

	600*600mm Acoustic ceiling tile
	600*1500mm Acoustic ceiling tile
	12mm plain gypsum plaster board ceiling on studs



1. This drawing is a copyright of Symbol Key, Ltd.
2. Do not scale off this drawing.
3. All levels and dimensions to be confirmed on site before any building work commences.
4. Any discrepancies to be reported to the office of the consultant.
5. All work to be carried out in accordance with the standard specifications.
6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. p denotes permanent air vents over doors and windows as shown.
10. A 300mm x 300mm x 30mm brickwork to be provided between masonry and R.C. work.
11. Drain pipes passing under masonry, driveway and building to be encased in 150mm thick concrete surround.
12. All reinforced concrete work to structural engineer's drawings.
13. All sanitary works to the entire satisfaction of A.I.W.
14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILE PATH
\\APPSERVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENTS\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT'S stage 4-TD\ACN PLIN\ACN
PLIN.rvt

[illegible]

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

Office: + 254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

100% Submittal-Final construction documents

Revision:		Drawn	LM
Issue	21/06/2020	Checked	GM
Scale @	As indicated	Approved	OO
SHEET TYPE			

SHEET NUMBER

SHEET NUMBER

CLASSIFICATION:
Sensitive but unclassified

2. Do not scale off this drawing.
3. All levels and dimensions to be checked on site before any building work commences.
4. All discrepancies to be reported to the Office of the Engineer.
5. All work to be strictly in accordance with the standard specifications.
6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. p.v. denotes permanent air vents over doors and windows as shown in the drawing.
10. A single layer of 3-ply bitumastic felt to be provided between masonry and R.c. work.
11. Drain pipes passing under timber, driveway and building to be encased in 150mm thick concrete around.
12. All reinforced concrete work to structural MOH.
13. All sanitary works to the entire satisfaction of MOH.
14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

Revisions

No.	Date	Description
1	25/09/2020	a. Addition of CPU tower mount storage units
		b. Addition of 75mm dia. grommet with cover
2	02/10/2020	c. Removal of lockable storage cabinet Reinstalled back the lockable storage cabinet & the display shelf above it

UNITED STATES GOVERNMENT,
11 S EMBASSY NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733901386, +254722808000
E mail: symbionkenya@symbion-intl.com
WEBSITE: www.smbion-intl.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

100% Submittal-Final construction documents

Revision 02	Drawn	LM
Issue	Checked	GM
Scale @	Approved	00
	21/06/2020	1 : 50

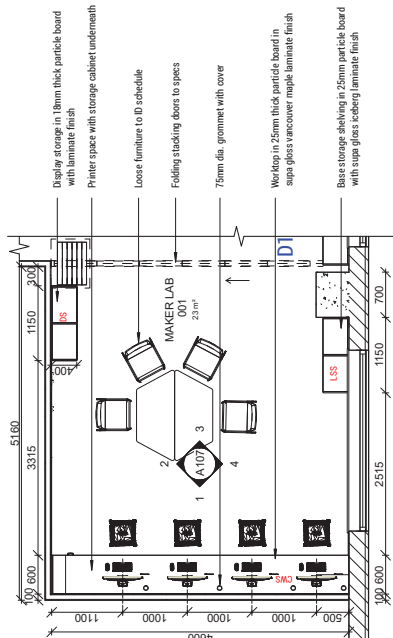
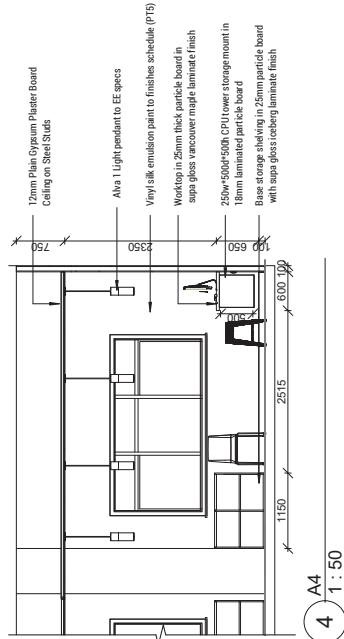
MAKER LAB ELEVATIONS

SHEET NUMBER

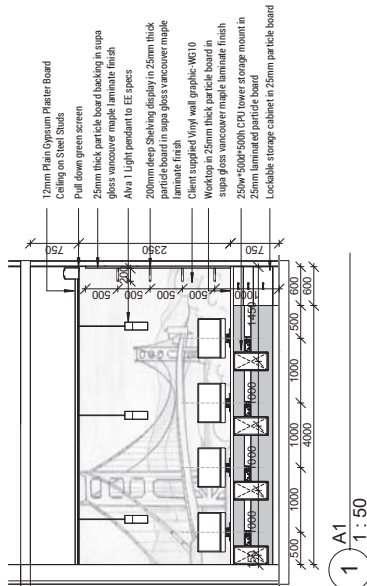
A107

ASSIFFICATION:

Sensitive but unclassified



MAKER LAB FLOOR PLAN



A1



CLIENT

SYMBION

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

100% Submittal-Final construction documents

Issue	26 / 06 / 2020
-------	----------------

Scale @ 1 : 50

MAIN PROGRAM SPACE ELEVATIONS

A108

Sensitive but unclassified



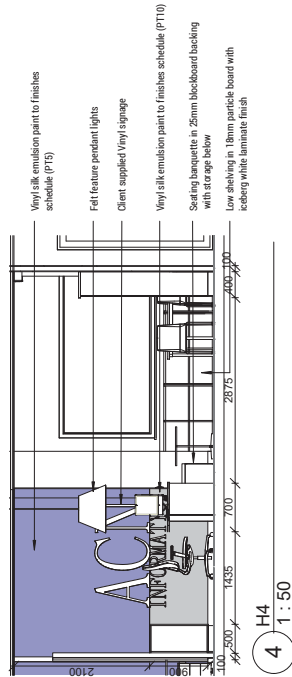
- FILEPATH
\\APPSEVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) — US Embassy\PROJECT DOCUMENT\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Stage 4-TD\ACN PLNS\ACN
PLN.M

RESEARCH DESIGN

1. Do not scale off this drawing.
2. All levels and dimensions to be checked on site before any building work commences.
3. Any discrepancies to be reported to the office of the architect.
4. All work to be strictly in accordance with the standard specifications.
5. This drawing is to be read in conjunction with specifications and all other relevant drawings.
6. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. pv denotes permanent air vents over doors and windows as shown in the drawing.
10. A single layer of 3- ϕ 30 minimum reinforcement to be provided between masonry and R.C. work.
11. Drain pipes passing under external driveway and building to be encased in 150mm thick concrete surround.
12. All reinforced concrete work to structural Mohr.
13. All sanitary works to the entire satisfaction of Mohr.
14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

[illegible]

Sensitive but unclassified





- FILE PATH
\\APPSERVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENTS\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Sstage 4-TD\ACN PLNS\ACN
PLN.rvt

CLIENT

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

Stage	100% Submittal-Final construction documents		
Revision:	Drawn	LM	
Issue	21/06/2020	Checked	GM
Scale @	1 : 50	Approved	OO
SHEET TITLE			
WORK ROOM ELEVATIONS			
SHEET NUMBER		A110	
CLASSIFICATION			
Sensitive but unclassified			



STAFF OFFICE ELEVATIONS
SHEET NUMBER A111
CLASSIFICATION: Sensitive but unclassified



- FILEPATH
\\APPSEVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) – US Embassy\PROJECT DOCUMENT\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Stage 4-TD\ACN PLNS\ACN
PLN.rvt

CLIENT

SYMBION

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

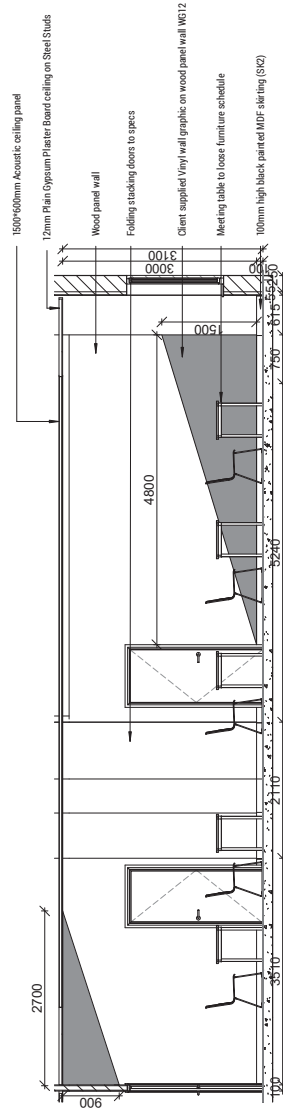
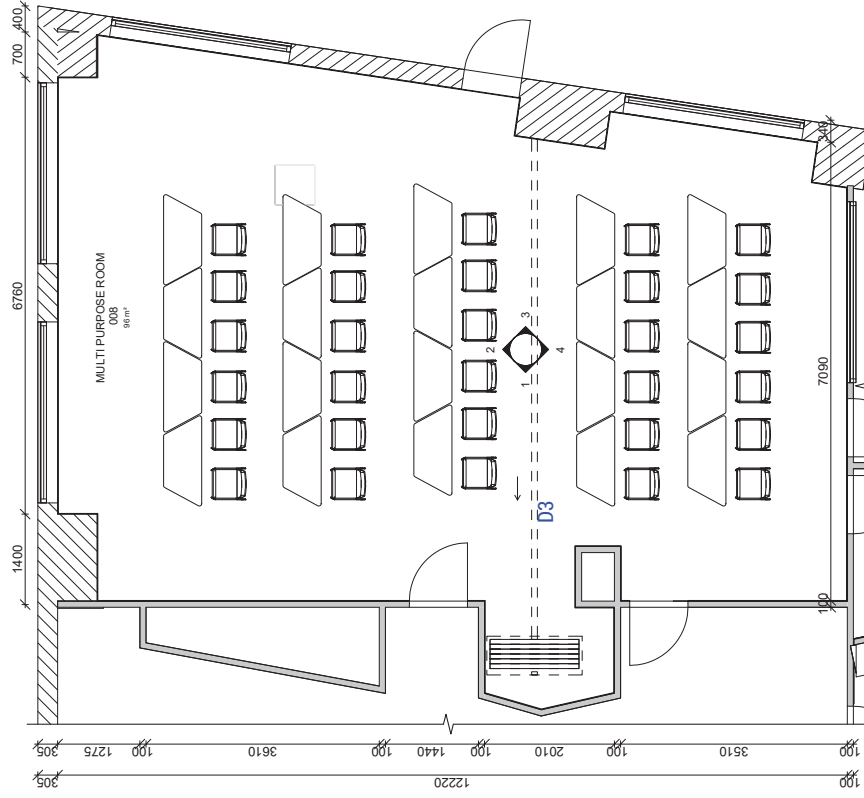
Stage
100% Submittal-Final construction documents

FLEXIBLE LOUNGE ELEVATIONS

NUMBER 1112

CLASSIFICATION:

Sensitive but unclassified



- NOTES**
1. This drawing is a copyright of Symbion Kenya Ltd.
 2. Do not scale off this drawing.
 3. All levels and dimensions to be checked on site before any building work commences.
 4. Any discrepancies to be reported to the office of the consultant.
 5. All work to be strictly in accordance with the specifications and all other relevant drawings.
 6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
 7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
 8. Depth of foundation to be determined on site.
 9. π denotes permanent air vents over doors and windows as shown in the drawing.
 10. A single layer of 3-ply bituminous felt to be provided between masonry and R.C work.
 11. Drain pipes passing under basement, driveway and building to be encased in 150mm thick concrete surround.
 12. All reinforced concrete work to structural engineer's drawings.
 13. All masonry works to the entire satisfaction of the Engineer.
 14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILE PATH
\\APPSERVER\projects\SK-19-2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENT\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\stage 4-TD\ACN PLNS\ACN
PIN.rvt

[illegible]

CLIENT

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

Stage

100% Submittal-Final construction documents

Revision:		Drawn	LM
Issue	21/06/2020	Checked	GM
Scale @	1 : 50	Approved	OO
SHEET TITLE			

MULTIPURPOSE ROOM ELEVATIONS

SHEET NUMBER

CLASSIFICATION:

Sensitive but unclassified

2. Do not scale off this drawing.
3. All levels and dimensions to be checked on site before any building work commences.
4. Any discrepancies to be reported to the office of the Engineer.
5. All work to be strictly in accordance with the standard specifications to be read in conjunction with specifications and all other relevant drawings.
6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. pv denotes permanent air vents over doors and windows as shown in the drawing
10. A single layer of 3-ply bitumastic felt to be provided between masonry and R.C. work.
11. Drain pipes passing under slabs, driveway and building to be encased in 150mm thick concrete surround.
12. An reinforced concrete work to structural standards.
13. All sanitary works to the entire satisfaction of Mohd.
14. All roads, storm water drainage and foul sewerage to civil Engineer's drawings.

[illegible]

SYMBION

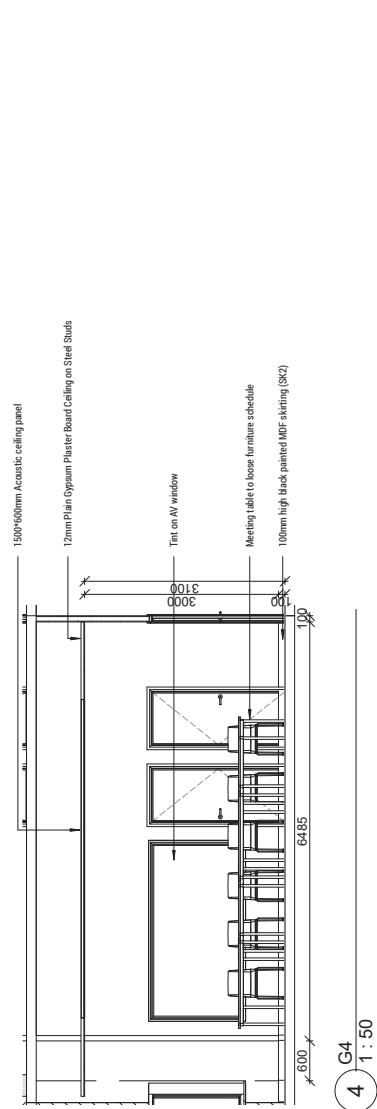
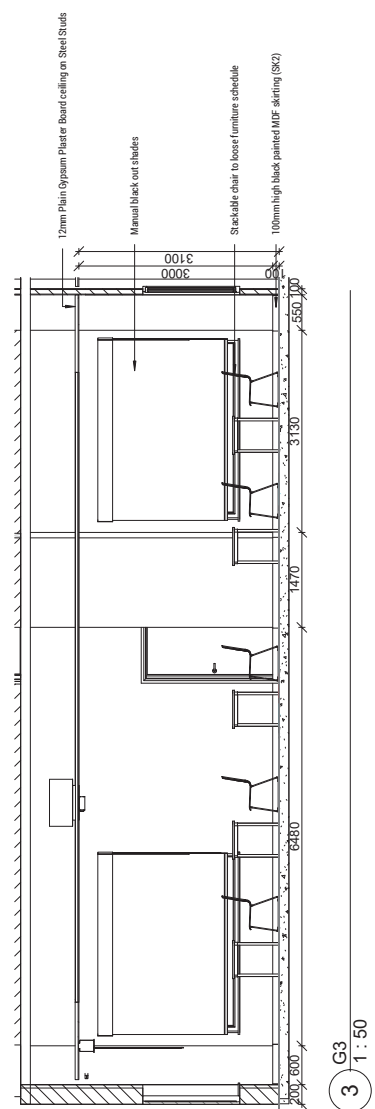
Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733901386, +2547228080 00
Email: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

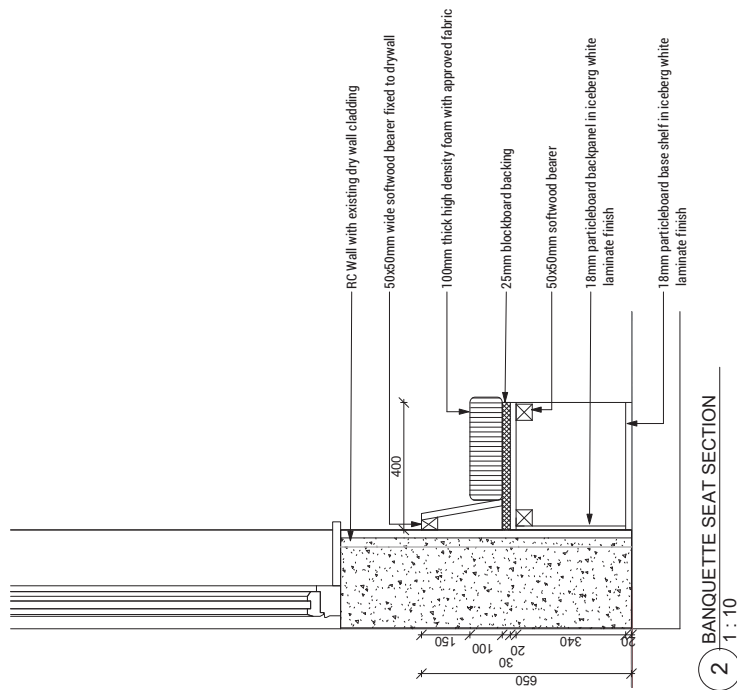
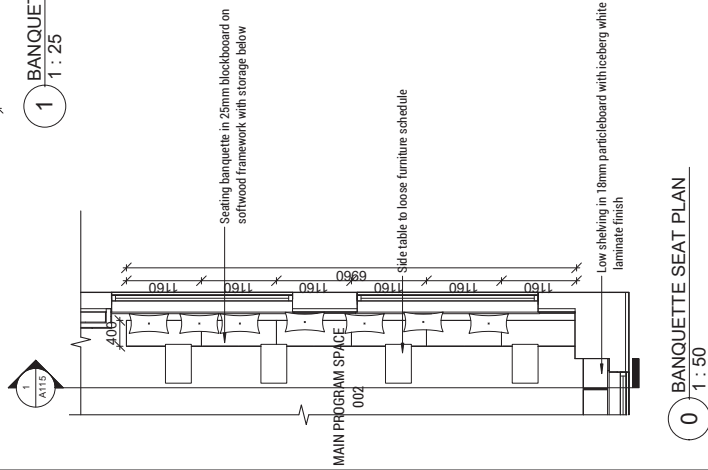
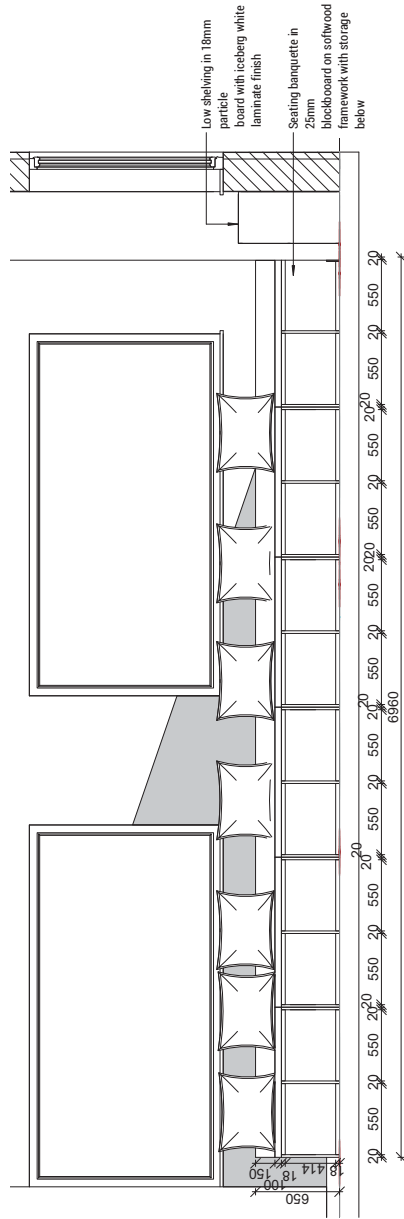
Stage	100% Submittal-Final construction documents		
Revision:		Drawn	LM
Issue	21/06/2020	Checked	GM
Scale @	1 : 50	Approved	OO
SHEET TITLE			

MULTIPURPOSE ROOM ELEVATIONS

A114

CLASSIFICATION:
Sensitive but unclassified





- NOTES**
1. This drawing is a copyright of Symbion Kenya

1. Do not scale off this drawing.
2. All levels and dimensions to be checked on site before any building work commences.
3. All discrepancies to be reported to the office immediately.
4. The drawing is to be used for the following:
 - a. All work to be strictly in accordance with the standard specifications.
 - b. This drawing is to be read in conjunction with specifications and all other relevant drawings.
 - c. Walls below 200mm thick to be reinforced with hoop iron of every alternate course.
 - d. Depth of foundation to be determined on site.
 - e. *pv* denotes permanent air vents over doors and windows as shown in the drawing.
 - f. A single layer of 3-ply blumwood felt to be provided between masonry and R.C. work.
 - g. Drain pipes passing under tarmac, driveway and building to be encased in 150mm thick concrete surround.
 - h. All reinforced concrete work to structural standards.
5. All sanitary works to the entire satisfaction of MoH.
6. All roads, storm water drainage and foul sewerage to civil Engineer's drawings.

ILEPATH
HAPPSEVER/Projects/SK-19- 2504 Removal of the American Centre
airabi (ACN) – US Embassy/PROJECT DOCUMENT'S PROJECT
TEAM/DESIGN LEAD AND ARCHITECT'S/Stage 4-TD/ACN PLNS/ACN
IN.rvt

[illegible]

CLIENT

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

age

100% Submittal-Final construction documents

Revision:		LM	Drawn
Issue	21/06/2020	GM	Checked
Scale @	As indicated	Q0	Approved

HEET NUMBER

A115

ASSIFFICATION:

nsitive but unclassified



1. This drawing is a copyright of Symbol Kenya Ltd.
2. Do not scale off this drawing.
3. All levels and dimensions to be checked on site before any building work commences.
4. Any discrepancies to be reported to the office of the consultant.
5. Work to be strictly in accordance with the standard specifications of the relevant authorities.
6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. *pv* denotes permanent air vents over doors and windows as shown in the drawing.
10. *100mm* denotes 100mm of 3:1 flytuff beneath the foundations as shown in the drawing.
11. Drain pipes passing under main drainage and building to be encased in 150mm thick concrete surround.
12. All reinforced concrete work to structural engineer's drawings.
13. All sanitary works to the entire satisfaction of M.O.H.
14. All storm water drainage and foul sewerage to Engineer's drawings.

FILE PATH
\\APPSERVER\projects\SK-19-2504\Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENTS\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Sstage 4-TD\ACN PLN\SWACN
PLN.rvt

Revisions

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.smbion-int.com

18 FEB

Stane

Revision:

SHEET NUMBER

CLASSIFICATION:

CLASSIFICATION:
Sensitive but unclassified

NOTES

2. Drawing is a copy/draft of a previous study.
3. Not to scale of this drawing.
4. All levels and dimensions to be checked on site before any building work commences.
5. Any discrepancies to be reported to the office of the consultant.
6. All work to be strictly in accordance with the standard specifications.
7. This drawing is to be read in conjunction with the specifications and all other relevant drawings.
8. Walls/bore connected to be reinforced with 10mm diameter reinforcement.
9. Depth of foundation to be determined on site.
10. ∇ denotes permanent air vents over doors and windows as shown in the drawing.
11. A single layer of 3-ply bituminous felt to be provided between masonry and R.C. work.
12. Drain pipes passing under terrace, driveway and building to be encased in 150mm thick concrete around.
13. All reinforced concrete work to structural engineer's drawings.
14. All structural works to the entire satisfaction of the M.O.
15. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILEPATH
C:\APPS\SERVER\projects\SK-19- 2504 Renovation of the American Centre
air obi (ACN) - US Embassy PROJECT DOCUMENTS\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Stage 4-TD\ACN PLNS\ACN
LN.rvt

[illegible]

CLIENT

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +2547 33901386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

—age

100% Submittal-Final construction documents

Revision:		Drawn	LM
Issue	06/22/20	Checked	GM
Scale @	As indicated	Approved	OO

FEEDBACK

BOOKSHELF DETAILS

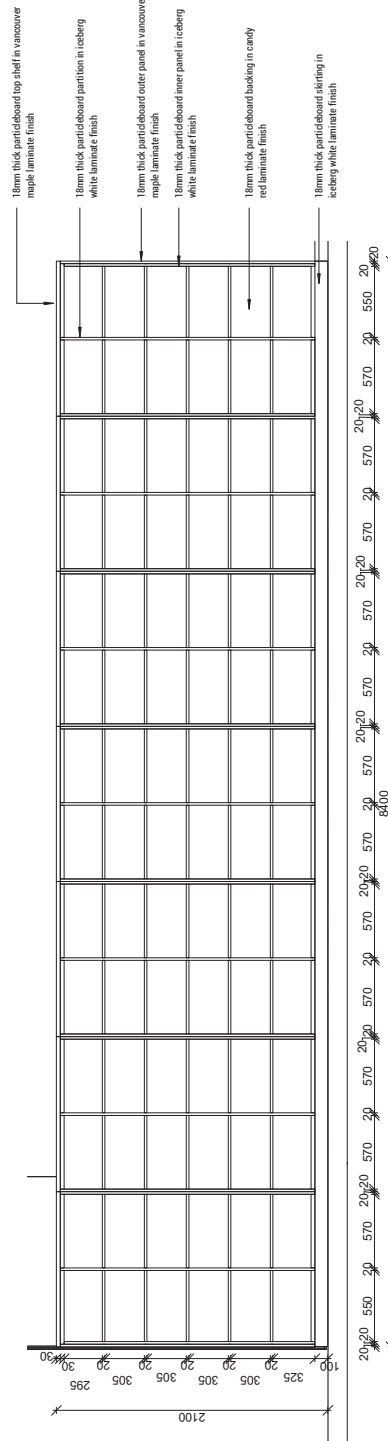
HEET NUMBER

A117

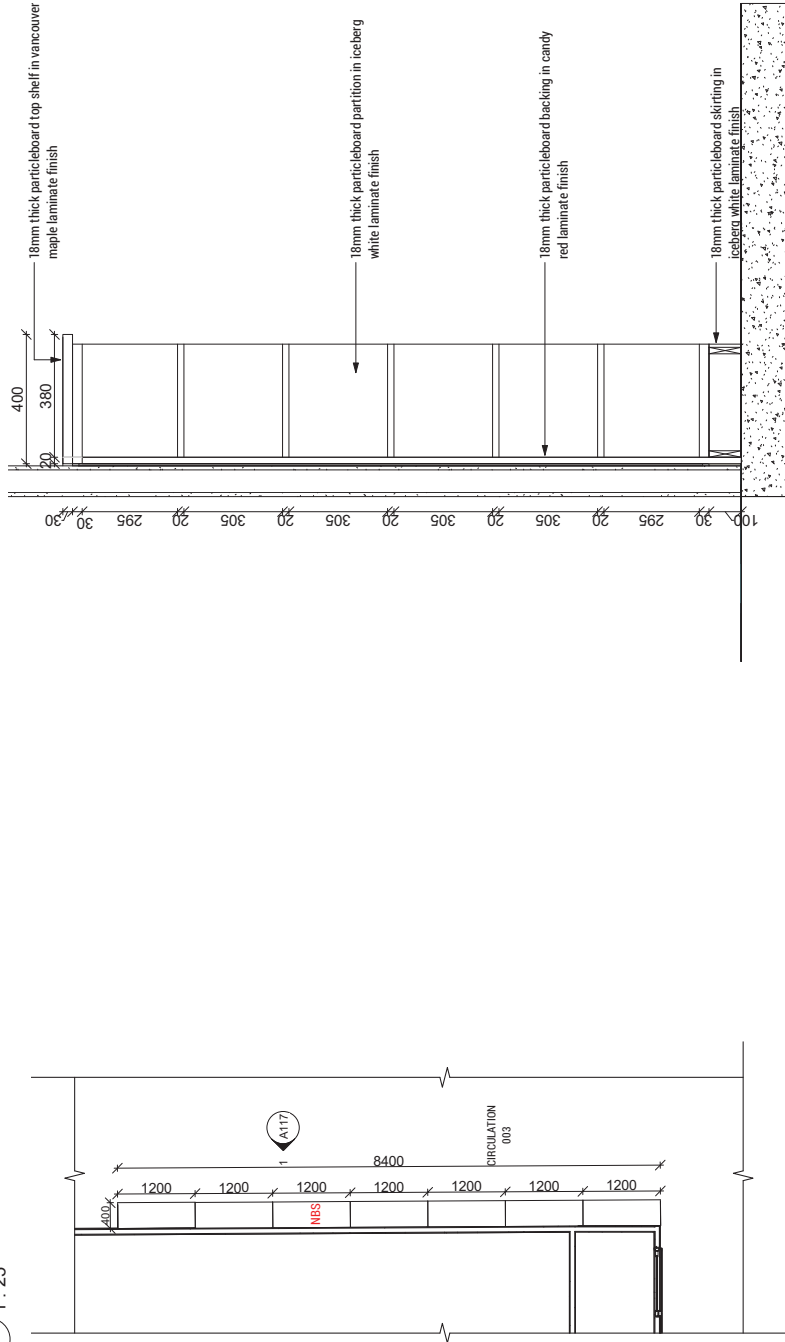
ASSIFFICATION:

nsitive but unclassified

nsitive but unclassified



BOOKSHELF ELEVATION

$$\overline{)1:25}$$


NEW BOOKSHELF PLAN

$$\frac{1}{1:50}$$



	10mm thick Black perspex sheet
	10mm thick Green perspex sheet
	10mm thick Dark red perspex sheet
	Exposed part of the screen left to paint on the wall once screen is closed
	25x25mm MS running horizontal/vertical or diagonal as shown on elevation

Exposed part of the screen left to reveal the white paint on the wall once screen is closed

NOTES

1. This drawing is a copyright of Symbion Kenya Ltd.

2. Do not scale off this drawing.

3. All levels and dimensions to be checked on site before any building work commences.

4. Any discrepancies to be reported to the office of the consultant.

5. All work to be strictly in accordance with the specifications.

6. This drawing is to be read in conjunction with specifications and other relevant drawings.

7. Walls below 200mm thick, to be reinforced with hoop iron at every alternate course.

8. Depth of foundation to be determined on site.

9. pvc denotes permanent air vents over doors and windows as shown in the drawing.

10. A single layer of 3 ply bituminous felt to be provided between masonry and R.C work.

11. Drain pipes passing under driveway and building to be encased in 150mm thick concrete surround.

12. All reinforced concrete work to structural engineer's drawings.

13. Necessary works to the entire satisfaction of MOH.

14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILE PATH
\\APPSERVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENTS\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\S\stage 4-TD\ACN PLNS\ACN
PLN.rvt

[illegible]

CLIENT

SYMBION
Office: +254-020 26 10691, 2455071, 2689804/5/9
Office: +2547339013 86, +2547228080 00
E-mail: symbionkenya@symbion-intl.com
WEBSITE: www.symbion-intl.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

Stage	100% Submittal-Final construction documents			
Revision:	Revision 01	Drawn	LM	
Issue	21/06/20	Checked	GM	
Scale @	1 : 20	Approved	OO	
SHEET TITLE				
RECEPTION HINGED SCREEN				
SHEET NUMBER		A118		
CLASSIFICATION:				
Sensitive but unclassified				

NOTES

- This drawing is a copyright of Symbion Kenya Ltd.
- Do not scale off this drawing.
- All levels and dimensions to be checked on site before any building work commences.
- Any changes to be reported to the office of the consultant.
- All work to be strictly in accordance with the standard specifications.
- This drawing is to be read in conjunction with specifications and all other relevant drawings.
- Walls below 200mm thick to be reinforced with iron at every alternate course.
- Depth of foundation to be determined on site.
- Provision for permanent vents over doors and windows to be made.
0. A single layer of 3-ply bitumastic felt to be provided between masonry and R.C work.
1. Drain pipes passing under lattice, driveway and building to be encased in 150mm thick concrete surround.
2. All reinforced concrete work to structural design.
3. All sanitary works to the entire satisfaction of the Engineer.
4. All roads, storm water, drainage and foul sewerage to conform with Engineer's drawings.

LEPATH
 APPSERVER\projects\SK-19- 2504 Renovation of the American Centre
 in Cairo (ACN) - US Embassy\PROJECT DOCUMENT\PROJECT
 TEAM\DESIGN LEAD AND ARCHITECT'S stage 4-TD\ACN PLNS\ACN

[illegible]

CLIENT

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.smbion-int.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

—

0% Submittal-Final construction documents

VISION:		Drawn	LM
Due	06/26/20	Checked	GM
File @	As indicated	Approved	OO

HEET TITLE

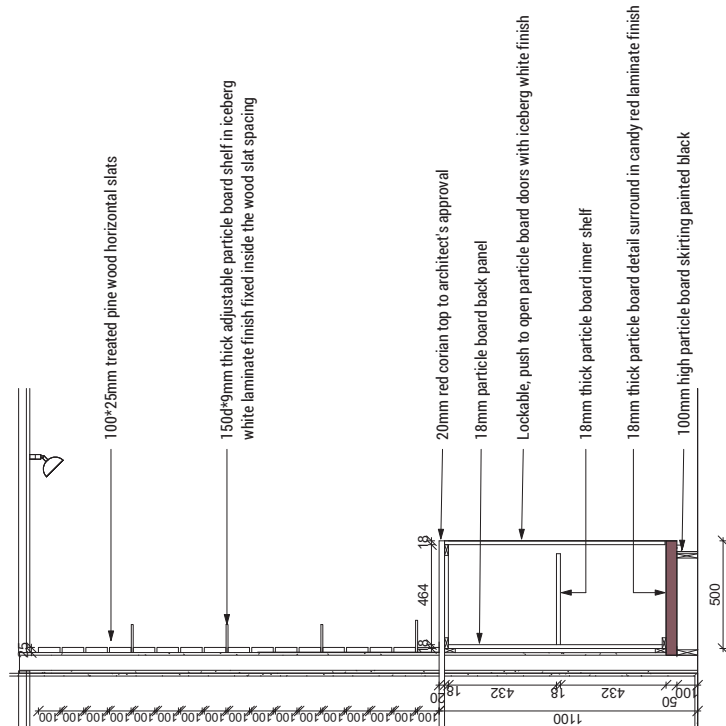
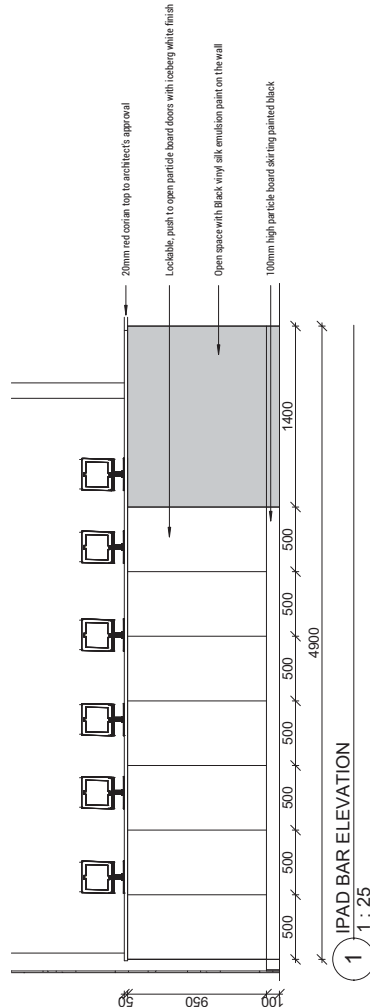
PAD BAR DETAILS

SHEET NUMBER

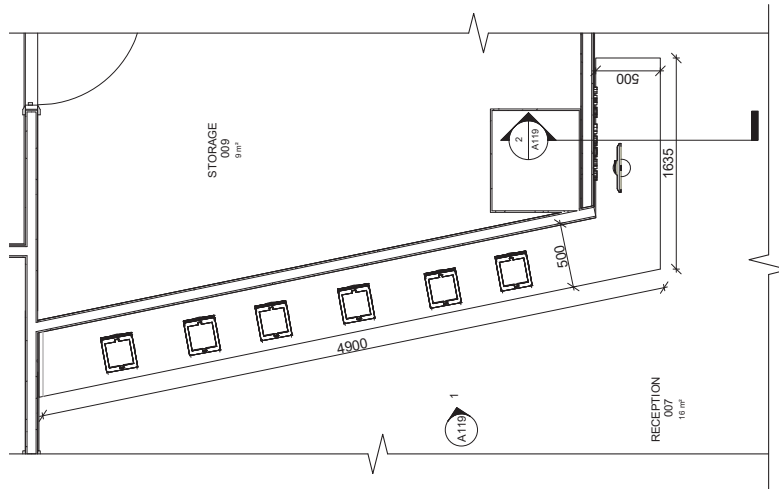
A1719

1000000

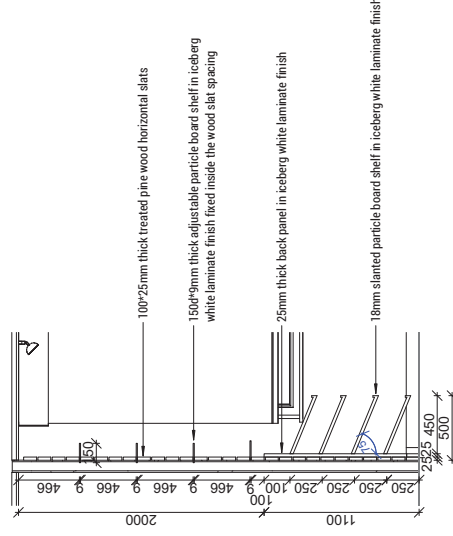
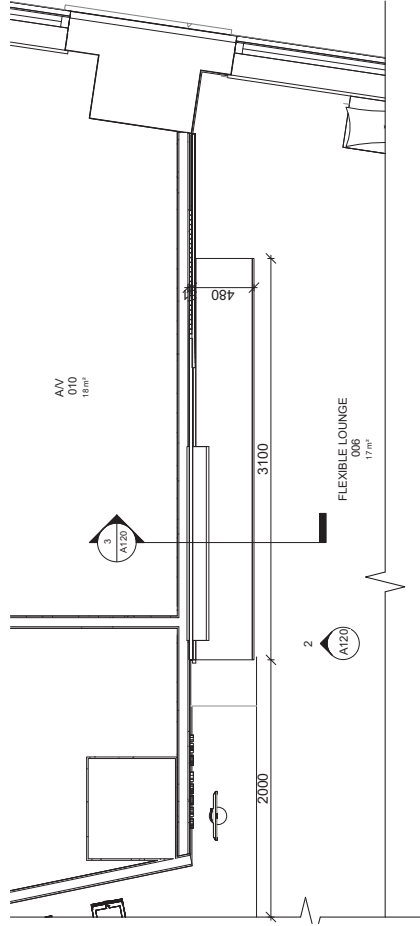
CLASSIFICATION:



2 IPAD BAR SECTION
1:15



IPAD BAR PLAN
0 1.25



- NOTES**
1. This drawing is a copyright of Symbion Kenya Ltd.
2. Do not scale off this drawing.
3. All levels and dimensions to be checked on site before any building work commences.
4. Any discrepancies to be reported to the office of the consultant.
5. All work to be strictly in accordance with the drawings.
6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. pv denotes permanent air vents over doors and windows as shown in the drawing.
10. A single layer of 3 ply bitumastone felt to be provided between masonry and R.C work.
11. Drain pipes passing under basement, driveway and buildings to be encased in 150mm thick concrete surround.
12. All reinforced concrete work to structural engineer's drawings.
13. Quantity works to the entire satisfaction of the M.O.
14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILE PATH
\\APPSERVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENT\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Sstage 4-TO ACN PLNS\ACN
PIN.rvt

[illegible]

CLIENT

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER

RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

Stage

100% Submittal-Final construction documents

Revision:		Drawn	LM
Issue	06/26/20	Checked	GM
Scale @	1 : 25	Approved	00

SHEET TYPE

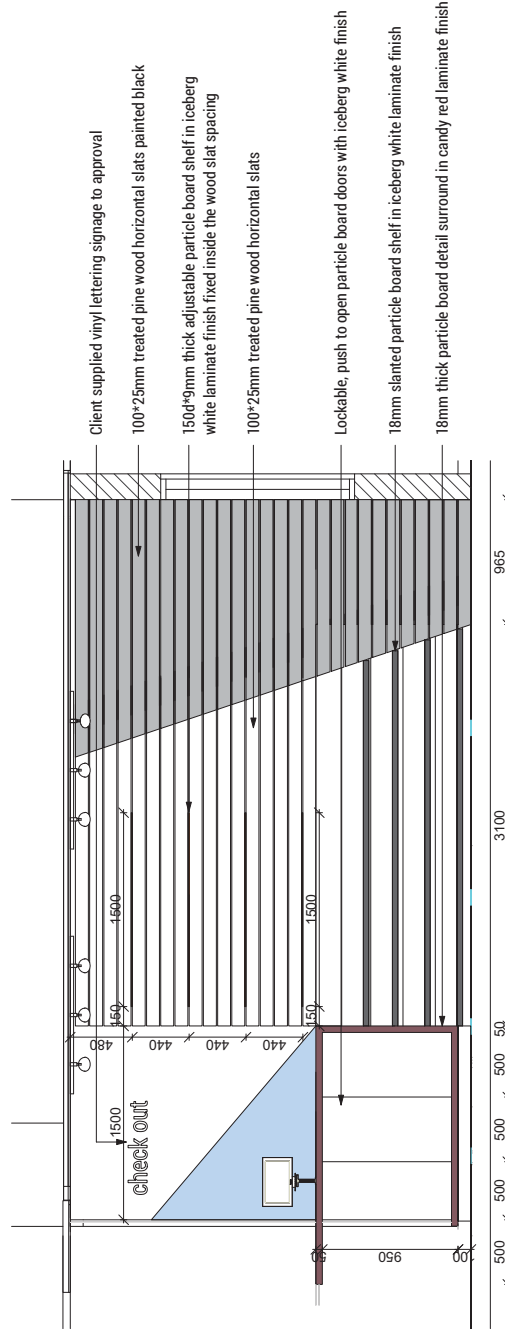
SHEET TITLE

MAGAZINE SHELVING DETAILS

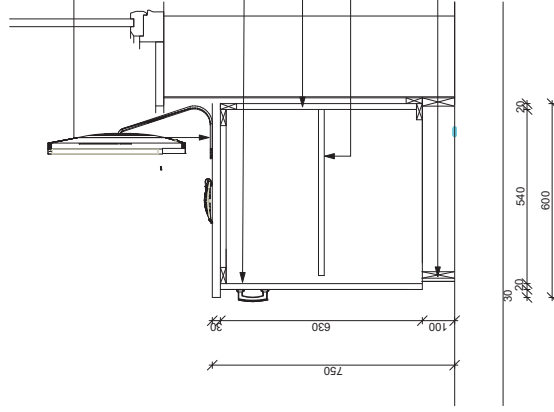
SHEET NUMBER

CLASSIFICATION:

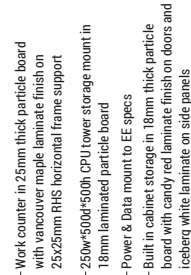
Sensitive but unclassified



2 MAGAZINE DISPLAY ELEVATION 1:25



0 COMPUTER WORKTOP PLAN 1:25



1 COMPUTER WORKTOP ELEVATION 1:25

- FILE PATH
\\APPSERVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENT\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Sstage 4-TOADN PLNS\ACN
PIN.rvt

[illegible]

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

Revision:		Drawn	LM
Issue	06/27/20	Checked	GM
Scale @	As indicated	Approved	OO

NUMBER A122

CLASSIFICATION:

Sensitive but unclassified



FILE PATH
\\APPSERVER\projects\SK-19- 2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENTS\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\S\stage 4-TD\ACN PLNS\ACN
PLN.rvt

CLIENT

SYMBION

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

100% Submittal-Final construction documents	
Revision: Revision 01	Drawn
Issue	06/27/20
Scale @	As indicated
APPROVED	
SHEET TITLE	
WALL PARTITION DETAILS	
SHEET NUMBER	
A123	
CLASSIFICATION	
Sensitive but unclassified	

NOTES

2. Drawing is a copy/draft of a dimensioned drawing.
3. Do not scale off this drawing.
4. All levels and dimensions to be checked on site before any building work commences.
5. Any discrepancies to be reported to the office of the consultant.
6. All work to be strictly in accordance with the standard specifications.
7. This drawing is to be read in conjunction with the specifications and all other relevant drawings.
8. Walls below ground level to be reinforced with 10mm reinforcement.
9. Depth of foundation to be determined on site.
10. ∇ denotes permanent air vents over doors and windows as shown in the drawing.
11. A single layer of 3-ply bituminous felt to be provided between masonry and R.C. work.
12. Drain pipes passing under terrace, driveway and building to be encased in 150mm thick concrete around.
13. All reinforced concrete work to structural engineer's drawings.
14. Structural engineer's works to the entire satisfaction of the M.O.H.
15. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILEPATH
C:\APPS\SERVER\projects\SK-19- 2504 Renovation of the American Centre
in Cairo\abi (ACN) - US Embassy\PROJECT DOCUMENT\SP\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Stage-4\TD\ACN PLN\SWACN
LN.rvt

[illegible]

CLIENT

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)
SK-19-2504

age

100% Submittal-Final construction documents

Revision:		Drawn	LM
Issue	07/03/20	Checked	GM
Scale @	As indicated	Approved	OO

FEEDBACK

MULTIPURPOSE ROOM DOOR SCHEDULE

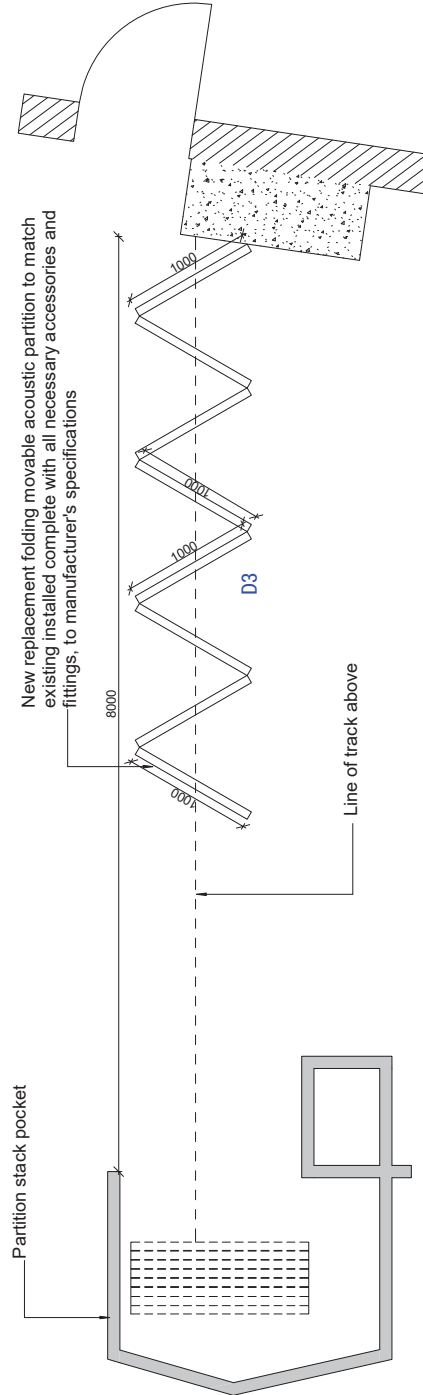
HEET NUMBER

A126

ASSIFFICATION:

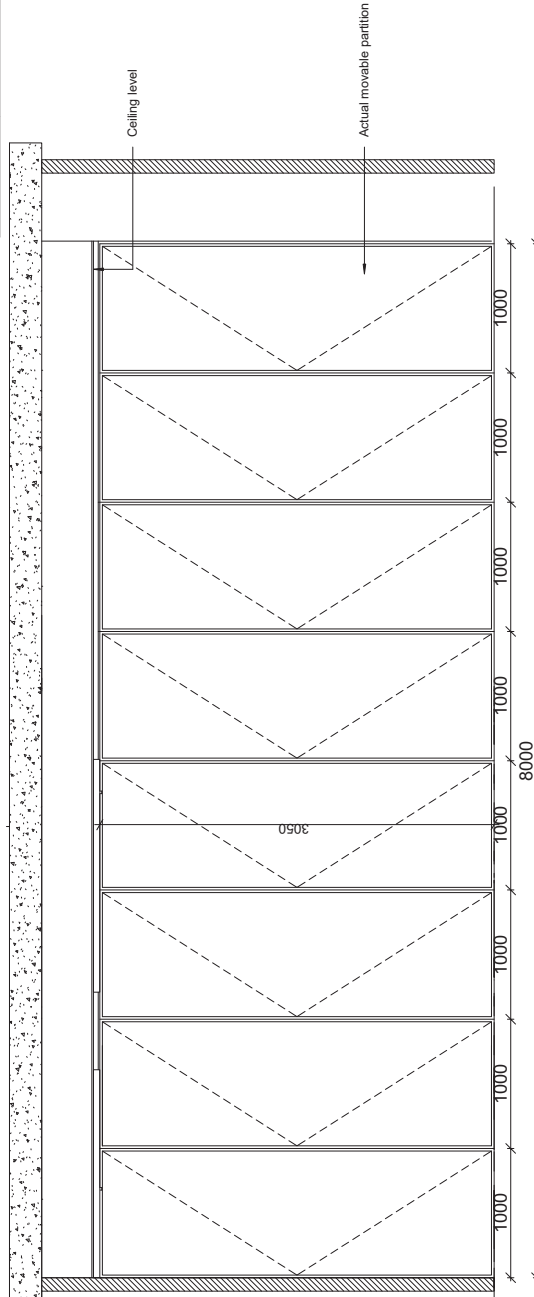
nsitive but unclassified

nsitive but unclassified



FOLDABLE DOOR

TAG	D3
DESCRIPTION	Folding acoustic partition to manufacturer specs
FINISH	Stainless steel, track, channels, bracket
DIMENSIONS	800W*3050H
IRON MONGERY	To supplier specifications & architect approval



MULTIPURPOSE ROOM FOLDING DOOR ELEVATION

1:25

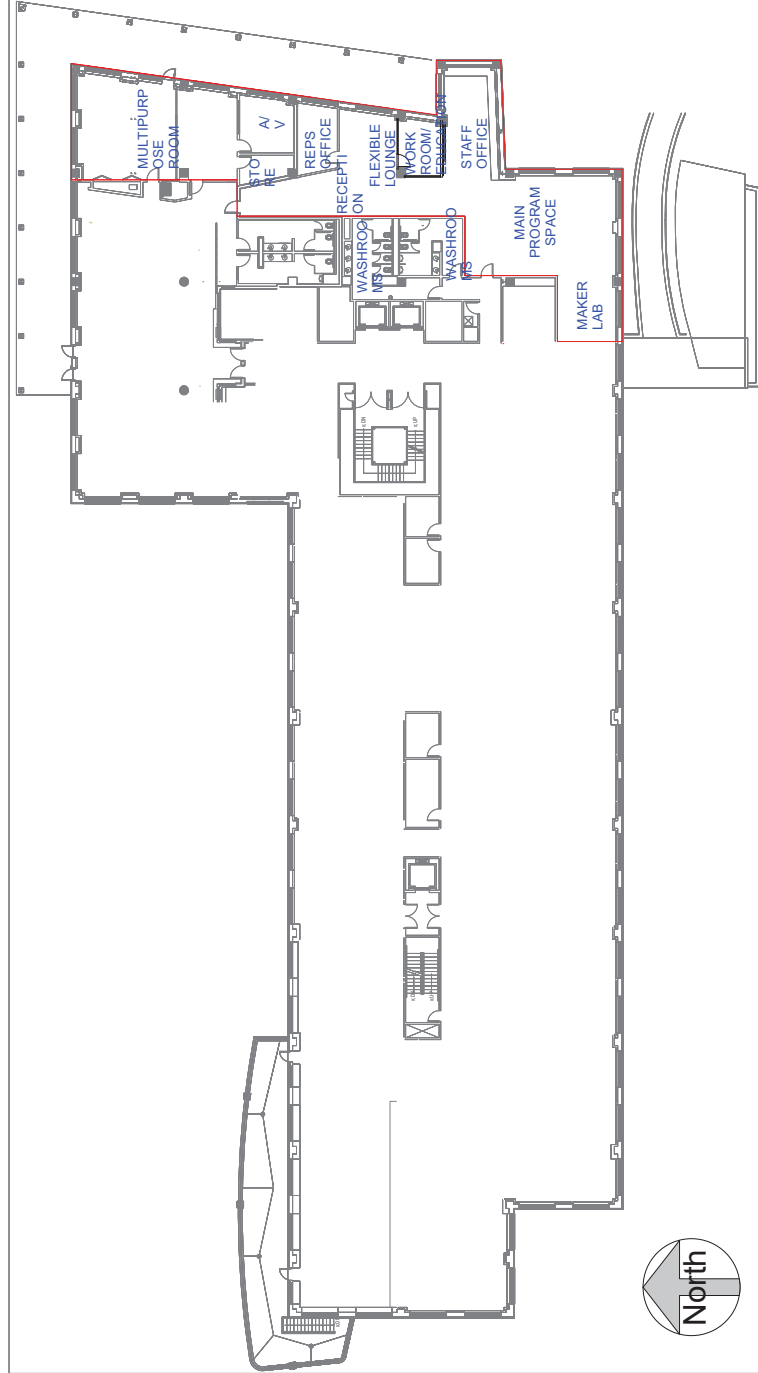


- FILE PATH
\\APPSERVER\projects\SK-19-2504 Renovation of the American Centre
Nairobi (ACN) - US Embassy\PROJECT DOCUMENT\PROJECT
TEAM\DESIGN LEAD AND ARCHITECT\Sistage-4-TDU\ACN PLIN\SWCN
PLIN.rvt

CLIENT

PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN CENTRE NAIROBI (ACN) SK-19-2504

Stage	100% Submittal-Final construction documents		
Revision	Drawn	LM	
Revision 01	Checked	GM	
07/03/20	1 : 20	Approved	00
SHEET TITLE			
FOLDING PARTITION WALL DETAIL			
SHEET NUMBER			
A127			
CLASSIFICATION			
Sensitive but unclassified			



- NOTES**
1. This drawing is a copyright of Syntion Kenya Ltd.
 2. Not scale off this drawing
 3. All works and dimensions to be checked on site
 4. All works are drawn to be commenced, before any building work commences.
 4. Any discrepancies to be reported to the office of the consultant.
 5. This drawing is in accordance with the standard specifications.
 6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
 7. This drawing is to be read in conjunction with specifications and all other relevant drawings.
 8. Depth of foundation to be determined on site.
 9. p.v. provides permanent air vents over doors and windows as shown in the drawing.
 10. The drawing is to be read in conjunction with specifications and all other relevant drawings.
 11. Drain pipes passing under tarmac, driveway and building to be engaged in 150mm thick concrete.
 12. All reinforced concrete work to structural engineer's drawings.
 13. All sanitary works to the entire satisfaction of the engineer.
 14. All drainage, storm water, drainage and foul water to be to Civil Engineer's drawings.

FILE PATH
C:\Users\presentation\Desktop\ACN\ACN PLN JUNE 2021 (Recovery).rt

[illegible]

CLIENT

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E-mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &
NUMBER
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Page	100% Submittal-Final construction documents		
Revision: 03	Drawn By: LM	Checked By: GM	Approved By: OO
Issue Date: 2/1/06/2021			
Scale @ A2:	1 : 250		
SHEET TITLE			
SITE PLAN			
SHEET NUMBER		A001	
CLASSIFICATION:			
permissive but unclassified (SBU)			

FILL	DESCRIPTION	CODE	PRODUCT CODE	AREA	IMAGE	MANUFACTURER	LOCATION
	Office carpet tile with eco-bitumen backing	CT1	Amos B747 9505	227 m ²		Tarkett	Main program space, Staff office, Circulation information, Multipurpose room
	Office carpet tile with eco-bitumen backing	CT2	Grain B867 8331	65 m ²		Tarkett	Main program space, Work room/ Education, Flexible lounge
	Wood look vinyl floor covering with backing	WDV	(ISO26986)	75 m ²		Tarkett	Reception, Marker lab



1

1. This drawing is a copyright of Symblon Kenya Ltd.
2. Do not scale off this drawing.
3. Do not make any alterations or be checked on site before any building work commences.
4. Any discrepancies to be reported to the office.
5. All work to be strictly in accordance with the standard specifications.
6. This drawing is to be read in conjunction with the specification.
7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. All doors and windows to be in the drawing.
10. A single layer of 5-ply masonry and R.C. work to be provided between masonry and R.C. work.
11. All concrete to be cast in 150mm thick concrete and surrounded by 150mm thick concrete.
12. All concrete work to be structural.
13. All sanitary works to the entire satisfaction of the engineer's drawings.
14. Mohi.
15. All works to comply with drainage and foul sewerage to civil engineer's drawings.

FILE PATH
C:\Users\presentation\Desktop\ACN\ACN\PLN JUNE 2021\Recovery\M

[illegible]

UNITED STATES
GOVERNMENT, U.S. EMBASSY,
NAIROBI

Office: +254-0202610691,2455071,2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

NUMBER
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

100% Submittal-Final construction documents

Drawn By: LM

GM

SHEN

SHEET NUMBER

CLASSIFICATION:

Sensitive but unclassified (SBU)

FEE CODE	DESCRIPTION
IBC	Ipod bar counter with storage
SCK	Self check out kiosk
WSD	Wood slat shelving
BS	Brochure shelving
SOW	Staff office with workstation
SBS	Seating banquette with storage below
CWS	Computer workstation with storage
CID	Information desk
LSS	Low storage shelving
DS	Display shelving
NBS	Bookshelf
SOC	Existing Overhead cabinet storage

FILE PATH

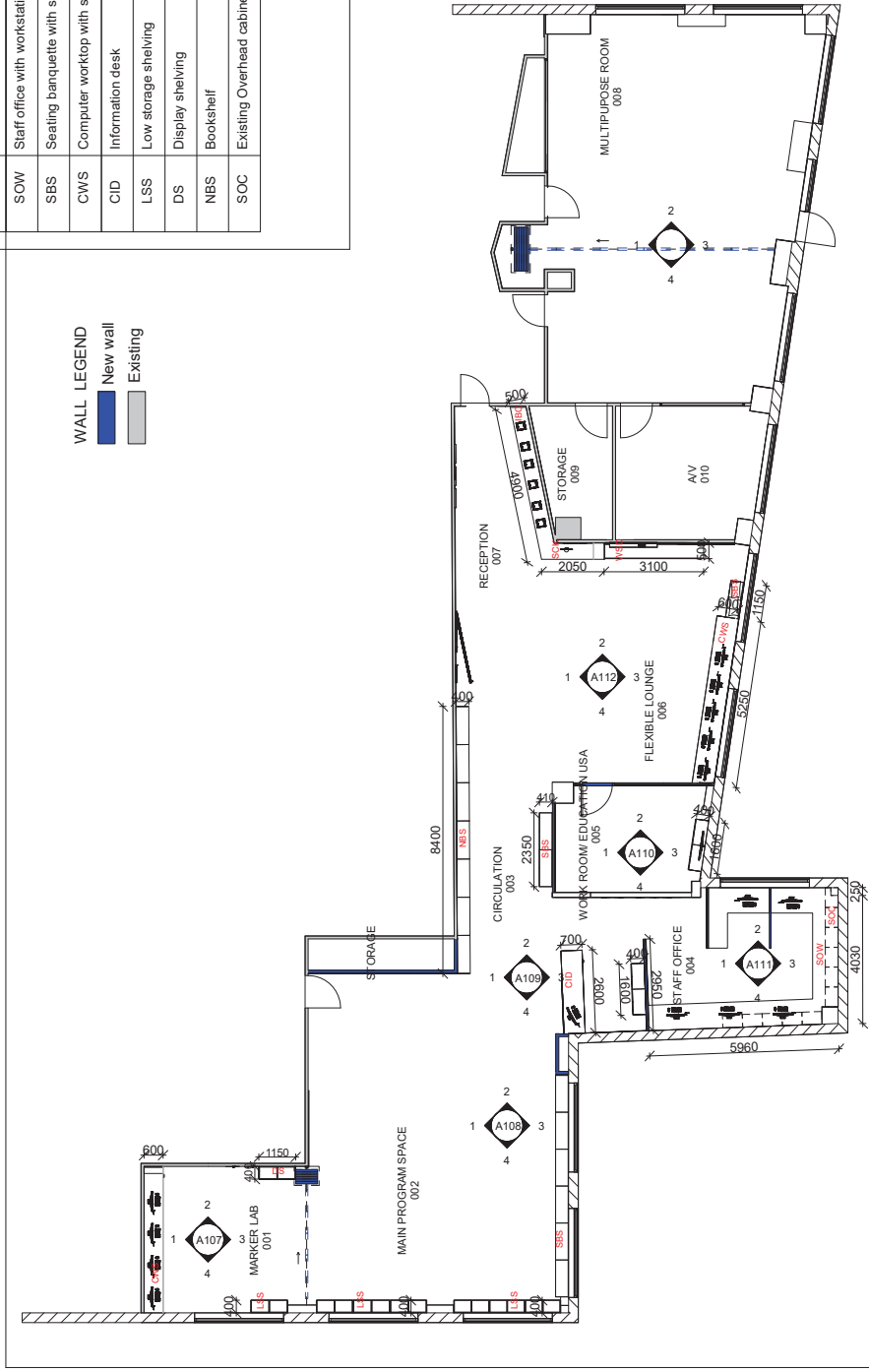
CLIENT UNITED STATES
GOVERNMENT, U.S EMBASSY,
NAIROBI

SYMBION
Office: +254-020 26 10691, 24550 71, 2689045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER	RENOVATION OF THE AMERICAN CENTRE NAIROBI (ACN) SK-19-2504
--------------------------	--

Stage	Revision	Drawn By	LM
100% Submittal-Final construction documents	02		
	Issue Date:	24/03/21	GM
	Scale @ A2:	As indicated	OO
SHEET TITLE			

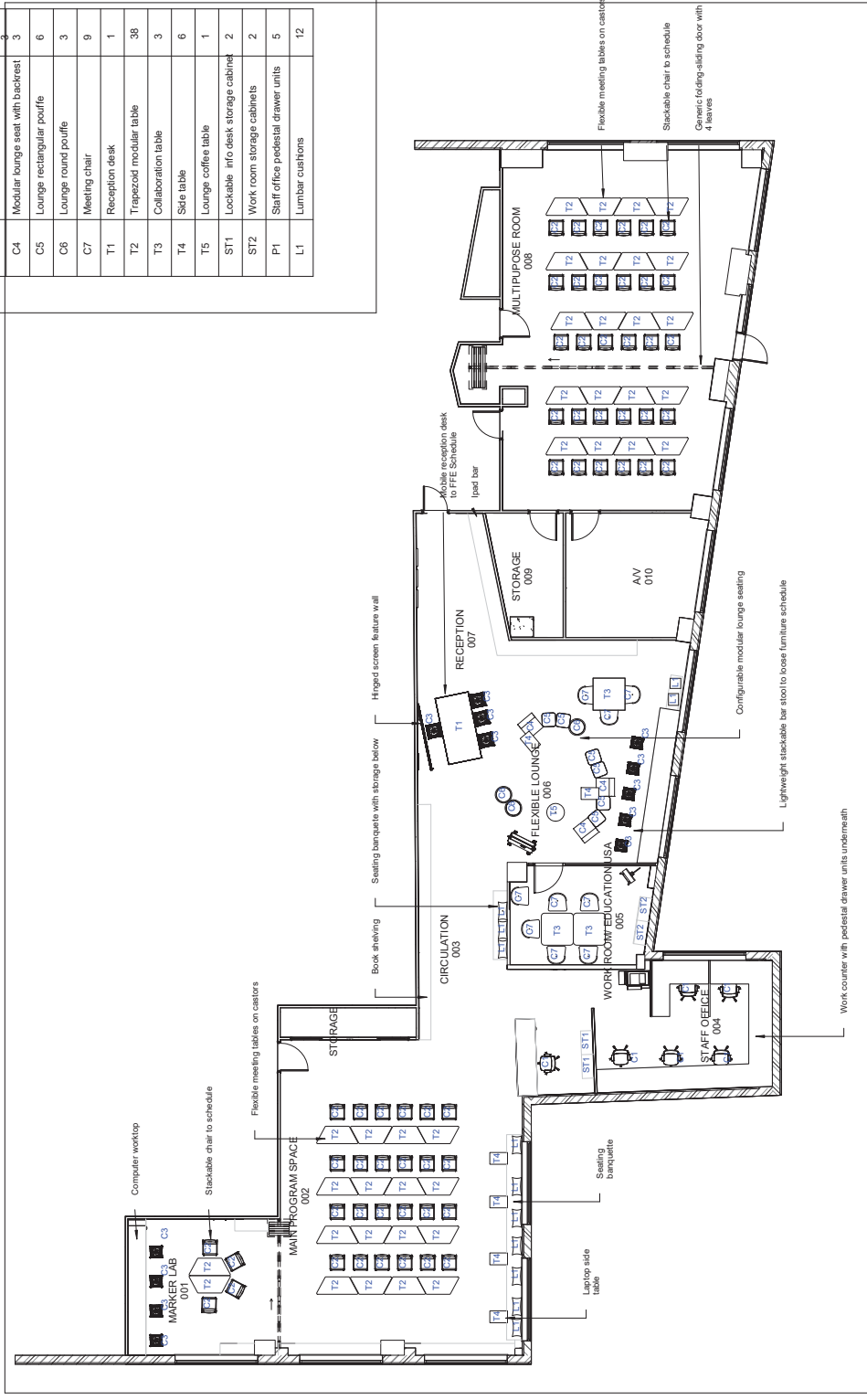
NEW WALLS/CASEWORK LAYOUT
<u>SHEET NUMBER</u>
A103
<u>CLASSIFICATION:</u>
Sensitive but unclassified (SBU)



1 NEW WALLS/CASEWORK LAYOUT
1:100

LOOSE FURNITURE LEGEND

PFE CODE	DESCRIPTION	QTY
C1	Office task chair	6
C2	Stackable meeting chair	58
C3	Stackable bar stool	1
C4	Modular lounge seat with backrest	3
C5	Lounge rectangular pouffe	6
C6	Lounge round pouffe	3
C7	Meeting chair	9
T1	Reception desk	1
T2	Trapezoid modular table	38
T3	Collaboration table	3
T4	Side table	6
T5	Lounge coffee table	1
ST1	Lockable info desk storage cabinet	2
ST2	Work room storage cabinets	2
P1	Self office pedestal drawer units	5
L1	Lumber cushions	12



NOTES

1. This drawing is a copyright of Symbion Kenya Ltd.
2. Do not scale this drawing.
3. Check all dimensions and dimensions checked on site before any building work commences.
4. Any discrepancies to be reported to the office immediately.
5. All work to be strictly in accordance with the standard specifications.
6. This drawing is to be read in conjunction with the specification.
7. Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
8. Depth of foundation to be determined on site.
9. All doors and windows to be made of aluminium doors and windows as shown in the drawing.
10. A single layer of 5-ply bitumastic felt to be applied to all external walls.
11. All plastering to be masonry and R.C. work to be finished with a smooth finish.
12. All building to be enclosed in 150mm thick concrete surround.
13. All sanitary works to be structural engineer's drawings.
14. All sanitary works to the entire satisfaction of Mohr.
15. All storm water drainage and foul sewerage to be Engineer's drawings.

FILE PATH
C:\Users\presentation\Desktop\ACN\ACN PLN JUNE 2021\Recovery).ml

[illegible]

CLIENT

UNITED STATES
GOVERNMENT, U.S EMBASSY,
NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME & NUMBER	RENOVATION OF THE AMERICAN CENTRE NAIROBI (ACN) SK-19-2504
--------------------------	--

Stacks

100% Submittal-Final construction documents

Revision: 03

Drawn by.	Checked by.	LM

Issue Date: 21/06/2021
Checked By: GM

Scale @ A2:

LOOSE FURNITURE LAYOUT

SHEET NUMBER

A104

CLASSIFICATION:

Sensitive but unclassified (SBU)

	LIGHTING
	FIRE SPRINKLERS
	AIR CONDITIONING

 $\frac{B}{N}$

- FILE PATH**
C:\Users\presentation\Desktop\ACN\ACN PIN.JUNE 2021\Recovery\ M

[illegible]

CLIENT

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

**PROJECT NAME &
NUMBER**
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stacks

100% Submittal-Final construction documents

□ 0.000 0.000 0.000

Author

Checked By:	Checker:
-------------	----------

Checker	
---------	--

Approved By: Approver

--	--

P COMPONENTS

1.

NOTES

- This drawing is a copyright of Symbion Kenya Ltd.
- Do not scale off this drawing.
- All levels and dimensions to be checked on site before any building work commences.
- All dimensions to be reported to the office of the consultant.
- All work to be strictly in accordance with the standard specifications.
- This drawing is to be read in conjunction with the specification and schedule of materials.
- Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
- Depth of foundation to be determined on site.
- P.V. denotes permanent air vents over doors and windows.
- A single layer of 3-ply bituminous felt to be provided between masonry and R.C. work.
- Drain pipes passing under lamasac, driveway and building to be encased in 150mm thick concrete.
- All reinforced concrete work to structural engineer's drawings.
- All sanitary works to the entire satisfaction of M.O.H.
- Means storm water drainage and foul sewerage to Civil Engineer's drawings.

FILE PATH C:\Users\presentation\Desktop\ACN\ACN FLN JUNE 2022 (Recovery).rvt

02/09/2022 11:14:40

Revisions

No.	Date	Description
01	25/09/2020	a. Addition of CPU lower mount storage units.
		b. Addition of 75mm dia. grommet with cover.
		c. Removal of lockable storage cabinet & display shelf.
02	02/10/2020	Revised to show the lockable storage cabinet & the display shelf above it.

CLIENT

UNITED STATES
GOVERNMENT, U.S EMBASSY,
NAIROBI

SYMBION

Office: +254-020-2610061; 2455071, 2688045/9
Email: symbionkenya@symbion-ai.com
Website: www.symbion-ai.com

PROJECT NAME &

RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage

100% Submittal-Final construction documents

Revision	Drawn By:	LM
02	24/03/21	GM
Date:	1: 50	OO
Scale @	Approved By:	
A2		

SHEET TITLE

MAKER LAB ELEVATIONS

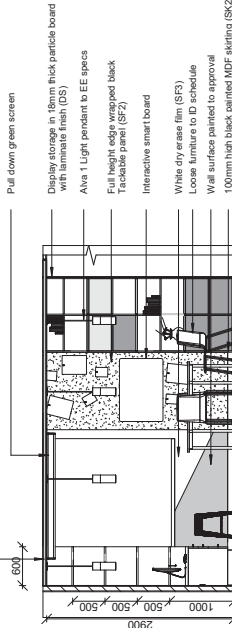
SHEET NUMBER

A107

CLASSIFICATION

Sensitive but unclassified (SBU)

Equipment shelving display in 18mm thick particle board



2 A2 1: 50

Equipment shelving display in 18mm thick particle board

Display storage in 18mm thick particle board with laminate finish

Desktop Printer space with storage drawer cabinets underneath

Loose furniture to ID schedule

Folding stacking doors to specs

75mm dia. grommet with cover

Worktop in 25mm thick particle board in supra glass vancouver maple laminate finish

Base storage shelving in 25mm particle board with supra glass iceberg laminate finish

Base storage shelving in 25mm particle board with supra glass iceberg laminate finish

Base storage shelving in 25mm particle board with supra glass iceberg laminate finish

Base storage shelving in 25mm particle board with supra glass iceberg laminate finish

0 MAKER LAB FLOOR PLAN

1: 50

Alva 1 Light pendant to EE specs

Folding stacking doors to specs

Loose furniture to ID schedule

Base storage shelving in 25mm particle board with supra glass iceberg laminate finish

3 A3 1: 50

12mm Plain Gypsum Plaster Board
Ceiling on Steel Studs

Alva 1 Light pendant to EE specs

Vinyl silk emulsion paint to finishes schedule (FT5)

Worktop in 25mm thick particle board in supra glass vancouver maple laminate finish

250W*500H*500H CPU lower storage mount in 18mm laminated particle board

Base storage shelving in 25mm particle board with supra glass iceberg laminate finish

4 A4 1: 50

Alva 1 Light pendant to EE specs

200mm deep shelving display in 25mm thick particle board in supra glass vancouver maple laminate finish

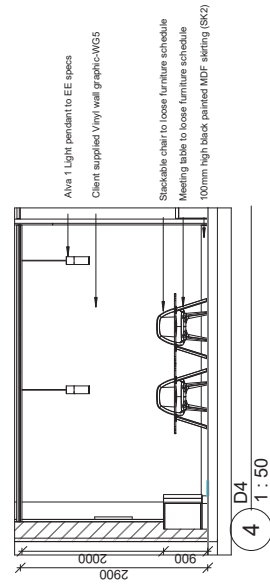
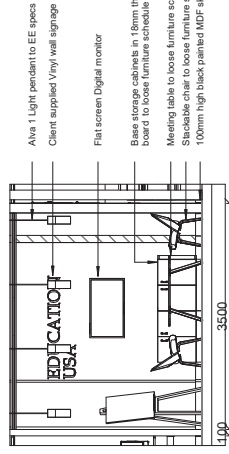
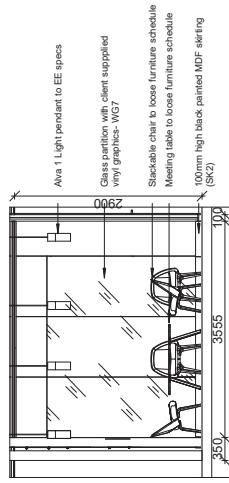
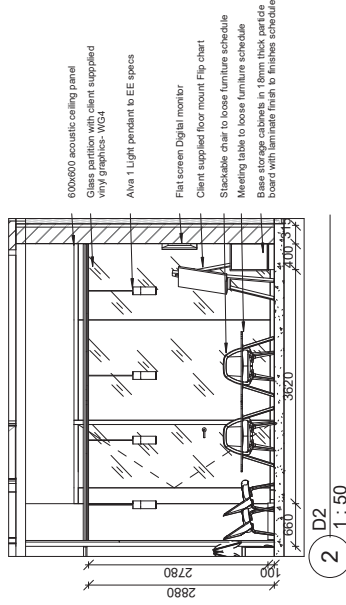
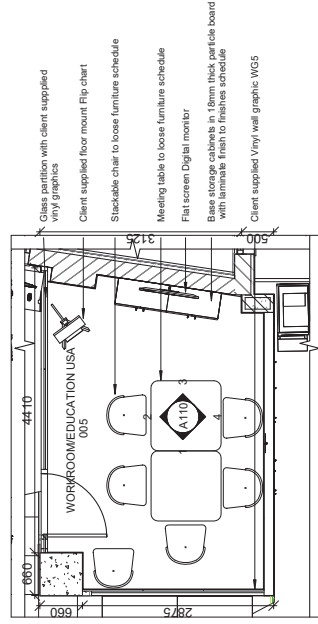
Client supplied Vinyl wall graphic-VG 10

Worktop in 25mm thick particle board in supra glass vancouver maple laminate finish

250W*500H*500H CPU lower storage mount in 25mm laminated particle board

Lockable storage cabinet in 25mm particle board

1 A1 1: 50



- NOTES**
1. This drawing is a copyright of Symbol Kenya Ltd.
 2. All work paths off this drawing must be clearly identified.
 3. All levels are drawn to be checked on site before any building work commences.
 4. Any discrepancies to be reported to the office of the consultant.
 5. The drawings shall be in accordance with the standard specifications.
 6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
 7. Contractors are to be fully informed with regard to any alternate course of action.
 8. Depth of foundation to be determined on site.
 9. p.v. windows permanent air vents over doors and windows as shown in the drawing.
 10. All structural steelwork to be left to be provided between masonry and RC work.
 11. Drain pipes passing under tarmac, driveway and building to be enclosed in 150mm thick concrete.
 12. All reinforced concrete work to structural engineer's drawings.
 13. All sanitary works to the entire satisfaction of Mohr.
 14. All drainage, storm water drainage and foul sewerage to COWI Engineer's drawings.

FILE PATH
C:\Users\jresention\Documents\ACN\ACN PLN JUNE 2021\Recovery.M

[illegible]

CLIENT

SYMBION

Office: +254-020 2610691, 2455071 2 688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &
NUMBER

Stage
100% Submittal-Final construction documents

Revision: 03	Drawn By	LM
--------------	----------	----

Issue Date:	Drawn By:	LM

Issue Date:	21/06/2021	Checked By:	GM
-------------	------------	-------------	----

Scale @ A2:	1 : 50	Approved By:	00
-------------	--------	--------------	----

WORK ROOM ELEVATIONS

SHEET NUMBER

CLASSIFICATION:

Sensitive but unclassified (SBU)

NOTES

- This drawing is a copyright of Symbion Kenya Ltd.
- Do not scale off this drawing.
- All levels and dimensions to be checked on site before any building work commences.
- All work to be reported to the office of the consultant.
- All work to be strictly in accordance with the standard specifications.
- This drawing is to be read in conjunction with the specifications and bills of materials.
- Walls below 200mm thick to be reinforced with hoop iron at every alternate course.
- Depth of foundation to be determined on site.
- PV denotes permanent air vents over doors and windows.
- As indicated.
- A single layer of 3-ply bituminous felt to be provided between masonry and R.C work.
- Drain pipes passing under tarmac, driveway and building to be encased in 150mm thick reinforced concrete work to structural engineer's drawings.
- All reinforced concrete work to structural engineer's drawings.
- All sanitary works to the entire satisfaction of M.O.H.
14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILE PATH
C:\Users\presentation\Desktop\ACMACN FLN JUNE 2021 (Recovery).rvt

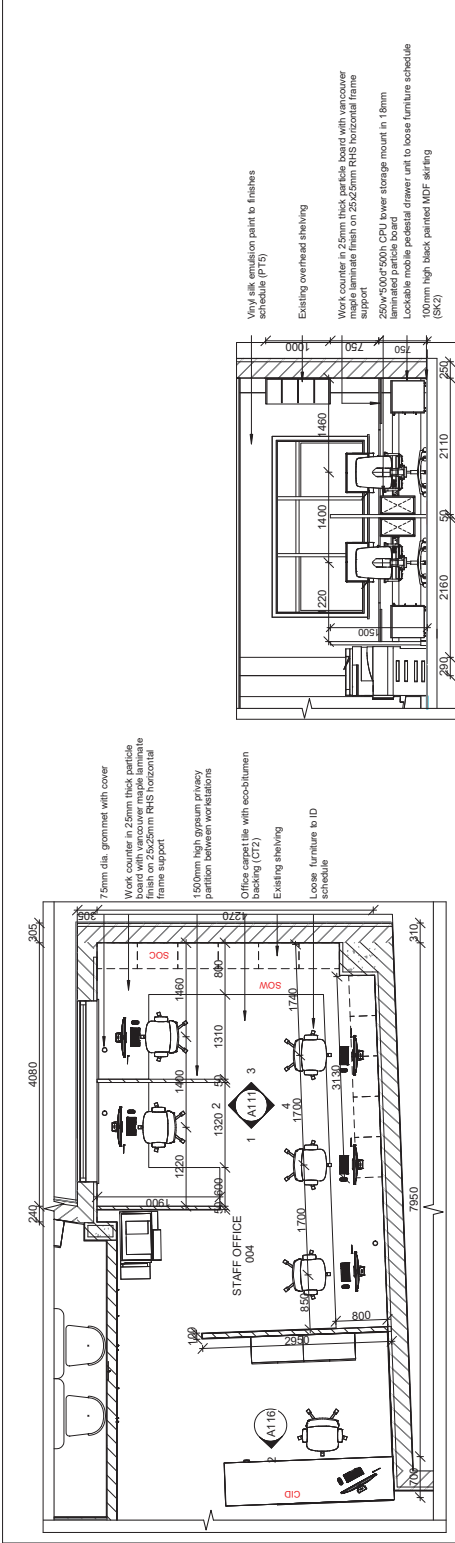
Revisions	
No.	Date
01	25/09/2020
a. Addition of CPU lower mount storage units	
b. Addition of 7.5mm dia. grannet with cover	

CLIENT
UNITED STATES
GOVERNMENT, U.S EMBASSY,
NAIROBI

SYMBION
Office: +254-020-2610061; 2455071 2680459
Cell: +254-020-2610061; 2455071 2680459
Email: symbionkenya@symbion-ai.com
WEBSITE: www.symbion-ai.com

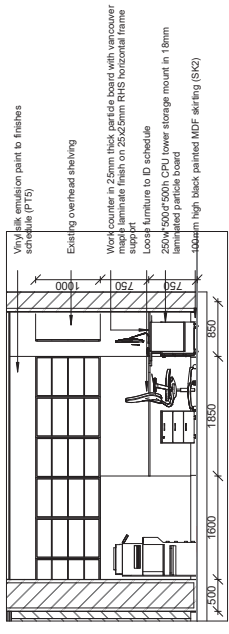
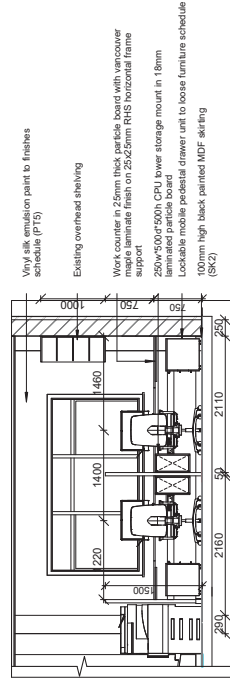
PROJECT NAME & NUMBER
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage	
100% Submittal-Final construction documents	
Revision 03	Drawn By: LM
Issue Date: 21/06/2021	Checked By: GM
Scale @ A2:	As indicated
Approved By: OO	
SHEET TITLE	
STAFF OFFICE ELEVATIONS	
SHEET NUMBER	
A111	
CLASSIFICATION	
Sensitive but unclassified (SBU)	

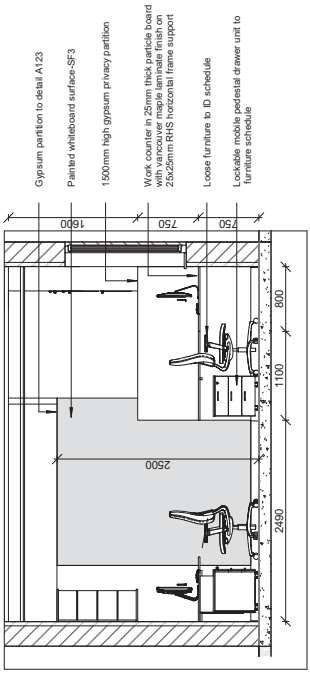


0 STAFF OFFICE PLAN
1 : 50

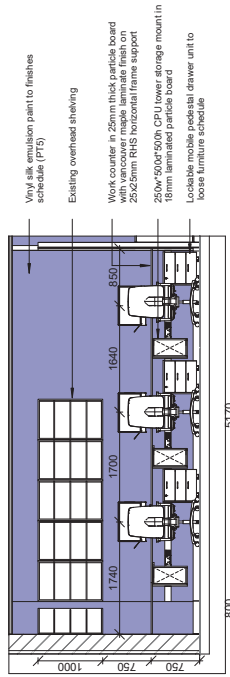
2
1 : 50



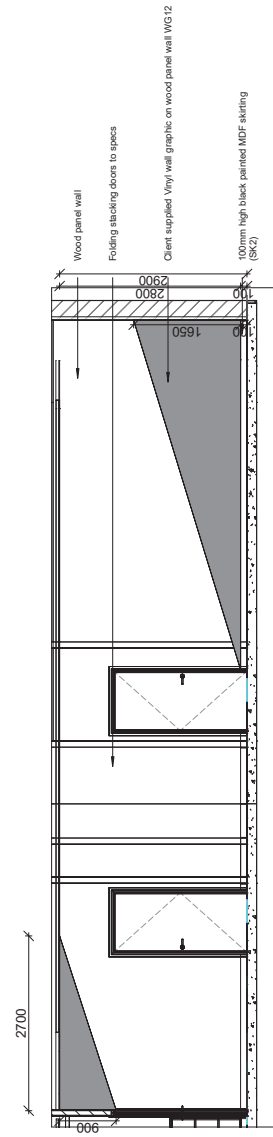
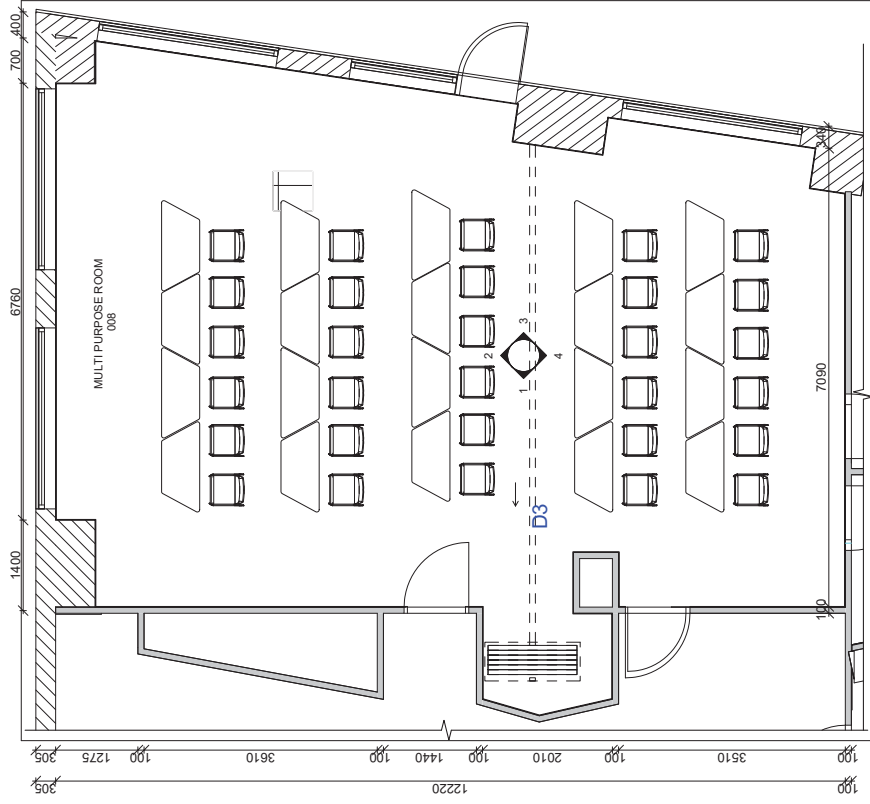
3
1 : 50



1
1 : 40



4
1 : 50



- | NOTES | |
|---|--|
| 1. This drawing is a copyright of Symbion Kenya Ltd. | |
| 2. All work shall follow this drawing. | |
| 3. All levels and dimensions to be checked on site before any building work commences. | |
| 4. Any discrepancies to be reported to the office of the consultant. | |
| 5. All specifications in accordance with the standard specifications. | |
| 6. This drawing is to be read in conjunction with specifications and all other relevant drawings, specifications and all relevant drawings. | |
| 7. All work to be carried out in accordance with the hop from of every alternate course. | |
| 8. Depth of foundation to be determined on site. | |
| 9. All works are permanent, all vents over doors and windows are to be finished. | |
| 10. All work shall be carried out in accordance with the provided benchmarks from masonry and R.C work. | |
| 11. Drain pipes passing under driveway, driveway and building to be engaged in 150mm thick concrete. | |
| 12. All reinforced concrete work to structural engineer's drawings. | |
| 13. All sanitary works to the entire satisfaction of the client. | |
| 14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings. | |

FILE PATH
C:\Users\jresen\OneDrive\Documents\ACMA\ACN\PI\N.I\INE 2021\Recovery\m

[illegible]

CLIENT

UNITED STATES
GOVERNMENT, U.S. EMBASSY,
NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254 733901386, +254 722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &

NOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage	100% Submittal-Final construction documents
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

Revision: 03	Drawn By:	11/11/11
--------------	-----------	----------

Issue Date:	21/06/2021	Checked By:	
-------------	------------	-------------	--

Scale @ A2:	1 : 50	Approved By:	GO
-------------	--------	--------------	----

SHEET TITLE

MULTIPURPOSE ROOM ELEVATIONS

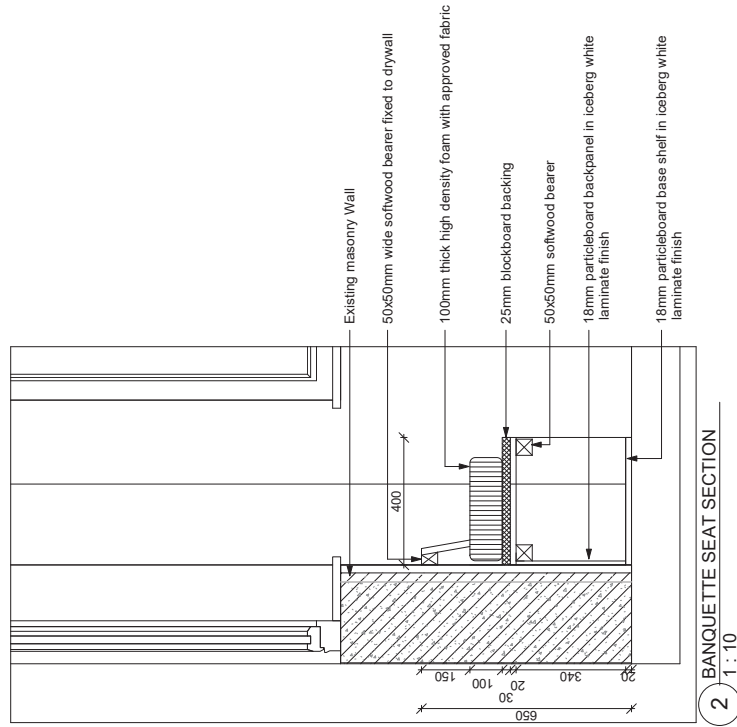
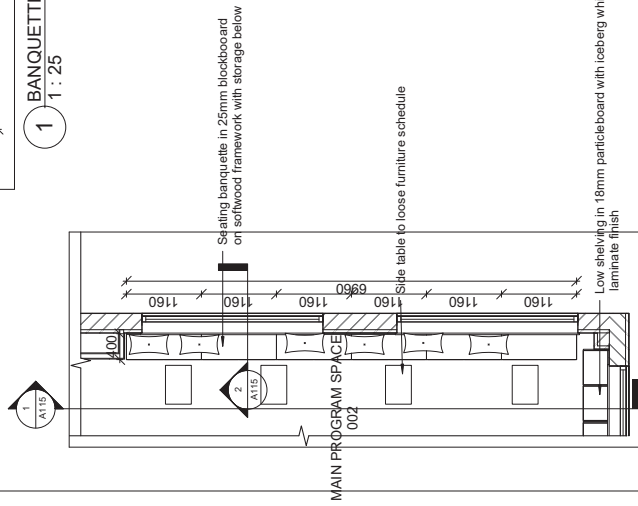
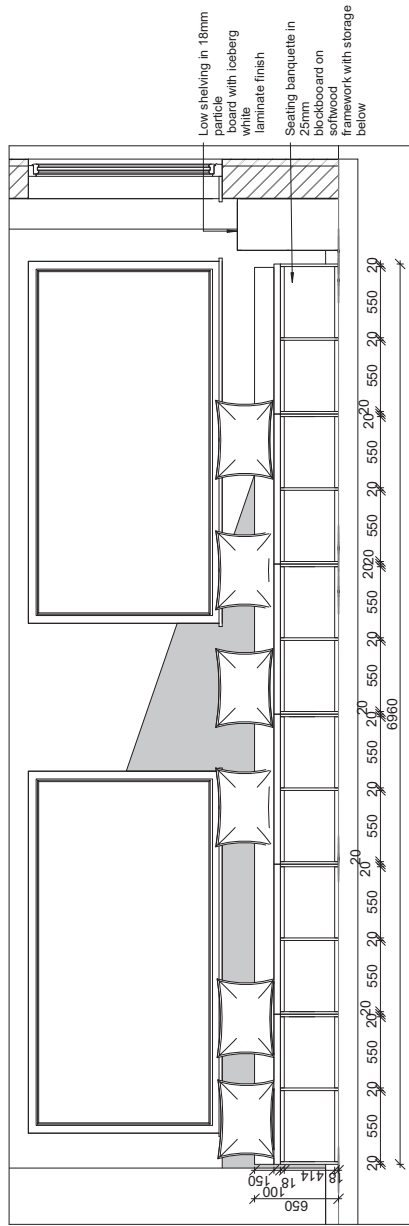
SHEET NUMBER

A113

CLASSIFICATION:

Sensitive but unclassified (SBU)

Sensitive but unclassified (SBU)



- NOTES**
1. This drawing is a copyright of Symber Kenya Ltd.
 2. Not scale off this drawing.
 3. All names and addresses to be checked on site before any building work commences.
 4. Any discrepancies to be reported to the office of the consultant.
 5. To be carried out in accordance with the standard specifications.
 6. This drawing is to be read in conjunction with specifications and all other relevant drawings, notes and details.
 7. Deep foundations to be determined on site by means of every alternate course.
 8. Depth of foundation to be determined on site by means of every alternate course.
 9. pv depends permanent air vents over doors and windows as shown in the drawing.
 10. The design of the roof is to be left to be provided between masonry and R/C work.
 11. Drain pipes passing under tarmac, driveway and building to be increased in 150mm thick concrete.
 12. All reinforced concrete work to structural engineer's drawings.
 13. All sanitary works to the entire satisfaction of the client.
 14. All water, storm water, drainage and foul sewerage to conform with the client's drawings.

FILE PATH
C:\Users\presentation\Desktop\ACM\ACN PIN.JUNE 2021\Recovery\RM

[illegible]

CLIENT

UNITED STATES
GOVERNMENT, U.S EMBASSY,
NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2689045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &

NUMBER
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage

100% Submittal-Final construction documents

Revision: 03

Checked By:	
Checked By:	
Issue Date:	24/05/2024
LVI	

Issue Date:	21/06/2021	Checked by:	GM
-------------	------------	-------------	----

Scale @ A2:

SHEET TITLE
MAIN PROGRAM SPACE BANQUETTE
SEATING DETAIL

SHEET NUMBER

A115

CLASSIFICATION:

Sensitive but unclassified (SBU)



- | FILE PATH |
|---|
| C:\Users\presentation\Desktop\ACN\ACN PIN.JUNE 2021(Recovery).M |

CLIENT

SYMBION

**PROJECT NAME &
NUMBER**
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage	100% Submittal-Final construction documents
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

Revision:03	Dawn By:	1 M
-------------	----------	-----

Issue Date:	21/06/2021	Checked By:
-------------	------------	-------------

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523
--	---	---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

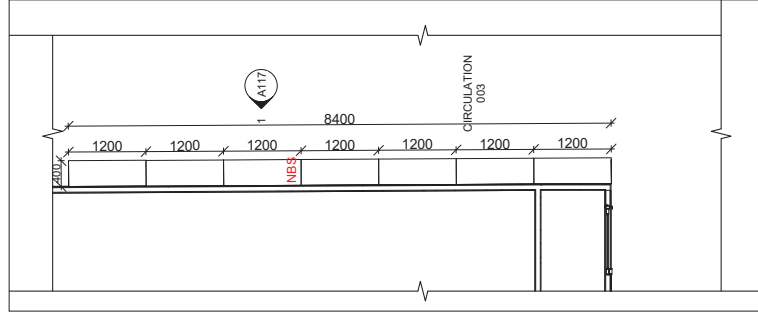
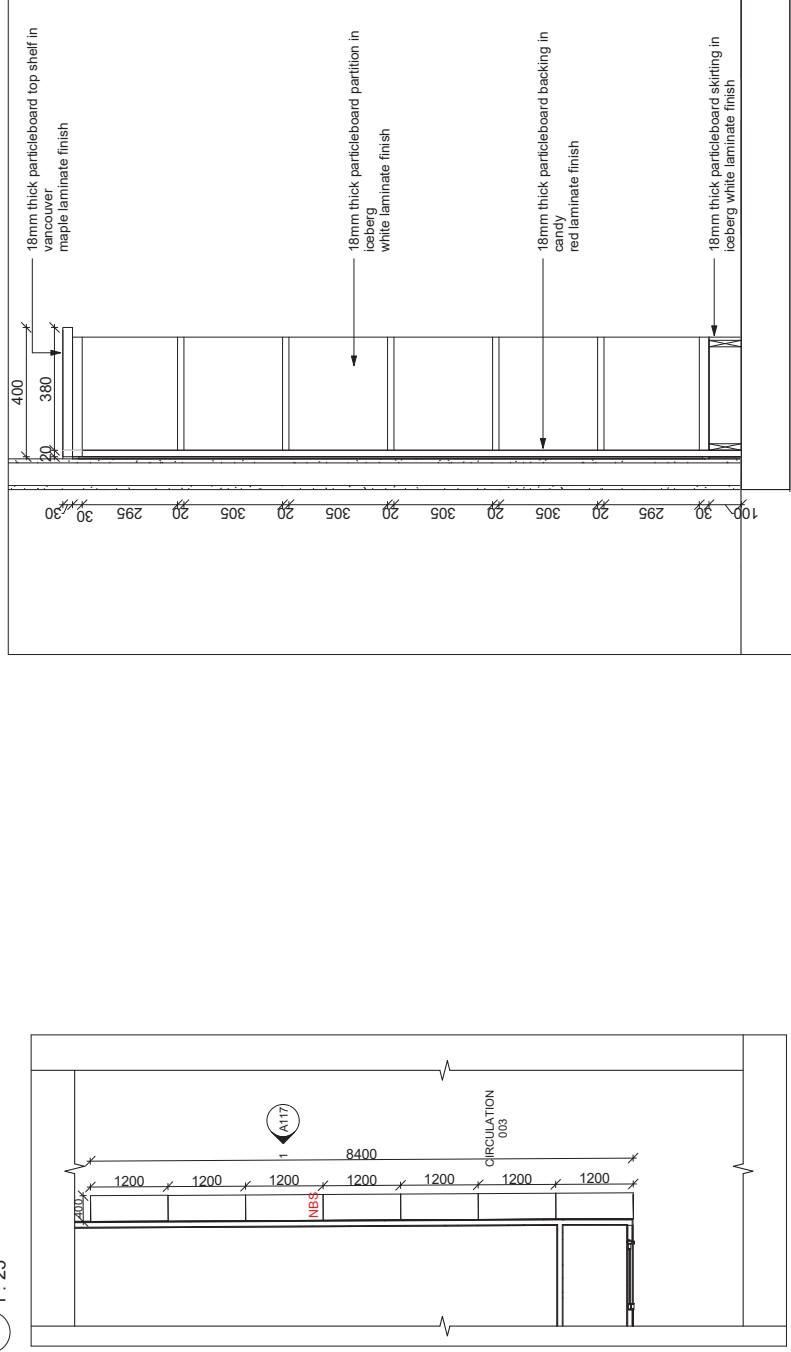
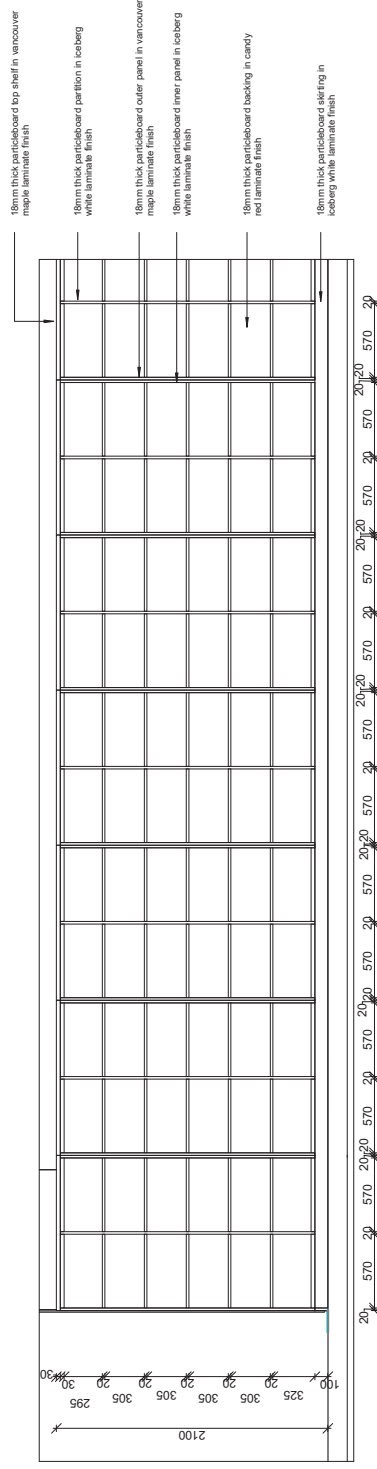
As indicated

100

INFO DESK DETAIL

SHEET NUMBER A116

CLASSIFICATION:



- | NOTES | |
|--|--|
| 1. This drawing is a copyright of Symbol Kenya Ltd. | |
| 2. All levels and points of this drawing shall be checked on site. | |
| 3. All existing drawings to be checked on site before any building work commences. | |
| 4. Any discrepancies to be reported to the office of the consultant. | |
| 5. Standard specifications in accordance with the standard specifications. | |
| 6. This drawing is to be read in conjunction with specifications and all other relevant drawings. | |
| 7. All work to be done shall be performed with a hop from any other alternate course. | |
| 8. Depth of foundation to be determined on site. | |
| 9. p.v. windows permanent air vents over doors and windows as shown in the drawing. | |
| 10. All doors and windows to be left to be provided between masonry and RC work. | |
| 11. Drain pipes passing under tarmac, driveway and building to be encased in 150mm thick concrete. | |
| 12. All reinforced concrete work to be structural engineer's drawings. | |
| 13. All sanitary works to the entire satisfaction of Mohi. | |
| 14. All storm water drainage and foul sewerage to CWT Engineer's drawings. | |

FILE PATH
C:\Users\presentation\Desktop\ACN\ACN\PLN JUNE 2021\Recovery\M

[illegible]

CLIENT

UNITED STATES
GOVERNMENT, U.S. EMBASSY,
NAIROBI

SYMBION

Office: +254-020 2610691, 2455071 2 688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &
NUMBER
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage
100% Submittal-Final construction documents

Revision: 03	Drawn By:	11
--------------	-----------	----

Issue Date:	21/06/2021	Checked By:	
		Checked By:	

[illegible]

Scale @ A2:

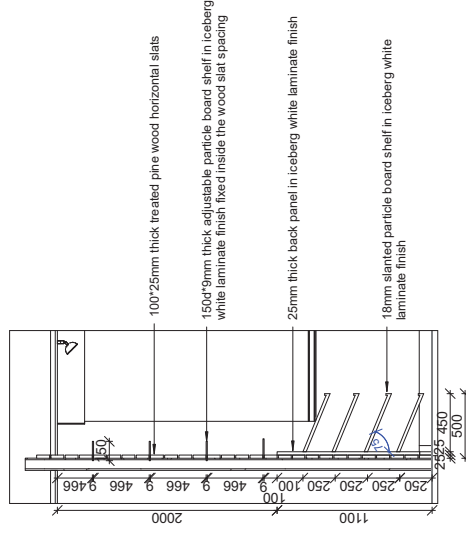
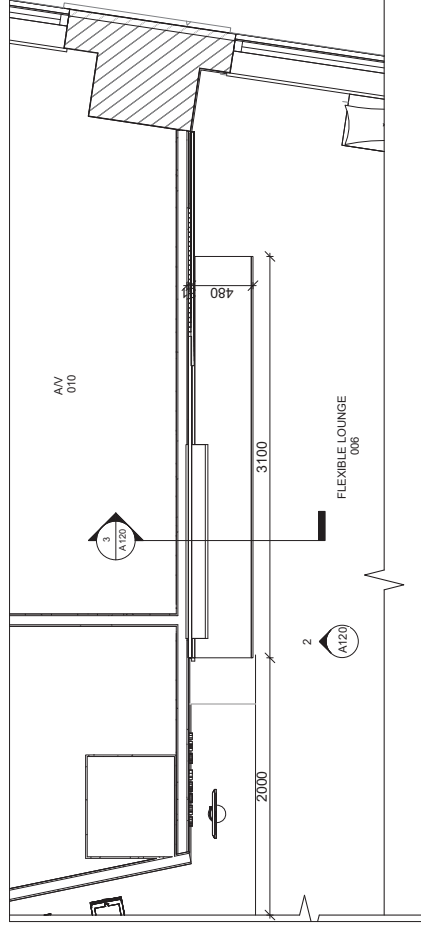
BOOKSHELF DETAILS

SHEET NUMBER

A1117

CLASSIFICATION:

Sensitive but unclassified (SBU)



- | NOTES | |
|--|--|
| 1. This drawing is a copyright of Symbol Kenya Ltd. | |
| 2. All dimensions and paths of this drawing shall be in millimetres. | |
| 3. All levels are drawn to be checked on site. | |
| 4. Any discrepancies to be reported to the office of the consultant. | |
| 5. Standard specifications in accordance with the standard specifications. | |
| 6. This drawing is to be read in conjunction with specifications and all other relevant drawings. | |
| 7. All work to be done shall be performed with a hop from any given alternate course. | |
| 8. Depth of foundation to be determined on site. | |
| 9. p.v. windows permanent air vents over doors and windows as shown in the drawing. | |
| 10. All doors and windows shall be left to be provided between masonry and RC work. | |
| 11. Drain pipes passing under tarmac, driveway and building to be encased in 150mm thick concrete. | |
| 12. All reinforced concrete work to be structural engineer's drawings. | |
| 13. All sanitary works to the entire satisfaction of Mohi. | |
| 14. All drainage, storm water drainage and foul sewerage to CWT Engineer's drawings. | |

FILE PATH
C:\Users\presentation\Desktop\ACN\ACN PIN.JUNE 2021(Recovery).M

[illegible]

CLIENT

UNITED STATES
GOVERNMENT, U.S. EMBASSY,
NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &

NOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage	
100% Submittal-Final construction documents	
Revision: 03	Drawn By: LM
Issue Date: 21/06/2021	Checked By: GM
Scale @ A2:	Approved By: 00

SHEET TITLE

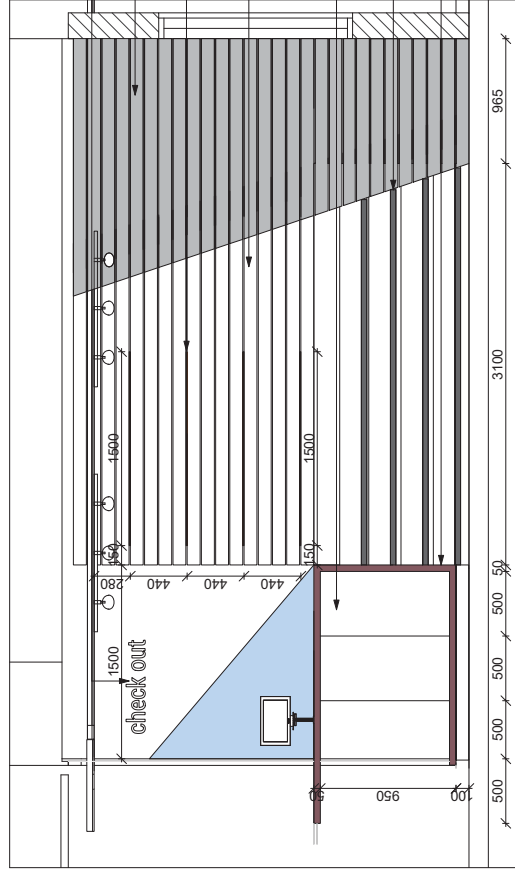
MAGAZINE SHELVING DETAILS

SHEET NUMBER

A120

CLASSIFICATION:

Sensitive but unclassified (SBU)



Client supplied vinyl lettering signage to approval

100*25mm treated pine wood horizontal slats painted black

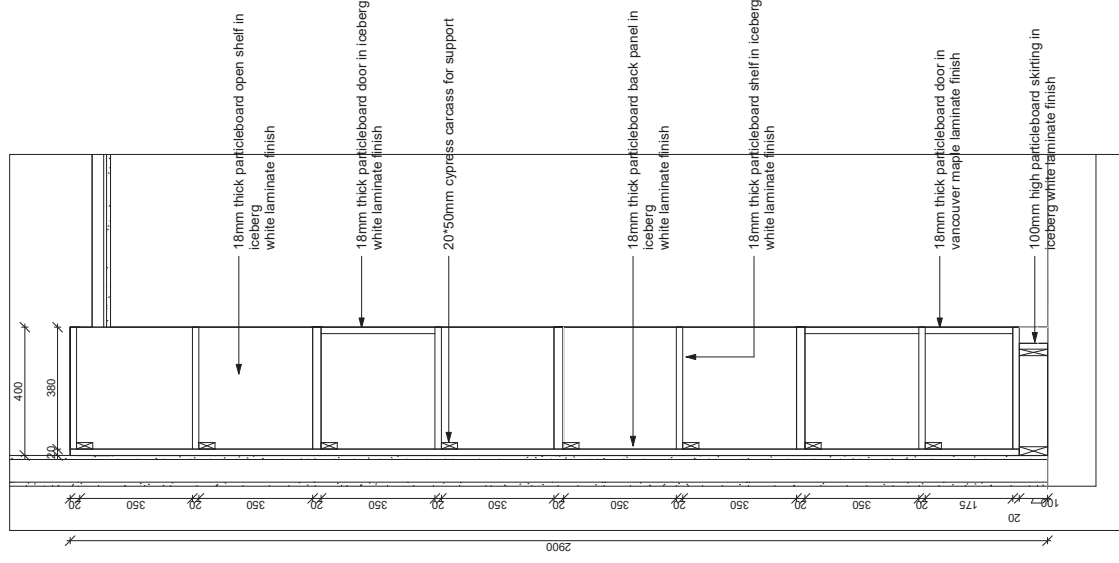
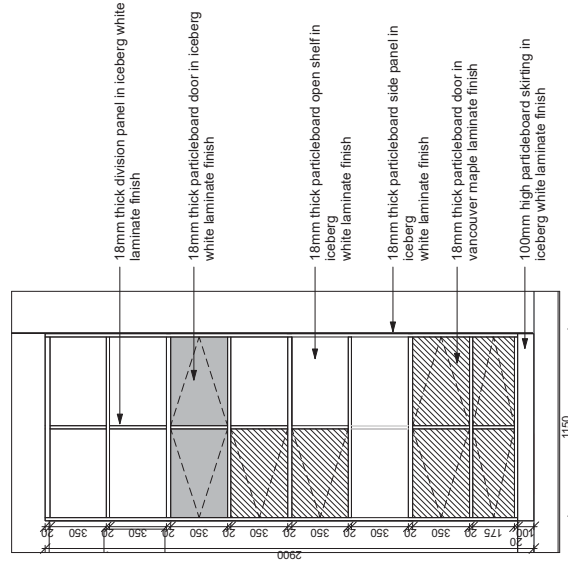
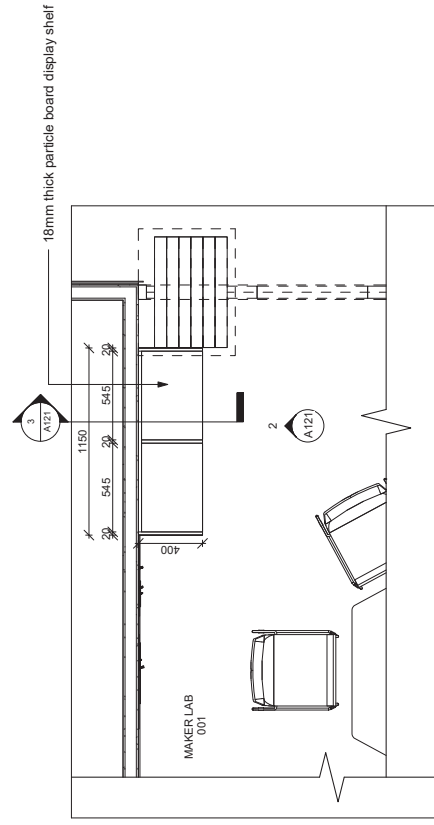
150d*9mm thick adjustable particle board shelf in iceberg white laminate finish fixed inside the wood slat spacing

100*25mm treated pine wood horizontal slats

Lockable, push to open particle board doors with iceberg white finish

18mm slanted particle board shelf in iceberg white laminate finish

18mm thick particle board detail surround in candy red laminate finish



- | | |
|--|--|
| NOTES | |
| <ol style="list-style-type: none"> 1. This drawing is a copyright of Symbion Kenya Ltd. 2. All work under this drawing shall be checked on site. 3. All levels and dimensions to be checked on site before any building work commences. 4. Any discrepancies to be reported to the office of the consultant. 5. The design is in accordance with the standard specifications. 6. This drawing is to be read in conjunction with specifications and all other relevant drawings. 7. All work shall be carried out as per referenced With hopk from every alternate course. 8. Depth of foundation to be determined on site. 9. p.v windows permanent air vents over doors and windows as shown in the drawing. 10. All wall openings to be provided with lintels to be provided between masonry and R.C work. 11. Drain pipes passing under tarmac, driveway and building to be encased in 150mm thick concrete. 12. All reinforced concrete work to structural engineer's drawings. 13. All sanitary works to the entire satisfaction of Mohr. 14. All drainage, storm water drain age and foul sewerage to Civil Engineer's drawings. | |

[illegible][illegible]

CLIENT

UNITED STATES
GOVERNMENT, U.S. EMBASSY,
NAIROBI

SYMBION

Office: +254-020 2610691, 2455071, 2688045/9
Office: +254733801386, +254722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &

NUMBER
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage	100% Submittal-Final construction documents
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	
81	
82	
83	
84	
85	
86	
87	
88	
89	
90	
91	
92	
93	
94	
95	
96	
97	
98	
99	
100	

Revision: 03	Drawn By:	11/11/2011
--------------	-----------	------------

Issued Date:	04/09/2008	Checked By:	
		Drawn By:	

Issue Date:	21/06/2021	Checked by:	GM
-------------	------------	-------------	----

HS	
----	--

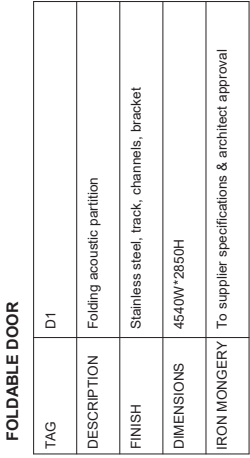
MAKER LAB DISPLAY SHELVING DETAILS

SHEET NUMBER

CLASSIFICATION:

Sensitive but unclassified (SBU)





Technical drawing of a partition system showing a side elevation. The drawing illustrates a series of five rectangular panels, each with a diagonal dashed line indicating a fold or hinge. The panels are labeled "0503" and "0505". Dimensions are provided: individual panel height is 908, and the total height of the assembly is 4,540. Labels include "Ceiling level" and "Actual movable partition".

2 MAKER LAB FOLDING DOOR ELEVATION

- NOTES**
1. This drawing is a copyright of Symbion Kenya Ltd.
 2. A scale of this drawing
 3. All levels and dimensions to be checked on site before any building work commences.
 4. Any discrepancies to be reported to the office
 5. All work to be strictly in accordance with the standard specifications.
 6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
 7. All work to be carried out in accordance with the hoop from of every alternate course.
 8. Depth of foundation to be determined on site.
 9. pv denotes permanent air vents over doors and windows as shown in the drawing.
 10. All concrete to be cast to the level provided between masonry and RC work.
 11. Drain pipes passing under larmac, driveway and building to be enclosed in 150mm thick
 12. All reinforced concrete work to structural engineer's drawings.
 13. All sanitary works to the entire satisfaction of the architect.
 14. All work to be carried out in accordance with the drawings.
 15. All work to be carried out in accordance with the drawings.

FILE PATH
C:\Users\lpresentation\Desktop\ACN\ACN PLN JUNE 2021\Recovery\...

[illegible]

CLIENT

SYMBION

Office: +254-0202610691, 2455071, 2688045/9
Office: +254733801386, +2547228080/00
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &
NUMBER

Stage	100% Submittal-Final construction documents

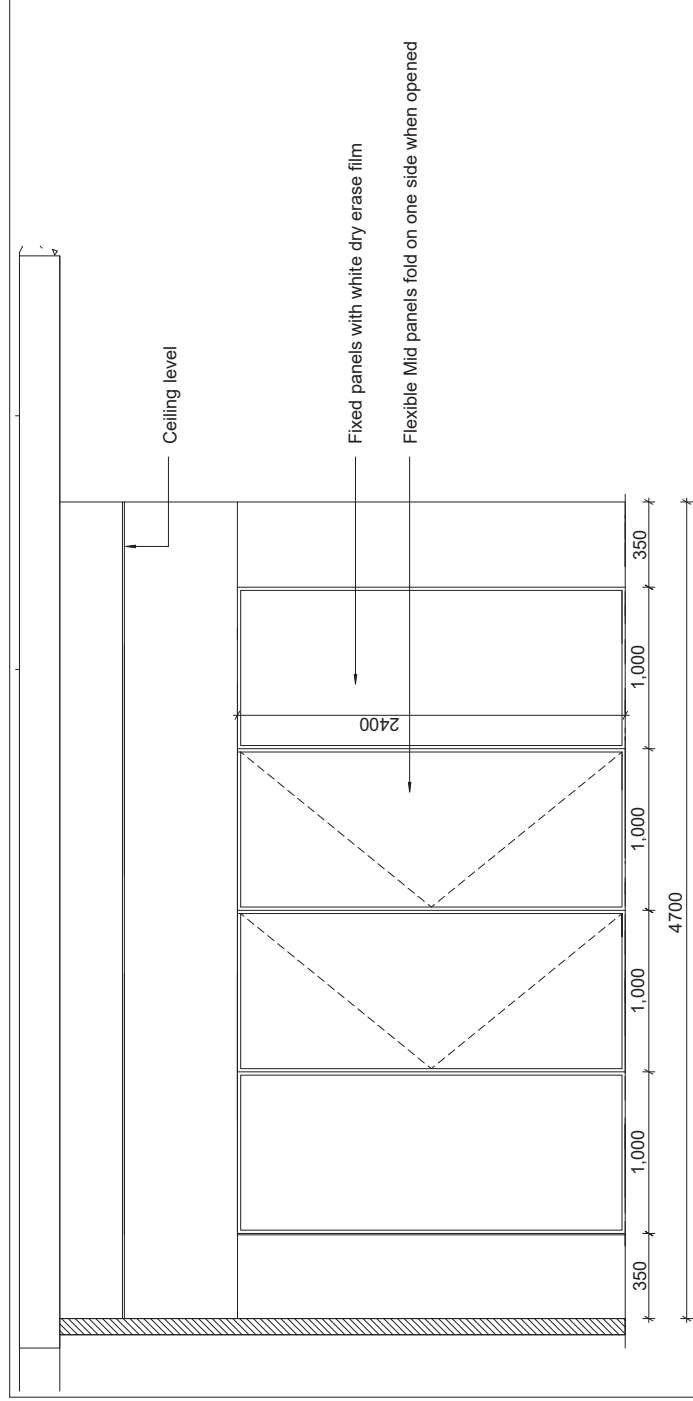
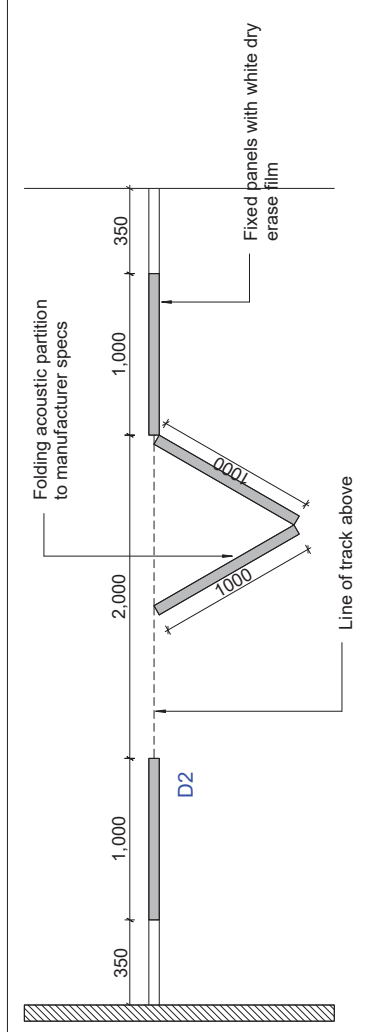
Revision: 03	Drawn By: LM
Issue Date: 21/06/2021	Checked By: GM
Scale @ A2:	Approved By: OO

MAKER LAB DOOR SCHEDULE

SHEET NUMBER

CLASSIFICATION:

Sensitive but unclassified (SBU)



FOLDABLE DOOR

TAG	D2
DESCRIPTION	Folding acoustic partition
FINISH	Stainless steel, track, channels, bracket
DIMENSIONS	4000W*2400H
IRON MONGERY	To supplier specifications & architced approval

- NOTES**
1. This drawing is a copyright of Symbol Kenya Ltd.
 2. All work paths off this drawing must be clearly identified.
 3. All levels and dimensions to be checked on site before any building work commences.
 4. Any discrepancies to be reported to the office of the consultant.
 5. The drawings are in accordance with the standard specifications.
 6. This drawing is to be read in conjunction with specifications and all other relevant drawings.
 7. All work items to be fully informed with a complete bill of materials.
 8. Depth of foundation to be determined on site.
 9. p.v. windows permanent air vents over doors and windows as shown in the drawing.
 10. All structural steelwork to be supplied by and provided between masonry and RC work.
 11. Drain pipes passing under tarmac, driveway and building to be enclosed in 150mm thick concrete.
 12. All reinforced concrete work to structural engineer's drawings.
 13. All sanitary works to the entire satisfaction of Mohr.
 14. All drainage, storm water drainage and foul sewerage to be installed in accordance with Civil Engineer's drawings.

FILE PATH
C:\Users\presentation\Desktop\ACM-ACN PLN JUNE 2021(Recovery).ml

[illegible]

CLIENT

UNITED STATES
GOVERNMENT, U.S. EMBASSY,
NAIROBI

SYMBION

Office: +254-020 2610691, 2455071 2 688045/9
Office: +254 733801386, +254 722808000
E mail: symbionkenya@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &

NOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage

100% Submittal-Final construction documents

Revision: 03		Drawn By: LM
Issue Date:	21/05/2021	Checked By: GM
Scale @ A2:	As indicated	Approved By: OO

SHEET TITLE
MAIN PROGRAM SPACE DOOR
SCHEDULE

SHEET NUMBER A125

CLASSIFICATION:
Sensitive but unclassified (SBU)

1000

Sensitive but unclassified (SBU)



- FILE PATH
C:\Users\presentation\Desktop\ACN\ACN PLIN JUNE 2021 (Recovery).nt

CLIENT

PROJECT NAME &
NUMBER

Revision:03		Drawn By: LM
Issue Date:	21/06/2021	Checked By: GM
Scale @ A2:	1 : 20	Approved By: OO
SHEET TITLE		

SHEET NUMBER

CLASSIFICATION:
Sensitive but unclassified (SBU)

1. This drawing is a copyright of Symblon Kenya Ltd.
2. Do not scale off this drawing.
3. Do not make any alterations, checks or corrections, checked on site before any building work commences.
4. Any discrepancies to be reported to the office of the consultant.
5. All work to be strictly in accordance with the specifications.
6. This drawing is to be read in conjunction with the specifications and all other relevant drawings.
7. Walls below 200mm thick to be reinforced with 12mm reinforcement bars.
8. Depth of foundation to be determined on site.
9. Provide permanent air vents over doors and windows as shown in the drawing.
10. A single layer of 3-ply bituminous felt to be applied over the roof.
11. Drain pipes passing under terrace, driveway and building to be encased in 150mm thick concrete surround.
12. All reinforced concrete work to structural standards.
13. All sanitary works to the entire satisfaction of M&H.
14. All roads, storm water drainage and foul sewerage to Civil Engineer's drawings.

FILE PATH
C:\Users\presentation\Desktop\ACN\ACN PLN JUNE 2021 (Recovery).nt

[illegible]

CLIENT UNITED STATES
GOVERNMENT, U.S EMBASSY,
NAIROBI

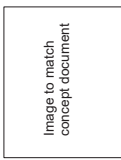
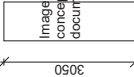
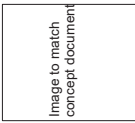
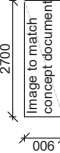
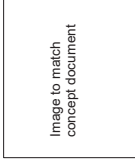
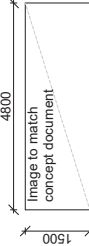
SYMBION

Office: +254-020-2610691, 2455071, 2688045/9
Office: +254733801386, +2547228080/00
E-mail: symbionkenya@a@symbion-int.com
WEBSITE: www.symbion-int.com

PROJECT NAME &
NUMBER

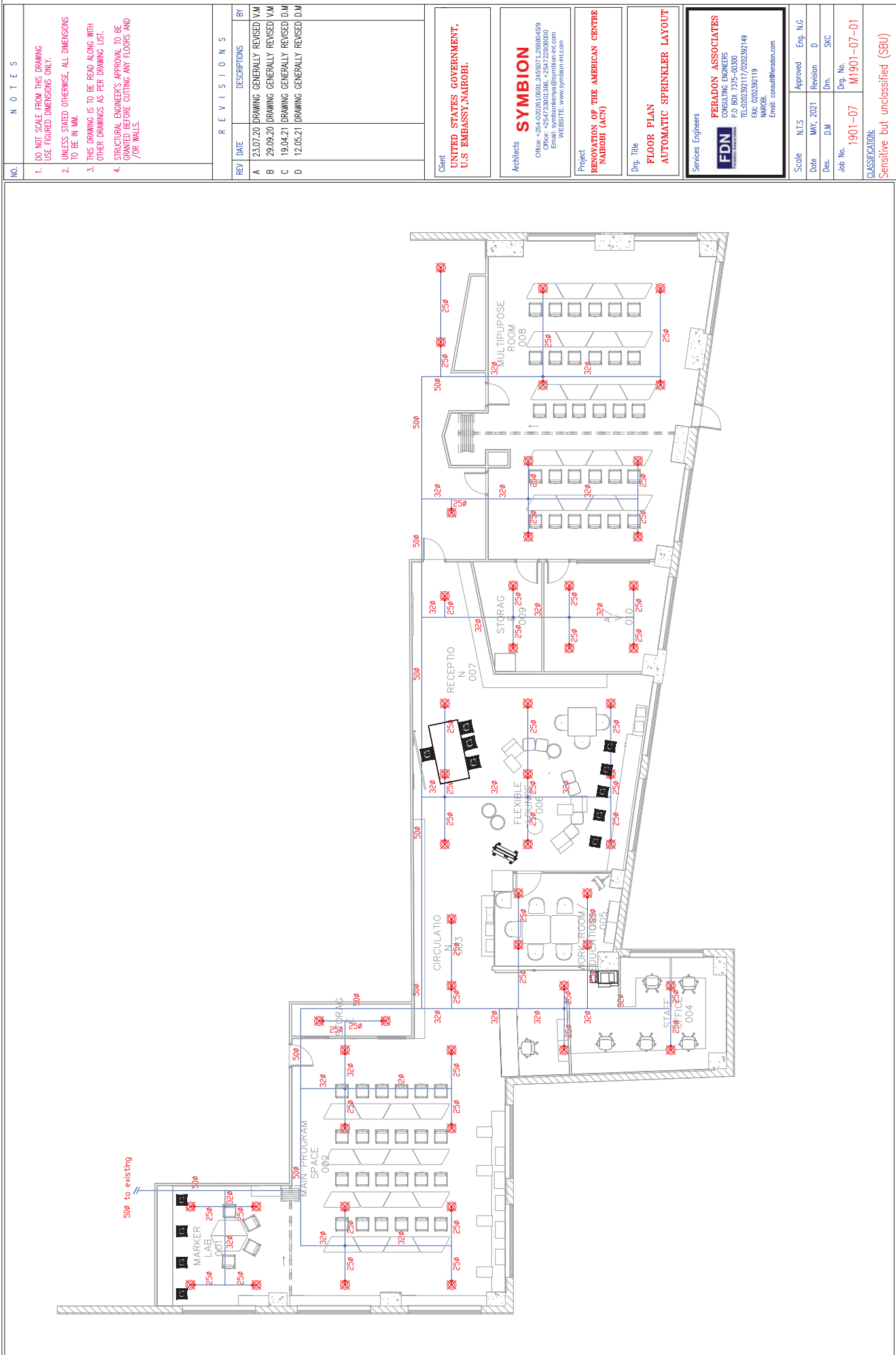
RENOVATION OF THE AMERICAN
CENTRE NAIROBI (ACN)
SK-19-2504

Stage	100% Submittal-Final construction documents		
Revision: 03	Drawn By: LM	Issue Date: 2/10/2021	Checked By: GM
		Scale @ A2: 1 : 75	Approved By: OO
SHEET TITLE			
GRAPHICS SCHEDULE			
SHEET NUMBER		A129	
CLASSIFICATION:			
Sensitive but unclassified (SBU)			

Reference code: WG1 Type: Client supplied vinyl signage & wall graphic Description: Kenyan map with representational graphics Dimensions: 3500w*2750h Area: Reception	 Image to match concept document 3500 2750	Reference code: WG5 Type: Client supplied vinyl wall graphic Description: U.S Map Dimensions: 4000w*3100h Area: Workroom	 4000 3100	Reference code: WG9 Type: Client supplied vinyl wall graphic signage Description: Space signage name Dimensions: 900w*3050h Area: Maker lab partition wall	 900 3050
Reference code: WG2 Type: Client supplied vinyl wall graphic Description: Martin Luther King Jr. Dimensions: 900w*2200h Area: Flexible lounge	 900 2200	Reference code: WG6 Type: Client supplied vinyl wall graphic Description: Mount Rushmore Dimensions: 2950w*1500h Area: Circulation area	 2950 1500	Reference code: WG10 Type: Client supplied vinyl wall graphic Description: Golden Gate Bridge Dimensions: 4600w*2350h Area: Maker lab	 4600 2350
Reference code: WG3 Type: Client supplied vinyl wall graphic Description: Geometric vinyl graphics Dimensions: 2700w*3100h Area: Workroom glass partition	 2700 3100	Reference code: WG7 Type: Client supplied vinyl wall graphic Description: Quotations Dimensions: 4700w*700h Area: Main program space	 4700 700	Reference code: WG11 Type: Client supplied vinyl wall graphic Description: Colour graphics Dimensions: 2700w*900h Area: Multipurpose room	 2700 900
Reference code: WG4 Type: Client supplied vinyl wall graphic Description: Geometric vinyl graphics Dimensions: 3700w*3100h Area: Workroom glass partition	 3700 3100	Reference code: WG8 Type: Client supplied vinyl wall graphic Description: The Statue of Liberty Dimensions: 1910w*3000h Area: Main program space	 1910 3000	Reference code: WG12 Type: Client supplied vinyl wall graphic Description: Colour graphics Dimensions: 4800w*1500h Area: Multipurpose room	 4800 1500



NOTES			
DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.			
UNLESS STATED OTHERWISE, ALL DIMENSIONS TO BE IN MM.			
THIS DRAWING IS TO BE READ ALONG WITH OTHER DRAWINGS AS PER DRAWING LIST.			
STRUCTURAL ENGINEER'S APPROVAL TO BE GRANTED BEFORE CUTTING ANY FLOORS AND /OR WALLS.			
R E V I S I O N S			
REV	DATE	DESCRIPTIONS	BY
A	23.07.20	DRAWING GENERALLY REVISED V.M	
B	29.09.20	DRAWING GENERALLY REVISED V.M	
C	19.04.21	DRAWING GENERALLY REVISED D.M	
Client			
UNITED STATES GOVERNMENT, U.S EMBASSY, NAIROBI.			
Architects			
SYMBION			
Office: +254-020-2610891, 2455071, 24880459 Office: +254-031-3801386, +254-722809000 Email: symbionkenya@symbion-ant.com WEB SITE: www.symbion-ant.com			
Project			
RENOVATION OF THE AMERICAN CENTRE NAIROBI (ACN)			
Drg. Title			
FLOOR PLAN			
AUTOMATIC SPRINKLER LAYOUT			
Services Engineers			
FDN FLOOR DESIGN NETWORK PERADON ASSOCIATES CONSULTING ENGINEERS P.O BOX 7375-00100 TEL:0202392117/0202392149 FAX: 0202392119 NAIROBI. Email: consult@peradon.com			
Scale	N.T.S	Approved	Eng. N.G
Date	APRIL, 2021	Revision	B
Des.	D.M	Dwn.	SXC
Job No.	1901-07	Drg. No.	
CLASSIFICATION:		W1901-07-01	
Sensitive but unclassified (SBU)			



NOTES	
NO.	
1.	DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
2.	UNLESS STATED OTHERWISE, ALL DIMENSIONS TO BE IN MM.
3.	THIS DRAWING IS TO BE READ ALONG WITH OTHER DRAWINGS AS PER DRAWING LIST.
4.	STRUCTURAL ENGINEER'S APPROVAL TO BE GRANTED BEFORE CUTTING ANY FLOORS AND /OR WALLS.

REVISIONS		
REV	DATE	DESCRIPTIONS
A	23.07.20	DRAWING GENERALLY REVISED V.M
B	29.09.20	DRAWING GENERALLY REVISED V.M
C	19.04.21	DRAWING GENERALLY REVISED D.M
D	12.05.21	DRAWING GENERALLY REVISED D.M

Client	UNITED STATES GOVERNMENT, U.S. EMBASSY, NAIROBI.
Architects	SYMBION Office: +254-0202010801, 245971, 288804599 Office: +254738003386 +254722808000 Email: info@symbion-ml.com WEBSITE: www.symbion-ml.com
Project	RENOVATION OF THE AMERICAN CENTRE NAIROBI (ACN)
Dwg. Title	FLOOR PLAN AUTOMATIC SPRINKLER LAYOUT

Services Engineers	FERADON ASSOCIATES CONSULTING ENGINEERS P.O. BOX 7375-00300 TEL: 0202392117/0202392149 MOS: 0202392119 NAIROBI, KENYA Email: consult@feradon.com
--------------------	---

Scale	N.T.S	Approved	Eng. N.G
Date	MAY, 2021	Revision	D
Des.	D.M	Dwn.	S.K.C
Job No.	1901-07	Drg. No.	M1901-07-01

CLASSIFICATION:	Sensitive but unclassified (SBU)
-----------------	----------------------------------

NO.

NOTES

1. DO NOT SCALE FROM THIS DRAWING
USE FIGURED DIMENSIONS ONLY.

2. UNLESS STATED OTHERWISE, ALL DIMENSIONS
TO BE IN MM.

3. THIS DRAWING IS TO BE READ ALONG WITH
OTHER DRAWINGS AS PER DRAWING LIST.

4. STRUCTURAL ENGINEER'S APPROVAL TO BE
OBTAINED BEFORE CUTTING ANY FLOORS AND
/OR WALLS.

REV.

DATE

DESCRIPTIONS

BY

A

23.07.20

DRAWING GENERALLY REVISED VM

B

29.09.20

DRAWING GENERALLY REVISED VM

Client

UNITED STATES GOVERNMENT,
U.S. EMBASSY, NAIROBI.

Architects

SYMBION
Office: +254 20 261 0061, 245971, 28880459
+254 733 880 396 +254 722 880 800
Email: info@symbion-ml.com
WEBSITE: www.symbion-ml.com

Project

RENOVATION OF THE AMERICAN CENTRE
NAIROBI (ACN)

Dwg. Title

FLOOR PLAN
AIR CONDITIONING LAYOUT

Services Engineers

FERADON ASSOCIATES
CONSULTING ENGINEERS
P.O. BOX 7375-00300
TEL: 0202392117/0202392149
Fax: 0202392119
Mobile: 0722 222 222
Email: consult@feradon.com

Scale

N.T.S

Approved

Eng. N.G

Date

JULY, 2020

Revision

B

Des.

S.L

Dwn.

SAC

Job No.

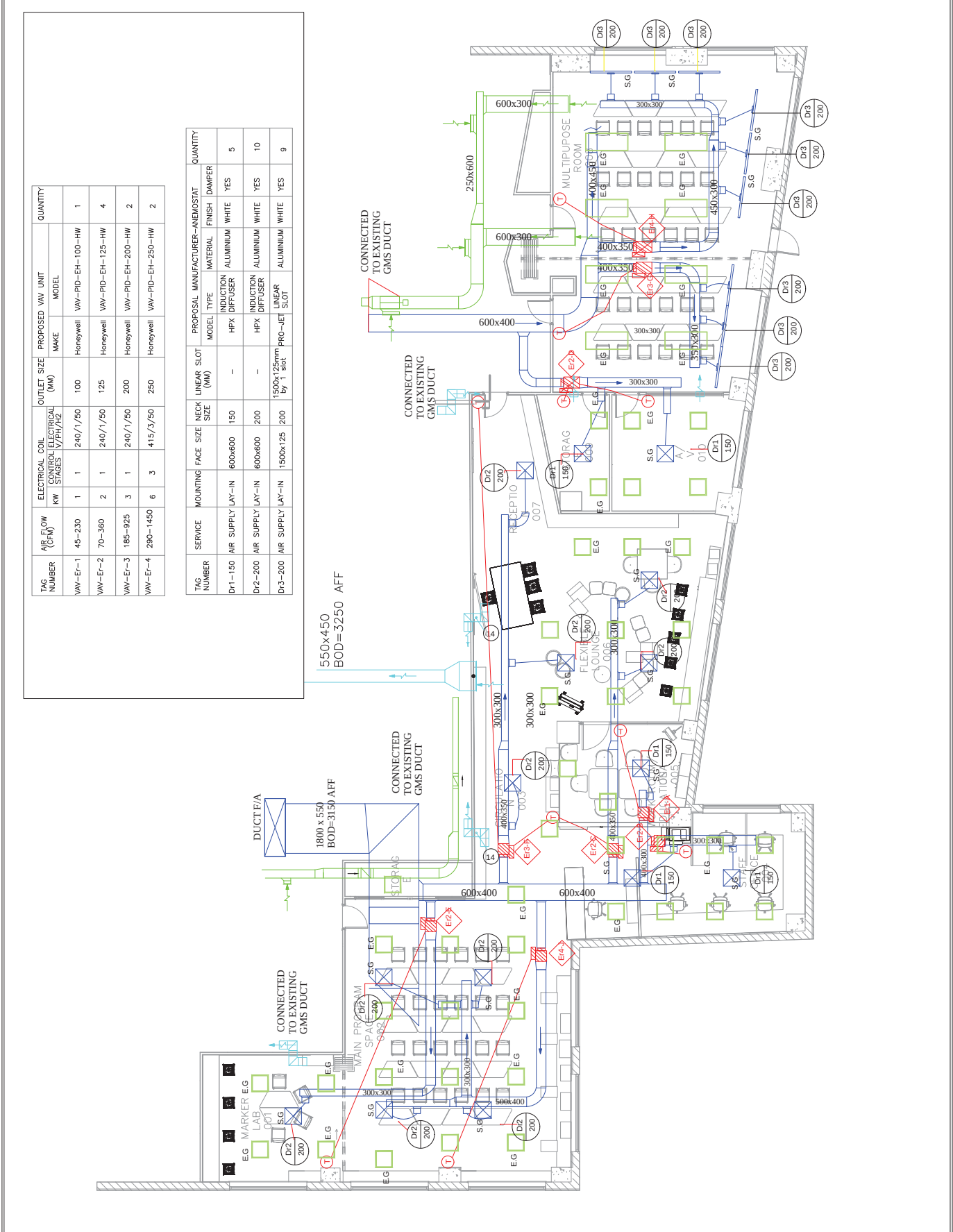
1901-07

Dwg. No.

M1901-07-02

CLASSIFICATION:

Sensitive but unclassified (SBU)

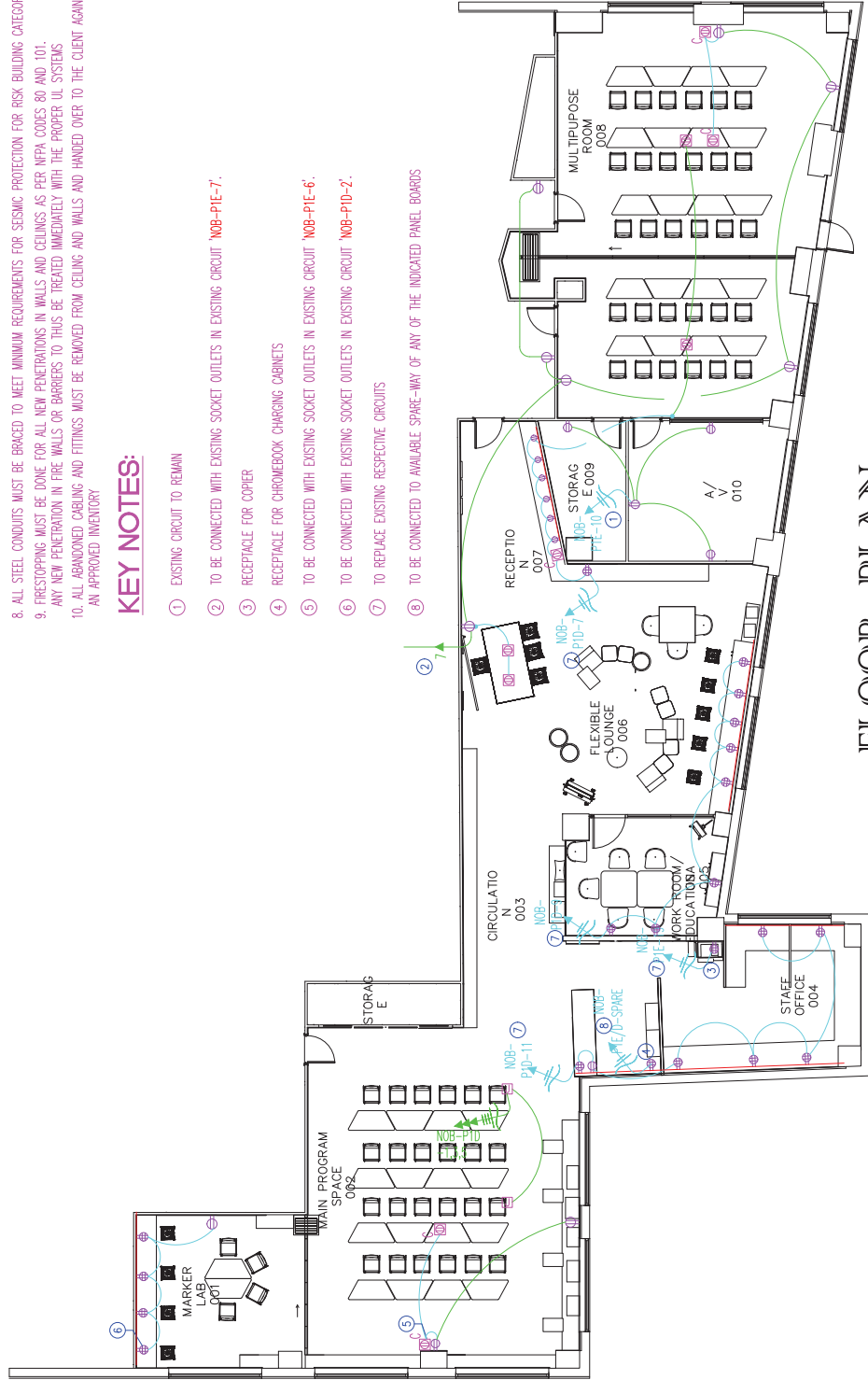


GENERAL NOTES:

- 1. REFER TO DRAWING E-1901-07-04 FOR ELECTRICAL SYMBOLS, ABBREVIATIONS AND GENERAL NOTES.
- 2. EXISTING FLOOR OUTLETS TO REMAIN.
- 3. POWER SUPPLY TO VAVs TO REMAIN AS CURRENTLY INSTALLED
- 4. RED CONTINUOUS LINE REPRESENTS TRUNKING
- 5. VAV POSITIONS SHOWN ON MECHANICAL HVAC DRAWINGS
- 6. GREEN LINE REPRESENTS EXISTING CABLES NOT BEING REPLACED. ALL SOCKET OUTLETS CONNECTED WITH THIS CABLES ARE EXISTING AND WILL REMAIN
- 7. PANEL BOARDS USED ARE ALL EXISTING
- 8. ALL STEEL CONDUITS MUST BE BRACED TO MEET MINIMUM REQUIREMENTS FOR SEISMIC PROTECTION FOR RISK BUILDING CATEGORY IV
- 9. FIRESTOPPING MUST BE DONE FOR ALL NEW PENETRATIONS IN WALLS AND CEILINGS AS PER NFPA CODES 80 AND 101.
- 10. ANY NEW PENETRATION IN FIRE WALLS OR BARRIERS TO THIS BE TREATED IMMEDIATELY WITH THE PROPER UL SYSTEMS
- 11. ALL ABANDONED CABLING AND FITTINGS MUST BE REMOVED FROM CEILING AND WALLS AND HANDED OVER TO THE CLIENT AGAINST AN APPROVED INVENTORY

KEY NOTES:

- 1. EXISTING CIRCUIT TO REMAIN
- 2. TO BE CONNECTED WITH EXISTING SOCKET OUTLETS IN EXISTING CIRCUIT 'NOB-P1E-7'.
- 3. RECEPTACLE FOR COPIER
- 4. RECEPTACLE FOR CHROMEBOOK CHARGING CABINETS
- 5. TO BE CONNECTED WITH EXISTING SOCKET OUTLETS IN EXISTING CIRCUIT 'NOB-P1E-6'.
- 6. TO BE CONNECTED WITH EXISTING SOCKET OUTLETS IN EXISTING CIRCUIT 'NOB-P1D-2'.
- 7. TO REPLACE EXISTING RESPECTIVE CIRCUITS
- 8. TO BE CONNECTED TO AVAILABLE SPARE-WAY OF ANY OF THE INDICATED PANEL BOARDS



FLOOR PLAN
POWER LAYOUT

NOTES	
NO.	
1.	DO NOT SCALE FROM THIS DRAWING USE FIGURED DIMENSIONS ONLY.
2.	UNLESS STATED OTHERWISE, ALL DIMENSIONS TO BE IN MM.
3.	THIS DRAWING IS TO BE READ ALONG WITH OTHER DRAWINGS AS PER DRAWING LIST.
4.	STRUCTURAL ENGINEER'S APPROVAL TO BE GRANTED BEFORE CUTTING ANY FLOORS AND /OR WALLS.

REVISIONS	
REV	DATE
A	23.07.20
B	19.02.21
	DESCRIPTIONS
	DRAWING GENERALLY REVISED
	DRAWING GENERALLY REVISED

Client	UNITED STATES GOVERNMENT, U.S EMBASSY,NAIROBI.
Architects	SYMBION Office: +254-0202610891/2455071,28864549 Email: symbionkenya@symbion-ken.com WEBSITE: www.symbion-ken.com
Project	RENOVATION OF THE AMERICAN CENTRE NAIROBI (ACN)
Drg. Title	FLOOR PLAN POWER LAYOUT
Services Engineers	PERADON ASSOCIATES CONSULTING ENGINEERS P.O BOX 7375-00300 TEL:0202392117/0202392149 FAX: 0202392119 NAIROBI Email: consult@peradon.com

Scale	N.T.S	Approved	Eng. N.G
Date	FEB. 2021	Revision	B
Des.	O.O	Dwn.	W.O
Job No.	1901-07	Drg. No.	E1901-07-02

CLASSIFICATION
Sensitive but unclassified (SBU)



PROPOSED RENOVATIONS TO AMERICAN CENTRE NAIROBI (ACN)

Architectural Technical Specifications

October 2020 [Resubmission]

Work Stage: 100% Design Completion

SYMBION

TABLE OF CONTENTS

TECHNICAL SPECIFICATION

No.	Section	Issue Ref.	Issue Date
01	General Requirements		
02	Demolition		
03	Adhesives, Sealants and Fasteners		
04	Metals and Pre-finishes		
05	Glazed Partitions & Doors		
06	Acoustic Partitions & Doors		
07	Partitions – Framed and Lined		
08	Suspended Ceilings		
09	Resilient Floors Finishes		
10	Carpet Floor Finishes		
11	Joinery Work		
12	Metalwork		
13	Paint Finishes & Wall Cladding		
	Appendix		
A	Appendix A: Schedule of Finishes		
B	Appendix B: 06 Acoustic Movable Partitions 1) Acousti-Seal operable movable partition wall. 2) Acousti-Clear Automatic Seal Paired Panel.		
C	Appendix C: 08 Suspended Ceilings - acoustic ceiling tiles 1) Armstrong Optima & Ultima brochure 2) Armstrong Ultima Square Lay-In – data sheet 3) Armstrong Ultima Tegular – data sheet		
D	Appendix D: 09 Resilient Floors Finishes 1) Tarkett ICONIK 260T vinyl floor sheeting: a) Installation Instructions. b) ICONIK 260T Technical Data Sheet. c) ICONIK 260T Declaration of Performance		
E	Appendix E: 10 Carpet Floor Finishes a) Tarkett Desso Carpet Brochure – Desert. b) Tarkett Carpet Tile - Desert - Technical Data Sheet. c) Tarkett Carpet Tile - Grain - Technical Data Sheet d) Tarkett Carpets Atmos B747 9505 – Brochure extract. e) Tarkett Carpets Grain B867 9505 – Brochure extract. f) Tarkett Carpets Desert B882 8213 – Brochure extract.		

F	Appendix F: Wall Finishes 1) Claridge tack wall products 2) Filzfelt + Submaterial - Index Wide wall caldding 3) SOLYX ESX-2090 White Dry Erase film. 4) STAS Picture Hanging Systems – Clip Rail Max.		
---	---	--	--

01 GENERAL REQUIREMENTS

1.1 General

1.1.1 Responsibilities

Design

Design development: The works include development of the design beyond that documented, as required.

Design by contractor: If the contractor provides design, use only appropriately qualified persons and conform to all statutory requirements.

Conflict with the documents: If it is believed that a conflict exists between statutory requirements and the documents, notify the contract administrator immediately and provide a recommendation to resolve the conflict.

1.1.2 Precedence

General

Work sections and referenced documents:

The requirements of other work sections of the specification override conflicting requirements of this work section.

The requirements of the work sections override conflicting requirements of their referenced documents.

The requirements of the referenced documents are minimum requirements.

1.1.3 Cross References

Common requirements

Requirement: Conform to the following work sections:

Adhesives, sealants and fasteners.

Metals and pre-finishes.

Cross referencing styles - within the text:

- Work section titles are indicated by *Italicised* text.
- Subsection titles are indicated by **BOLD** text.
- Clause titles are indicated by **BOLD** text.
- Subclause titles are indicated by **Bold** text.

1.1.4 Referenced Documents

Contractual relationships

General: Responsibilities and duties of the principal, contractor and contract administrator are not altered by requirements in the documents referenced in this specification.

Current editions

General: Use referenced documents which are the editions, with amendments, current 3 months

before the closing date for quotations / tenders, except where other editions or amendments are required by statutory authorities.

Data sheets

Manufacturers data sheets forming part of this specification are current at time of the request for quotation / tender. It is the Contractor's responsibility to ensure they obtain and use the manufacturer's current data sheets at time of ordering and installation.

1.1.5 Interpretation

Documentation conventions

Imperative mood and streamlined language: The words shall or shall be are implied where a colon is used following a keyword or within a sentence or sentence fragment.

Subject of sentences and phrases: Specification requirements are to be performed by the contractor, unless stated otherwise.

Abbreviations

General: For the purposes of this specification the following abbreviations apply:

- ACN: American Cultural Centre Nairobi.
- ADA: Americans with Disabilities Act (ADA).
- ASTM International: International standards organization – formerly American Society for Testing and Materials.
- BOQ: Bills of Quantities.
- CMP: Comprehensive Maintenance Programme.
- FAR: Federal Acquisition Regulations (USG).
- HVAC: Humidity, Ventilation and Air-Conditioning.
- SOW: Scope of Work.
- SDS: Safety Data Sheets.
- USG: United States Government.
- VOC: Volatile Organic Compound.

Definitions:

General: For the purposes of this specification, the following definitions apply:

- Access for maintenance: Includes access for maintenance, inspection, measurement, operation, adjustment, repair, replacement and other maintenance related tasks.
- Approved: Approved, reviewed, directed, rejected, endorsed and similar expressions mean
- approved (reviewed, directed, rejected, endorsed) in writing by the contract administrator.
- Attendance: Attendance, provide attendance and similar expressions mean give assistance for examination and testing.
- Contractor: Contractor has the same meaning as builder and is the person or organisation bound to carry out and complete the work under the contract.
- Default: Specified value, product or installation method which is to be provided unless otherwise documented.
- Design life: The duration for which it is assumed, in the design, that an asset will be able to perform its intended purpose with only anticipated maintenance but no major repair or replacement being necessary.
- Documented: Documented, as documented and similar terms mean contained in the contract documents.
- Economic life: The period of time from the acquisition of an asset to when the asset, while still physically capable of fulfilling its function and with only anticipated maintenance, ceases to be the lowest cost alternative for satisfying that function.
- Engineer: Engineer has the same meaning as superintendent or contract administrator and is the person appointed by the owner or principal under the contract.
- Fire hazard properties: To IBC
- Give notice: Give notice, submit, advise, inform and similar expressions mean give notice (submit, advise, inform) in writing to the contract administrator.
- High level interface: Systems transfer information in a digital format using an open system interface.
- Hold point: The activity cannot proceed without the approval of the contract administrator.
- Manufacturer's recommendations: Recommendations, instructions, requirements, specifications (and similar expressions) provided in written or other form by the manufacturer and/or supplier relating to the suitability, use, installation, storage and/or handling of a product.
- Obtain: Obtain, seek and similar expressions mean obtain (seek) in writing from the contract administrator.
- Pipe: Includes pipe and tube.
- Proprietary: Proprietary means identifiable by naming manufacturer, supplier, installer, trade name, brand name, catalogue or reference number.
- Provide: Provide and similar expressions mean supply and install and include development of the design beyond that documented.

- **Prototype:** A full size mock-up of components, systems or elements to demonstrate or test construction methods, junctions and finishes, and to define the level of quality.
- **Record drawings:** Record drawings has the same meaning as as-installed drawings, as-built drawings and work-as-executed drawings.
- **Registered testing authority:** An organisation registered by the USG to test in the relevant field; or an organisation recognised as being a Registered Testing Authority under legislation at the time the test was undertaken.
- **Required:** Required by the documents, the local council or statutory authorities.
- **If required:** A conditional specification term for work which may be shown in the documents or is a legislative requirement.
- **Sample:** A physical example that illustrates products, workmanship, materials, or equipment and establish standards by which the work will be judged. It includes samples, prototypes and sample panels.
- **Statutory authority:** A public sector entity created by a specific law of the Republic of Kenya.
- **Supply:** Supply, furnish and similar expressions mean supply only.
- **Tests - completion:** Tests carried out on completed installations or systems and fully resolved before the date for practical completion, to demonstrate that the installation or system, including components, controls and equipment, operates correctly, safely and efficiently, and meets performance and other requirements. The contract administrator may direct that completion tests be carried out after the date for practical completion.
- **Tests - pre-completion:** Tests carried out before completion tests, including:
 - **Production:** Tests carried out on a purchased item, before delivery to the site.
 - **Progressive:** Tests carried out during installation to demonstrate performance in according with this specification.
 - **Site:** Tests carried out on the site.
 - **Type:** Tests carried out on an item identical with a production item, before delivery to the site.
- **Tolerance:** The permitted difference between the upper limit and the lower limit of dimension, value or quantity.
- **Verification:** Provision of evidence or proof that a performance requirement has been met or a default exists.
- **Witness points:** Provides an opportunity to attend an activity but does not involve an obligation.
- The activity can proceed without approval from the contract administrator.

1.1.6 Contract documents

Services diagrammatic layouts

General: Layouts of service lines, plant and equipment shown on the drawings are diagrammatic only, except where figured dimensions are provided or calculable.

Before commencing work:

- Obtain measurements and other necessary information.
- Coordinate the design and installation in conjunction with all trades.

Levels

General: Spot levels take precedence over contour lines and ground profile lines.

1.1.7 Submissions

Requirement

General: Submit the following, as documented:

- Authority approvals: Notes of meetings with authorities whose requirements apply to the work and evidence that notices, fees and permits have been sought and paid, that authority connections are complete and that statutory approvals by the authorities whose requirements apply to the work have been received.
- Building penetrations: Details of the methods to maintain the required structural, fire and other properties to EXECUTION, BUILDING PENETRATIONS.
- Certification: Certification of conformance to documented requirements, including certification that the plant and equipment submitted meets all requirements of the contract documents and that each installation is operating correctly.
- Design: Design data and certification of proposed work, if required and as documented.
- Execution details: Execution programs, schedules and details of proposed methods and equipment. For building services include the following:
 - Embedded services: Proposed method for embedding services in concrete walls or floors or chasing into concrete or masonry walls.
 - Fixing of services: Typical details of locations, types and methods of fixing services to the building structure.
 - Inaccessible services: If services will be enclosed and not accessible after completion, submit proposals for location of service runs and fittings.
 - Fire hazard properties: Evidence of conformance of proposed proprietary products to documented requirements for fire hazard properties.
 - Marking and labelling: Samples and schedules of proposed marking and labels to EXECUTION, MARKING AND LABELLING.
 - Operation and maintenance manuals: For the whole of the work to EXECUTION, OPERATION AND MAINTENANCE MANUALS.
 - Products: Products and materials data, including manufacturer's technical specifications and drawing, evidence of conformance to product certification

schemes, type test reports, performance and rating tables and installation and maintenance recommendations.

- Prototypes: Prototypes of components, systems or elements.
- Records: As-built documents, photographs, system diagrams, schedules and logbooks to EXECUTION, RECORD DRAWINGS.
- Samples: Representative of proposed products and materials and including proposals to incorporate samples into the works, if any to EXECUTION, SAMPLES.
- Shop drawings: To EXECUTION, SHOP DRAWINGS.
- Substitutions: To PRODUCTS, GENERAL, Substitutions.
- Tests:
 - Inspection and testing plan consistent with the construction program including details of test stages and procedures.
 - Certificates for type tests.
 - Test reports for testing performed under the contract to EXECUTION, **TESTS**.
- Warranties: To EXECUTION, **WARRANTIES**.

Contractor review: Before submissions, review each submission item and check for coordination with other work of the contract and conformance to contract documents.

Submit to: Contracting Office Representative (COR).

Submission times

Duration for submissions before ordering products or starting installation of the respective portion of the works, as prescribed in the contract.

Submission response times: Allow in the construction program for at least the following times:

- Shop drawings: 10 days
- Samples and prototypes: 10 days
- Manufacturers' or suppliers' recommendations: 5 days
- Product data: 5 days
- Product/design substitution or modification: 10 days

Proposed products schedules: If major products are not specified as proprietary items, submit a

schedule of those proposed for use within 3 weeks of site possession.

Identification

Requirement: Identify the project, contractor, subcontractor or supplier, manufacturer, applicable product, model number and options, as appropriate and include relevant contract document references. Include service connection requirements and product certification.

Non-conformance: Identify proposals for non-conformance with project requirements, and characteristics which may be detrimental to successful performance of the completed work.

02 DEMOLITION

2.1 General

2.1.1 Responsibilities

General

Requirement: Carry out demolition, as documented.

2.1.2 Cross references

General

Requirement: Conform to the following work section(s):

- General requirements.
- Building Services

2.1.3 Standard

General

Demolition: To prescribed standards.

2.1.4 Interpretation

Definitions

General: For the purposes of this work section, the following definitions apply:

- Demolition: The complete or partial dismantling of a building or structure, by pre-planned and controlled methods or procedures.
- Dilapidation record: The photographic or video and written record made before commencement of demolition work of the condition of adjacent buildings, and other relevant structures or facilities.
- Dismantle: The reduction of an item to its components in a manner to allow re-assembly.

2.1.5 Submissions

Hazardous materials

Audit: Prepare a Hazardous substances management plan. Include the following:

- Asbestos or material containing asbestos.
- Flammable or explosive liquids or gases.
- Toxic, infective or contaminated materials.
- Radiation or radioactive materials.
- Noxious or explosive chemicals.
- Tanks or other containers which have been used for storage of explosive, toxic, infective or contaminated substances.

Investigation and work plan

Work plan: Submit the work plan before demolition or stripping work. Include the following information:

- The method of protection and support for adjacent spaces.
- Locations and details of necessary service deviations and terminations.
- Confirmation of the sequence of work.

Off-site disposal

Disposal location: Submit the locations and evidence of compliance with the relevant authorities for the disposal of material required to be removed from the site.

Records

Dilapidation record: Submit a copy of the dilapidation record for inspection before commencement of demolition.

2.1.6 Inspection

Notice

Inspection: Give notice so that inspection may be made of the following:

- Adjacent structures before commencement of demolition.
- Services before disconnection or diversion.
- Site after removal of demolished materials.
- Services after reconnection or diversion.

2.2 Products

2.2.1 Demolished materials

Demolished material classes table:

Class	Requirement	Ownership
Demolished material for recycling off site.	Demolish and deliver for recycling material identified for recycling off-site.	Contractor
Demolished for removal	Remove from the site demolished materials identified for removal. Do not burn or bury on site. Transit: Prevent spillage of demolished materials in transit in accordance to statutory regulations.	Contractor

2.3 Execution

2.3.1 Support

Permanent supports

General: If permanent supports for adjacent structures are necessary and are not documented, give notice and obtain instructions.

2.3.2 Protection

Encroachment

General: Prevent the encroachment of demolished materials onto adjoining spaces, especially the Chancery entrance lobby.

Dust protection

General: Provide dust-proof screens, bulkheads and covers to protect existing finishes and the immediate environment from dust and debris.

Existing services

Location: Before commencing demolition, locate and mark existing underground services in the areas which will be affected by the demolition operations.

2.3.3 Demolition – Building Works

Dilapidation record

Purpose: Use the dilapidation record to assess the damage and rectification work arising out of demolition work.

Availability: Keep the records of the investigations on site and available for inspection until the date of practical completion of the contract.

2.3.4 Demolition – building services

General

Requirement: Decommission, isolate, demolish and remove from the site all existing redundant equipment including associated components that become redundant as a result of the demolition.

Breaking down: Disassemble or cut up equipment where necessary to allow removal.

Recovered materials: Recover all components associated with the listed items. Minimise damage during removal and deliver to the locations scheduled.

2.3.5 Hazardous materials

Hazardous materials removal

Standard: To IBC.

2.3.6 Completion

Notice of completion

General: Give at least 7 working days' notice of completion of demolition so that adjacent structures may be inspected following completion of demolition.

Rectification: Repair any damage arising out of demolition work.

03 ADHESIVES, SEALANTS AND FASTENERS

3.1	General	
3.1.1	General requirement:	Provide adhesives, sealants and fasteners, as documented.
	Performance Requirement:	
	1. Fitness for purpose:	Capable of transmitting imposed loads, sufficient to make sure the rigidity of the assembly, or integrity of the joint.
	2. Finished surface:	That will not cause discolouration.
	3. Compatibility:	Compatible with the products to which they are applied.
	4. Sealant replacement:	Capable of safe removal without compromising the application of the replacement sealant for future refurbishment.
	5. Movement:	If an adhered or sealed joint is subject to movement, select a system certified to accommodate the projected movement under the conditions of service.
	6. Fasteners:	Accredited for the particular use, capable of transmitting imposed loads and maintaining the rigidity of the assembly.
3.1.2	Submissions	
	Samples	
	Visible joint sealants:	Submit colour samples.
	Technical data	
	Sealants:	Submit technical data sheets.
	Tests	
	Compatibility testing:	Submit adhesion and compatibility testing data demonstrating that adhesive, sealant or fastener is compatible with materials to be fixed and is suitable for the project conditions.
	Warranties	
	Manufacturer's warranty:	Submit the manufacturer's published product warranties.
3.2	Products	
3.2.1	Adhesives	
	Standards	IBC & ASTM standards.
		Mastic adhesive: To applicable standards.
	VOC limits	To applicable standards.
	Tests	
	Compliance testing:	To South Coast Air Quality Management District (AQMD) (California, U.S.) – Rule 1168.
	High strength adhesive tape	General description: A foam of cross-linked polyethylene or closed cell acrylic coated both sides with a high performance acrylic adhesive system, encased in release liners of paper or polyester.
	Product classification:	Select tape to suit substrate as follows:
		Firm high strength foam tapes: For high energy surfaces including most bare metals such as stainless steel and aluminium.
		Conformable high strength foam: For the following:
		• Medium energy surfaces including many plastics and paints, and bare metals. • Lower energy surfaces including many plastics, most paints and powder coatings, and bare metals.

	Thickness:	Select the tape to make sure a mismatch between surfaces does not exceed half the tape thickness under the applied lamination pressure.
3.2.2	Sealants	
	Standards	General: To ISO 11600.
	VOC limits	Compliance testing: To AQMD Rule 1168.
		Architectural sealants: 250 g/litre.
3.2.3	Fasteners	
	General	Masonry anchors: Proprietary expansion or bonded type anchors conforming to SELECTIONS, ANCHORS .
		Plain washers: To ISO 887.
		☐ Provide washers to the heads and nuts of bolts, and the nuts of coach bolts. Plugs: Proprietary purpose-made plastic.
		Powder-actuated fasteners: to applicable standard.
		Stainless steel fasteners: To ASTM A240/A240M.
		Steel nails: to applicable standard.
		Length: At least 2.5 times the thickness of the member being secured, and at least 4 times the thickness if the member is plywood or building board less than 10 mm thick.
		Unified hexagon bolts, screws and nuts: to applicable standard.
		Fasteners in CCA treated timber: Epoxy coated or stainless steel.
	Bolts	Coach bolts: To applicable standard.
		Hexagon bolts to applicable standard.
	Corrosion resistance	
	Atmospheric corrosivity category:	To the <i>General requirements</i> work section.
	Steel products:	Conform to the Corrosion-resistance table or provide proprietary products with metallic and/or organic coatings of equivalent corrosion-resistance.
	Finishes	
	Electroplating:	Metric thread: to applicable standard. Imperial thread: to applicable standard.
	Galvanizing:	Threaded fasteners: To ISO 1461. Other fasteners: to applicable standard.
	Mild steel fasteners:	
	Galvanize if:	Embedded in masonry.
	Nuts	
		Hexagon nuts to applicable standard.
	Screws	
	Coach screws:	To applicable standard.
	Hexagon screws:	to applicable standard.
	Machine screws:	to applicable standard.
	Self-drilling screws:	to applicable standard.
	Self-tapping screws:	to applicable standard.
	Blind rivets	
	Description:	Expanding end type with snap mandrel.
	Type:	Closed end for external application, open end for internal application.
	End material:	- Aluminium base alloy for metallic-coated or pre-painted steel. - Stainless steel for stainless steel sheet.

		• Copper for copper sheet.
	Size:	• For sheet metal to sheet metal: 3 mm. • For sheet metal to supports, brackets and rolled steel angles: 4.8 mm.
	Performance	Loads: Provide fasteners capable of transmitting the loads imposed, and sufficient to make sure the rigidity of the assembly.
3.3	Execution	
3.3.1	Adhesives Requirement:	Install to the manufacturer's recommendations.
	Preparation	
	Substrates:	Conform to the following:
		• Remove any deposit or finish which may impair adhesion. • If framed or discontinuous, provide support members in full lengths without splicing. • If solid or continuous, remove excessive projections. • If previously painted, remove cracked or flaking paint and lightly sand the surface.
	Contact adhesive	
	Precautions:	Do not use contact adhesive if: • A substrate is polystyrene foam. • A PVC substrate may allow plasticiser migration. • The adhesive solvent can discolour the finished surface.
	Two-way method:	Immediately after application, press firmly to transfer adhesive and then pull both surfaces apart. Allow to tack off and then reposition and press firmly together. Tap areas in contact with a hammer and padded block.
	One-way method:	Immediately after application, bring substrates together and maintain maximum surface contact for 24 hours by clamps, nails or screws as appropriate. If highly stressed, employ permanent mechanical fasteners.
	High strength adhesive tape	
	Preparation:	1. <u>Non-porous surfaces</u>: Clean with surface cleaning solvents such as isopropyl alcohol/water, wash down and allow to dry. 2. <u>Porous surfaces</u>: Prime the surface with a contact adhesive compatible with the tape adhesive system.
		Follow the recommendations of the manufacturer for application to the following: Copper, brass, plasticised vinyl and hydrophilic surfaces such as glass and ceramics in a high humidity environment.
	Applied lamination pressure:	Make sure the tape experiences 100 kPa.
	Application temperature:	To be generally above 10°C, consult the manufacturer.
	Completion:	Do not apply loads to the assembly for 72 hours at 21°C.
3.3.2	Joint sealing	
	General requirement:	Install to the manufacturer's recommendations.
	Joint preparation	
	Cleaning:	Cut flush joint surface protrusions and rectify if required. Mechanically clean joint surfaces free of any deposit or finish which may impair adhesion of the sealant. Immediately before sealant application, remove loose particles from the joint, using oil-free compressed air.

	Bond breaking:	Install bond breaking backing material.
	Taping:	Protect the surface on each side of the joint using 50 mm wide masking tape or equivalent means. On completion of sealant application, remove the tape and remove any stains or marks from adjacent surfaces.
	Primer:	Apply the recommended primer to the surfaces in contact with sealant materials.
	Sealant application	
	General:	Apply the sealant to dry joint surfaces using a pneumatic applicator gun. Make sure the sealant completely fills the joint to the required depth, provides good contact with the full depth of the sides of the joint and traps no air in the joint. Do not apply the sealant outside the recommended working time for the material or the primer.
	Rectification	General: Cut out and remove damaged portion of joint sealant and reinstall so repaired area is indistinguishable from undamaged portion.
3.3.3	Fasteners	
	General Requirement:	Install to the manufacturer's recommendations.
	Fastening to wood and steel	
	Timber substrates:	to applicable standard.
	Self-drilling screws:	to applicable standard for timber and steel substrates.
	Masonry anchors	
	Installation:	To the manufacturer's recommendations.

04 METALS AND PRE-FINISHES

4.1	General Requirements	Provide metal and pre-finishes as documented.
	Performance Requirement:	Provide metals in sections of strength and stiffness suited to their required function, finish and method of fabrication.
4.1.1	Submissions	
	Samples	Submit samples of the following:
		Stainless steel: One sample of every documented surface finish. Anodising: One sample of every colour and finishing option.
4.2	Products	
4.2.1	Metals	
	Aluminium and aluminium alloys	Drawn pipe: To ASTM standards. Drawn rod, bar and strip: To ASTM standards. Extrusions: To ISO 6362. Plate and sheets: To ASTM standards.
	Coated steel	
	Electrogalvanized coated:	Electrogalvanized (zinc) coating on ferrous hollow and open sections: To ASTM standards.
	Metallic-coated:	Steel coated with zinc or aluminium-zinc alloy as follows: • Ferrous open sections by an in-line process: To ASTM standards. • Ferrous hollow sections by a continuous or specialised process: To ASTM standards. • Metallic-coated steel sheet: To ASTM standards. Metal thicknesses specified are base metal thicknesses.
	Steel wire:	To ASTM standards.
	Stainless steel	
		• Bars: To ASTM A276/A276M standard. • Plate, sheet and strip: To ASTM A240/A240M. • Welded pipe (plumbing applications): To ASTM standards. • Welded pipe (round, square, rectangular): To ASTM A554.
	Steel	
		Sheet: To ASTM standards.
		Structural bars and sections: To ASTM standards.
		Structural hollow section: To ASTM standards.
	Steel for pre-finishes	
		Cold rolled bar: To ASTM standards.
		Cold rolled sheet: To ASTM standards.
		Electric resistance welded tube: To ASTM standards.
4.3	Execution	
4.3.1	General execution	
	Metal separation	
	Incompatible sheet metals:	Provide separation by one of the following:

		☑ Apply an anti-corrosion low moisture transmission coating such as alkyd zinc phosphate primer or aluminium pigmented bituminous paint to contact surfaces. ☑ Insert a concealed separation layer such as polyethylene film, adhesive tape, or bituminous felt.
	Incompatible sheet metals:	Do not use.
	Incompatible service pipes:	Install lagging or grommets. Do not use absorbent, fibrous or paper products.
	Brazing	
	General:	Make sure brazed joints have sufficient lap to provide a mechanically sound joint.
	Butt joints:	Do not use butt jointing for joints subject to load. If butt joints are used, do not rely on the filler metal fillet only.
	Finishing	
	Visible joints:	Finish visible joints made by welding, brazing or soldering using methods appropriate to the class of work (including grinding or buffing) before further treatment such as painting, galvanizing or electroplating. Make sure self-finished metals are without surface colour variations after jointing.
	Preparation	
	General:	Before applying decorative or protective pre-finishes to metal components, complete welding, cutting, drilling and other fabrication, and prepare the surface using a suitable method.
	Standard:	To ASTM standards series.
	Priming steel surfaces:	If site painting is documented to otherwise uncoated mild steel or similar surfaces, prime as follows: • After fabrication and before delivery to the works. • After installation, repair damaged priming and complete the coverage to unprimed surfaces.
	Welding	
	Aluminium:	To ASTM standards.
	Stainless steel:	To ASTM standards.
	Steel:	To ASTM standards..
	Stainless steel finishes	
	General	
	Requirement:	Provide a surface finish to match the approved sample.
	Pre-assembly	
	Mechanically polished and brushed finishes:	Apply grit faced belts or fibre brushes that achieve unidirectional finishes with buffing, as required to provide the following:
		<u>Finish designation: No.4 Brushed</u> Bead blasted finish: Provide a uniform non-directional low reflective surface by bead blasting. Do not use sand, iron or carbon steel shot. Blast both sides of austenitic grades of stainless steel to equalize induced stress.

	Post-assembly pre-treatment	
	Heat discolouration:	Remove by pickling.
	Welds:	Grind excess material, brush, and polish to match the pre-assembly finish.
	Post-assembly finish	
	Brushed electropolish finish:	Conform to the following: - Pre-assembly finish: No. 4 brushed finish. - Post-assembly finish: Provide an electro-chemical processed finish to achieve a No. 7 to No. 8 brushed finish.
	Mirror electropolish finish:	- Pre-assembly finish: Mill finish 2B or mirror polished finish. - Post-assembly finish: Provide an electro-chemical processed finish to achieve a No. 8 mirror finish.
	Completion	
	Cleaning:	Clean and rinse to an acid free condition and allow to dry. Do not use carbon steel abrasives or materials containing chloride.
	Protection:	Secure packaging or strippable plastic sheet.
4.3.3	Electroplating	
	Electroplated coatings	Chromium on metals: To AS 1192.
4.3.4	Anodising	
	General Standard:	To ASTM and IBC standards.
	Thickness grade:	As specified
	Application:	Refer to drawings for locations
	Description:	Interior: Mild – min 10 µm
	Colour:	Refer to Exterior and Interior Finishes Schedules
	Finish:	Internal: Satin
	Warranty:	Minimum 20 years
	Sample	
	General:	Provide a finish to match the sample in terms of colour and finishing options.
4.3.6	Metal spraying	
	Metal spray Standard:	To ISO 2063.
	Minimum thicknesses:	☑ Indoor applications: 125 µm.
	Process:	Electric arc.
	Seal coat:	Cover the metal spray finish with two coats of vinyl seal to a total dry film thickness of 80 µm.
4.3.7	Pre-painting	
	Air-drying enamel	
	Application:	Spray or brush.
	Finish:	Full gloss.
	General use:	- Primer: Two-pack epoxy primer to IBC and ASTM standards. - Top coats: 2 coats to ASTM standards.
	Pre-painted metal products	
	Standard:	To ASTM standards.
4.3.8	Completion	

	Damaged pre-finishes:	Remove and replace items, including damage caused by unauthorised site cutting or drilling.
	Repair Metallic-coated sheet:	If repair is required to metallic-coated sheet or electro-galvanizing on inline galvanized steel products, clean the affected area and apply a two-pack organic primer to applicable standard.

05 GLAZED PARTITIONS AND DOORS

5.1	General Requirements	Provide windows and glazed doors, as documented
	Performance Requirement:	Safety qualities properties as documented.
5.1.1	Standards	
5.1.2	Submissions	
	Certification	
	Sealant compatibility:	Submit statements from all parties to the installation certifying the compatibility of sealants and glazing systems to all substrates
	Safety glazing:	Submit manufacturer's certificate confirming that the glass meets the safety and performance specifications required.
	Samples	
	Glass partition and door framing:	Submit the following:
		• Accessory and hardware items documented descriptively or by performance (i.e. not documented as proprietary items) including locks, latches, handles, catches, anchor brackets and attachments. • Colour samples of pre-finished production material (e.g. anodised or organic coated extrusions and sheet), showing the limits of the range of variation in the selected colour. • Joints made by proposed techniques. • Sections proposed to be used for frames and sashes. • Label each sample, giving the series code reference and date of manufacture.
	Shop drawings	
	Submit shop drawings.	Shop drawing to a scale that best describes the detail, showing the following: a) Full size sections of members. b) Hardware, fittings and accessories including fixing details. c) Junctions and trim to adjoining surfaces. d) Layout (sectional plan and elevation) of the window assembly. e) Lubrication requirements (for sliding gear). f) Methods of assembly. g) Methods of installation, including fixing, caulking and flashing. h) Method of glazing, including the following: • Rebate depth. • Edge restraint. • Clearances and tolerances. • Glazing gaskets and sealant beads.

	Subcontractors	Submit names and contact details of proposed manufacturers and installers.
	Warranties	Submit warranties as documented.
5.1.3	Inspection	
	Inspection notice:	Give notice so that inspection may be made of the following: • Openings prepared to receive glass partitions and doors (where glass partitions and doors are to be installed in prepared openings). • Fabricated glass partitions and doors assemblies at the factory ready for delivery to the site. • Fabricated glass partitions and doors assemblies delivered to the site, before installation. • Commencement of glazed partitions and doors installation. • Glass products before they are installed.
5.2	Products	
5.2.1	Aluminium extrusions	
	Standards – Aluminium extrusions:	To standards.
	Profile:	As documented.
5.2.2	Glass	
	Requirement:	Provide glazing, as documented.
	Performance:	Safety as documented.
	Reference Standards:	
	IBC 2403	General requirements for glass.
	IBC 2406	Safety glazing - Laminated glass and laminated safety glass.
	Submission Samples:	Submit samples of glazing materials, each at least 200 x 200 mm, showing specified visual properties.
	Warranties:	• Glazing subcontractor's warranty: Provide an undertaking conditional only on compliance with the manufacturers' recommendations for maintenance, to repair or replace glass and glazing materials That become defective or prove unsuitable for the nominated application; during the warranty period. • Toughened glass warranty: Provide a manufacturer's warranty certifying that toughened glass supplied for use has been subjected to a heat soaking process to applicable standards.
5.2.3	Glazing materials	
	General glazing materials:	Provide including putty, glazing compounds, sealants, gaskets, glazing tapes, spacing strips, spacing tapes, spacers, setting blocks and compression wedges appropriate for the conditions of application and the required performance.
	Compounds, sealants and tapes:	
	Glazing tapes:	To AAMA 800, specifications 804.3, 806.3, or 807.3, as applicable.

	Glazing compounds:	To AAMA 800 specification 802.3 (Types I or II), or 805.2, as applicable
	Narrow joint seam sealer:	To AAMA 800 specification 803.3.
	Non-drying sealant:	To AAMA 800 specification 809.2.
	Expanded cellular glazing tape:	To AAMA 800 specifications 810.1.
	Jointing materials	
	Requirement:	Provide jointing and pointing materials to manufacturer's recommendations which are compatible with each other and with the contact surfaces and non-staining to finished surfaces.
	Elastomeric sealants	
		Sealing compound (polyurethane, polysulfide, acrylic): To ASTM C920 or ISO 11600.
		Sealing compound (silicone): To ASTM C920 or ISO 11600.
		Sealing compound (butyl): To ASTM C1311.
	Priming Application:	Apply the manufacturer's recommended primer to the surfaces in contact with sealant materials.
5.2.4	Aluminium Frame Finishes	
	Anodised	
	Standard:	To BS EN 12373-2001.
	Thickness:	≥ 15 microns to 20 microns.
	Colour:	Refer to Finishes Schedules
5.2.5	Ancillary Materials	
	Extruded gaskets and seals:	Non-cellular (solid) elastopressive seals as follows:
		- Flexible polyvinyl chloride (PVC): To standards, 100% solids with high consistency, ultraviolet stabilised. - Rubber products (neoprene, ethylene propylene diene monomer (EPDM) or silicone rubber): To standards.
	Nylon brush seals:	Dense nylon bristles locked into galvanized steel strips and fixed in a groove in the edge of the door or in purpose-made anodised aluminium holders fixed to the door with double sided PVC foam tape.
5.2.6	Hardware	
	Hardware documented generically:	Provide hardware of sufficient strength and quality to perform its function, appropriate to the intended conditions of use, compatible with associated hardware, and fabricated with fixed parts firmly joined.
	Locks and latches	All stainless steel finish.
	Locks & flush bolts	'Hafele' cylinder locks.
	Door control (door closer):	'Briton 2003'
	Door furniture:	Pull handles 'Hafele'
5.2.7	Keying:	
	Doors:	Integrated to existing master key system, to approval of the US Embassy Facility Management Office.
	Labelling:	Supply each key with a purpose-made plastic or stamped metal label legibly marked to identify the key, attached to the key by a metal ring.
	Casework:	Pin tumbler dead bolt locks 'Hafele'.

5.2.8	Glazing Film	Custom printed glazing film. Refer to drawings and Interior Finishes Schedule.
5.3	Completion	
5.3.1	Hardware	Adjustment: Leave the hardware with working parts in working order, and clean, undamaged, properly adjusted, and lubricated where appropriate.
5.3.2	Keys	Contractor's keys: Immediately before the date for practical completion, replace cylinders to which the contractor has had key access during construction with new cylinders which exclude the contractor's keys.
		Key codes: Submit the lock manufacturer's record of the key coding system showing each lock type, number and type of key supplied, key number for re-ordering, and name of supplier.
5.3.3	Maintenance manuals	
	Sliding & folding doors:	Submit the window and glazed door manufacturer's published instructions for operation, care and maintenance.
	Hardware:	Submit the manufacturer's published recommendations for use, care and maintenance.
5.3.4	Warranties	Hardware: Submit the manufacturer's published product warranties.

06 ACOUSTIC PARTITIONS & DOORS

6.1	General	
6.1.1	General Responsibilities	
	Requirement:	Provide acoustic doors, frames, doorsets, as documented.
	Handing:	Before the supply of hardware items, verify the correct handing on site.
	Installation:	To the manufacturer's instructions and to fulfill warranty requirements.
	Operation:	Ensure working parts are accurately fitted to smooth close bearings, without binding or sticking, free from rattle or excessive play, lubricated where appropriate to the manufacturer's instructions.
6.1.2	Submissions	
	Maintenance manuals:	Recommendations: Submit manufacturer's published recommendations for service use.
	Samples:	Submit samples as follows: • Colour / finish range from prefinished production material. • Door manufacturer's standard hardware items.
	Certification:	Certification: Submit accredited structural engineering certification AND door manufacturer's performance compliance certificate.
6.1.3	Inspection	Give notice so that inspection may be made of the following: • Door frames in place before installing leafs. • After leaf installation, before fixing trim.
6.1.4	Warranty	Provide manufacturer's warranty for product and installation.
6.2	Products	
6.2.1	Location	Refer to drawings.
6.2.2	Product selection	Refer to drawings and Appendix B.

07 PARTITIONS – FRAMED AND LINED

7.1	General	
7.1.1	Requirements	
	General Requirement:	Provide internal framed and lined partition systems, as documented.
	Performance	Strength and stability: To remain stable, and without rattle and signs of deflection or permanent deformation under normal conditions of use, including the slamming of doors.
7.1.2	Tolerances	Flatness, twist, winding and bow: Maximum 1.5 mm deviation from a 1.5 m straightedge placed in any position.
7.1.3	Submissions	
	Certification:	Submit a certificate from an independent testing authority showing that the partition systems conform to the specification.
	Products:	Submit manufacturer's standard product literature for documented framing, lining materials, fire-resisting and acoustic insulation, joint treatment, and accessories.
	Samples:	Submit samples of the following: • Samples at least 100 mm long of each structural section, and each moulding, cover strip, edge trim and bead. • Sealants to be used for acoustic rating purposes. • Sections proposed for wall angles and trim. • Plasterboard 1000 x 1000 including edge finish.
7.1.4	Inspection	
	Inspection:	Give notice so that inspection may be made of the following: • Set-out before installation. • Partition framing before installation of linings and finishes. • Partitions ready to receive framed and glazed components.
7.2	Products	
7.2.1	Wall framing Light Steel Frames	
	General:	Proprietary framing system of metallic-coated folded steel strip lipped studs and channel section top and bottom tracks and noggings.
	Finish:	Hot dip zinc coating.
		Non-load bearing stud framing system cold formed galvanised steel.
7.2.2	Lining	Standard gypsum plasterboard as documented.
	Thickness:	12.5mm
	Edge:	Tapered.
	Finish:	Skimcoat with paint finish or vinyl finish as applicable (refer to detail drawings).
7.2.3	Skirting	Refer to finishes schedule.
7.3	Execution	
7.3.1	Preparation General:	• Prepare the substrate to receive the partitions.

		Protect existing work from damage during the installation and rectify any damage. Provide temporary coverings if required.
7.3.2	Partitions installation:	
	General:	- Install partitions plumb, level, on their correct alignment, and firmly fixed. - Provide clearances or deflection heads so that partitions are not damaged by structural building movements including long term slab deflection. - If fire-resistance or acoustic properties are required, provide a resilient foam or mastic seal having properties equal to those required for the partition. - Do not run or fix partitions framing across control joints.
7.3.3	Light Steel Frames installation	
	Generally, for tracks:	- Fix bottom tracks to floor substrate. - Fix top wall tracks to suspended ceiling grid or as documented. - Fix deflection head tracks to the structural soffit above.
	Generally, for stud framing:	- Provide studs in single lengths without splices. Rotate intermediate studs into tracks for - friction fixing. Screw fix jamb studs, corner studs and wall intersection studs to tracks. - Fix noggings at 1350 mm maximum centres vertically and as required for skirtings. - Make sure that faces of noggings and studs are accurately aligned.
	Lintels:	Install a stiffened top plate lintel for spans of 1800 mm or greater.
	Stud spacing	- Conform to the sheeting manufacturer's printed handbook. Space the studs as required by the lining, but in any case, at 600 mm maximum centres. - Verify stud spacing and locations to suit wall mounted fixtures and fittings such as shelf stripping, electrical fixtures etc. Co-ordinate with electrical trades.
	Jambs	General: Install boxed double studs at jambs and heads to all openings.
	Additional frame support	Provide frame support for fixing the following: - Floor mounted fixed joinery units and furniture. - Wall mounted televisions / screens.
	Stud stiffening:	Provide stud stiffening to support wall hung joinery units with: - Full height close fitting timber inserts. - Boxed steel lipped studs.
7.4	Standards	
	Light Gauge Steel Studs	ASTM A653
	Cold Formed Metal Framing.	ASTM A653

08 SUSPENDED CEILINGS

8.1	General	
	Requirement:	Provide suspended ceilings as documented, and consistent in finish treatment.
8.2	Tolerances	
	Suspension system:	Flatness, twist, winding and bow: 1.5 mm deviation from a 1.5 m straightedge placed in any position.
8.3	Submissions	
	Drawings:	Set-out drawings: Submit proposed set-out, indicating cut ceiling units if any, before installation. Coordinate with plenum services layouts, building structure and other factors impacting on the layout.
	Maintenance manuals:	On completion, submit manufacturer's recommendations for the care and maintenance of the ceiling, and operating instructions for demounting, if applicable.
	Prototypes / mock-ups	Provide a prototype of the ceiling system, including at least one example of each of the specified components, including services terminals, Size: 4m ² , as located by architect.
	Samples:	Submit samples as follows: • Suspension system: Sections proposed for the suspension system, including suspension rods, clips, wall angles and trim. • Ceiling material: Lining and ceiling units, showing the extremes and mean of variation in colour, pattern, or texture of the proposed finish. • Methods: Methods of jointing, fixing, height adjustment, retaining and removing ceiling units.
	Tests:	Type tests: Submit results, as follows: • Fire hazard properties. • Fire-resistance level.
8.4	Inspection:	
		Give notice so that inspection may be made of the following: • The suspension system before the installation of ceiling units or lining. • The ceiling assembly before the installation of fittings and site painting, if applicable. • The completed ceiling.
8.5	Products	As documented in finishes schedule, as follows:
	C1	Gypsum plaster board ceiling system consisting of 12.5 mm thick gypsum board fixed to proprietary galvanized light gauge steel bracing ceiling framework, suspended from the building structural members. Gypsum board fixed with recommended fasteners and scrim tape to all joints, and

		coated with one layer of gypsum skim coat, primed and painted.
	C2	Gypsum plaster board ceiling system consisting of 12.5 mm thick gypsum board fixed to proprietary galvanized light gauge steel brander ceiling framework, suspended from the building structural members. Gypsum board fixed with recommended fasteners and scrim tape to all joints, and coated with one layer of gypsum skim coat, primed and painted.
	C3	'Armstrong' 1800 x 600mm x 25mm thick acoustic ceiling tile, with square tegular/reveal edge profile; acoustic performance - NRC (0.90-1.00). Fire Performance - ASTM E84 and CAN/ULC S102 surface burning characteristics (UL labeled). Suspension grid: laid on existing suspension grid. 'Optima Square Tegular' Item. No. 3261
	C4	Gypsum plaster board ceiling system consisting of 12.5 mm thick gypsum board fixed to proprietary galvanized light gauge steel brander ceiling framework, suspended from the building structural members. Gypsum board fixed with recommended fasteners and scrim tape to all joints, and coated with one layer of gypsum skim coat, primed and painted. Colour: Black - Matt finish.

09 RESILIENT FLOOR FINISHES

9.1	General	
	Requirement:	Provide resilient floor finishes to substrates, as documented.
9.2	Submissions	
	Manufacturer's data:	Submit the manufacturer's product data for each type of finish, and the manufacturer's recommendations for its application in the project including, if relevant, the following: • Thickness and width of sheet or size of tile. • Adhesive and jointing method. • Resistance to wear, indentation, chemicals, light and fire. • Flexibility and bending strength.
	Maintenance manuals:	On completion, submit manufacturer's recommendations for the care and maintenance of the flooring.
	Prototypes / mock-ups	Provide a prototype of the floor sheeting, size: 1m², as located by architect. Trial set-out: Prepare a trial set-out before fixing.
	Samples:	Submit labelled samples of resilient finishes illustrating the range of colour, pattern or texture of the product. Sample to include welded joint of minimum 300mm long.
	Tests:	Type tests: Submit results, as follows: • Manufacturer's type tests showing that materials conform to cited standards. • Slip resistance of resilient finishes. • Fire hazard properties. • Fire-resistance level.
9.3	Substrate acceptance	
	Applicator:	Submit the installer's certification of the acceptability of the flooring substrate before commencing installation.
9.4	Adhesives	
	Requirement:	To the resilient finishes manufacturer's recommendations.
	Sheets and Tiles	
	Edges of sheets and tiles	Make sure edges are firm, unchipped and machine-cut accurately to size and square to the face, and that tile edges are square to each other.
9.5	Execution:	
9.5.1	Requirement:	Use specialist installers recommended by the materials manufacturers.
9.5.2	Substrate preparation:	Do not start installation of the resilient finish until the concrete / cement substrate conforms to the adhesive and resilient finish manufacturers' recommendations.
9.5.3	Surface treatments:	Mechanically remove the following surface treatments: • Sealers and hardeners. • Curing compounds. • Surface coatings and contamination.
	Cleaning:	Remove loose materials or dust.

9.5.4	Sheet installation:	
	Sheet set-out:	- Set out sheets to give the minimum number of joints. Position joints away from areas of high stress. - Run sheet joints parallel with the long sides of floor areas.
	Welded joints:	Weld edges together in accordance with manufacturer's instructions.
	Non-welded joints:	Butt edges together to form tight neat joints showing no visible open seams.
	Rolling:	If rolling is required, roll the finish in multiple directions before the adhesive sets.
	Change of finish:	Maintain finished floor level across changes of floor finish including carpet.
	Accessories:	- Provide purpose-made matching moulded accessories for nosings, coves, skirtings, edge cover strips and finishes at junctions, margins, and angles, if available. Otherwise, form accessories from the sheet material. - Provide solid backing for radiused coves and nosings.
	Edge trims:	Provide edge trims at junctions with different floor finishes and to exposed edges.
9.6	Inspection:	
		Give notice so that inspection may be made of the following: - Substrate immediately before fixing resilient finishes or underlay. - Completed installation.
9.7	Warranties	
	Requirement:	For each type of resilient finish specified, submit the manufacturer and installer's warranty of the material, workmanship and application.
9.7	Completion:	
9.7.1	Manufacturer's manual:	Submit manufacturer's published use, care and maintenance requirements for each type of finish.
9.7.2	Spare materials:	Supply spare matching resilient finishes and accessories of each type for future replacement purposes. Store the spare materials on site where directed. Quantity: as documented.
9.8	Products & selections	As documented in finishes schedule, and as follows:
	RF1 – Vinyl flooring	"ICONIK 260T" vinyl floor sheeting in wood look colour and texture finish as supplied by Tarkett: include for fixing with proprietary, adhesive: jointed to manufacturer's specifications: incorporating proprietary, PVC spacers and expansion joint as necessary. https://professionals.tarkett.com/en_EU/collection-C001902-iconik-260t/french-oak-light!
	RF1 - Vinyl flooring (Alternative)	"Rejuvenations Timberline", Maple Lane Honeycomb 37525, with 'Diamond 10 Tech Coating' vinyl floor sheeting in wood-look 'Honeycomb' colour and texture finish, as supplied by Armstrong Flooring, Armstrongs World

		Industries, incorporating proprietary, pvc spacers and expansion joint as necessary.
--	--	--

10 CARPET FLOOR FINISHES

10.1	General	
	Requirement:	Provide carpets to substrates, as documented and as follows: - To remain secure and consistently smooth for the warranted life of the carpet under normal use conditions. - To form the pattern required.
10.2	Submissions	
	Manufacturer's data:	Submit the manufacturer's product data for each type of carpet finish, and the manufacturer's recommendations for its application in the project including, if relevant, the following: - Thickness and width of sheet or size of carpet tile. - Adhesive and jointing method. - Resistance to wear, indentation, chemicals, light and fire.
	Maintenance manuals:	Submit maintenance manuals with the following: - A technical specification of the carpet installation. - The manufacturer's recommendations for use, care and maintenance of the carpet. - The names and addresses of the suppliers and manufacturers of each component.
	Prototypes / mock-ups	- Provide a prototype of the floor sheeting, size: 1m² as located by architect. - Trial set-out: Prepare a trial set-out before fixing. - Penetrations: If required, submit one production carpet sample with a penetration access cut as specified.
	Samples:	Submit labelled samples of carpet finishes illustrating the range of colour, pattern or texture of the carpet types. Size: 4 x tile size.
	Tests:	Type tests: Submit results, as follows: - Manufacturer's type tests showing that materials conform to cited standards. - Slip resistance of resilient finishes. - Fire hazard properties. - Fire-resistance level.
10.3	Substrate acceptance	
	Applicator:	Submit the installer's certification of the acceptability of the flooring substrate before commencing installation.
10.4	Adhesives	
	Requirement:	To the resilient finishes manufacturer's recommendations.
	Sheets and Tiles	

	Edges of sheets and tiles	Make sure edges are firm, unchipped and machine-cut accurately to size and square to the face, and that tile edges are square to each other.
10.5	Execution:	
10.5.1	Requirement:	Use specialist installers recommended by the materials manufacturers.
10.5.2	Substrate preparation:	Do not start installation of the resilient finish until the concrete / cement substrate conforms to the adhesive and resilient finish manufacturers' recommendations.
10.5.3	Surface treatments:	Mechanically remove the following surface treatments: • Sealers and hardeners. • Curing compounds. • Surface coatings and contamination.
	Cleaning:	Remove loose materials or dust.
10.5.4	Sheet installation:	
	Carpet tile set-out:	• Set-out: Do not provide cut tiles which are less than half a tile width. Provide full tiles in doorways. • Keep joint lines straight.
	Fixing:	Perimeter and grid system: To manufacturer's instructions.
	Fixing cut tiles:	Adhesive fix to 100% of tile.
	Rolling:	If rolling is required, roll the finish in multiple directions before the adhesive sets.
	Change of finish:	Maintain finished floor level across changes of floor finish including carpet.
	Accessories:	• Provide purpose-made matching moulded accessories for nosings, coves, skirtings, edge cover strips and finishes at junctions, margins, and angles, if available. Otherwise, form accessories from the sheet material. • Provide solid backing for radiused coves and nosings.
	Edge trims:	Provide edge trims at junctions with different floor finishes and to exposed edges.
10.6	Inspection:	
		Give notice so that inspection may be made of the following: • Each batch of material upon delivery. • Substrate immediately before fixing underlay. • Edge strips and underlay installed ready to lay carpet. • Completed carpet after cleaning and before covering for protection.
10.7	Warranties	
	Requirement:	For each type of carpet specified, submit the manufacturer and installer's warranty of the material, workmanship and application.
10.7	Completion:	
10.7.1	Manufacturer's manual:	Submit manufacturer's published use, care and maintenance requirements for each type of carpet type.
10.7.2	Spare materials:	Supply spare matching materials of each type, colour and design of carpet from the same batch for future replacement purposes.

		Quantity: as documented. Offcuts: Retain carpet offcuts exceeding 0.5 m ² in area and 450 mm in both length and width.
	Protection:	Provide fabric drop sheets. Do not use plastic sheeting. If wheeled traffic is to follow carpet installation, protect with hardboard sheets butted and fixed with adhesive tape.
	Cleaning:	Progressively clean the work. Remove waste, excess materials and adhesive.
	Final cleaning:	When the installation is complete, clean the carpet as necessary to remove extraneous matter, marks and soiling and to lift the pile where appropriate.

11 JOINERY WORK

11.1	General	
11.1.1	Requirement:	Provide joinery, as documented. Refer to joinery / casework detail drawings and schedule.
11.2	Tolerances:	
11.2.1	Requirement:	Fabricate and install joinery items to substrates undamaged, plumb, level, straight and free of distortion.
11.2.2	Tolerances Table	
	<i>Property</i>	<i>Tolerance</i>
	Plumb and level	1:800
	Offsets in flush adjoining surfaces	0.5mm
	Offsets in revealed adjoining surfaces	2mm
	Alignment of adjoining doors	1mm
	Doors centred in openings	0
	Joints in finished surfaces	0
11.2	Submissions	
	Drawings:	Proprietary items: Submit the manufacturer's standard drawings and details showing: • Methods of construction. • Assembly and fixing, with dimensions and tolerances.
	Manufacturer's data:	Submit the manufacturer's product data for each type of laminate finish, and the manufacturer's recommendations for its application including: • Adhesive and jointing method. • Resistance to wear and indentation.
	Maintenance manuals:	Submit manufacturer's published recommendations for service use.
	Prototypes / mock-ups	• Provide a prototype as directed by architect. • Finishes on specified substrate.
	Samples:	Submit labelled samples of finishes.
11.3	Joinery fabrication	
11.3.1	General:	Refer to documents as follows: • Drawings: Joinery units and their location, indicative construction details, scribes and trims, materials, dimensions and thicknesses, and finishes. • Drawings: Confirm on site all dimensions noted, after the completion of partitions. • Finishes schedules or drawings: Finishes selections. • Specification: Joinery hardware fittings and systems.
11.3.2	General assemblies:	
	a) Plinths:	Material: Select from the following: • High moisture resistant particleboard.

		High moisture resistant medium density fibreboard. Thickness: 16 mm.
	b) Carcasses material:	Use the following: Overlaid high moisture resistant medium density fibreboard. Thickness: 18 mm.
	c) Carcasses Joints:	Select from the following: - Proprietary mechanical connections. - Dowels and glue. - Screws and glue. - Proprietary joining plates and glue. Adjustable shelves: Support on proprietary pins in holes bored at equal centres vertically.
	d) Drawer fronts and doors:	Material: Use the following: High pressure decorative laminate overlaid high moisture resistant medium density fibreboard. Thickness: 18 mm. Drawer fronts: Rout for drawer bottoms.
	e) Drawer bottoms:	Material: Melamine faced MDF, laminate finish.
	f) Joinery hardware:	
11.4	Joinery hardware:	
11.4.1	General requirements:	Refer to drawings and as documented. - Provide and install the cabinet hardware inclusive of all the necessary matching screws and fixtures to facilitate the complete and total installation. - Finish to hardware to be satin chrome plate or satin Stainless Steel, unless noted otherwise.
11.4.1	Barrel Bolts:	Hafele – 40mm barrel bolts, chrome plated. Locate inside top of inactive leaf of lockable double cupboard door situations.
11.4.2	Cabinet Locks:	Hafele – Cabinet Door Lock. Cupboard & drawer Lock Model C8173-915-26D – brushed chrome finish, keyed alike within each separate area. Installed complete with cylinder rosette Model C2017-26D.
11.4.3	Handles:	Hafele – Furniture Handles, Stainless Steel, matt brushed finish, 126mm Long – 100.45.081
11.4.4	Hinges:	Blum – Blumotion - soft-closing steel hinge, 110degree opening. Generally, in all cabinet units.
11.4.5	Drawer System	Blum Tandembox cabinet profile with Blumotion, 10kg capacity.
11.5	Working Surfaces	
	Material:	Refer to drawings. Benchtop backing: high moisture resistant particleboard.
	Thickness:	Refer to drawings.
	Finish:	Refer to drawings.
11.6	Inspection:	
		Give notice so that inspection at completion.

11.7	Warranties	
	Requirement:	Warranties on finishes laminates and bench tops.
11.8	Completion:	
11.8.1	Manufacturer's manual:	Submit manufacturer's published use, care and maintenance requirements for each type of laminate finish and worksurface.
	Protection:	Provide cover protection and / or protective film. Temporary coatings: On or before completion of the works, or before joining up to other surfaces, remove all traces of temporary protective coatings.
	Cleaning:	Remove all dust, marks and rubbish from all surfaces and internal spaces. Clean and polish all self-finished surfaces such as anodised and powder coated metals and laminates.

12 METALWORK

12.1	General	
12.1.1	Requirement:	Provide metal fixtures that are: • Undamaged, plumb, level and straight. • Free of surface defects or distortions.
12.1.2	References:	Conform to the drawings, specifications and descriptions in the documents. Refer also to the specific product information in the appendix.
11.2	Submissions:	
11.2.1	Drawings:	Proprietary items: Submit the manufacturer's standard drawings and details showing: • Methods of construction. • Assembly and fixing, with dimensions and tolerances.
11.2.2	Execution details:	Welding procedures: Submit details of proposed welding procedures before fabrication.
	Prototypes / mock-ups	• Provide a prototype as directed by architect. • Finishes on specified substrate.
11.2.3	Samples:	Submit samples of the following: • Labelled samples of finishes, illustrating the range of variation. • Sections for use in fabricated work. • Each type of joint.
11.3	Shop drawings:	
	General:	Provide Shop Drawings for metal fabrication works. Confirm on site all dimensions and submit shop drawings, showing the following information: • Details of fabrication and components. • Details of fabrication involving other trades or components. • Information necessary for site assembly.
11.4	Inspection:	
		Give notice so that inspection may be made of the following: • Shop fabricated or assembled items ready for delivery to the site. • Commencement of shop or site welding. • Site erected assemblies on completion of erection, before covering up by cladding and encasing. • Steel surfaces prepared for, and immediately before, site applied finishes.
11.5	Metal Finishing	
11.5.1	Workmanship	General: Before applying protective pre-finishes to metal components, complete welding, cutting, drilling and other fabrication, and prepare the surface using a suitable method.
11.5.2	Priming steel surfaces:	Where site painting is specified to otherwise uncoated mild steel or similar surfaces:

		• prime after fabrication and before delivery to the works; and • after installation, repair damaged priming and complete the coverage to unprimed surfaces.
11.5.3	Finishing of visible joints:	• Finish visible joints made by welding, brazing or soldering using methods appropriate to the class of work (including grinding or buffing) before further treatment such as painting, galvanising or electroplating. • Ensure self-finished metals are without surface colour variations after jointing.
11.5.4	Damage:	If pre-finishes are damaged, including damage caused by unauthorised site cutting or drilling, remove and replace the damaged item.
11.5.5	Coating quality:	General: Free from lumps, blisters, gritty areas, uncoated spots, acids and black spots, dross, flux and other imperfections.
11.6	Warranties	
	Requirement:	Warranties on finishes.
11.7	Completion:	
11.7.1	Manufacturer's manual:	Submit manufacturer's published use, care and maintenance requirements for each type of laminate finish and worksurface.
	Protection:	Provide cover protection.
	Cleaning:	Remove all dust, marks and deposits from all surfaces. Clean and polish all self-finished surfaces such as anodised and powder coated metals.

13 PAINT FINISHES & WALL CLADDING

13.1	General	
13.1.1	Requirement:	Provide coating systems to substrates, as documented.
13.1.2	Performance:	Provide coating systems as follows: • Consistent in colour, gloss level, texture and dry film thickness. • Free of runs, sags, blisters, or other discontinuities. • Paint systems which are fully opaque or at the documented level of opacity. • Clear finishes at the level of transparency consistent with the product. • Fully adhered. • Resistant to environmental degradation within the manufacturer's stated life span.
13.1.3	References:	Conform to the drawings, specifications and descriptions in the documents.
13.2	Standards:	
		Painting of Buildings - Code of Practice
		Manufacturer's specifications.
13.3	Submissions:	
13.3.1	Paint Samples:	General: Submit the following at least 3 weeks before the paint is required: • Paint brand name and product range quality statement. • Safety data sheets (SDS) showing the health and safety precautions to be taken during application. • The published recommendations for maintenance.
13.3.2	Wall films samples:	General: Submit at least 3 weeks before the film is required, 200 x 200mm size samples of all films specified, showing colour, gloss level, texture, and physical properties.
13.4	Painting System Execution:	
13.4.1	General:	Number of coats: Except where one or two coat systems are documented, each paint system consists of at least 3 coats for new previously unpainted surfaces.
13.5	Architectural Finishes Schedule	
13.5.1	Finishes schedule	The architectural Finishes Schedule lists each element to be painted.
	Paints	The contractor is to prepare 'Crown Paints' (or equal and approved) paint samples and obtain manufacturer's technical data sheets for approval by the Architect.
13.6	Inspection:	
		Give notice so that inspection may be made of the following: Painting stages: • Completion of surface preparation.

		• After application of final coat. Film application stage: • After application of film.
13.7	Warranties	
	Requirement:	Submit the coating manufacturer's warranties.
13.8	Completion:	
	Cleaning:	Remove all dust, marks and deposits from all surfaces. Clean to paint and film manufacturer's specifications.
14.0	Products	
14.1	Selection:	Refer to schedule in drawings.
14.2	Locations:	Refer to drawings.

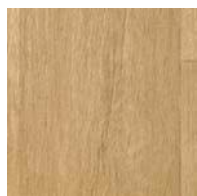
PROPOSED RENOVATIONS TO AMERICAN CENTRE NAIROBI (ACN)

Outline Architectural Technical Specifications Schedule of Finishes

September 2020

Work Stage: 100% Design Completion

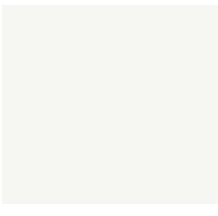
Proposed Renovations to American Centre Nairobi (ACN)

Code	Specification		Image	Notes
WDV	Type: Colour code: Finish: Unit size: Manufacturer: Supplier: Location:	Expanded (cushioned) poly (vinyl chloride) floor covering (ISO26986) ICONIK 260T Matt effect for ultra-realistic design EN ISO 24341 Tarkett Tarkett Maker lab, Reception		
CT1	Type: Colour code: Finish: Unit size: Manufacturer: Supplier: Location:	Textile floor coverings (EN 1307) Atmos B747 9505 EN 1307 Tile 500 x 500 mm Tarkett Tarkett Main program space, Staff office, Circulation information, Multipurpose room		
CT2	Type: Colour code: Finish: Unit size: Manufacturer: Supplier: Location:	Textile floor coverings (EN 1307) Grain B867 8331 EN 1307 Tile 500 x 500 mm Tarkett Tarkett Main program space, Work room/ Education, Flexible lounge		
AS1	Type: Colour code: Finish: Unit size: Manufacturer: Supplier: Location:	Transition strips for laminate flooring SLATE BLACK 510022027 MDF 10 x 44 x 2400 mm Tarkett Tarkett Maker lab, Reception		
SK2	Type: Colour code: Finish: Unit size: Manufacturer: Supplier: Location:	Primed and painted Medium Density Board (MDF) skirting, Black Matt finish, to approval 18mm thick x 100mm high. Contractor Contractor Entire project		
PT1	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Dark red 199C #CB1334 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		

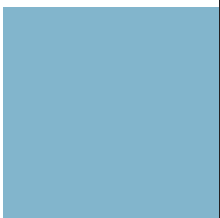
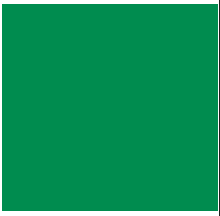
Proposed Renovations to American Centre Nairobi (ACN)

PT2	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Dark red 199C #CB1334 matte Emulsion paint for use on ceiling Berger or equivalent Berger/Contractor Reception ceiling		
PT3	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Dark blue 072C #273591 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT4	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Dark blue 072C #273591 matte Emulsion paint for use on ceiling Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT5	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Blue 072C #557DBF Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT6	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Blue 072C #557DBF matte Emulsion paint for use on ceilings Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT7	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Medium gray 4C #B1B4B5 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		

Proposed Renovations to American Centre Nairobi (ACN)

PT8	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Light gray 2C #D6D7D6 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT9	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint White 11-0601 TCX #F7F7F3 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT10	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Black #000000 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT11	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Black #000000 Matte Emulsion paint for use on ceilings Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT12	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Red 193C #D11947 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		
PT13	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Light Red 1797U #E2462F Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space.		

Proposed Renovations to American Centre Nairobi (ACN)

PT14	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Light Blue 7695C #83B6CC Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multipurpose room, Reception, Main programs space, staff office		
PT15	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Light Blue 7695C #83B6CC Matte Emulsion paint for use on ceilings Berger or equivalent Berger/Contractor Reception		
PT16	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Spanish Green #008C51 Vinyl Silk Emulsion paint for use on walls Berger or equivalent Berger/Contractor Multi-Purpose Room, Reception, Main Programs Space, Flexible Lounge		
PT17	Type: Colour name: Colour code: Finish: Style name: Manufacturer: Supplier: Location:	Paint Spanish Green #008C51 matte Emulsion paint for use on ceilings Berger or equivalent Berger/Contractor Reception		
WG1	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 3500mm (W) by 2750mm (H) High resolution wall decal Contractor Contractor Reception	<i>Client supplied</i>	
WG2	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 900mm (W) by 2200mm (H) High resolution wall decal Contractor Contractor Flexible lounge	<i>Client supplied</i>	

Proposed Renovations to American Centre Nairobi (ACN)

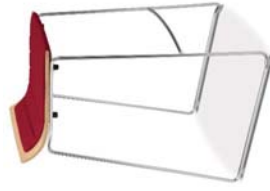
WG3	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 2700mm (W) by 3100mm (H) Applied vinyl graphics Contractor Contractor Workroom glass partition	<i>Client supplied</i>	
WG4	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 3700mm (W) by 3100mm (H) Applied vinyl graphics Contractor Contractor Workroom glass partition	<i>Client supplied</i>	
WG5	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 4000mm (W) by 3100mm (H) Applied vinyl with graphics USA map Contractor Contractor Workroom	<i>Client supplied</i>	
WG6	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 2950mm (W) by 1500mm (H) Applied vinyl with graphics USA map Contractor Contractor Circulation area	<i>Client supplied</i>	
WG7	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 4700mm (W) by 700mm (H) Geometric pattern on vinyl Contractor Contractor Main program space	<i>Client supplied</i>	
WG8	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 1910mm (W) by 3000mm (H) Geometric pattern on vinyl Contractor Contractor Main program space	<i>Client supplied</i>	
WG9	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 900mm (W) by 3050mm (H) Printed high resolution image Contractor Contractor Maker lab partition wall	<i>Client supplied</i>	

Proposed Renovations to American Centre Nairobi (ACN)

WG10	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 4600mm (W) by 2350mm (H) “maker lab” graphics running vertically Contractor Contractor Maker lab	<i>Client supplied</i>	
WG11	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 2700mm (W) by 900mm (H) High resolution image on wall Contractor Contractor Multipurpose room	<i>Client supplied</i>	
WG12	Type: Image: Size: Description: Manufacturer: Installation by: Location:	Applied Vinyl Wall Graphic Client supplied 4800mm (W) by 1500mm (H) High resolution image on wall Contractor Contractor Multipurpose room	<i>Client supplied</i>	

Proposed Renovations to American Centre Nairobi (ACN)

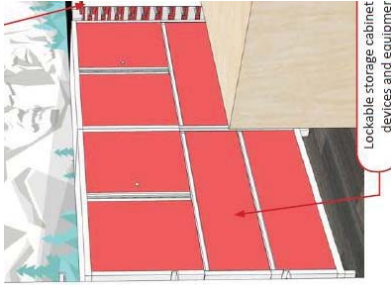
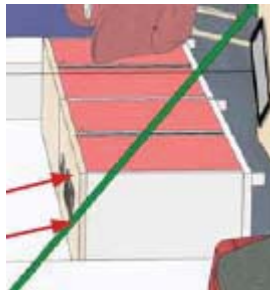
SF1	Type: Product name: Product code: Product dcrptn: Colour code: Size: Finish: Manufacturer: Supplier: Location:	Felt feature wall Index Wide 100% Wool Felt with Cork Composite Backing 179, 150, 201 (<i>refer to product literature</i>) 91.4 x 30.5 cm rolls Filzfelt Filzfelt Information desk	Available in concept colors* 	
SF2	Type: Product code: Colour name: Colour code: Finish: Manufacturer: Supplier: Location:	Edge-wrapped tackable panels TW1F Black 1132 (Manufactures code) ' Fabric Claridge Products Claridge Products/contractor Circulation and information, Maker lab,	See catalog	
SF3	Type: Product code: Colour name: Colour code: Finish: Manufacturer: Supplier: Location:	White Dry Erase film for walls SOLYX SX-2095 White #FFFFFF Polyester Solyx/ https://www.decorativefilm.com/ Berger/Contractor Maker lab, Main programs space, staff office		
PG1	Type: Colour name: Finish: Manufacturer: Supplier: Location:	Laminate finish on MDF or particle board items Candy Red Supagloss PG Bison Contractor Refer to drawings		
PG2	Type: Colour name: Finish: Manufacturer: Supplier: Location:	Laminate finish on MDF or particle board items Iceberg white Supagloss PG Bison Contractor Refer to drawings		
PG3	Type: Colour name: Finish: Manufacturer: Supplier: Location:	Laminate finish on MDF or particle board items Super black Supagloss PG Bison Contractor Refer to drawings		
PG4	Type: Colour name: Finish: Manufacturer: Supplier: Location:	Laminate finish on MDF or particle board items Vancouver maple Supagloss PG Bison Contractor Refer to drawings		

RENOVATION OF THE AMERICAN CENTRE, NAIROBI (ACN)						
PROJECT: PROPOSED RENOVATION OF THE AMERICAN CENTRE NAIROBI (ACN)						
LOOSE FURNITURE SCHEDULE						
Item No.	Code	Description	Location	Image	Specification	Colour & Size
CHAIRS						
1	C1	Office Task chair	- Staff office - Information desk		Task chair with adjustable armrest with a wraparound back and a fully upholstered perimeter. Flex net matrix with flexible back frame and high density foam lined with abrasion and fire-resistant heavy-duty fabric. Base on 5 star polished aluminium castor wheels.	Light grey 762wx597dx990h
						https://www.knoll.com/product/remix?p=66w-ha-xu-xu09-xb-xb09-hc-2-5-x-dk-01-xob01-usf-tilda
2	C2	Stackable chair	- Main program space - Maker lab - Multipurpose room		Lightweight stackable chair finished in high density polyurethane. 2-legged base finished in chrome.	- Red - White - Light blue 500w x 546d x 803h
						https://www.allsteeloffice.com/products/seating/side-chairs/nimble?path=Nimble-Multi-Purpose
3	C3	Stackable bar stool	- Reception. - Flexible lounge - Maker Lab.		Lightweight stackable stool with curved wood and optional seat pad	Wooden with red seat pad 527w x 520d x 838h
						https://www.allsteeloffice.com/products/seating/stools/take-5-stool

4	C4	Modular lounge seat with backrest	Flexible lounge		Fabric surround Upholstery foam which has high-resilience, multi-density for a firm, durable sit with polished base and sculptured back	- Light grey - Charcoal grey 775w x 750d x 787h	3	https://www.allsteeloffice.com/products/seating/lounge/linger
5	C5	Lounge rectangular pouffe	Flexible Lounge.		Upholstery foam is high-resilience, multi-density urethane for a firm, durable sit	- Red - Light grey 533w x 533d x 483h	6	https://www.allsteeloffice.com/design-resources/images-videos?product_name=Two-Thirds
6	C6	Lounge round pouffe	Flexible Lounge.		Upholstery foam is high-resilience, multi-density urethane for a firm, durable sit	- Red - Light grey 460w x 460d x 430h	3	https://www.allsteeloffice.com/products/seating/lounge/two-thirds
7	C7	Meeting chair	- Flexible lounge - Work room		Molded reinforced polyurethane back shell with a contoured plywood seat with solid steam-bent oak wood legs. Fire-resistant fabric over high density foam.	- Red - Light grey 571w x 521d x 800h	9	https://www.knoll.com/product/saaren-executive-armless-chair

TABLES						
8	T1	Reception desk	Reception		30mm thick wood grain MDF laminated top on spray painted RHS support legs.	2200w x 1100d x 1000h
9	T2	Trapezoid modular table	- Main program space - Multipurpose room		18mm thick MDF laminated top with polished aluminium T- leg support with black castors	White 1500w x 600d x 740h
10	T3	Square collaboration table	Flexible lounge Work room		30mm thick MDF white laminated top with polished aluminium square pedestal	White 1000w x 1000d x 750h
					https://www.allsteeloffice.com/products/tables/training/aware-training	1
					https://www.allsteeloffice.com/products/tables/collaborative/collaborative	3

11	T4	Side table	• Flexible lounge • Main programme space		18mm thick white MDF laminated top with polished aluminium single leg 4-star support	• White 430w x 560d x 710h	6	https://www.allsteeloffice.com/products/tables/recharge-tables
12	T5	Lounge coffee Table	• Flexible lounge		Sculpted spun-aluminium base with wooden top	• White with wooden top 800dia x 405h	1	https://www.allsteeloffice.com/products/tables/occasional-side/belong

STORAGE							
13	ST1	Lockable storage	Information desk		MDF Lockable storage credenza for storing equipment with red veneer doors & white sides	Red & White 800 x 500 x 1500	2
14	ST2	Low Level Storage credenza	Workroom/USA Education		MDF Base storage cabinet in red veneered doors, white sides & Vancouver maple top.	Red & White 800 x 400 x 900	2
15	P1	Lockable storage	Staff office		MDF Mobile lockable pedestal drawer storage under workstations in red veneered doors & white sides.	Red & White 400 x 600 x 600	5

16	L1	Lumbar cushion	• Main program space • Circulation • Flexible lounge		Cotton Lumbar cushion for backrest	• Selected colours	450 x 50 x 350	12	
----	----	----------------	--	---	------------------------------------	--	----------------	----	--

TECHNICAL SPECIFICATIONS FOR ELECTRICAL INSTALLATIONS AND ASSOCIATED SERVICES

SECTION 1: GENERAL

1.01 The Contractor shall supply labour and supply, deliver, install, fix, connect, test, label, and commission the electrical works, clean, complete and working to every detail as described in the specification and by related specifications to the satisfaction of the client/client representative.

1.02 Quality of Materials

All plant, equipment and materials supplied as part of the Contract Works shall be new and of first class commercial quality, shall be free from defects and imperfections and where indicated shall be of grades and classifications designated herein.

All products or materials not manufactured by the Contractor shall be products of reputable manufacturers and so far as the provisions of the Specification is concerned shall be as if they had been manufactured by the Contractor.

Materials and apparatus required for the complete installation as called for by the Specification and Contract Drawings shall be supplied by the Contractor unless mention is made otherwise.

Materials and apparatus supplied by others for installation and connection by the Contractor shall be carefully examined on receipt. Should any defects be noted, the Contractor shall immediately notify the Engineer.

Defective equipment or that damaged in the course of installation or tests shall be replaced as required to the approval of the Client and Engineer.

1.03 Regulations and Standards

The Electrical Contract Works shall comply with the current editions of the following:

- a) The US Government Regulations.
- b) Americans with Disability Act.
- c) NFPA 70: National Electrical Code
- d) NFPA 70E: Standard for Electrical Safety in Workplace
- e) ANSI/TIA-568A
- f) NEMA

SECTION 2

SUPPLY AND DISTRIBUTION

2.01. Supply and Distribution system

The power supply shall be from designated panel boards (as indicated in the drawings) in First Floor power room. Supply Voltages shall be 230V single phase and 400V three phase.

SECTION 3

LIGHTING AND SMALL POWER INSTALLATIONS

3.01 INSTALLATION SYSTEM

With the exception of where otherwise noted on the drawings, the installation shall throughout be carried out in PVC insulated copper cables of not less than 12AWG copper drawn in high grade steel conduit.

3.02 LIGHTING CONTROL SYSTEM

Indoor Lighting

- 3.03 Types of accessories and fixed apparatus to be used shall be as manufacture Legrand or Lutron. Subject to the approval of the Client/Client representative equivalent makes may be used. All light fittings to be of manufacture shown on the detailed descriptions, or approved equivalent.

3.04 CONNECTIONS TO FIXED APPLIANCES

The Sub-contractor shall supply and interconnect flexible cords between spur units/outlets boxes and the appliances where the symbol for flex connections are shown.

All connections shall be made by white heat-resisting PVC flexible cords having fuse rating in accordance with the respective circuits.

3.05 MOUNTING HEIGHTS AND LOCATIONS

All mounting heights stated shall mean the heights from finished floor level to underside of the accessory.

Each mounting heights for wall fixtures shall, however, be re-confirmed on site.

All mounting heights to be guided by Americans with Disability Act and NFPA 70 Informative Annex J.

Lighting control Switches ()

40 inches above finished floor level and 4 inches away from architrave. If mounted in a column they shall be located in the centre.

Sockets Outlets

18 inches above finished floor except for areas that are otherwise stated.

Connection Units and Outlets

Connection units having cord outlets shall be located as to limit the length of the flex cord to approx. 24 inches and be located slightly higher than the inlet on the appliances. The same applies to outlet boxes.

Conduit Boxes (General)

Where one fitting is shown in a room the box shall be in the centre (unless otherwise stated). Where two or more fittings are to be installed they shall be half of the between two fittings. Where one row of fittings is to be installed they shall be located in the centre. Where installed between beams they shall be in between two beams. All boxes shall be with covers.

3.06 WALL AND CEILING FINISHINGS

The Contractor is to obtain information regarding the ceiling claddings before any installation is commenced as he will be held responsible if the conduit boxes as well as boxes for switches and socket outlets, telephone, etc are not installed at the right depth.

3.07 LUMINAIRES

The Contractor shall supply, deliver to site, install and commission all the luminaires including lamps, lamp-holders, control gear, capacitors, glassware, diffusers or other attachments, heat resistant internal cables, fuses and terminals and all necessary suspension gear. In case where Luminaires are supplied by the client the Contractor shall deliver to site store, install, commission and set to work.

All Luminaires shall be assembled and installed in accordance with the respective manufacturer's instructions/recommendations, in the position and mounting heights specified.

Luminaires shall not be installed under dirty and hazardous site conditions, and any damage or deterioration to luminaires installed under these conditions shall be made good by the Contractor.

The Luminaires shall be cleaned free of dust and dirt after completion of the installation. Where dirt, dust, corrosion or other conditions cause imperfections in the luminaires, they shall be replaced.

Luminaires, diffusers, attachments or glassware etc., shall be properly stored to final erection, in such a manner as to avoid damage of any kind.

Luminaires fixings shall generally be suitable for direct connection to conduit boxes or as otherwise specified. Luminaires not provided with suitable box shall be modified as necessary.

Unless stated otherwise, all luminaire supports shall be fixed to the building primary structure. Luminaires shall not be supported from suspended ceiling unless otherwise specified. The Contractor shall be responsible for mounting and fixing arrangements.

The tenderer may submit an alternative schedule of equal makes of fittings with the tender where applicable.

Where appliances fittings shall be supplied complete with bulbs or tubes, the tubes or bulbs shall be as GE, Osram or Philips Lighting. Equivalent makes may be substituted subject to due approval of the Client/Client representative, and the contractor proving that what is specified is not available.

3.08 **LIGHTING SWITCHES**

Lighting switches shall be of the type, size and manufacture as specified.

Where several switches on one phase are shown at one position, a ganged box shall be used.

Where switches at any location are connected to different phases, purpose-made phase barrier switches shall be installed. The phases shall be separated by means of rigidly fixed barriers and the cable for each phase shall be confined to the area enclosed by the barriers for that phase.

Switches connected to a particular phase shall have separate cover or covers fitted over each phase. The covers shall be engraved "CAUTION 400 VOLTS".

The switch plate of the specified finish shall be fitted over phase covers to render the switch unit indistinguishable from the switches that are not phase barrier switches.

Alternatively, each gang shall have its own piping and box for each phase, physically separated from other phases with similar arrangements.

For flush position on a plastered or equivalent finish wall, the switches shall have overlapping plates.

3.09 SOCKETS OUTLETS

All socket outlets and plugs shall be supplied and installed in accordance with the manufacture, type, sizes and finish specified.

All sockets outlets shall be complete with steel boxes of the same manufacture, complete with earth terminal.

Assemblies shall comply fully with the requirements of the NFPA 70 and NFPA 70E concerning the bonding of protective conductor terminals.

All socket outlets to be as NEMA 6-20R unless otherwise stated.

3.10 ELECTRICAL CABLES AND METALLIC CONDUITS

All electrical cable sizes and steel conduit sizes to be as per stated in the Bills o Quantities.

Cable Installation and Construction specifications to be as per articles 320, 322 and 324 of NFPA 70. Metallic conduits Installation and Construction specifications to be as per article 358 of NFPA 70.

Separate conduits and runways shall be used for:

1. Lighting system.
2. Power outlets.
3. Emergency light.
4. Telephone system.

Cables of differing voltages shall be segregated so that there is no possibility of a fault in a power cable damaging any adjacent cables or imposing a different voltage upon them.

3.11 CABLE TRUNKING-SHEET STEEL

Trunking shall only be installed in situations which will remain readily accessible throughout the life of the buildings. No cable trunking shall be installed behind a plastered ceiling or in other inaccessible situations.

All cable trunking shall comply with NFPA 70 article 386 and 390.

All lengths of trunking shall be heavy gauge zinc coated steel connected together by internally fitted rectangular couplings of sufficient width to provide a minimum bearing face of 1 inch, to which the lengths shall be bolted on site or welded at the factory.

Adequate provision shall be made to allow for expansion.

All Tee pieces and bends shall be formed with similar means of connection and the inner radii area shall be such that cables will not be bent through a radius less than that prescribed in the NFPA 70. Only bends and tees of approved pattern will be accepted.

All fixing screws within the trunking shall be of the round head type. The trunking shall have an over-lapping well-fitted lid securely fixed to the trunking by approved means that will avoid damage to the cables. Self-tapping screws shall not be used.

All necessary accessories including long sleeve couplings, end piece, bends, sets, tees, reducers, branches, fillets, pin racks, cable retainers etc., shall be purpose-made units rather than being fabricated on site.

Where a change in direction of trunking run occurs, the deviation should be effected by a purpose-made unit manufactured on similar lines to the bends and tee pieces described above. Where this is not practical, changes in direction shall be fabricated in a neat workmanlike manner. All joints shall fit closely and gaps will not be permitted. All burrs and sharp edges shall be removed and no screw shall protrude into the trunking.

Trunking shall be firmly attached to its associated equipment either by bolted flanges or by male bushes and couplings.

Where trunking is connected to equipment by means of flange connectors, the entry into the equipment shall be of the same cross-section as the trunking.

Where trunking does not terminate in equipment, the otherwise open end shall be capped with a cover suitable bolted in position.

Where communications, extra low voltage circuits etc., are contained in a trunking, the requisite number of separate compartments shall be provided to segregate the wiring. Where conduits are taken off such trunking they shall not pass through other compartments unless prior permission is obtained from the Engineer.

Trunking runs shall be so arranged that the lid or cover plate is always on the top or side and not underneath, unless this cannot be avoided, in which case the Engineer's permission shall be obtained.

Wherever trunking passes through walls, vertical partitions etc., a fixed piece of trunking lid shall be fitted to the trunking extended 1 inch either side of the wall or other barrier, this is to allow removal of the adjacent lid without disturbing the building fabric. Care shall be taken to ensure that no opening is left between the trunking and the building structure through which fire might spread. In addition a suitable barrier of incombustible material shall be provide and fitted inside the trunking, in accordance with NFPA Regulations.

All necessary trunking support work, hangers, brackets and fixing requirements shall be provided by the Contractor.

Earth links of the appropriate size and type shall be installed at every jointing coupling, manufactured bend, etc., throughout the entire trunking system.

Cable retaining strips shall be fitted at 1 m intervals.

Insulated cable support pins shall be fitted at intervals of 4 m in vertical runs of trunking and at the top of the vertical trunking.

3.12 FIXING AND LOCATION

Details of fixing and location of various fittings are as shown on relevant drawings.

3.13 POWER INSTALLATIONS

The Contractor shall include for all installations shown on the drawings.

The contractor shall satisfy himself that there is a continuous conduit, trunking and /or cable ladder system to facilitate installation of the entire power installation and shall be held responsible where continuity does not exist.

3.14 INSTALLATION SYSTEM

The installation system for the indoor installation shall be carried out in concealed steel conduits, steel ducts and surface mounting trunking. The size of the cables shall not be less than 12AWG for ring main circuits.

SECTION 4

INSTALLATION FOR COMMUNICATION SERVICES

4.01 INSTALLATION SYSTEM

In the BoQ for electrical installations, supports for all cables in the communications services shall be included. The tender shall include for trunking, conduits etc. to ensure a continuous supply system from the telephone switch-room to any individual outlet.

The conduits shall at each point terminate in deep switch-boxes as specified for lighting control switches.

All Structured cabling works must conform to ANSI/TIA-568A.

4.02 MOUNTING HEIGHTS AND LOCATIONS

Mounting heights shall be as for socket outlets.

SECTION 5

5.01 AS BUILT DRAWINGS, AND DOCUMENTATION

Within one month of the date of completion the electrical Sub-Contractor shall provide 3 prints of all electrical drawings showing the electrical installations "As built". In case the Contractor fails to provide "As Built" drawings as required, these will be prepared by others at the expense of the Contractor.

5.02 INSPECTION AND TESTING

A visual inspection shall be made in accordance with NFPA standards.

The electrical and structured cabling installation shall be inspected and tested by the Contractor in accordance with the NFPA and ANSI/TIA standards.

Where any part of installation is to be concealed within a building, fabric tests shall be made to ensure that the installation is satisfactory prior to concealment.

Upon completion of the works the whole installation shall be subjected to the tests detailed hereafter and every defect shall be noted, corrected and brought to the notice of the Engineer.

All tests shall be witnessed by the Engineer to his full satisfaction and he shall be given at least one week's notice in writing of the proposed tests.

All labour and test instruments shall be provided by the Contractor and the instruments shall be correctly calibrated and certified for the limits of accuracy required and shall be operated by competent person. If, in the Engineer's opinion, a particular instrument is not suitable, then an acceptable alternative shall be provided. The Engineer shall be at liberty to demand the use of any testing instrument or apparatus that he may reasonably consider to be necessary in the execution of the testing.

Upon completion of all tests and commissioning, two copies of detailed certificates shall be provided by the Contractor to show that the equipment, materials, installation etc., have been tested and commissioned. One copy of each, duly completed and signed shall be submitted to the Engineer. The second copy of the certificates shall be retained to be included with operator and maintenance manuals.

The results of the test and details of completion for the electrical test shall be detailed on the Test and Completion Certificates respectively; issued by the approved authority.