



Site Analysis & Remediation Report - Syngenta Buenos Aires – Sala Topik Room

To be read in conjunction with drawings S102-101 to S102-105



Sala Topik Room
Avenue del Libertador 1855
Piso 2,
Buenos Aires,
Argentina
14th September 2012
Job Number: S102

Author: CF
Checked: TH





1.1 Introduction

KN /EOS have been commissioned by BT to carry out analysis of several rooms for Syngenta at their sites throughout Europe, Asia and America.

This report relates to the Sala Topik Room at the Syngenta site in Buenos Aires, Argentina. The building is located at Avenue del Libertador and is of moderately recent construction.

A non-intrusive site analysis was carried out on 25th July 2012 by EOS to investigate the potential for installing EOS Collab Cube/Sphere technologies, and assess options for improving the electrical, lighting, acoustical, heating, ventilating, and air conditioning elements of the room, to achieve Cisco TelePresence CTX standards.

This report was then produced to summarise the present condition of the room, provide rationale for the application of EOS technologies, and determine the remedial measures required to implement the solution, with recommendations.

1.2 Existing Room Overview

The room is currently used as a board/meeting room, with seating provided for up to 8No. participants. The existing walls are generally made of light-weight panelling & glazing, the floor is a Raised Access Flooring and the ceiling is a suspended grid with mineral fibre ceiling tiles. Access to the room is gained via the doorway located on Wall 01, which opens onto an existing open-plan office.

10th August 2012

1.3 Recommendations

For the Sala Topik room we believe the most suitable option to implement is the **Collab Sphere**.

The rationale for Collab Sphere selection is as follows:

1. The existing ceiling is a suspended grid with 600x600mm mineral fibre tiles. The facility to install a new 600x600mm LED lighting system within this grid ensures that the evenly distributed light required to meet CTX standards can be achieved.
2. At 2600mm the height of the suspended ceiling, and the equipment located above, do not allow for a Collab Cube to be installed & still meet the minimum internal room clear height of 2400 without obstruction.
3. The existing ventilation system within the room is of sufficient capacity for a TX1300-65 system.
4. Column at Wall 02 would cause difficulties for installation of a Collab Cube. The Collab Sphere can accommodate this.

1.4 Room Remediation (to be carried-out by Syngenta)

1. Installation of TX1300-65 and Collab Sphere power requirements (*See Appendix A for Power Distribution*) to specified location.
2. Installation of TX1300-65 network requirements (*See Appendix B for Network Requirements*) to specified location.
3. Proposed lighting system to be connected by hard-wiring into existing power network.
4. Existing partition walls (at Walls 01 + 04) to be removed & new insulated stud partition wall constructed, by Syngenta. Wall to extend from floor to underside of slab. Location of doorway to be modified to suit new construction.
5. Existing carpet tiles and skirting board to be removed prior to Collab Sphere installation.
6. Existing spot lighting system to be deactivated.
7. Existing sprinkler system to be retained. 1nr existing sprinkler is to be relocated and 1nr additional sprinkler provided.
8. 2nr HVAC Extract & 2nr HVAC Supply units to be provided . HVAC ducting to be extended to these locations and ceiling grills installed.
9. 2nr Floor boxes at Wall 03 to be relocated at Wall 01.

1.5 Existing Room Images

Photograph 1 - Existing Wall 01



Photograph 2 - Existing Wall 04



Appendix A - Power Requirements

Table A1 - Summary of Power Requirements for TX1310-65

Total power requirement for the TX1310-65 system.	0.93 kW
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Table A2 - Summary of Power Requirements for Participant Table

Power in table legs for conference participants.	1.44 kW
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Table A3 - Summary of Collab Sphere Power Requirements

Power requirement for Collab Sphere LED lighting system (8 No. Lights)	0.80 kW
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The Cisco TelePresence System TX1310-65 requires one 20amp circuit @ 120V (*US electrical code requires maximum 16amp on a 20amp circuit*). Two receptacles must be provided for this circuit. The Participant Table requires one additional circuit. One receptacle must be provided on this circuit. All three receptacles (Type 'A' or 'B') should be located in the floor boxes close to Wall 01 as shown on drg. S102.102.

Table A4 - TX1310-65 Power Consumption

Component	Maximum		Typical		Idle	
	W	Amperage @120V	W	Amperage @120V	W	Amperage @120V
65" Plasma Display	580.8	4.84	544.8	4.54	55.2	0.46
Lights	243.6	2.03	242.4	2.02	0	0
Codec w/CTT 12 & LCU	80.4	0.67	76.8	0.64	74.4	0.62
Audio/Video Extension Unit	26.4	0.22	24.0	0.2	24.0	0.2
POWER TOTAL for TX1310 65	931.2 W 7.76amps @ 120V		888 W 7.4 amps @ 120V		153.6 W 1.28 amps @ 120V	
Optional: Additional Power Requirements for power in Table Legs						
Convenient Ports (6 participants)	1.44	12	0.17	1.30	0.00	0.00

Note: Peripherals such as document cameras or alternate displays will require additional circuits and receptacles. Placement will depend on the type and location of the peripheral device.

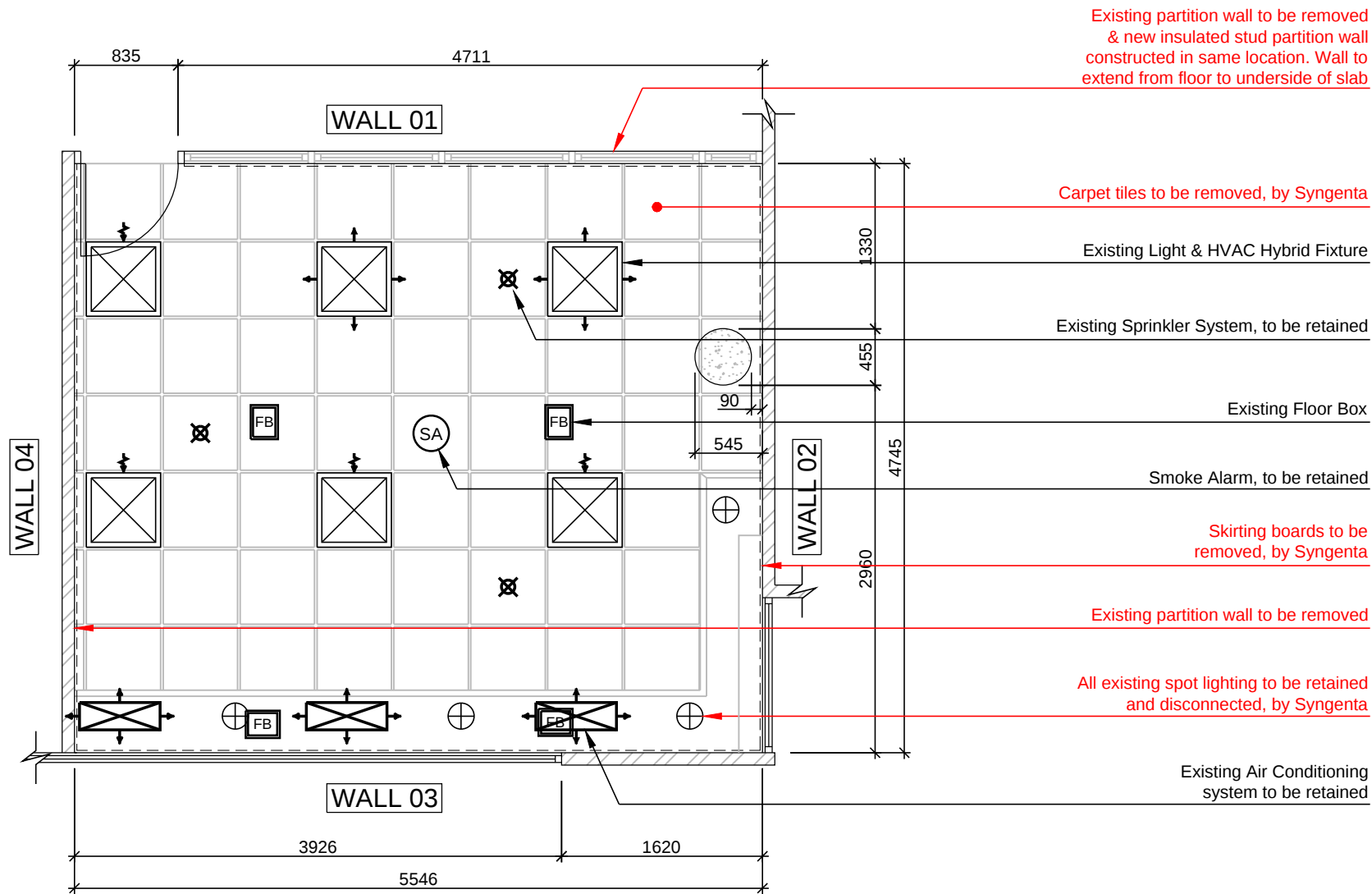
Appendix B - Network Requirements

Table B1 - Summary of TX1310-65 Network Requirements

Component	No. of Ports	Connection	Type
Codec (Required)	1	Wired	RJ-45 UTP Gigabit Ethernet port
Network in table legs for six conference participants	6	Wired	RJ-45 UTP port
Access Point	1	Wired	RJ-45 UTP port

As per the Power Requirements, the Network Requirements will also require the 8No. ports be located near the intended location of the endpoint in the floor boxes close to Wall (*as shown on drg S102.102*).

NOTE: All remediation work to be carried out by Syngenta is highlighted in RED.



Existing Layout (1:50)

KEY

- Proposed Panels
- Acoustic Sound Panels
- Wooden Veneer
- Existing Flooring
- Existing Walls
- Proposed Walls
- Sprinkler
- Fire Alarm Sounder
- Public Address Speaker
- LED Ceiling Light
- LED Emergency Ceiling Light
- Existing Light & HVAC Hybrid
- Passive Infrared Sensor
- Air Conditioning (Extract)
- Air Conditioning (Supply)
- Fan Supply
- Fan Extract
- Floor Box

2	14.09.12	RMS	General revisions to proposed ceiling layout
1	06.09.12	CF	Room design changed to CollabCube
REV.	DATE	MADE BY	DETAILS



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Customer: Syngenta

Project: Av. del Libertador 1855
Piso 2, Sala Topik

Title: Proposed Collab Sphere
Existing Room Layout

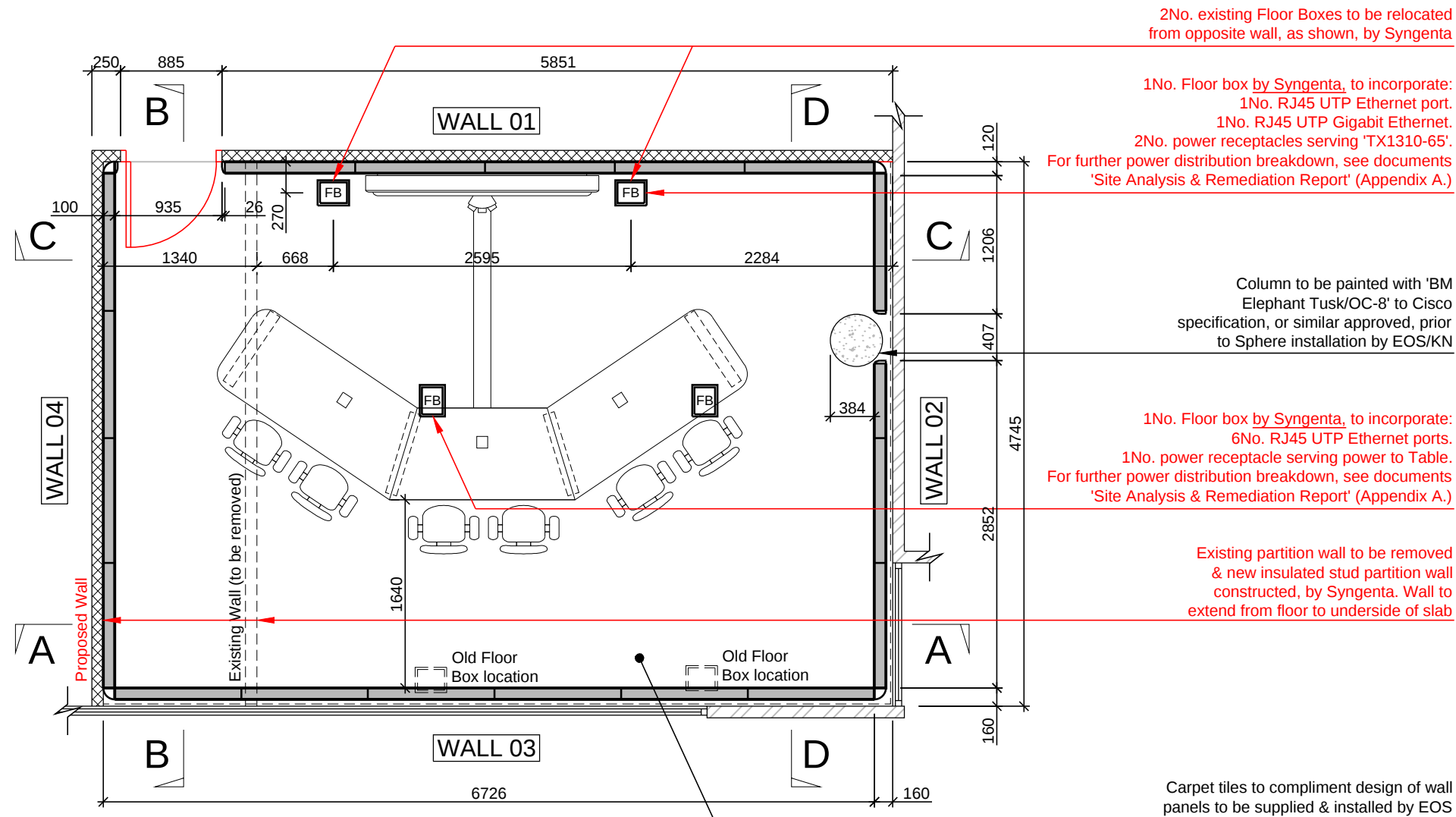
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Drawing Status:

FOR APPROVAL

NOTE: All remediation work to be carried out by Syngenta is highlighted in RED.



Proposed Collab Sphere Layout (1:50)

NOTE
Wall 02 & Wall 03 Panels to be manufactured with a rear MFC Panel (Grey)

KEY

- | | |
|------------------------------|---|
| Proposed Panels |  |
| Acoustic Sound Panels |  |
| Wooden Veneer |  |
| Existing Flooring |  |
| Existing Walls |  |
| Proposed Walls |  |
| Sprinkler |  |
| Fire Alarm Sounder |  |
| Public Address Speaker |  |
| LED Ceiling Light |  |
| LED Emergency Ceiling Light |  |
| Existing Light & HVAC Hybrid |  |
| Passive Infrared Sensor |  |
| Air Conditioning (Extract) |  |
| Air Conditioning (Supply) |  |
| Fan Supply |  |
| Fan Extract |  |
| Floor Box |  |

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Piso 2, Sala Topik

Title: Proposed Collab Sphere
Proposed Floor Layout

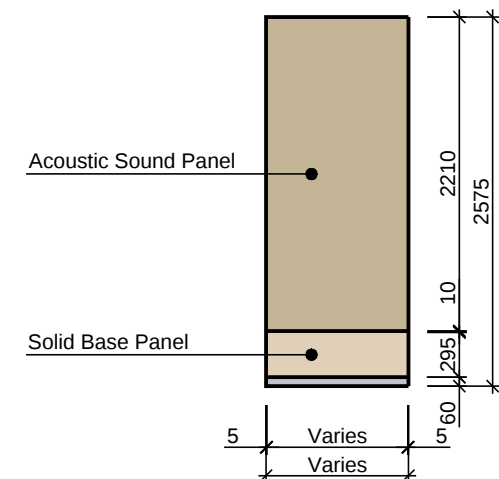
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S102 - 102 2

Scale: 1:50	Drawn: C.F	Check: TH	Date: 03.08.12
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Drawing Status:			
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FOR APPROVAL



Typical Panel Detail (1:50)

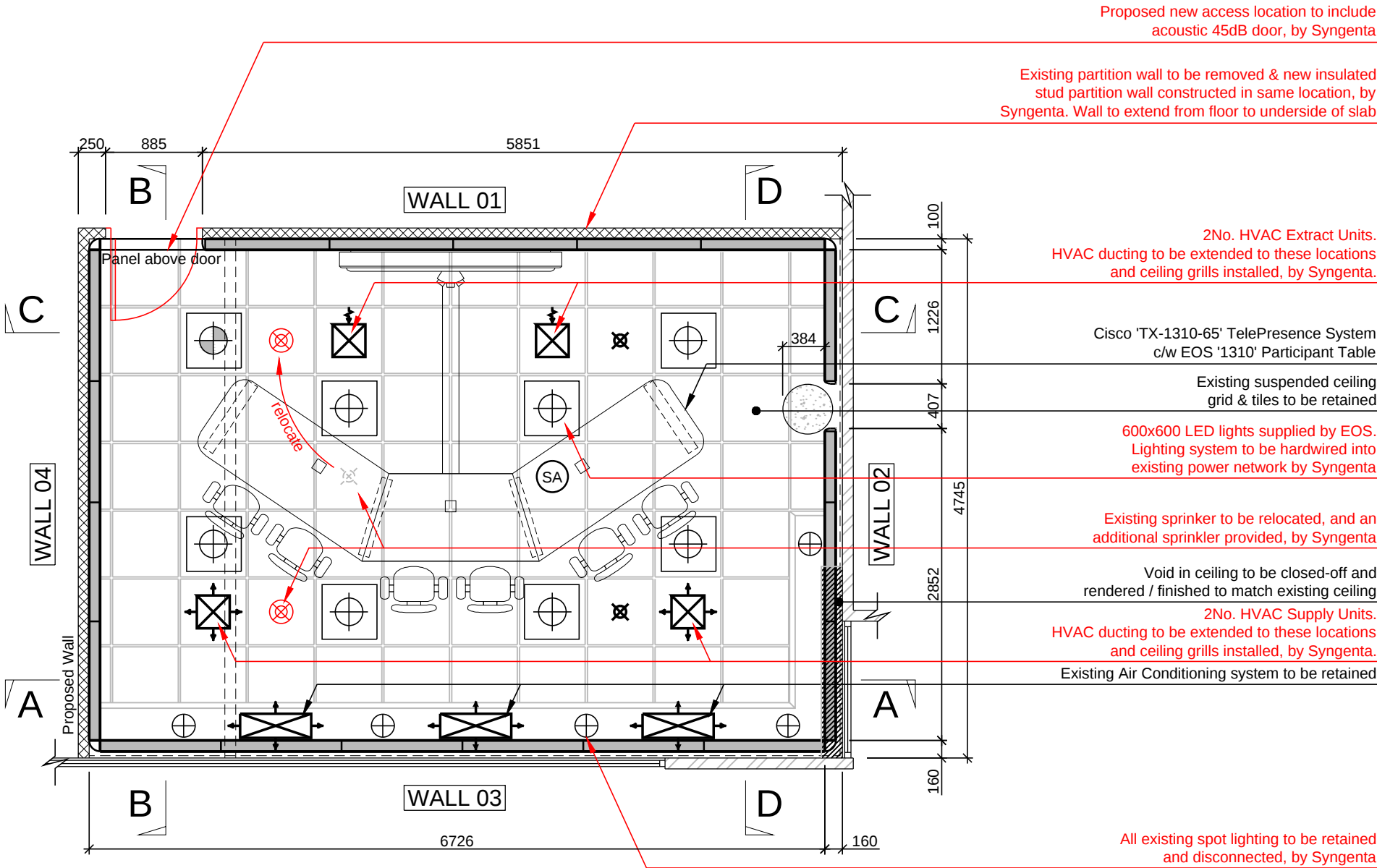
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NOTE: All remediation work to be carried out by Syngenta is highlighted in RED.

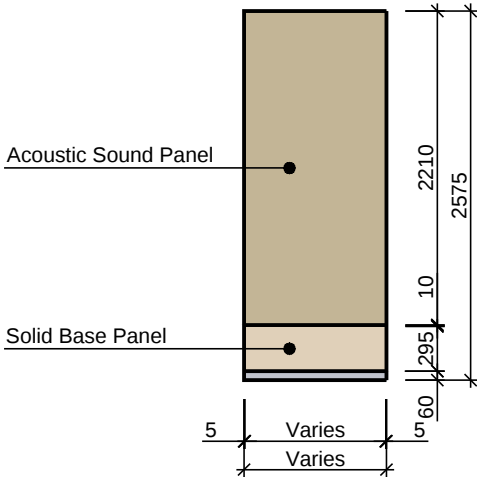
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KEY

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- Acoustic Sound Panels
- Wooden Veneer
- Existing Flooring
- Existing Walls
- Proposed Walls
- Sprinkler
- Fire Alarm Sounder
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- LED Ceiling Light
- LED Emergency Ceiling Light
- Existing Light & HVAC Hybrid
- Passive Infrared Sensor
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- Air Conditioning (Supply)
- Fan Supply
- Fan Extract
- Floor Box



Proposed Reflected Ceiling Plan (1:50)



Typical Panel Detail (1:50)

REV.	DATE	MADE BY	DETAILS
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Project: Av. del Libertador 1855
Piso 2, Sala Topik

Title: Proposed Collab Sphere
Reflected Ceiling Plan

Project No: Drawing No: Revision:
S102 - 103 2

Scale: 1:50 Drawn: C.F Check: TH Date: 03.08.12
Drawing Status:

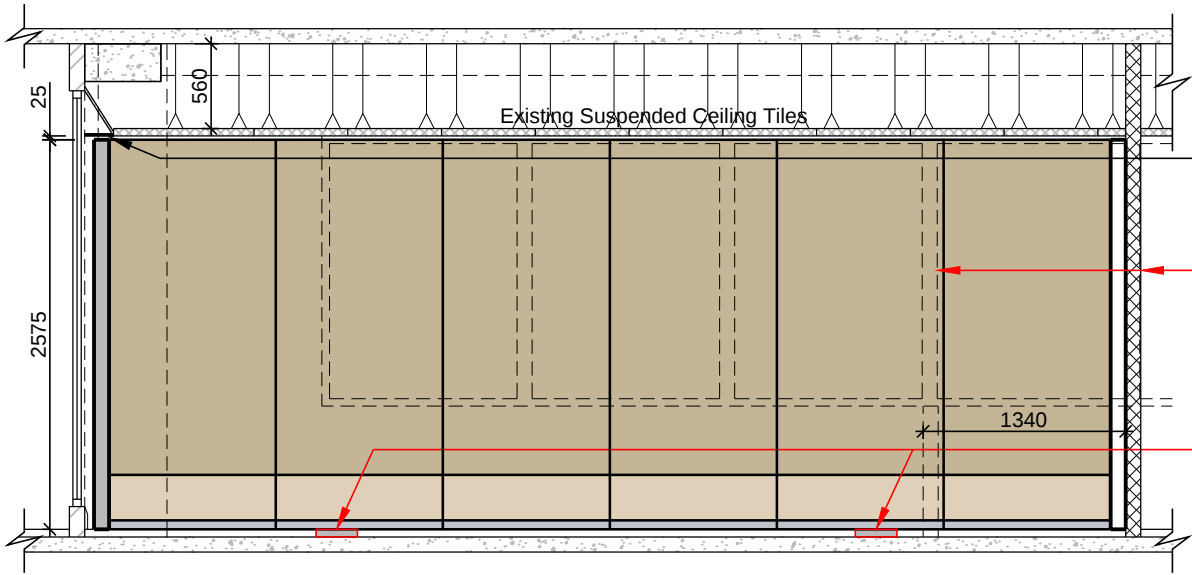
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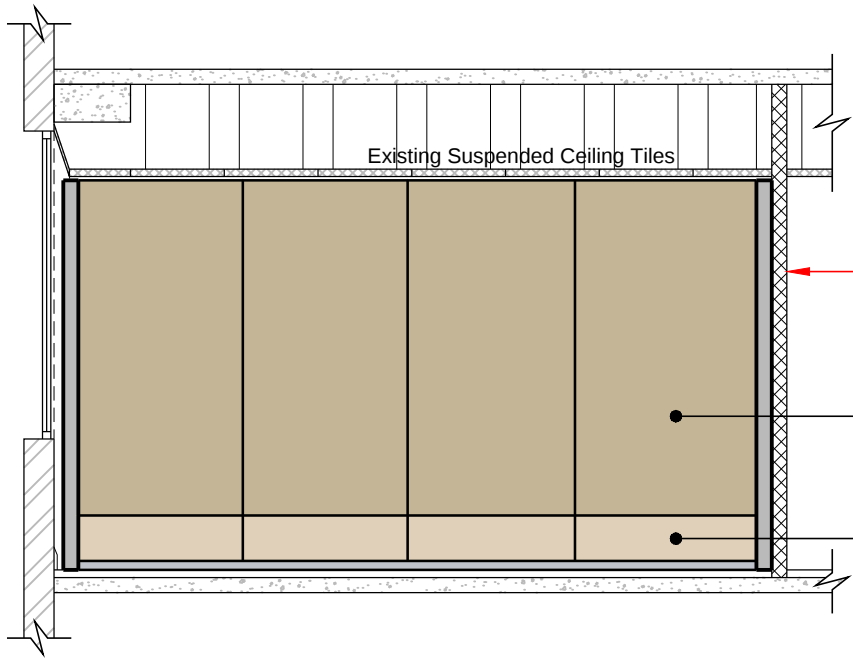
NOTE
Wall 02 & Wall 03 Panels to be manufactured with a rear MFC Panel (Grey)

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- Wooden Veneer
- Existing Flooring
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- Proposed Walls
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- Existing Light & HVAC Hybrid
- Passive Infrared Sensor
- Air Conditioning (Extract)
- Air Conditioning (Supply)
- Fan Supply
- Fan Extract
- Floor Box



Proposed Section A:A (1:50)



Proposed Section B:B (1:50)

Void in ceiling to be closed-off and rendered / finished to match existing ceiling

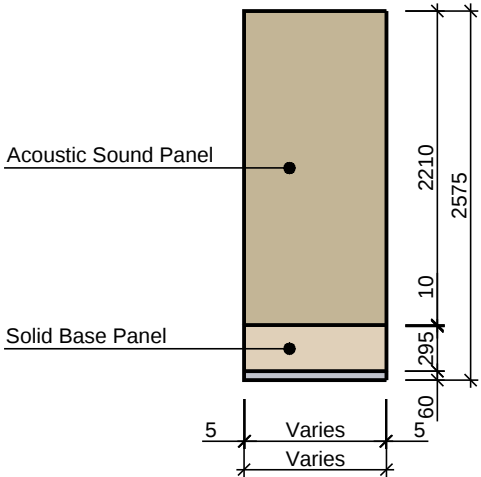
Existing partition wall to be removed & new insulated stud partition wall constructed, by Syngenta. Wall to extend from floor to underside of slab

2No. existing Floor Boxes to be relocated, to opposite wall, as shown on S102.102, by Syngenta

Existing partition wall to be removed & new insulated stud partition wall constructed in same location, by Syngenta. Wall to extend from floor to underside of slab

Acoustic Sound Panel:
BM Fabric 'Tundra 7064/A12 Carnegie'
to Cisco specification, or similar approved

Solid Base Panel:
BM Elephant Tusk/OC-8' to Cisco
specification, or similar approved



Typical Panel Detail (1:50)

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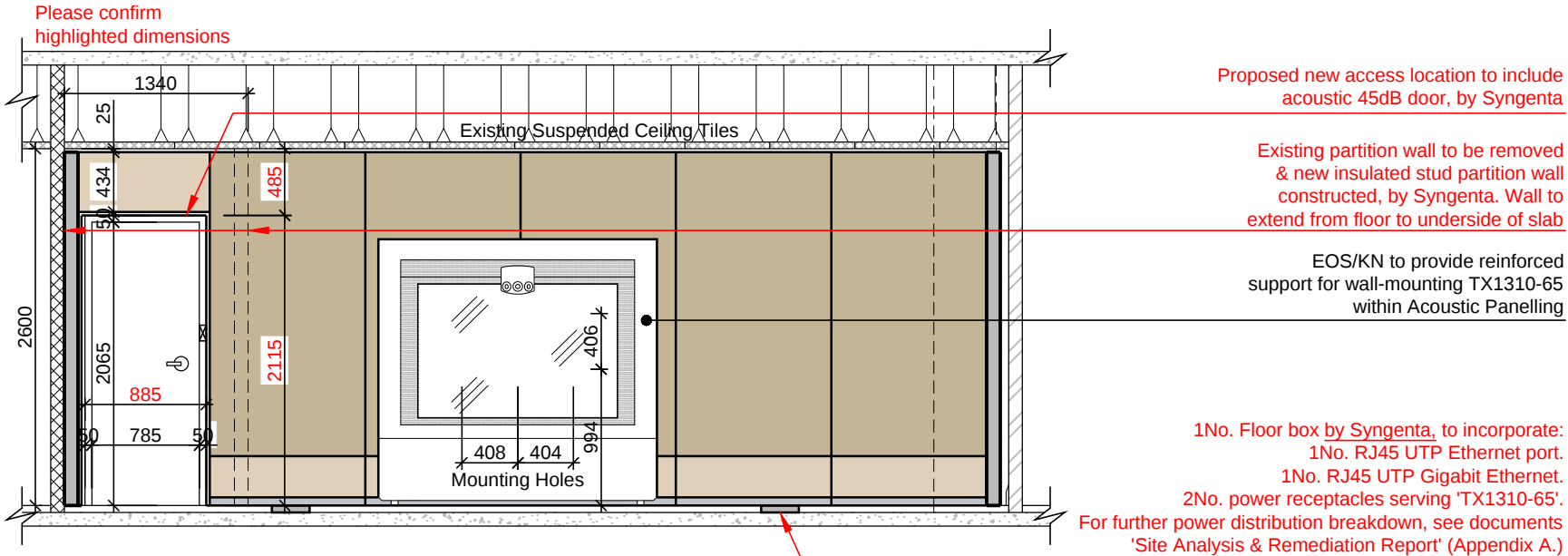
Title: Proposed Collab Sphere
Sections A & B

Project No:	Drawing No:	Revision:
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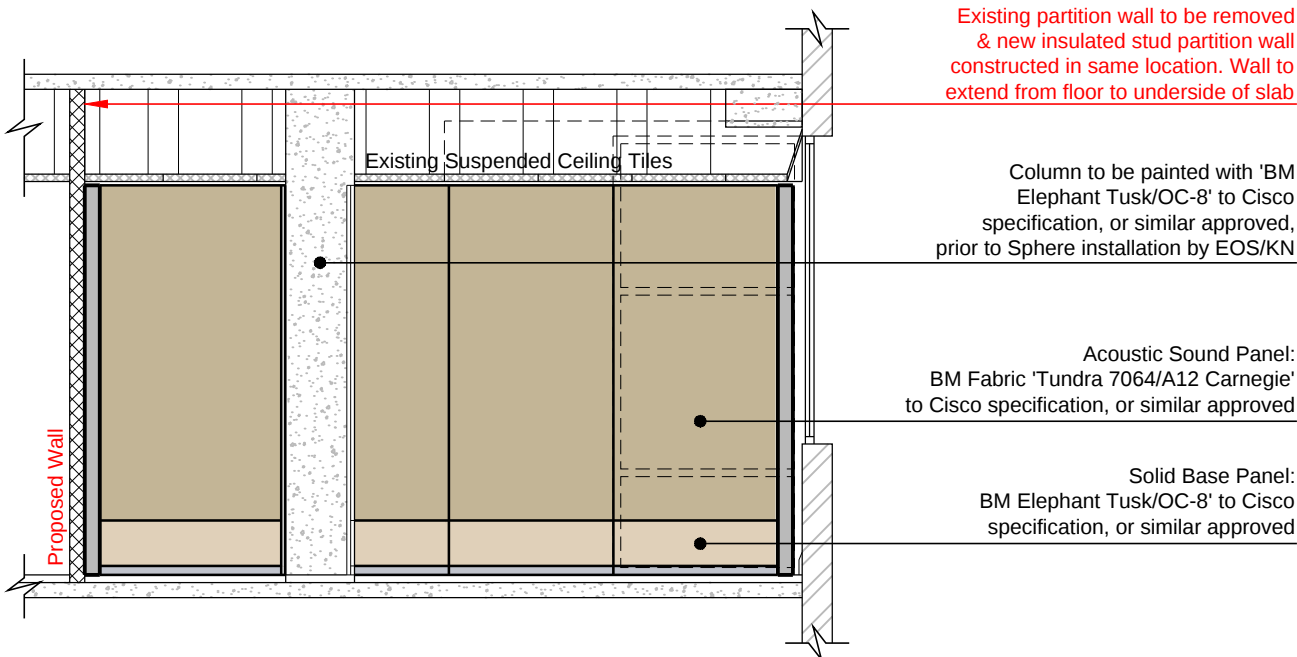
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Drawing Status:
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Proposed Section C:C (1:50)



Proposed Section D:D (1:50)

NOTE
Wall 02 & Wall 03 Panels to be manufactured with a rear MFC Panel (Grey)

KEY

- | | |
|------------------------------|---|
| Proposed Panels |  |
| Acoustic Sound Panels |  |
| Wooden Veneer |  |
| Existing Flooring |  |
| Existing Walls |  |
| Proposed Walls |  |
| Sprinkler |  |
| Fire Alarm Sounder |  |
| Public Address Speaker |  |
| LED Ceiling Light |  |
| LED Emergency Ceiling Light |  |
| Existing Light & HVAC Hybrid |  |
| Passive Infrared Sensor |  |
| Air Conditioning (Extract) |  |
| Air Conditioning (Supply) |  PIR |
| Fan Supply |  FS |
| Fan Extract |  FE |
| Floor Box |  |

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Proposed Collab Sphere
Sections C & D

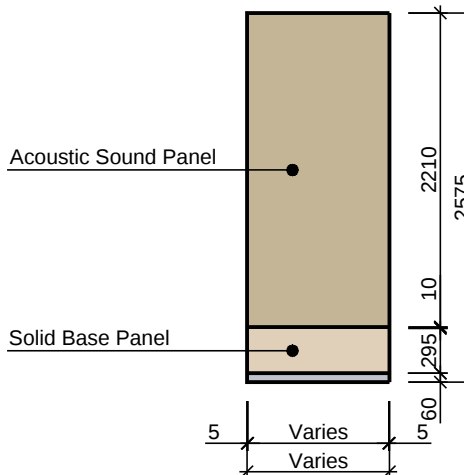
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S102 - 105 2

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Drawing Status:

FOR APPROVAL



Typical Panel Detail (1:50)