reference Number	P-BI-01
Sign Classification	Permanent Standard Campus Signage
Sign Type	Building Identification Type A
Sign Style	Alpha Sign
Font type/size/colour	Frutiger. / metallic Charcoal vinyl (027)
Placement	Prominent external location on main facade of building exact location to be negotiated with and approved by FMU
Other remarks	Sign to be 600x600x20mm natural anodised
Fixing Methods	Concealed fixings to be used that suit surface application.

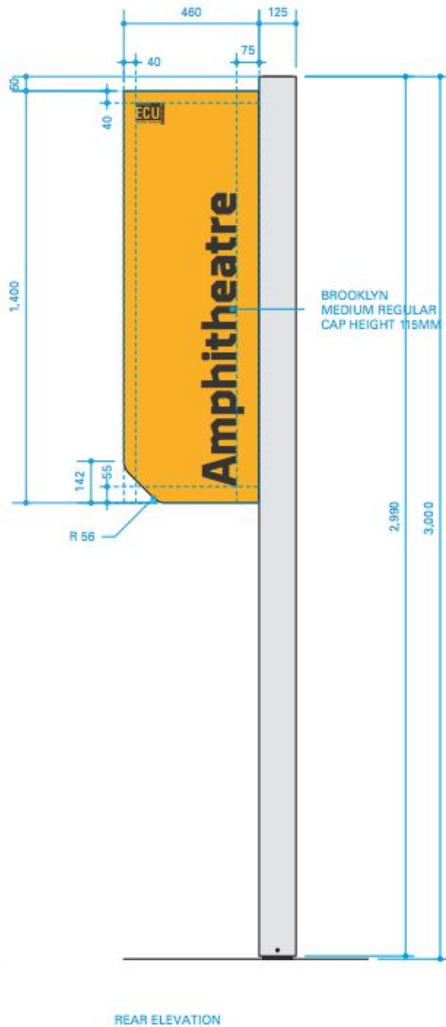
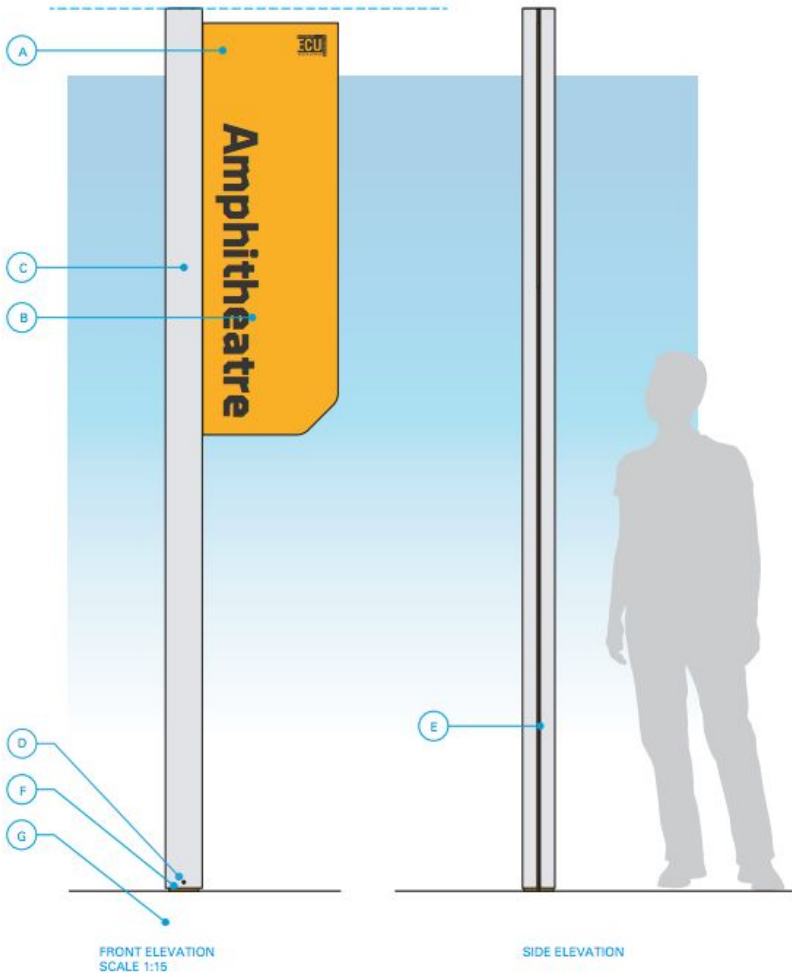
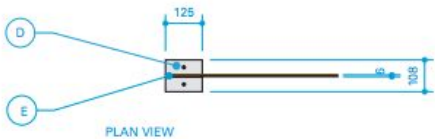
University of South Australia | Signage Manual | Last Modified April 2014

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Tabela de peças, contendo
Dos e Don'ts

5.2 External – Vehicular

Sign Type	Sign Content & Use	Do	Do Not
 VEH 1.1 Road Vehicular Directional (Large) Page 85	- Only direct to car park numbers, visitor parking, and guide people to the nearest campus exit - Help provide a safe driving environment - Positioned at driver decision points throughout each campus - Carefully coordinated with the vehicular and pedestrian traffic conditions in mind	- Direct to car park number - Direct to nearest visitor parking - Position signs in a clear area where they can be easily seen	- Direct to building names - Direct to parking types other than visitor parking - Positions signs where they cannot be seen, or may be partially covered by foliage/ landscape elements
 VEH 2.1 Road Vehicular Directional (Small) Page 88	- Only direct to car park numbers, visitor parking, and guide people to the nearest campus exit - Help provide a safe driving environment - Positioned at driver decision points throughout each campus - Carefully coordinated with the vehicular and pedestrian traffic conditions in mind - Use for shorter messages and single destinations - Can be combined with CPK1.1 if there is limited space for two signs	- Direct to car park number - Direct to nearest visitor parking - Position signs in a clear area where they can be easily seen	- Direct to building names - Direct to parking types other than visitor parking - Positions signs where they cannot be seen, or may be partially covered by foliage/ landscape elements. - Combine with more than one CPK1.1 flag
 VEH 3.1 Road Vehicular Code of Conduct Page 92	- Outlines the campus wide code of conduct requirements and expectations to drivers as they enter the campus - Show pedestrians have right of way, CCTV notice, parking rules, and no smoking message - Provide a combination of pictographics and text to convey messages to drivers	- Keep messages short and clear - Place at each vehicle entrance to the campus - Only provide the necessary information	- Provide long or overly wordy information - Position away from campus entrances
 VEH 4.1 Road Vehicular with Ticker Tape Page 93	- Combines a standard road directional sign with a ticker tape LED display - Ticker tape display to show marketing messages and events information - Marketing content should be kept to a minimum	- Provide short, relevant information to drivers about events locations happening in the near future - Direct drivers to locations across the campus - Note any changes to traffic conditions	- Provide information which is long or overly wordy - Use for emergency information - Provide critical information on the display



- DESIGN SPECIFICATION NOTES
- CONSTRUCTION:
- A. Sign panels- Primary, 6mm aluminium sheet
finish- Campus colour P1 or P2 or P3
Bolted to internal SHS post
 - B. Sign graphics, computer cut self adhesive vinyl film
spec- V4
finish- Painted Protective clear coat (70 % Gloss)
 - C. Post sleeves. 100x50 RHS trimmed, top capping
internal 'Z' channel brackets.
 - D. Security head screws at top and base (x4)
spec- Stainless steel M4 Torx (not painted)
 - E. Slot detail, 8mm wide, visible 6mm blade
finish- Campus colour P1 or P2 or P3
 - F. Base detail, 10mm shadow gap to post
 - G. Footing, hidden below paving/ landscaping
- Refer to VEH 2.1, Section A and Sign Detail for further construction detailing

PED1.1 PEDESTRIAN DIRECTIONAL
PANEL

DESIGN SPECIFICATION NOTES

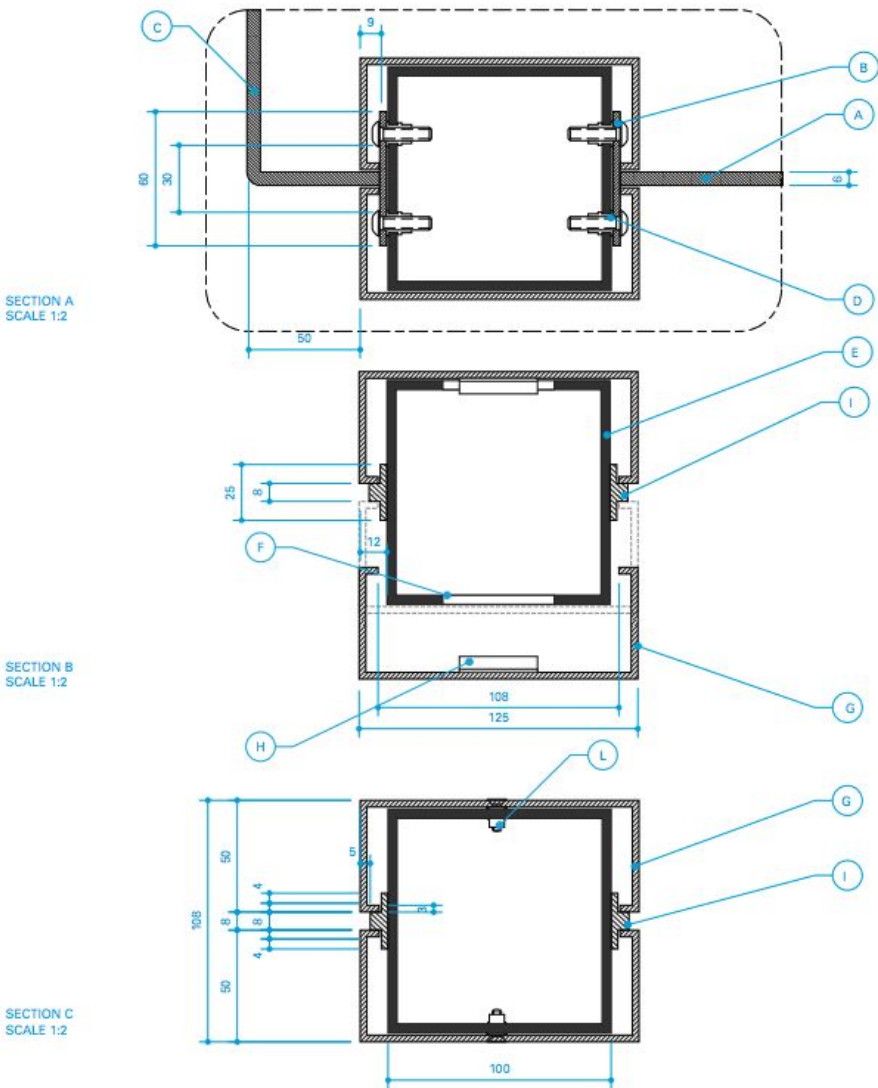
- CONSTRUCTION:
- A. Sign panel, 6mm aluminium sheet
 - B. Sign panel mount, 3mm aluminium sheet
 - C. Folded sign panel
 - D. M6 S/S Pan head bolts to post (nutserts in post)
 - E. Structural post, 100x100x4mm SHS aluminium welded to base plate
 - F. 50x50mm holes for 'z' channel tabs
 - G. Post sleeves, trimmed 125x50x3mm RHS aluminium
End of sleeves capped with 3mm plate
 - H. 'Z' Channel tabs, 12x7x11mm aluminium (2 per sleeve)
bonded to internal face of sleeve
 - I. Mounting trim, bonded to post, 5mm recess detail
machined 25x12mm aluminium bar or extrusion
 - J. M4 security bolts, to secure post sleeves to post.
(top capping and base). nutserts in post.

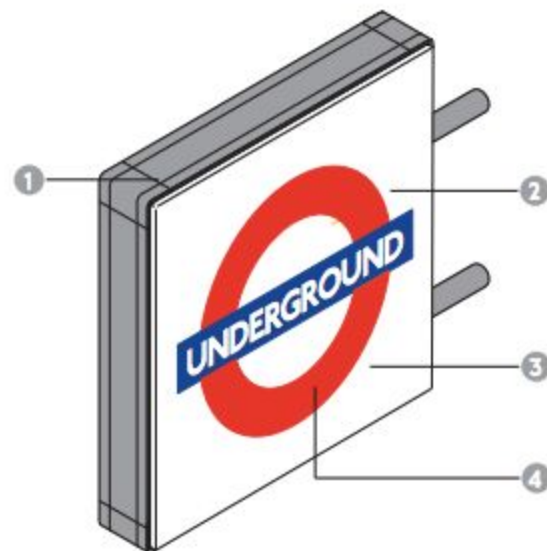
Exemplo de desenho técnico
dos aspectos construtivos.

ECU WAYFINDING & SIGNAGE MANUAL

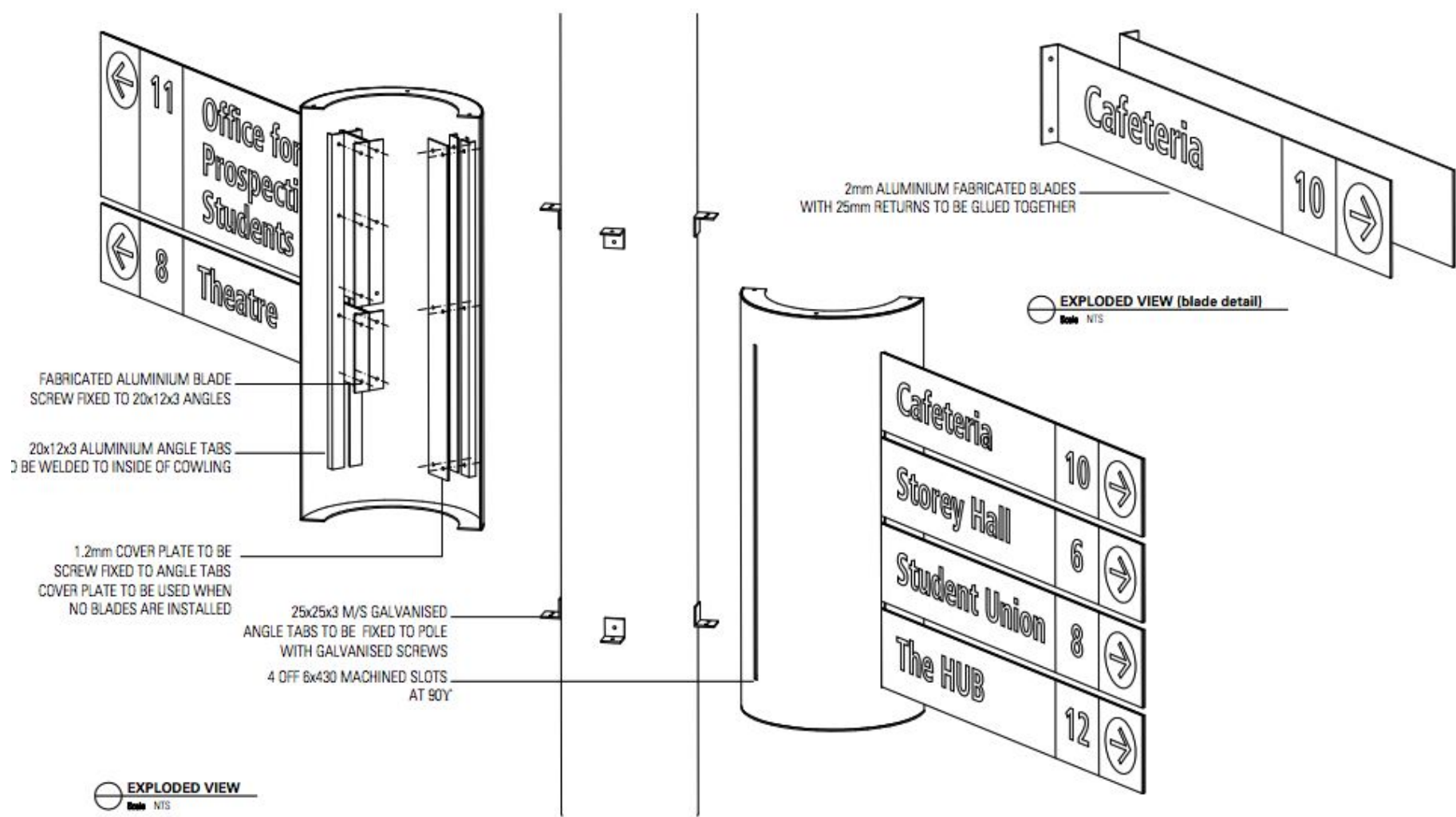
Date 15/03/16

Version 13

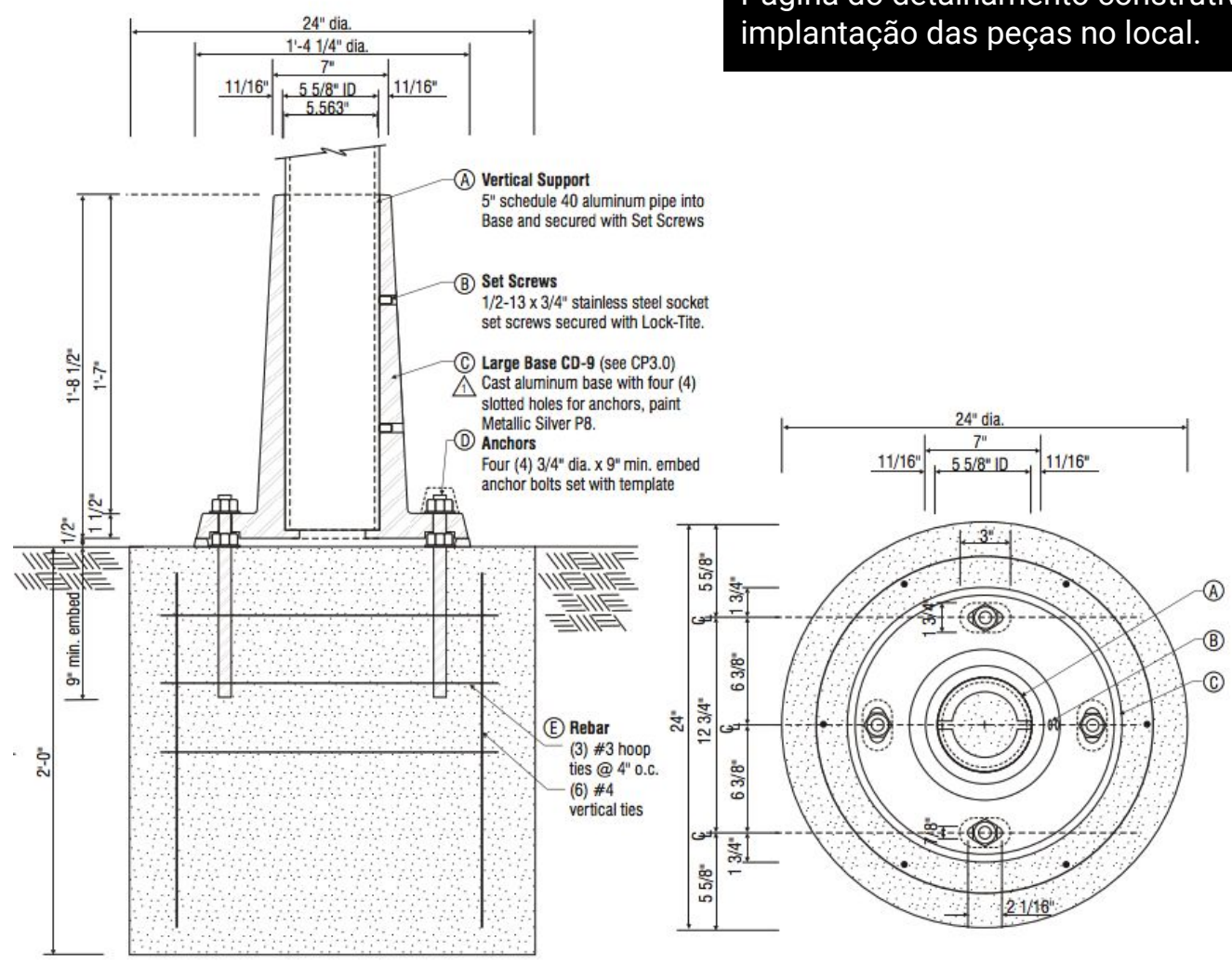




Aspectos construtivos em perspectiva explodida.

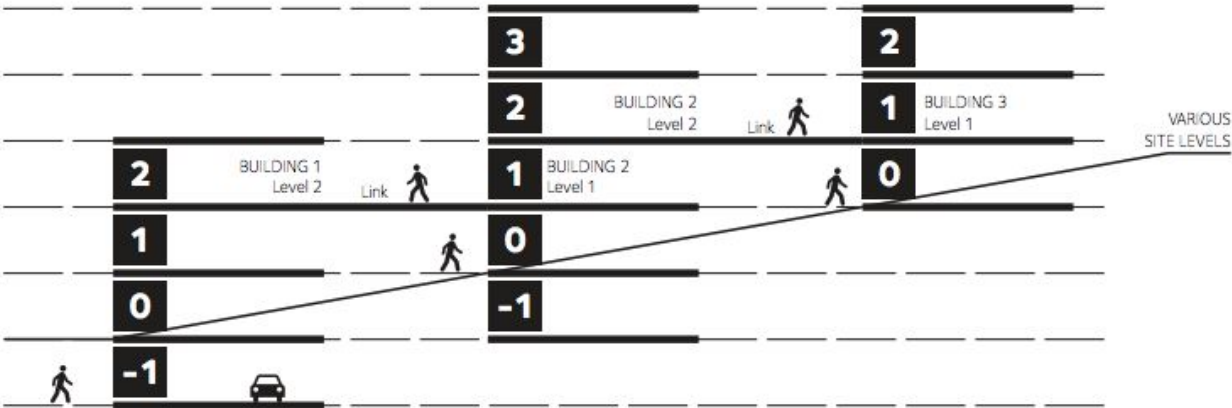


Página do detalhamento construtivo para
implantação das peças no local.

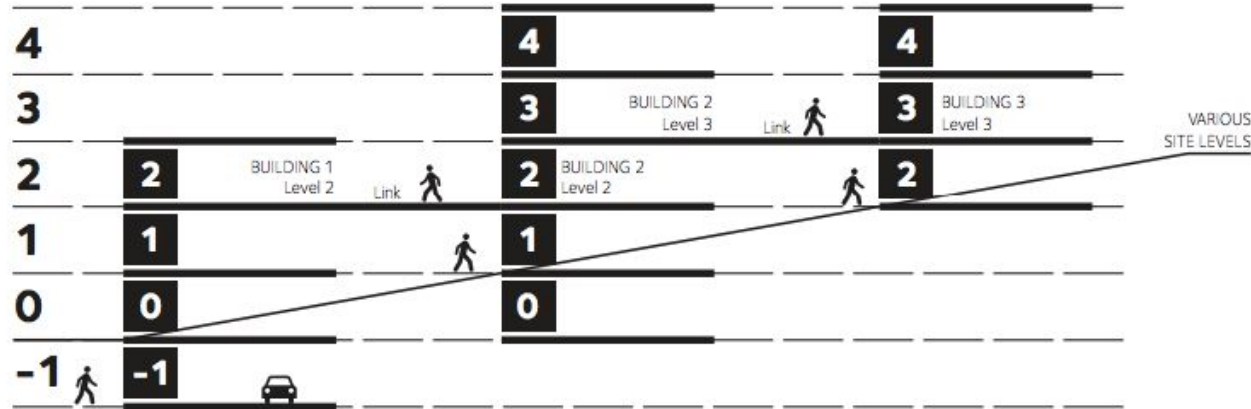


② Vertical Section View / A1.0 & A1.1 Second Pole Drilled Footing
Scale: 1 1/2" = 1'-0"

③ Plan View / A1.0, A1.1, A2.0 & A2.1 Drilled Footing
Scale: 1 1/2" = 1'-0"

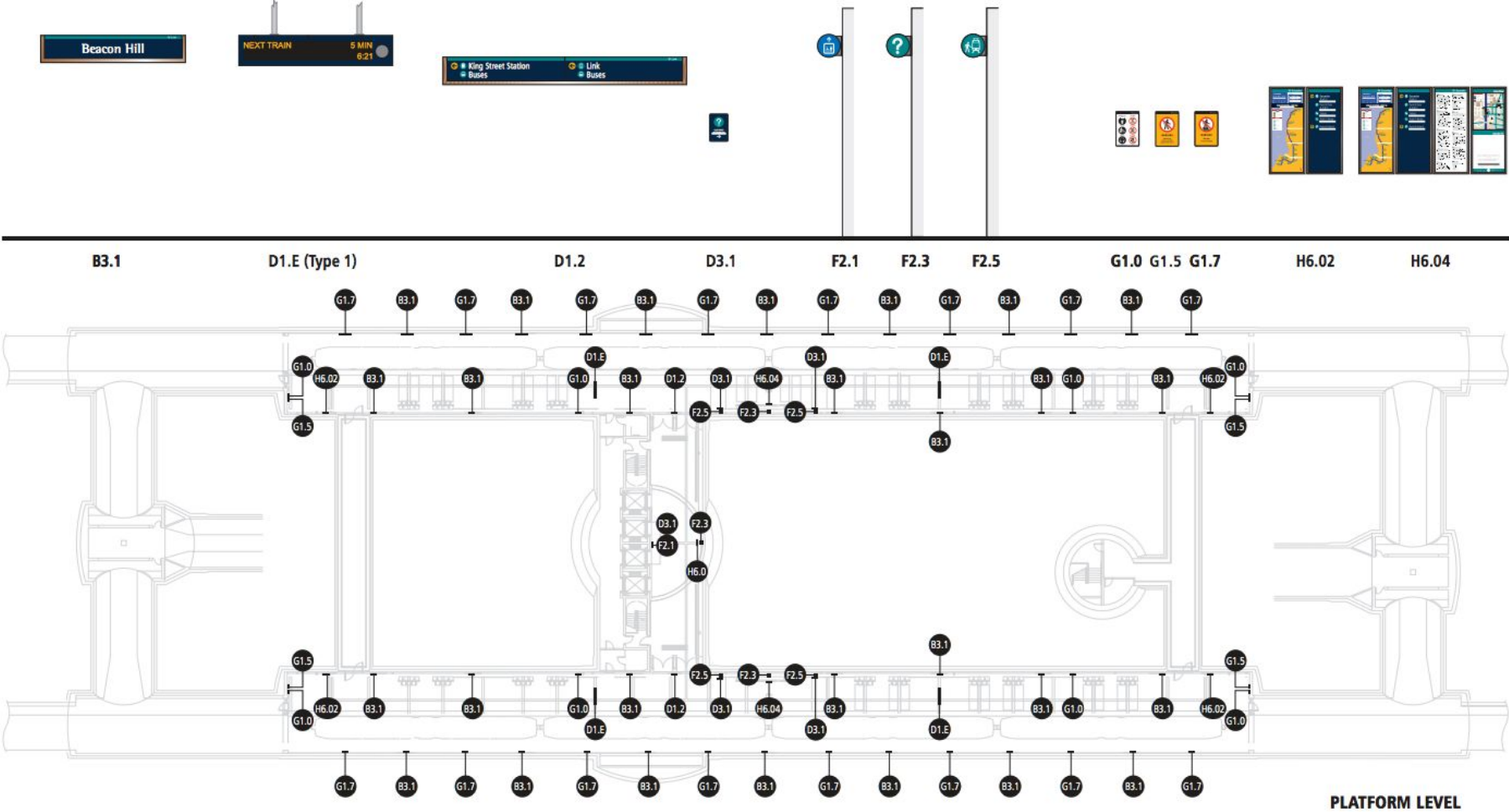


Existing Situation

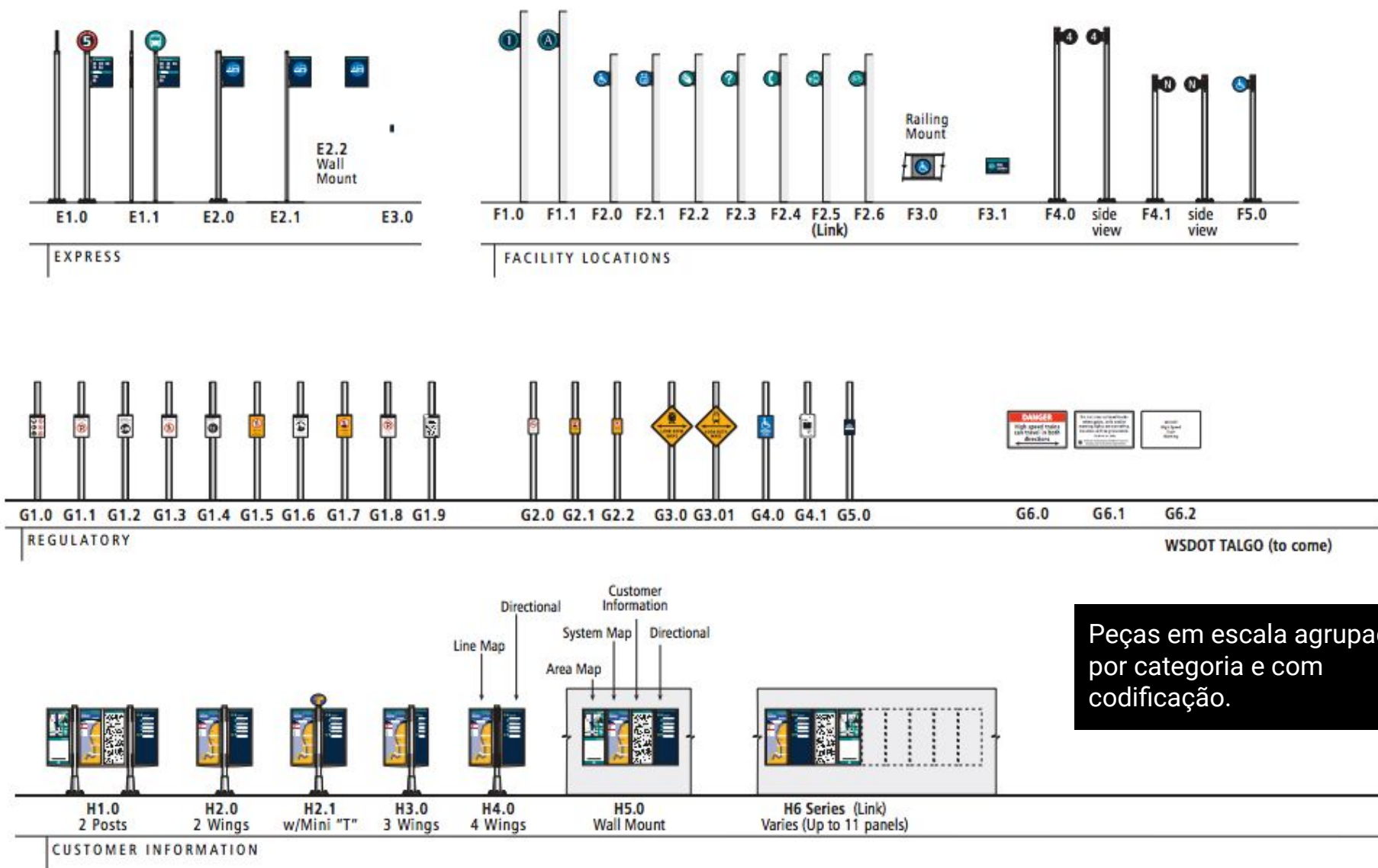


Aspirational (Long Term) - site wide level numbering across all linked buildings

Exemplo de mapa de posicionamento.



Sound Transit - Empresa pública de transportes na região de Seattle



Peças em escala agrupadas por categoria e com codificação.

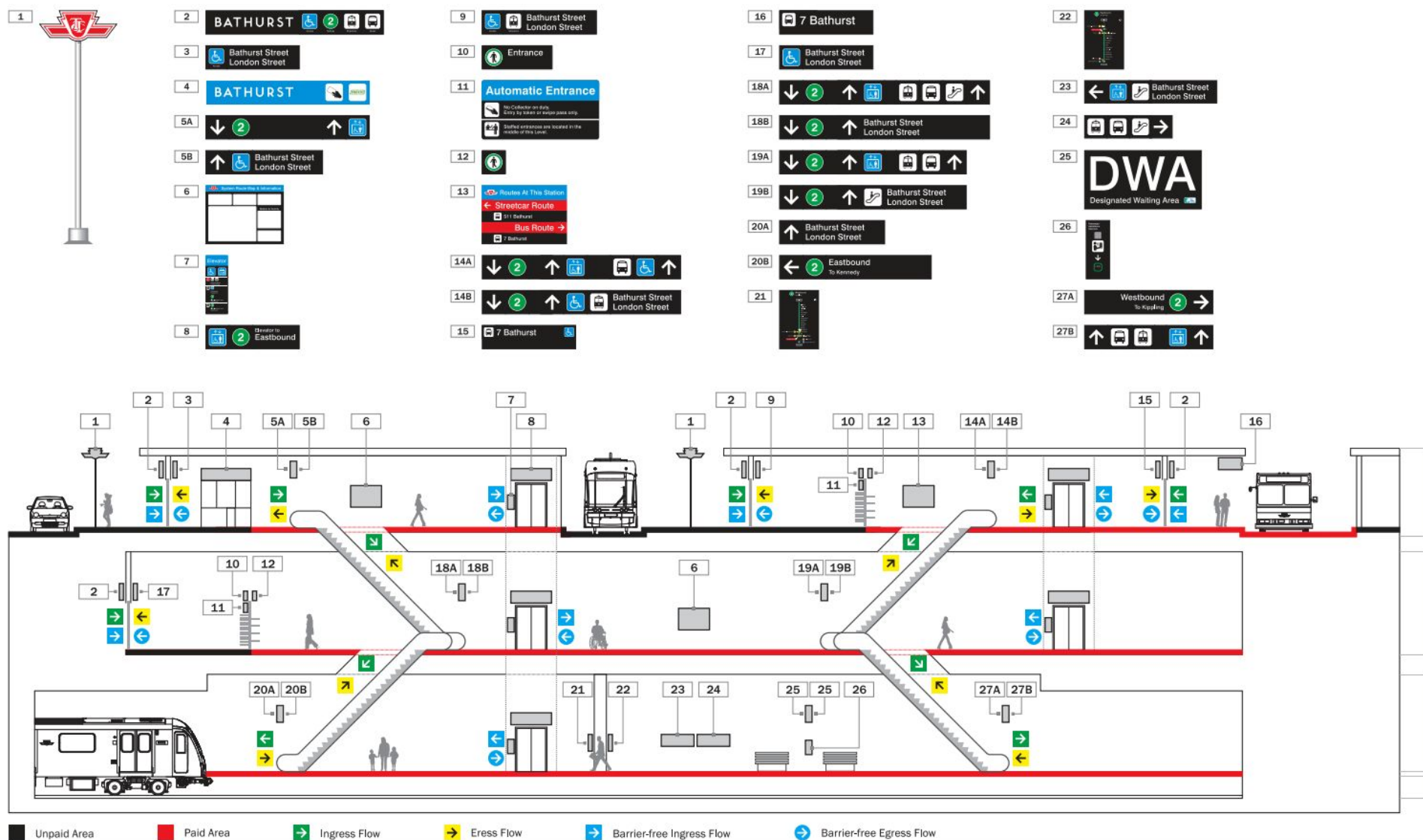
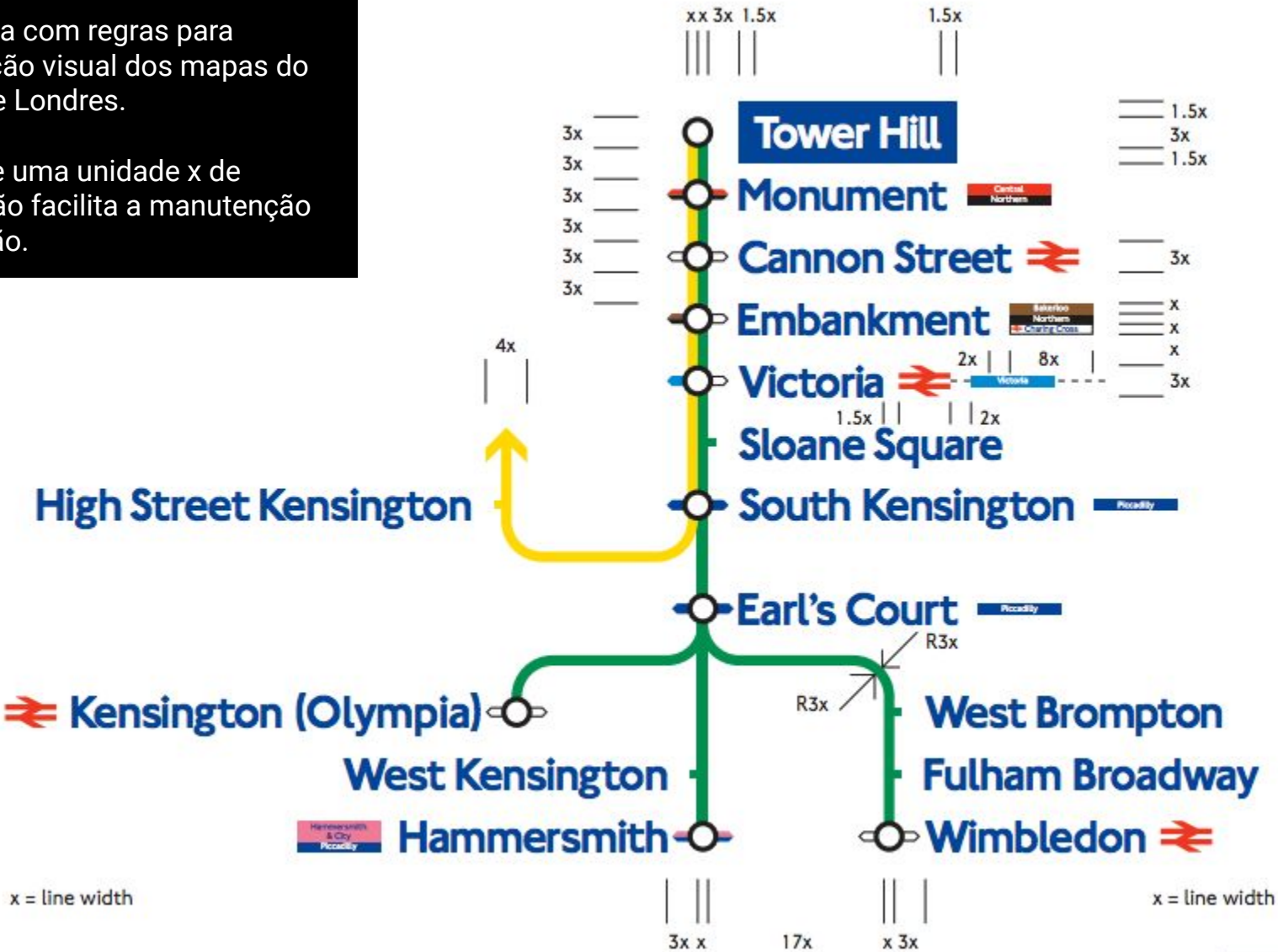
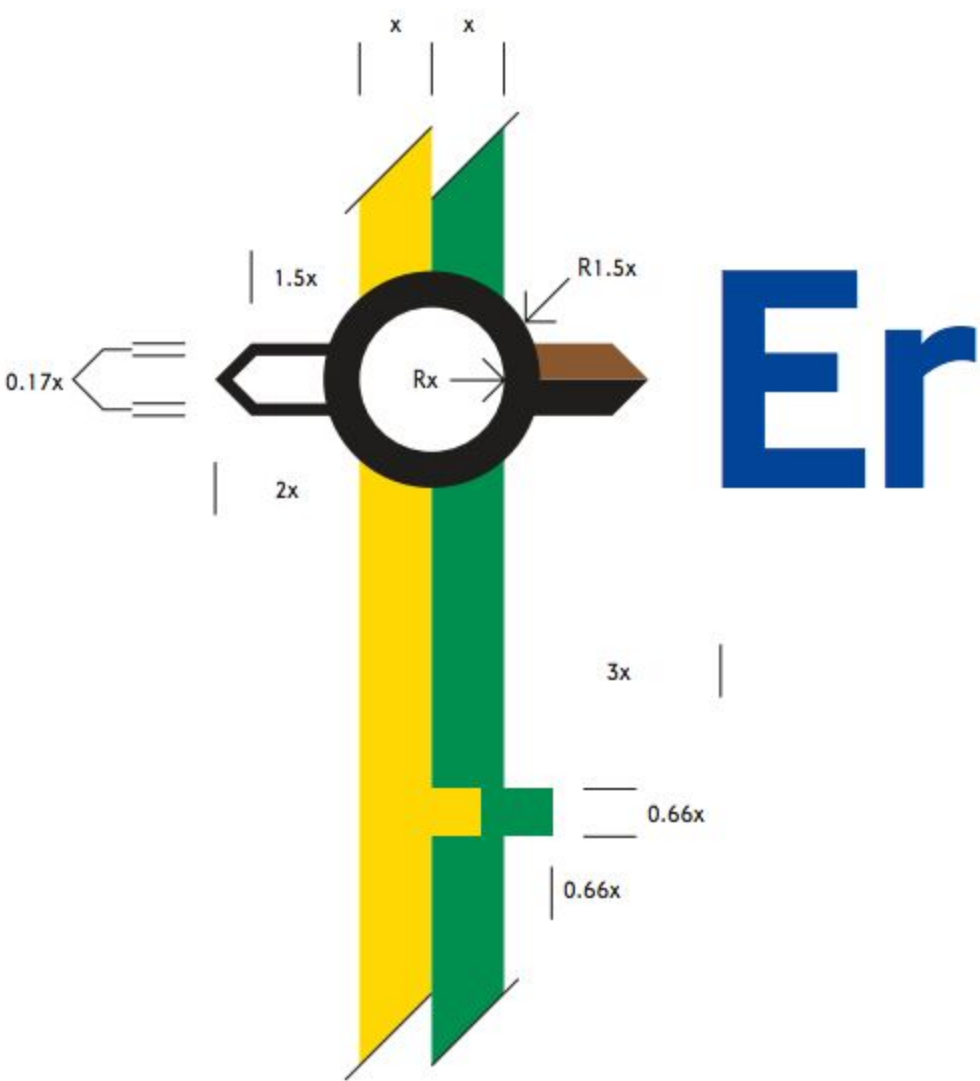
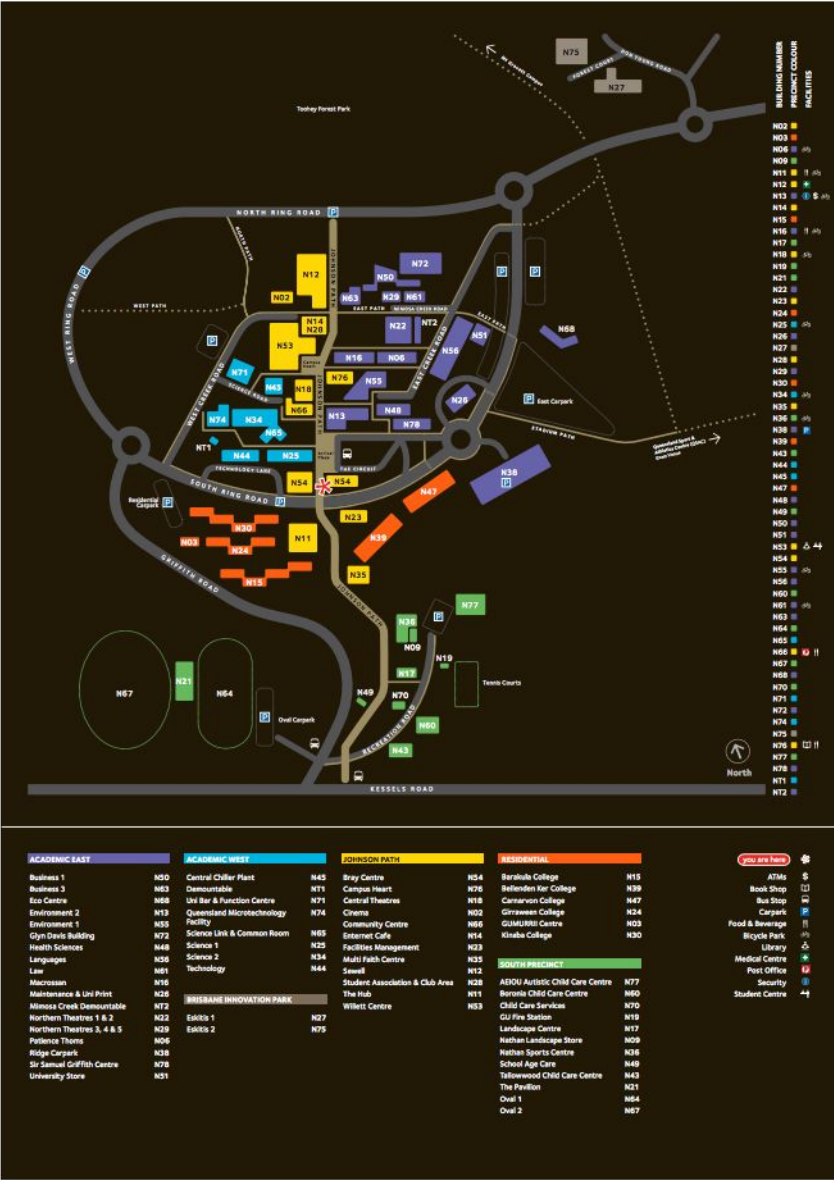


Diagrama com regras para elaboração visual dos mapas do metrô de Londres.

O uso de uma unidade x de proporção facilita a manutenção do padrão.



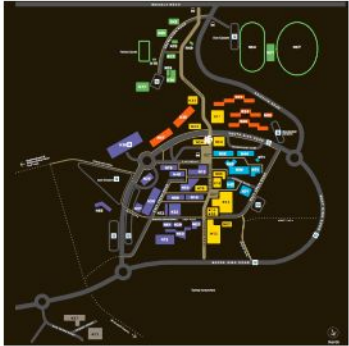




VIEW NORTH



VIEW EAST

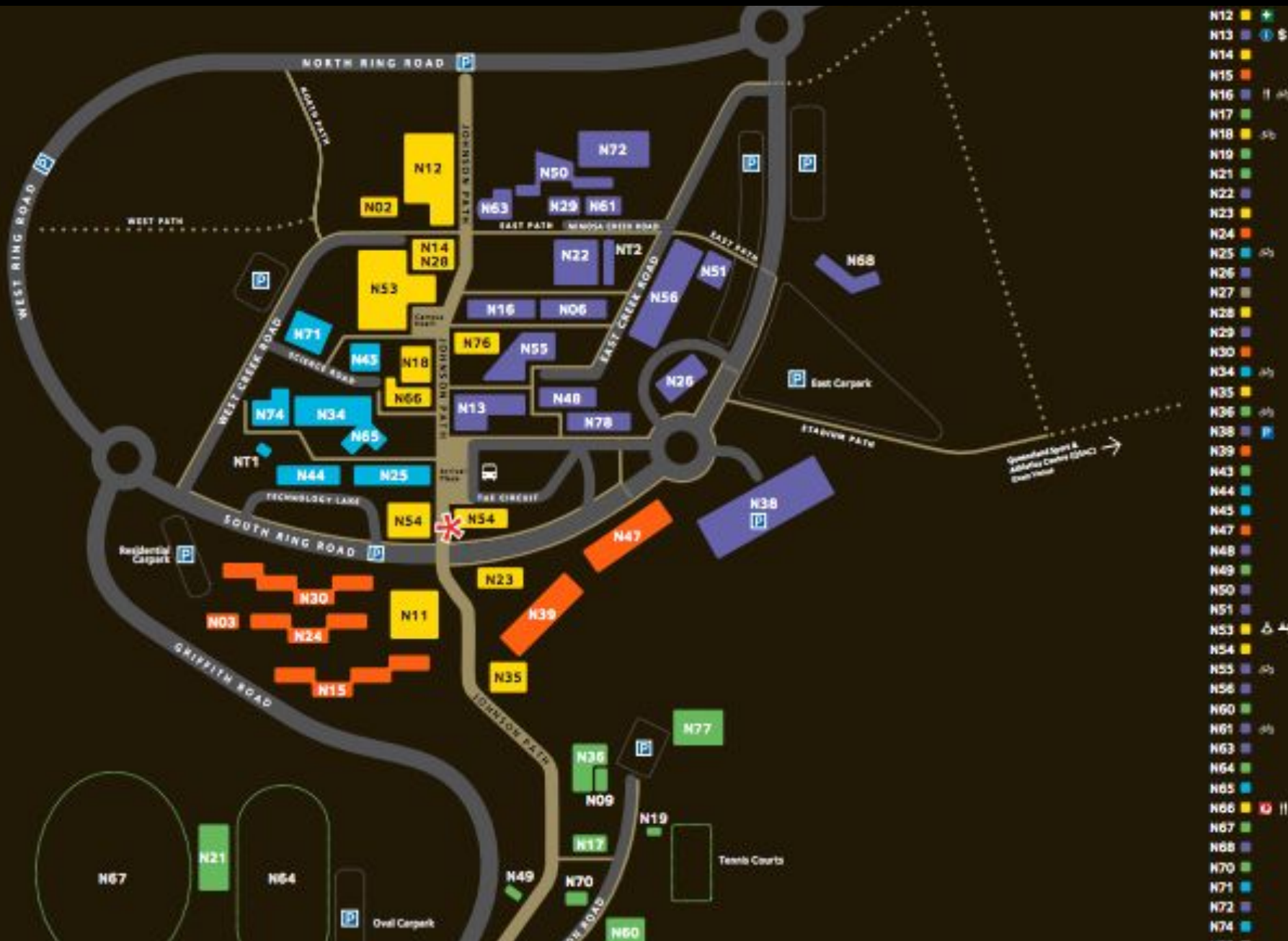


VIEW SOUTH



VIEW WEST

Previsão de mapas rotacionados para diferentes orientações. Uso de cores nas legendas.





Access & Mobility Map
Mount Lawley Campus



Edith Cowan University

ECU's Access and Mobility maps provide important community information that enable people with access and mobility issues to make more informed choices about their selection of safe and accessible routes on campus.

Maps are available from:
Building 3
Campus Support Office

Electronic versions of ECU's Access and Mobility maps are also available to download from:
www.ecu.edu.au/about-ecu-four-campuses/campus-maps

Or from the Equity, Diversity & Disability website:
www.ecu.edu.au/student/student-equity

While the maps have been developed following a comprehensive survey process, the physical face of our campuses does change over time. To assist with further upgrades to the maps please email any necessary changes to studentequity@ecu.edu.au

Useful Contacts

Main number:
134 ECU (143 328)
Security (all hours):
(61 8) 6304 3333

Student Equity, Diversity & Disability Services
(61 8) 9370 6960

Student Central (current student enquiries):
(61 8) 6304 2000

The information on this map is correct to the best of knowledge of the producers at the time of publication. Whilst all care has been taken, Edith Cowan University accepts no liability for any inconvenience, damage or injury whatsoever that may occur by reliance on this information.



- ♿ Accessible Female Toilet
- ♿ Accessible Male Toilet
- ♿ Accessible Parking - ACROD & number of bays
- ♿ Accessible Parking Set Down
- ♿ Accessible Shower Facility
- ♿ Accessible Unisex Toilet
- ♿ ATM - Tactile & Wheelchair Accessible
- ♿ Audible Tactile Pedestrian Crossing
- ♿ Bus Shelter - Tactile & Wheelchair Accessible

- ♿ Bus Stop
- ♿ Bus Stop Number
- ♿ Car Park Number
- ♿ Changing Places
- ♿ Defibrillator
- ♿ Emergency Assembly Area
- ♿ Information
- ♿ Kerb Ramp - Non Tactile
- ♿ Kerb Ramp - Tactile

- ♿ Lift
- ♿ Medical Centre
- ♿ Motorised Height Adjustable Desk
- ♿ Parents Room
- ♿ Pedestrian Crossing
- ♿ Public Phone
- ♿ Public Seating
- ♿ Ramp
- ♿ Ramp with Handrail

- ♿ Screen Reading Technology
- ♿ Security Phone
- ♿ Shower Facility
- ♿ Steep Uphill Gradient
- ♿ Steps
- ♿ Steps with Handrail
- ♿ Student Equity, Diversity, & Disability Services
- ♿ Tactile Displays
- ♿ Taxi

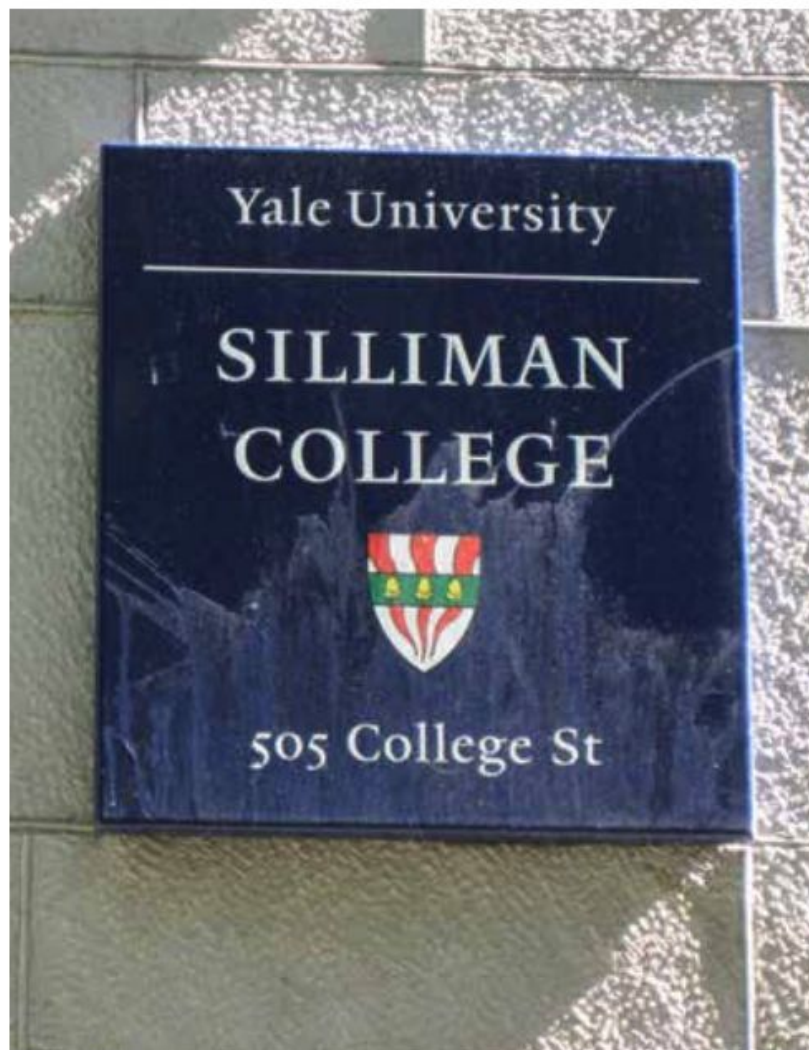
- ♿ Toilet - Male/Female
- ♿ Water Refill Station - Accessible
- ♿ Wheelchair Recharge Facilities
- ♿ Accessible Bus Route
- ♿ Accessible Parking
- ♿ Accessible Route
- ♿ Link Bridges
- ♿ Reserved Parking
- ♿ Staff Parking
- ♿ Student Parking

- University Vehicles
- Visitor Parking
- Using ECU Room Numbers:
10.123
Building Level Room

Yale University Campus Signage

Placas com esmalte de porcelana sinalizam a identificação das unidades na Universidade de Yale.





Placas com manchas de ovo (esq.) e o que parecem ser golpes de martelo ou de balas (dir.).
A primeira pode ser lavada com limpador não-abrasivo, a segunda deve ser substituída.

Ao versionar o manual, indique as atualizações.

SIGNAGE MANUAL – Revision History

Page No.	Version 4.1	future version
Cover Page	Version number / Web address	
Contents	Updated	
Section 1		
Section 2		
2.1		
2.2		
2.3	Updated	
2.4		
2.5	Updated	
2.6		
2.7	Updated	
2.8	Updated	
2.9		
2.10		
Section 3		
3.1		
3.2		
3.3		
3.4	Added Lightrail pictogram	
3.5		
3.6	Added precinct colours, incl GCC	
3.7		
3.8		

STANDARD DOOR PLATE – JOB SHEET

☐ City East ☐ City West ☐ Magill ☐ Mawson Lakes ☐ Whyalla/Mt Gambier

CONTACT DETAILS:
Name: _____
Contact Telephone Number: _____ Mobile _____
Division/Unit/School/Research Area: _____
Date Requested: _____ Due Date _____
AD PG SR TN PD - -
Other

Room No.	Text on Plate and Door Type	Cost (FMU)	Cost (School)
☐ New Plate ☐ Old Plate *Current Plate Line 1 Line 2 ☐ Solid Door ☐ Glass Door ☐ Sliding Door ☐ Door with Window ☐ Other	Office Use Only	Office Use Only	
☐ New Plate ☐ Old Plate *Current Plate Line 1 Line 2 ☐ Solid Door ☐ Glass Door ☐ Sliding Door ☐ Door with Window ☐ Other	Office Use Only	Office Use Only	
☐ New Plate ☐ Old Plate *Current Plate Line 1 Line 2 ☐ Solid Door ☐ Glass Door ☐ Sliding Door ☐ Door with Window ☐ Other	Office Use Only	Office Use Only	
*New Plate: Single plate with metallic charcoal text TOTAL			

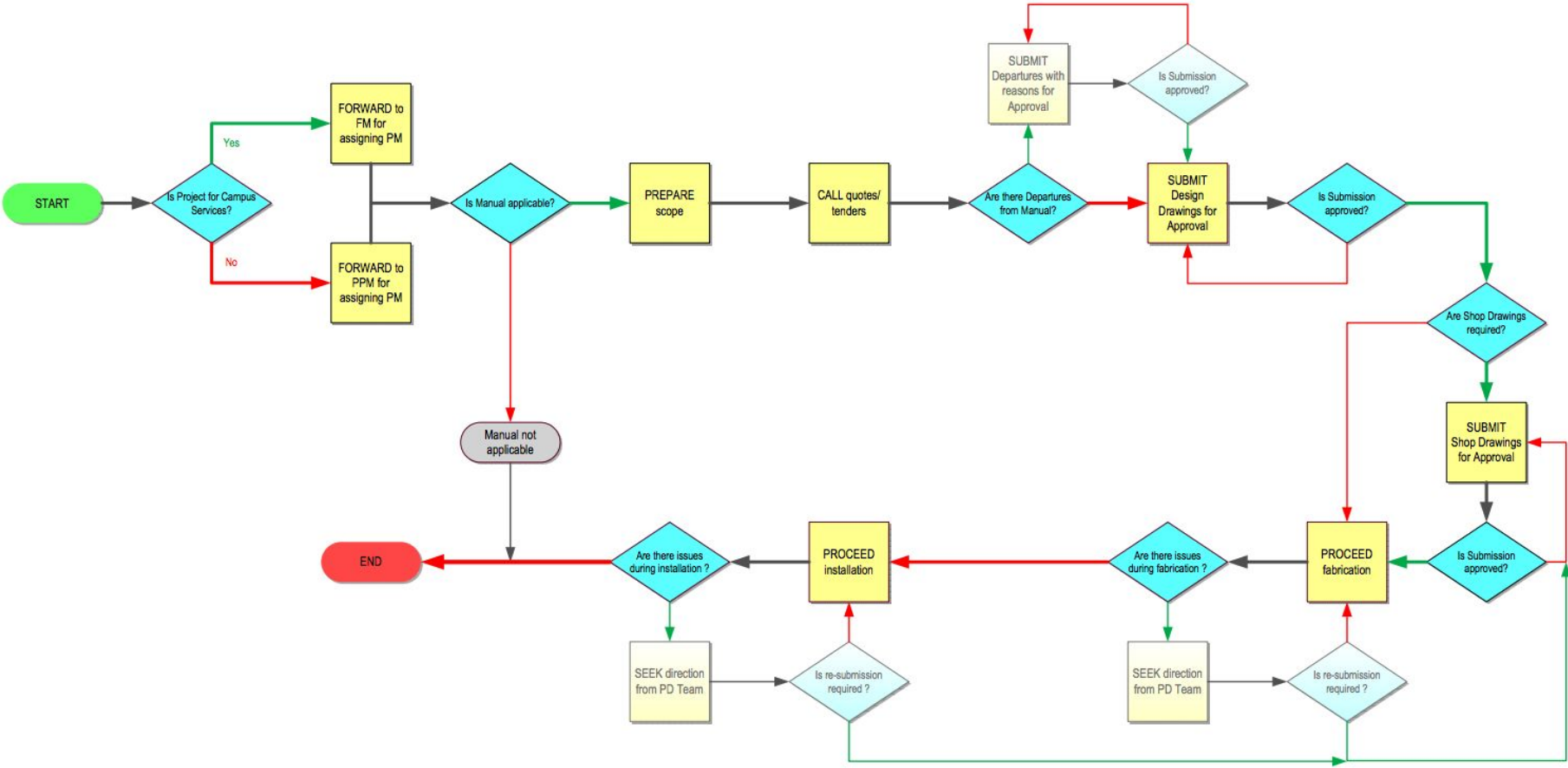
Please fax completed forms to ext.24751 OR email to FMUsignage@unisa.edu.au. Enquiries can be directed to ext.24851.

OFFICE USE ONLY:
Job Number: _____ Booked Out date: _____
Signed _____

Revised 5th July 2011

Exemplo de uma ficha de solicitação de uma simples placa de porta.

Árvore de decisão para etapas de aprovação para novas solicitações ou atividades de manutenção.



Manuais de referência

Amtrak - Empresa estatal federal de transporte ferroviário de passageiros dos EUA

https://www.dot.ny.gov/main/business-center/designbuildproject/repository/Amtrak_Graphic-Signage-Standards-Manual_2010.pdf

Edith Cowan University - Australia

https://www.ecu.edu.au/_data/assets/pdf_file/0010/879940/Issue-2-SM01-v14-ECU-Wayfinding-and-Signage-Manual-June-2016.PDF

London Underground

<http://content.tfl.gov.uk/lu-signs-manual.pdf>

Los Angeles County Metropolitan Transportation Authority (LACMTA or Metro) - Metro Graphic Standards 2.0

Manual de sinalização do Instituto Chico Mendes de conservação ambiental

Manual de Sinalização do Patrimônio Mundial no Brasil

http://portal.iphan.gov.br/uploads/ckfinder/arquivos/Manual_Sinalizacao_Patrimonio_Mundial.pdf

RMIT University (Instituto Real de Tecnologia de Melbourne) Signage Manual

<http://mams.rmit.edu.au/hr2s3puo2rgb.pdf>

Sound Transit - Empresa pública de transportes na região de Seattle

<https://www.soundtransit.org/sites/default/files/documents/pdf/projects/help/signagedesignmanual.pdf>

Toronto Transit Commission

https://joelclark.org/design/signage/TTC/2015/TTCWayfindingStandardsManual_201409.pdf

Universidade de Adelaide - Austrália

https://www.adelaide.edu.au/infrastructure/projects/info/signage-standards-june_2015.pdf

Universidade Griffith - Queensland, Austrália.

https://www.griffith.edu.au/_data/assets/pdf_file/0027/196731/Signage-Manual-Version-4.1.pdf

University of South Australia

https://i.unisa.edu.au/siteassets/staff/facilities/documents/forms/signage/fmu-signage_manual_april-2014.pdf

Yale University Campus Signage

Prepared by the Office of the University Printer

<https://printer.yale.edu/sites/default/files/files/YaleSignManual.pdf>

Manuais do DENATRAN

Manual Brasileiro de Sinalização de Trânsito, Volume I - Sinalização Vertical de Regulamentação

http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_I_2.pdf

Manual Brasileiro de Sinalização de Trânsito, Volume II - Sinalização Vertical de Advertência

[http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_II_\(2\).pdf](http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_II_(2).pdf)

Manual Brasileiro de Sinalização de Trânsito, Volume III - Sinalização Vertical de Indicação

http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_III_2.pdf

Manual Brasileiro de Sinalização de Trânsito, Volume IV - Sinalização Horizontal

http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_IV_2.pdf

Manual Brasileiro de Sinalização de Trânsito, Volume V - Sinalização Semafórica

[http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_V_\(2\).pdf](http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_V_(2).pdf)

Manual Brasileiro de Sinalização de Trânsito, Volume VII - Sinalização Temporária

http://www.denatran.gov.br/images/Educacao/Publicacoes/Manual_VOL_VII_2.pdf