

Structural Inspection Report



Address:

Barclays, 2-6 High St, Salisbury, SP1 2NP

Prepared for:

Fit Out (UK) Ltd

Our Ref: 26073

28/04/2026

Document Issue

Revision	Date	Purpose of Issue
1.1	28/04/2026	Initial Issue

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BEng (Hons)

27/04/2026

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MEng, GMICE, GMIStructE

28/04/2026

DISCLAIMER

Private and Confidential – This report has been prepared in accordance with the instructions, solely for the confidential use of the above-mentioned client and on the condition that the client accepts the terms stated in the fee proposal.

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1. INTRODUCTION

1.1 INSPECTION REPORT SUMMARY

At the request of Fit Out (UK) Ltd, Samuely Consulting conducted a visual inspection at Barclays, Salisbury on 19/03/2026. The purpose of this inspection was to assess the existing structure for the design and installation of a new mezzanine frame within. The mezzanine is intended to accommodate the proposed ATM machines.

1.2 SCOPE AND OBJECTIVES

The objectives of the inspection and this report are as follows:

- Visually inspect accessible areas at basement and ground floor levels to understand the structural form and construction of the building to facilitate the design of the principal structural members of a new mezzanine structure.

Detailed structural design of the proposed structure together with the specification of temporary propping requirements associated with the removal of the ground floor slab will be produced separately and does not form part of this report.

1.3 INSPECTION METHODOLOGY AND LIMITATIONS

This report is based solely on a visual inspection conducted within the building. All measurements, where noted, should be considered approximate.

Areas that were covered, concealed, or inaccessible at the time of inspection were not assessed. As such, this report does not confirm the absence of defects in such areas, and no liability is accepted for any hidden, latent, or inherent defects that might be revealed through more thorough invasive examination.

1.4 CONFIDENTIALITY AND LIMITATION OF USE

This report has been prepared exclusively for the use of Fit Out (UK) Ltd and their direct client. It is confidential and must not be reproduced, in whole or in part, or relied upon by any third party for any purpose without the prior written consent of Samuely Consulting.

Samuely Consulting accepts no liability for any use of this report other than for the specific purpose for which it was commissioned.

2 PROPERTY DESCRIPTION AND OBSERVATIONS

2.1 DESCRIPTION OF BUILDING

Barclays Bank, located at 2-6 High St, Salisbury, SP1 2NP, is spread across two buildings occupying the basement and ground floor levels of the larger four-storey building and ground floor of the smaller three-storey building. The ground floor comprises the primary banking hall and all customer facing areas, e.g. consultation rooms, counters and ATMs, in addition to the back offices and various ancillary areas, e.g. storage, WCs etc. The basement floor consists primarily of the secure storage areas of the branch. It is understood there is no basement below ground floor level to the smaller three-storey building.

A hotel occupies the two upper floors of the larger building. Limited visual inspection was completed to the first floor. A first-floor plan is shown in Appendix A.3, though its scale and accuracy cannot be confirmed.

2.2 BUILDING STRUCTURAL FORM & OBSERVATIONS

Based on observations made during the non-intrusive visual inspection of the ground and basement floors, the walls of the larger building are of masonry loadbearing construction with a stone façade to the exterior. Inspection of the smaller three-storey building was limited though this building is not the subject of the proposed works.

The basement floor structure was observed to comprise a concrete ground bearing slab. Based on visual inspection alone, it was not possible to determine the presence of reinforcement, though the age of the building would indicate this is likely an unreinforced mass concrete slab, corroborated by investigations completed by C A Drillers Ltd on 22/04/2026. Various loadbearing masonry walls, masonry piers and columns offer vertical support to walls, beams, slabs and other floor members throughout. Several of the masonry piers and steel columns are later additions, installed to accommodate changes to the loading above such as alterations to load bearing walls and increased floor loads etc.

Where the proposed works are to take place at the northern elevation of the building, the ground floor structure was observed to comprise of primary steel beams supporting a hollow pot and beam floor system, as confirmed by investigations completed by C A Drillers Ltd on 22/04/2026. The proposed works cut through the spans of the beams of the pot and beam

floor system, as well as one of the supporting steel beams, therefore additional supporting members will be required to provide adequate support.

Overall ground floor depths appear to vary in other areas based on varying ceiling heights and beam down stand depths. Exact beam section sizes, slab depths and reinforcement details, i.e. bar sizes, spacing and cover, could not be confirmed from the visual inspection alone.

2.3 PROPOSED DESIGN & ATMS

The proposed works comprise primarily of internal changes to the northern elevation. To achieve the relevant accessibility standards, new ATM machines are to be installed at a lower operating height than existing. The existing machines are 1.13m from external ground level whilst the new machines are proposed at 0.69m from external ground level. A level difference of circa 0.44m exists between the internal ground floor level and the external ground level at the location of installation. To achieve this, the proposals set out an internal level reduction of 0.44m, facilitating a secure, self-contained ATM service area accessed from the current waiting area. This arrangement effectively forms a mezzanine level within the existing structure.

2.4 CONCLUSION AND RECOMMENDATIONS

A visual inspection completed at Barclays, Salisbury has confirmed the following:

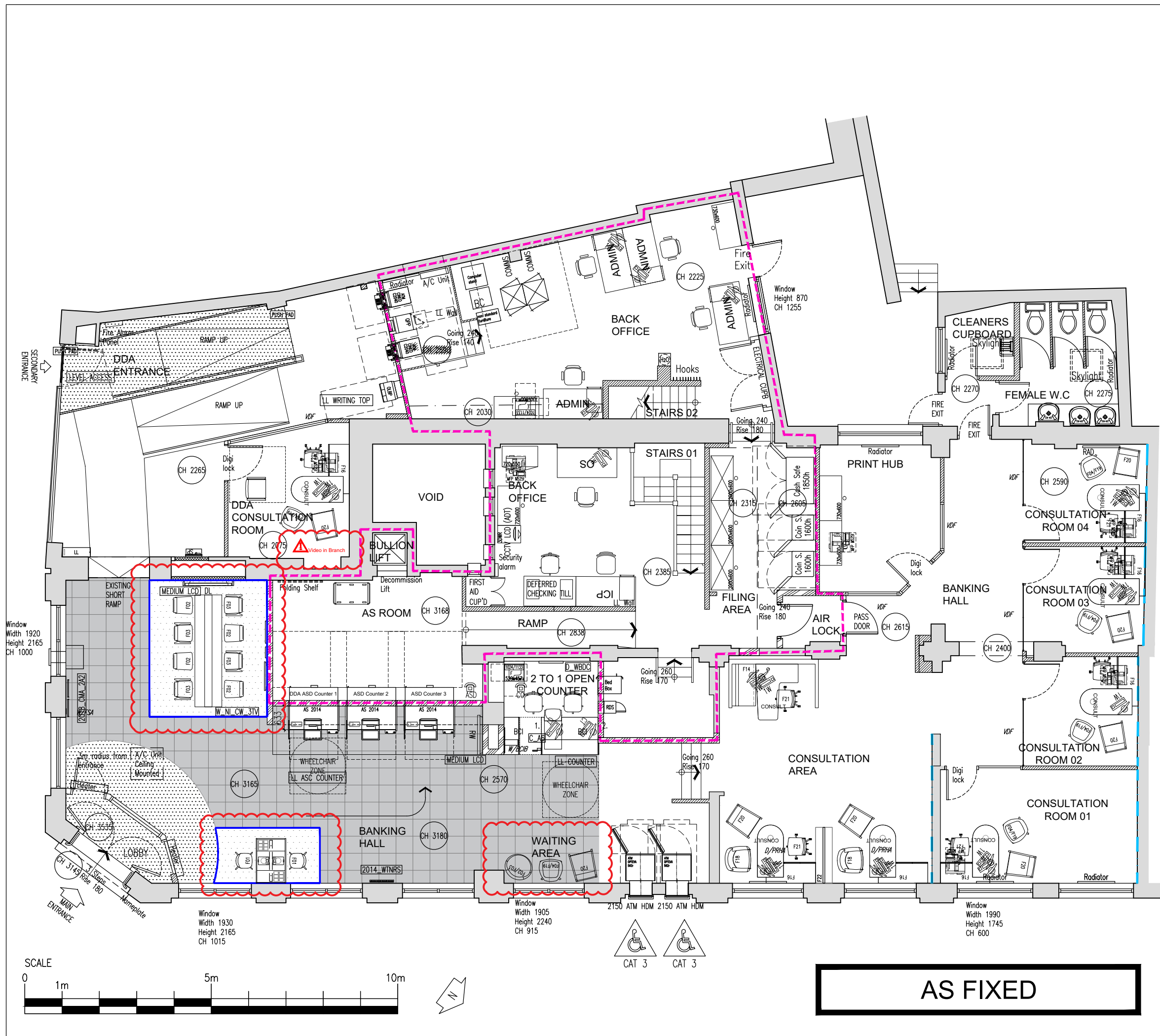
- The primary structure on the basement and ground floors are of masonry loadbearing construction with a stone exterior a concrete slab to the basement floor and a hollow pot and beam ground floor system.
- The areas where the proposed works are due to take place appear in good structural condition.
- The position of the proposed works effectively crosses two “bays” of the ground floor slab and interferes with existing structural elements which will require the design and installation of new structural members to support.

The following recommendations are advised:

- Intrusive surveys to the basement and ground floor slabs are required to supplement the information gathered during the visual inspection and to inform the design of the proposed structure. Appendices A.5 and A.6 provide the locations and requirements for inspection. Where core samples are taken, compressive strength testing is required for design input. Localised breakouts may be required where ferroscons are unable to provide information on reinforcement sizing, spacing and depths.

3 APPENDIX A – EXISTING AND PROPOSED PLANS

A.1 – EXISTING GROUND FLOOR PLAN



NOTE
This drawing has been prepared from historical information that cannot be guaranteed accurate. Responsibility is not accepted for errors made by others in scaling from this drawing. All construction information should be taken from figured dimensions only. All dimensions should be checked on site prior to the manufacture of any components. No services should pass through or over the Boxes & Parcels room. No sprinklers to be located in the Comms Room

HATCHING

- New Secure Partition wall
- New Partition wall
- Book Room Secure wall
- Existing Partition wall
- Structural wall
- Area not in scope
- Barrier Matting
- Banking Hall Vinyl Flooring
- Staff Room Vinyl Flooring

DATE : REV : DRAWN : CHECKED : NOTES :

Morris & Spottiswood
Garrett House,
Garrett Field,
Birchwood,
Warrington,
WA3 7BP.
Tel 01925 284610

morris & spottiswood

Project

SALISBURY HIGH STREET
2-6 HIGH STREET
SALISBURY, WILTSHIRE
SP1 2NP
PIM No.13249

BARCLAYS

Drawing Title

**GROUND FLOOR LAYOUT
AS FIXED
CTA 2020**

Branch Sort Code 20-75-01	Branch ID 00	Supplier Project No RMMBS10270
Scale 1:100@A3	Drawn RC	Checked SGI
Drg.No RPT3452_001	Date 15/12/2020	Revision -

Architectural Practice: MORRIS & SPOTTISWOOD

A.2 – EXISTING BASEMENT FLOOR PLAN

NOTE
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All dimensions should be checked on site prior to the manufacture of any components

HATCHING

New Secure partition wall

New Fire Resistant Secure Partition wall

New Partition wall

New Fire Resistant Partition wall

Book Room Secure wall

Existing Partition wall

Solid wall

Dry Lining

Amtico Stone Effect Flooring

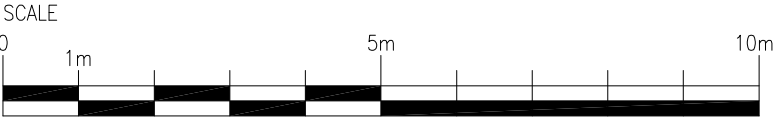
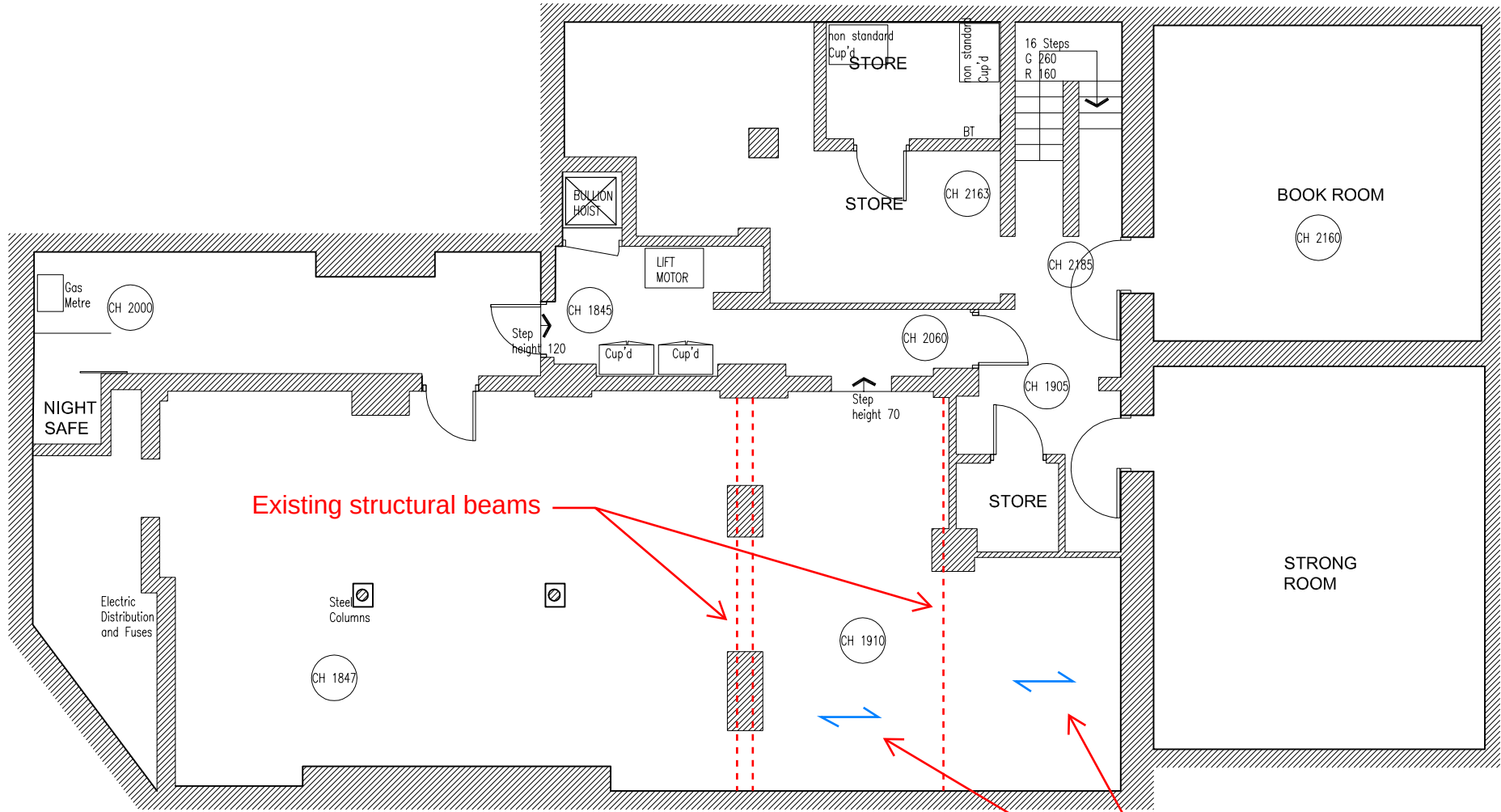
Amtico Steamed Ash Flooring

Barrier matting

2008 Hard Flooring 1200x600

2008 Hard Flooring 600x300

Area not in scope



DATE :

REV

DRAWN

CHECKED

NOTES

bell associates

architects/designers

Unit J, Lombard Business Park

20-26 Purley Way, Croydon CRO 3JP

Tel. 0208 689 4696

Fax. 0208 683 4131

E-mail: design@bellassociates.co.uk

Project

SALISBURY

2-6 HIGH STREET

SALISBURY, WILTSHIRE

SP1 2NP

PIM No. 13249

BARCLAYS

Drawing Title

BASEMENT FLOOR LAYOUT

AS FIXED

ASSET SURVEY 2010

Branch Sort Code

20-75-01

Branch ID

00

Supplier Project No

Scale

1:100@A3

Drawn

JA

Checked

PC

Date

NOV' 10

Drg.No

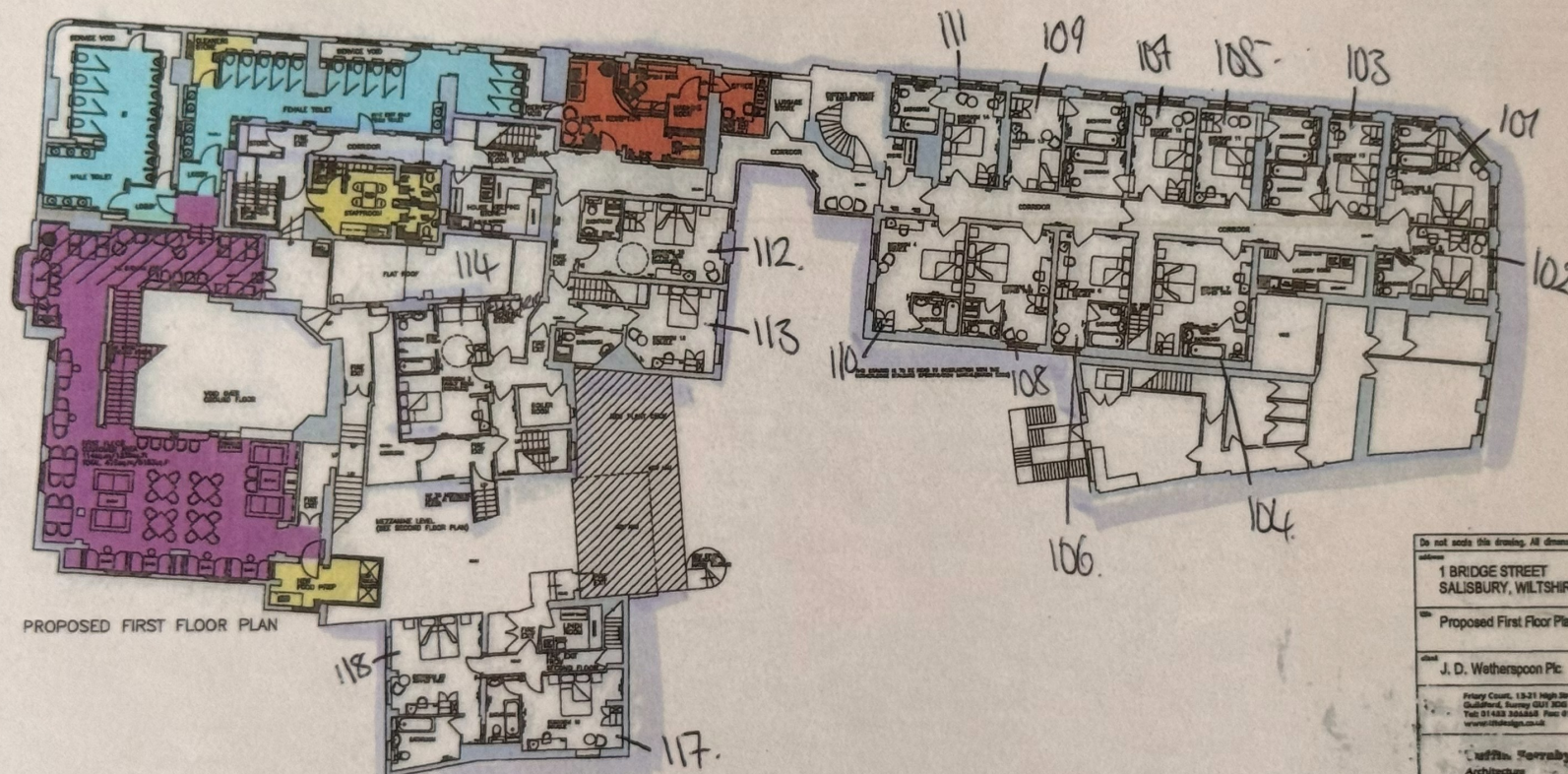
174-318-200

Revision

Barclays FM Project No.

A.3 – EXISTING FIRST FLOOR PLAN

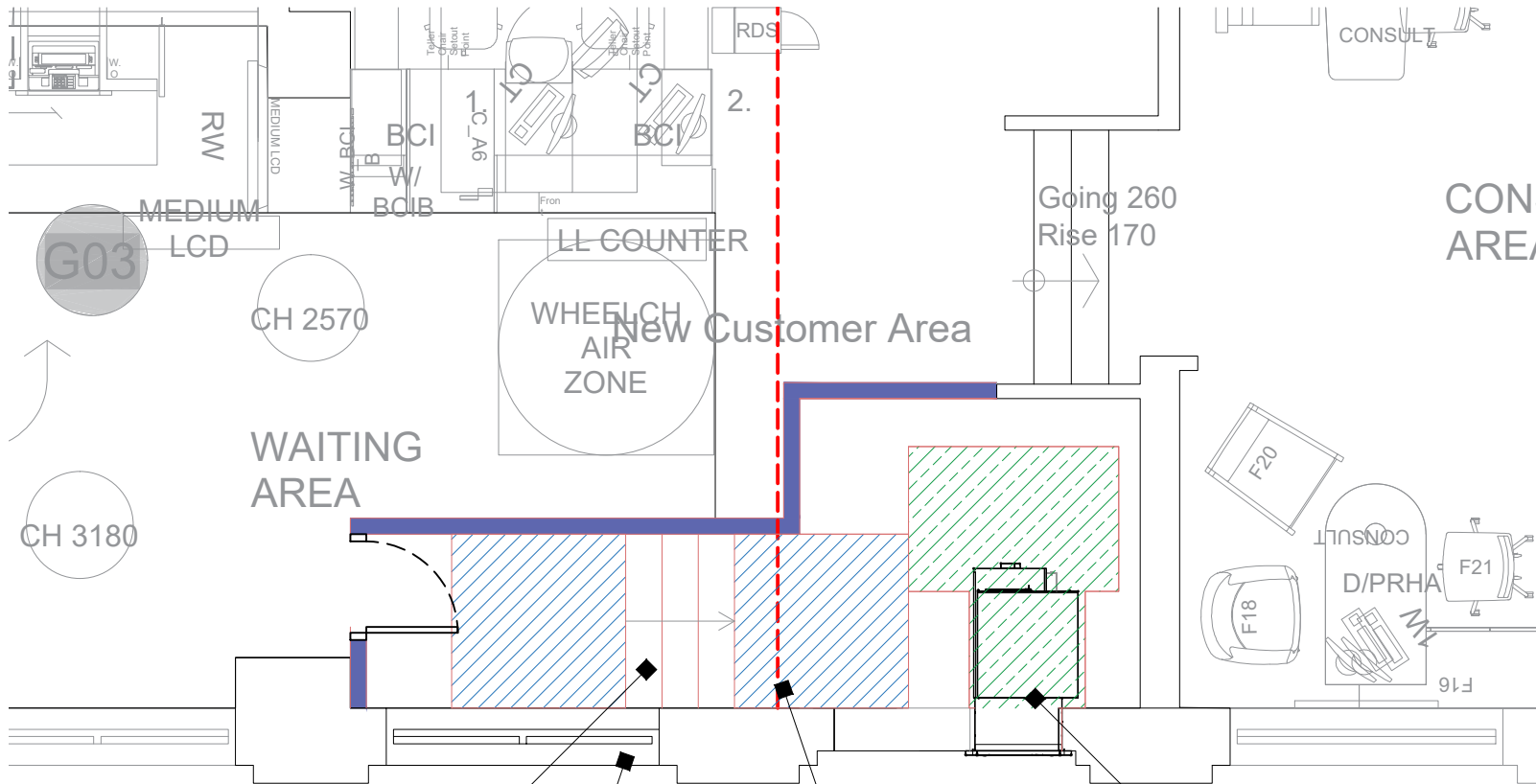
HOTEL + PUB BUILDING SCHEMATICS
 TO BE STORED WITH ERP AT ALL TIMES
 05/08/19-G.U.



PROPOSED FIRST FLOOR PLAN

Do not scale this drawing. All dimensions to be checked on site.			
1 BRIDGE STREET SALISBURY, WILTSHIRE			
Proposed First Floor Plan			
J. D. Wetherspoon Plc.			
Entry Count: 15-21 High Street Salisbury, Wiltshire SP1 1BS Tel: 01443 300000 Fax: 01443 300000 www.jdwetherspoon.co.uk			
J. D. Wetherspoon & Taylor Architecture Surveying Interior Design Project Management			
date 03/03	checked JDP	drawing no. 102	sheet H

A.4 – PROPOSED SECURE ATM SERVICE AREA



Three steps down into the pit. Required landing areas indicated with blue hatch. The area to the right of the top landing will need to be lowered to 440mm from existing finished floor level.

The proposed layout assumes secure partitions, which would block this window from the main customer area, reducing natural light levels within the customer space. The ATM service area, however, would benefit from the natural light.

ATM shown with hatched clear maintenance zone. Currently positioned right-aligned; can be relocated to a central position within the indicated wall layout if required for planning.

Red dashed line indicates existing structure. Proposed layout conflicts with this structure and may result in significant cost implications and extensive demolition for the client.

Rev	Description	Date
P01	Feasibility.	17/11/2025

Client:
FIT OUT UK

Project Title:
SALISBURY - BARCLEYS

RLB ID: Drawing Number:
01

Drawing Title:
BARCLEYS - SALISBURY ATM PROPOSED

Stage:	Status:	Revision:
FEASIBILITY	S0	P01

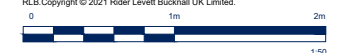
Date:	Size:	Scale:
17/11/2025	A4	1:50



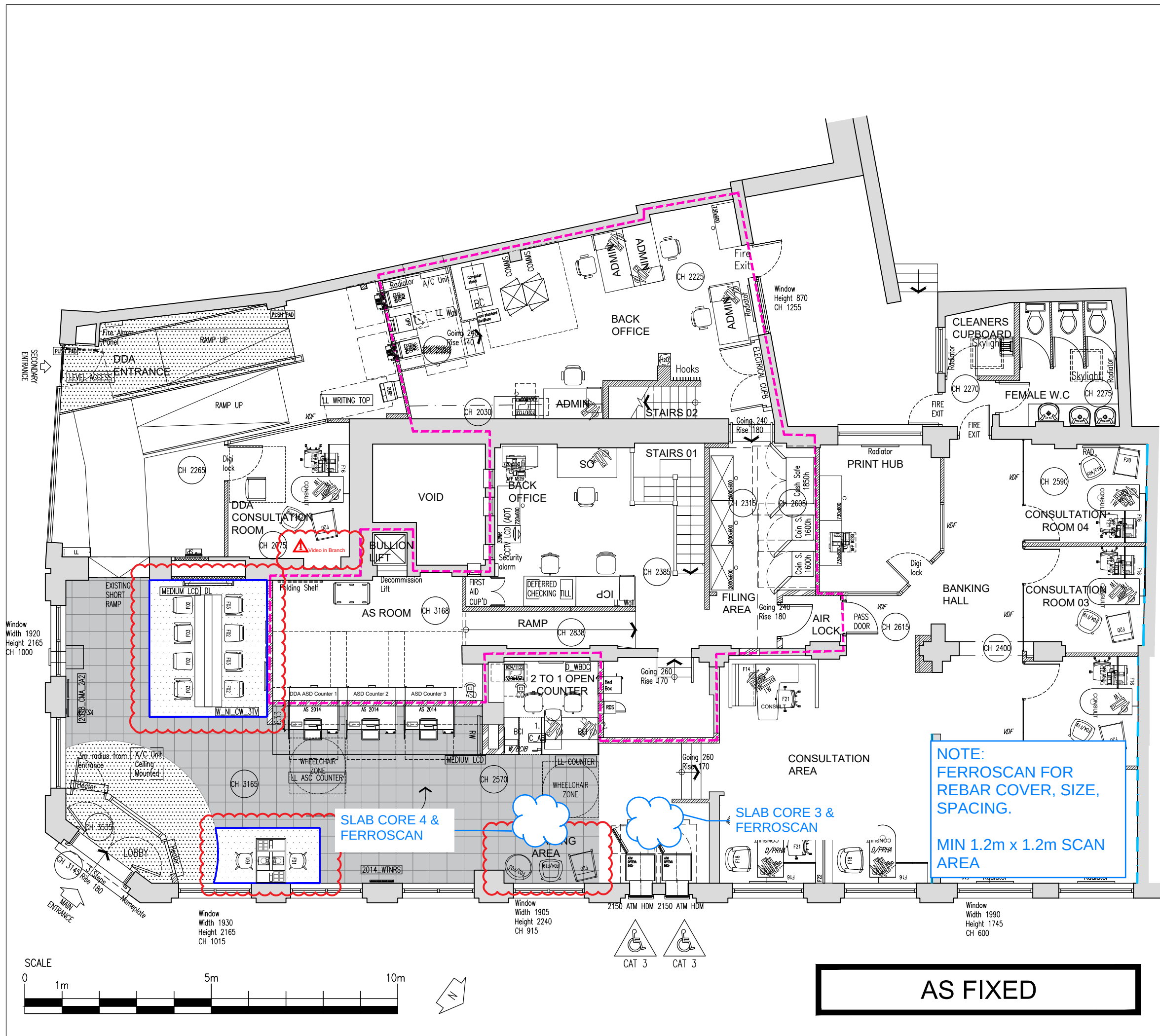
86 Queens Ave, Bristol, UK, BS8 1SB
+44 (0) 117 974 1122 RLB_UK RLB.com

Contact: Said.Shaikh@uk>RLB.com
Author: Anthony.Newbury@uk.RLB.com
QA: ---

This drawing is to be read in conjunction with all other associated specifications, schedules, drawings and information issued.
Do NOT scale this drawing. Check and verify ALL dimensions and levels and on site before work commences. For discrepancies or omissions contact Rider Levett Bucknall.
All work and materials to conform with current applicable statutory legislation and regulations.
All work to comply with Construction Design Management (CDM) 2015.
Drawings to be printed in colour, to the scale stated in the title block.
Print colour check (CMYK) Print size check 8mm
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A.5 – GROUND FLOOR INVESTIGATION LOCATIONS



NOTE
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- HATCHING**
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Morris & Spottiswood
Garrett House,
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WA3 7BP.
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morris & spottiswood

Project

SALISBURY HIGH STREET

2-6 HIGH STREET
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BARCLAYS

Drawing Title

GROUND FLOOR LAYOUT

AS FIXED

CTA 2020

Branch Sort Code	Branch ID	Supplier Project No	
20-75-01	00	RMMBS10270	
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1:100@A3	RC	SGI	15/12/2020
Drg.No			Revision
RPT3452_001			-
Architectural Practice: MORRIS & SPOTTISWOOD			

A.6 – BASEMENT FLOOR INVESTIGATION LOCATIONS

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New Fire Resistant Secure Partition wall

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Book Room Secure wall

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Solid wall

Dry Lining
- Amtico Stone Effect Flooring

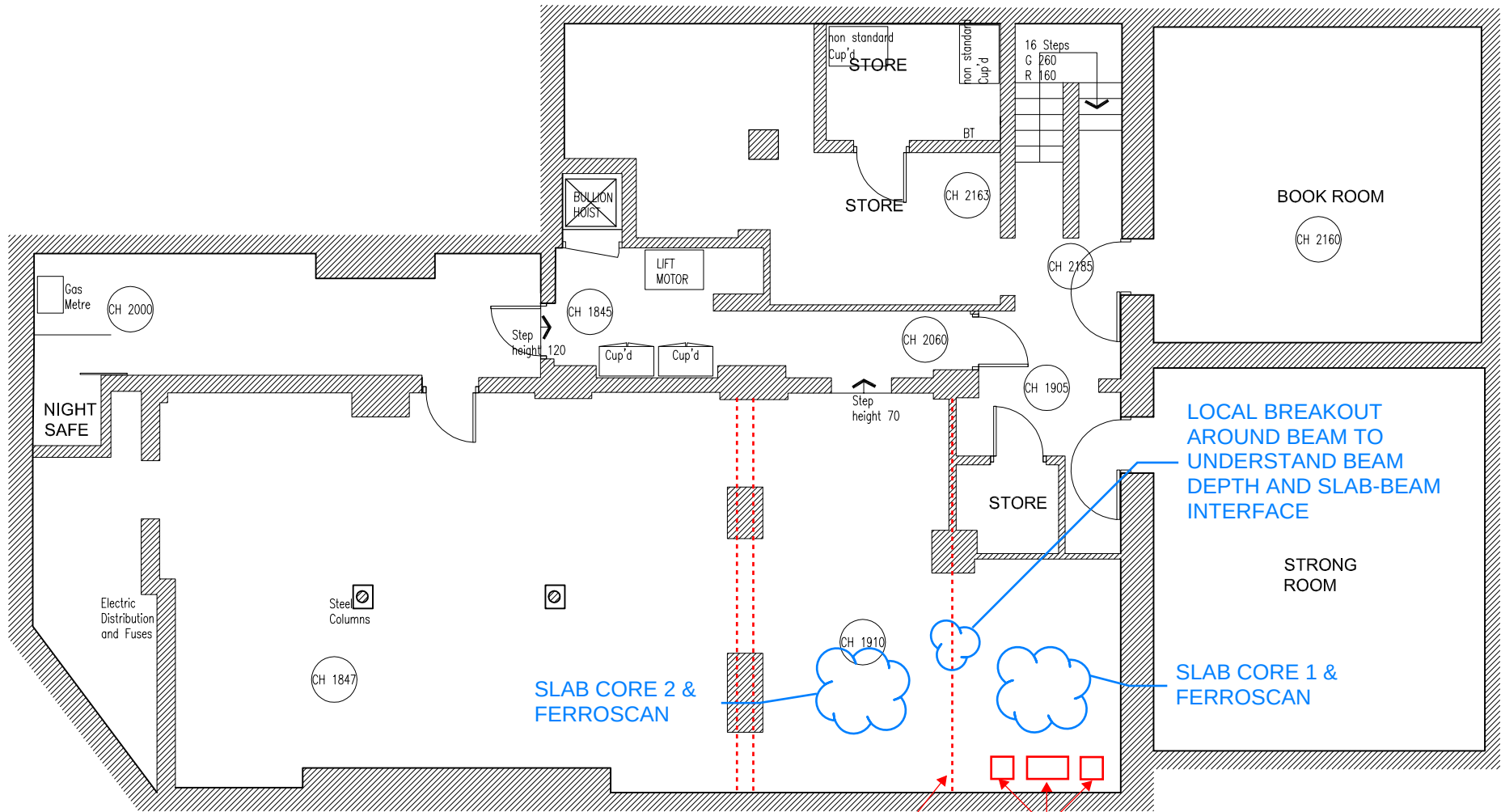
Amtico Steamed Ash Flooring

Barrier matting

2008 Hard Flooring 1200x600

2008 Hard Flooring 600x300

Area not in scope

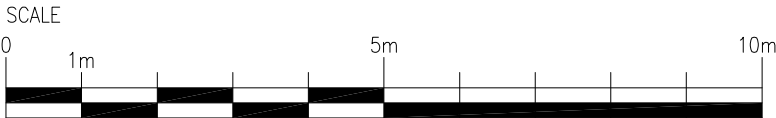


EXISTING
BEAM
ABOVE

EXISTING
PIERS

NOTE:
FERROSCAN FOR
REBAR COVER, SIZE,
SPACING.

MIN 1.2m x 1.2m SCAN
AREA



DATE :

REV

DRAWN

CHECKED

NOTES

bell associates

architects/designers

Unit J, Lombard Business Park
20-26 Purley Way, Croydon CRO 3JP
Tel. 0208 689 4696
Fax. 0208 683 4131
E-mail: design@bellassociates.co.uk

Project

SALISBURY

2-6 HIGH STREET
SALISBURY, WILTSHIRE
SP1 2NP
PIM No. 13249

Drawing Title

BASEMENT FLOOR LAYOUT

AS FIXED

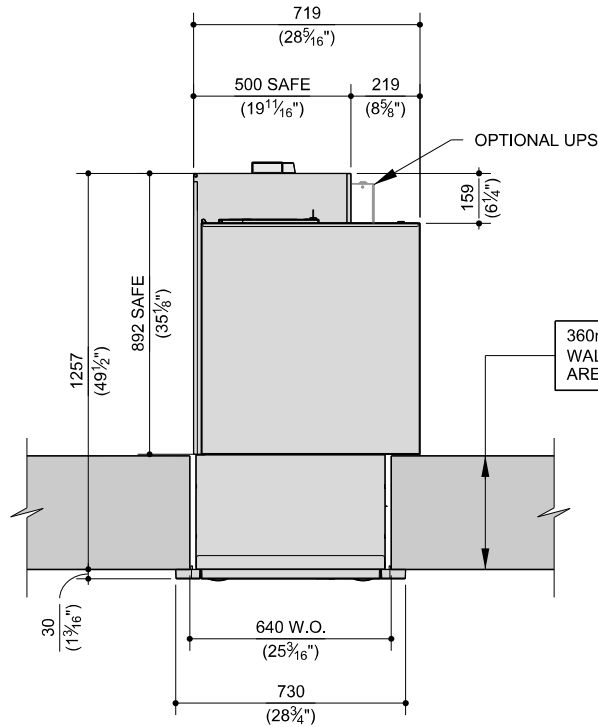
ASSET SURVEY 2010

Branch Sort Code 20-75-01	Branch ID 00	Supplier Project No	
Scale 1:100@A3	Drawn JA	Checked PC	Date NOV' 10
Drg.No 174-318-200			Revision
Barclays FM Project No.			

4 APPENDIX B – PROPOSED ATM SPECIFICATIONS

CONSULT WITH DIEBOLD NIXDORF INSTALLATION/SERVICE
BRANCH FOR ADDITIONAL DETAILS AND INFORMATION.

DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)

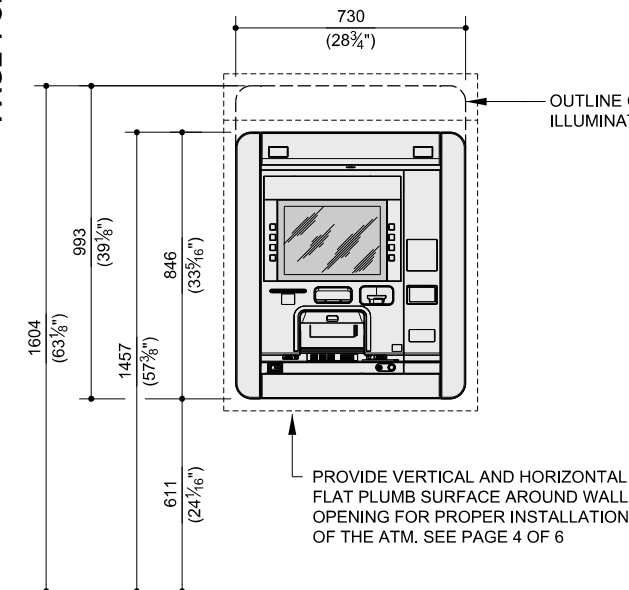


PLAN

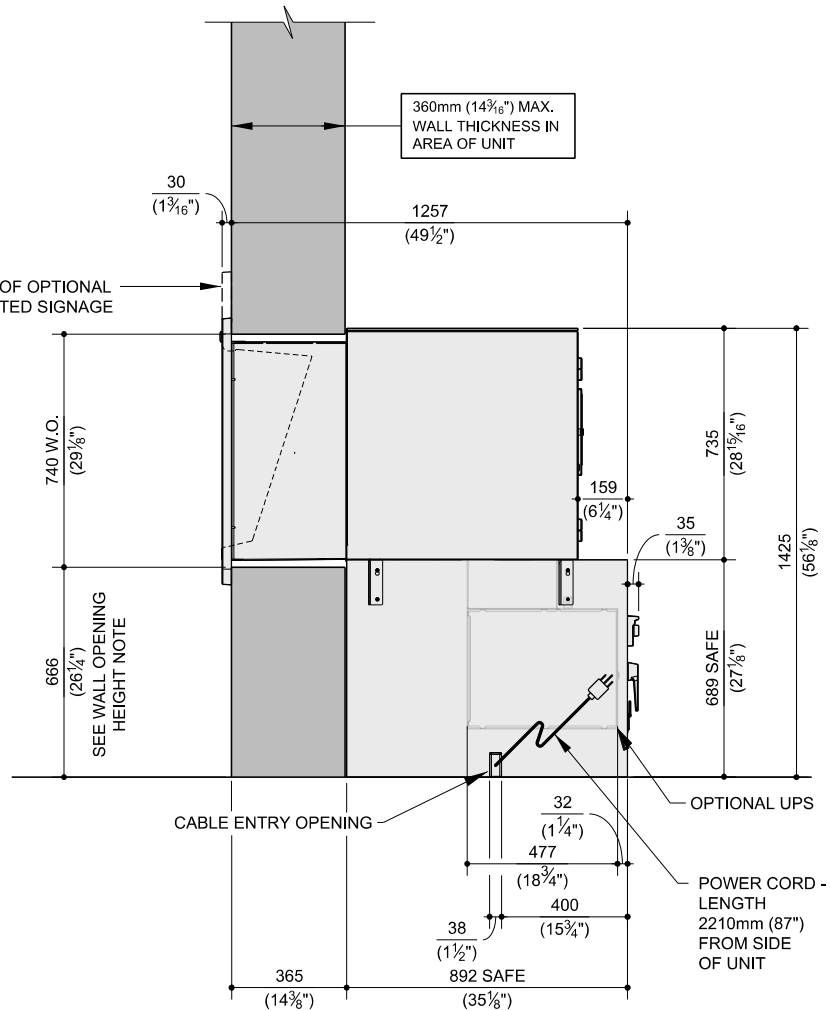
WALL OPENING HEIGHT NOTE

VERIFY INSIDE FLOOR AND EXTERIOR LEVEL HEIGHTS PRIOR TO CONSTRUCTING WALL OPENING. IF INSIDE FLOOR LEVEL IS NOT EQUAL TO THE EXTERIOR LEVEL, REQUIRED OPERATING HEIGHTS MAY NOT BE MET FOR ACCESSIBILITY STANDARDS (ADA, CSA, CAE, CEN, ETC.). CALCULATE THE CONSUMER ACCESS DIMENSIONS ON PAGE 2 OF 6 FROM SAFE BOTTOM.

*ALL DIMENSIONS AND DESIGN CRITERIA
SUBJECT TO CHANGE WITHOUT NOTICE*



FRONT ELEVATION
15" DISPLAY SHOWN



SECTION

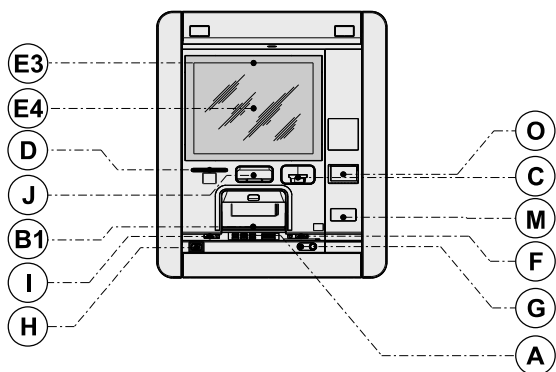
DN SERIES™ 450 WALK-UP THROUGH THE WALL - 356mm (14") COLLAR CEN I, CEN III, CEN IV, CEN III EXGAS and CEN IV EXGAS SAFES

CONSUMER ACCESS DIMENSIONS

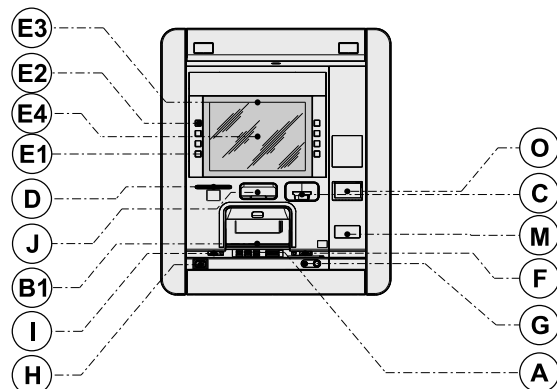
		* HEIGHT	DEPTH
(A)	KEYPAD (CENTER KEY 5 PIP)	746mm (29 $\frac{5}{16}$ ")	74mm (2 $\frac{9}{16}$ ")
(B1)	CASH IN / OUT	791mm (31 $\frac{1}{16}$ ")	157mm (6 $\frac{3}{16}$ ")
(C)	CARD READER	932mm (36 $\frac{1}{16}$ ")	186mm (7 $\frac{5}{16}$ ")
(D)	RECEIPT PRINTER	951mm (37 $\frac{7}{16}$ ")	165mm (6 $\frac{1}{2}$ ")
(E1)	(STD) LOW SOFTKEY	1058mm (41 $\frac{1}{16}$ ")	200mm (7 $\frac{7}{8}$ ")
	(DDC) LOW SOFTKEY	1026mm (40 $\frac{3}{8}$ ")	190mm (7 $\frac{1}{2}$ ")
	(NDC) LOW SOFTKEY	1015mm (39 $\frac{5}{16}$ ")	186mm (7 $\frac{5}{16}$ ")
(E2)	(STD) TOP SOFTKEY	1156mm (45 $\frac{1}{2}$ ")	232mm (9 $\frac{1}{8}$ ")
	(DDC) TOP SOFTKEY	1123mm (44 $\frac{1}{4}$ ")	221mm (8 $\frac{1}{16}$ ")
	(NDC) TOP SOFTKEY	1136mm (44 $\frac{3}{4}$ ")	226mm (8 $\frac{15}{16}$ ")
(E3)	TOP OF SCREEN 15"	1220mm (48")	262mm (10 $\frac{3}{16}$ ")
	TOP OF SCREEN 19"	1294mm (50 $\frac{1}{16}$ ")	287mm (11 $\frac{3}{16}$ ")
(E4)	CENTER OF SCREEN 15"	1114mm (43 $\frac{7}{8}$ ")	219mm (8 $\frac{5}{8}$ ")
	CENTER OF SCREEN 19"	1150mm (45 $\frac{5}{16}$ ")	233mm (9 $\frac{3}{16}$ ")
(F)	CONTACTLESS CARD READER	743mm (29 $\frac{1}{4}$ ")	67mm (2 $\frac{5}{8}$ ")
(G)	HEADPHONE JACK	710mm (28")	6mm ($\frac{1}{4}$ ")
(H)	BAR CODE READER	709mm (27 $\frac{5}{8}$ ")	12mm ($\frac{1}{2}$ ")
(I)	FINGERPRINT READER	741mm (29 $\frac{3}{16}$ ")	61mm (2 $\frac{1}{16}$ ")
(J)	CHECK DEPOSIT	929mm (36 $\frac{3}{16}$ ")	186mm (7 $\frac{5}{16}$ ")
(M)	COIN OUT	811mm (31 $\frac{15}{16}$ ")	122mm (4 $\frac{13}{16}$ ")
(O)	DRIVER'S LICENSE READER	941mm (37 $\frac{1}{16}$ ")	164mm (6 $\frac{7}{16}$ ")

* HEIGHT - FROM BOTTOM OF SAFE
DEPTH - FROM FRONT EDGE OF BEZEL

* HEIGHT DIMENSIONS ARE FROM BOTTOM OF SAFE AND BASED ON INSIDE AND EXTERIOR LEVELS BEING EQUAL. IN CASES WHERE AN INSTALLATION FRAME (PLINTH) IS USED, DIMENSION WILL NEED TO BE INCREASED BY THE HEIGHT OF THE INSTALLATION FRAME USED. SEE CUT SHEET 177-770 FOR INSTALLATION FRAME DETAILS.



FRONT ELEVATION
19" DISPLAY



FRONT ELEVATION
15" DISPLAY

DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)

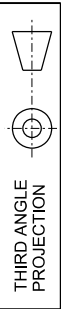


THIRD ANGLE
PROJECTION



L1317

DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)



PAGE 3 OF 6

*ALL DIMENSIONS AND DESIGN CRITERIA
SUBJECT TO CHANGE WITHOUT NOTICE*

FILE NO. 177-749 REV. 0

CONDUIT AND JUNCTION BOX REQUIREMENTS

- 25mm (1") METAL CONDUIT FROM ALARM CONTROL CABINET JUNCTION BOX TO 102mm (4") SQ. X 54mm (2½") DEEP JUNCTION BOX (ALL BY OWNER'S E.C.(ELECTRICAL CONTRACTOR)).
- OWNER'S E.C. TO RUN 19mm (¾") LIQUID TIGHT FLEX METAL CONDUIT OR 19mm (¾") RIGID CONDUIT FROM JUNCTION BOX TO CABLE OPENING IN SAFE.
- 19mm (¾") METAL CONDUIT AND UNSWITCHED ELECTRICAL SUPPLY TO 102mm (4") SQ. X 54mm (2½") DEEP JUNCTION BOX WITH RECEPTACLE WITHIN 2210mm (87") OF CABLE OPENING IN SAFE. (ALL BY OWNER'S E.C.) (SEE POWER REQUIREMENTS).
- OWNER'S E.C. TO SUPPLY COMPATIBLE RECEPTACLE FOR COUNTRY SPECIFIC PLUG-IN CONNECTOR SUPPLIED WITH UNIT. POWER CORD LENGTH 2210mm (87") FROM CABLE OPENING IN SAFE.

NOTE:

JUNCTION BOXES MUST BE LOCATED WITHIN 2210mm (87") OF CABLE OPENING IN SAFE. (LENGTH OF ELECTRICAL POWER CABLE PROVIDED WITH UNIT). LOCATE IN AN EASILY ACCESSIBLE AREA.

BOXES CAN BE FLUSH MOUNTED WITH CONCEALED CONDUIT FOR NEW CONSTRUCTION OR BOXES CAN BE SURFACE MOUNTED WITH EXPOSED CONDUIT FOR EXISTING CONSTRUCTION.

PHYSICAL SECURITY

THE SAFE DOOR FEATURES A POSITIVE RELOCKING DEVICE. ACCESS TO THE SAFE DOOR IS MANAGED BY AN INSTALLED MECHANICAL OR ELECTRONIC COMBINATION LOCK OR LOCKS THAT ARE UL CERTIFIED, VDS CERTIFIED CLASS 1 OR CLASS 2, AND/OR EN-1300 CERTIFIED CLASS A OR CLASS B DEPENDING ON THE SYSTEM CONFIGURATION. CONSULT THE SYSTEM OPERATING GUIDE FOR FURTHER INFORMATION.

BUILDING AIR PRESSURE

BUILDING AIR PRESSURE DIFFERENCES AT THE TERMINAL INSTALLATION LOCATION AFFECT THE INFILTRATION OF OUTSIDE AIR AND ACCOMPANY DIRT. THE TERMINAL WILL OPERATE THROUGH ITS FULL RANGE OF FASCIA TEMPERATURES -34° C TO 54° C (-29° F TO 129° F) WITH ZERO (STATIC) OR POSITIVE AIR PRESSURE DIFFERENTIAL (MEASURED FROM THE INSIDE TO THE OUTSIDE OF THE BUILDING AT THE TERMINAL INSTALLATION LOCATION). IF STATIC OR POSITIVE AIR PRESSURE CANNOT BE MAINTAINED, THE FASCIA LOWER LIMIT TEMPERATURE IS -20° C (-4° F). THE MAXIMUM NEGATIVE AIR PRESSURE ALLOWED IS 0.05" H₂O.

ALARM PROTECTION

CEN RATED SAFES EQUIPPED WITH A SAFE DOOR SWITCH BY DEFAULT. ADDITIONAL ALARM AND SENSOR PACKAGES ARE AVAILABLE TO MONITOR FOR VARIOUS ATTACK VECTORS. CONSULT THE SYSTEM OPERATING GUIDE FOR FURTHER INFORMATION.

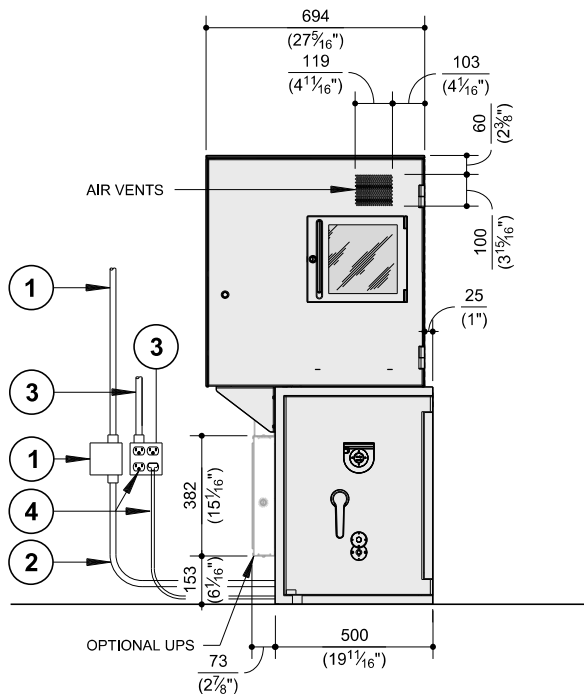
SIGNAL CABLE RUN CONSTRAINTS

THE FOLLOWING CHART ITEMIZES THE PHYSICAL SPACING REQUIREMENTS OF THE SIGNAL CABLE RUN WITH RESPECT TO OTHER POWER AND ELECTRICAL EQUIPMENT CABLE RUN.

TYPE OF ELECTRICAL RUN	SEPARATION FROM OTHER CABLES		
	BELOW 2 KVA	2-5 KVA	ABOVE 5 KVA
FLUORESCENT, NEON OR INCANDESCENT LIGHTING FIXTURES	127mm (5")	127mm (5")	127mm (5")
UNSHIELDED POWER LINE OR ELECTRICAL EQUIPMENT	127mm (5")	305mm (1'-0")	610mm (2'-0")
UNSHIELDED POWER LINES OR ELECTRICAL EQUIPMENT WITH SIGNAL CABLES ENCLOSED IN GROUNDED CONDUIT	64mm (2½")	152mm (6")	305mm (1'-0")
POWER LINES IN GROUNDED CONDUIT WITH SIGNAL CABLES IN GROUNDED CONDUIT	30mm (1½")	76mm (3")	152mm (6")

SIGNAL CABLE INSTALLATION CONSTRAINTS:

RELATIVE CARE IS REQUIRED WHEN INSTALLING SIGNAL CABLES IN CONDUITS, UNLIKE POWER AND LIGHTING CABLE. SIGNAL CABLES HAVE CONDUCTORS AND LIGHT INSULATION AND WILL NOT WITHSTAND AS MUCH STRAIN IN INSTALLATION.



BACK ELEVATION

POWER REQUIREMENTS:

THE TERMINAL REQUIRES A SINGLE-PHASE, THREE-WIRE UNSWITCHED POWER RECEPTACLE. WIRING TO THE RECEPTACLE MUST INCLUDE A THIRD-WIRE EARTH GROUND (CONDUIT GROUND IS NOT ACCEPTABLE). THE TERMINAL WILL PROVIDE A POWER CORD WITH A COUNTRY SPECIFIC POWER PLUG. THE POWER SUPPLIED MUST BE AS SPECIFIED BELOW.

CHOOSE AND SUPPLY THE PROPER POWER FOR THE SITE:

- ☐ 100-127 VAC (+6%, -10%) AT 50 (±1%) Hz, SINGLE-PHASE
- ☐ 100-127 VAC (+6%, -10%) AT 60 (±1%) Hz, SINGLE-PHASE
- ☐ 200-240 VAC (±10%) AT 50 (±1%) Hz, SINGLE-PHASE
- ☐ 200-240 VAC (±10%) AT 60 (±1%) Hz, SINGLE-PHASE

POWER TO THE TERMINAL IS TO BE A DEDICATED SERVICE AND MUST BE PROTECTED BY A SAFETY QUICK-DISCONNECT DEVICE TO BREAK LINE VOLTAGE (SUCH AS A CIRCUIT BREAKER AT THE ELECTRICAL SERVICE PANEL. THE QUICK-DISCONNECT DEVICE (OR CIRCUIT BREAKER) MUST TURN OFF THE LINE VOLTAGE AT THE FOLLOWING AMPERAGE.

- 100-127 VAC (+6%, -10%) SERVICE, DISCONNECT AT 20 AMPERES
- 200-240 VAC (±10%) SERVICE, DISCONNECT AT 10 AMPERES

THE MODULE BULK POWER SUPPLY AND PROCESSOR POWER SUPPLY WILL PROVIDE POWER CONDITIONING TO PREVENT THE TERMINAL FROM MALFUNCTIONING DUE TO SHORT-TERM AC POWER FLUCTUATIONS AS OUTLINED IN EN61000-4-11.

POWER USAGE:

MACHINE STATUS	TERMINAL CONFIGURED AS NOTED BELOW	WITH HEATER (+700 WATTS)	MAX. USAGE WITH HEATER and BATTERY CHARGING (+130 WATTS)
IDLE MODE (NO TRANSACTION)	120 WATTS	820 WATTS	950 WATTS
OPERATION (MAXIMUM)	330 WATTS	1030 WATTS	1160 WATTS

TERMINAL CONFIGURATION:

DIP CARD READER, RECEIPT PRINTER WITH RETRACT, CASH IN/OUT RM4V, 15" SUNLIGHT VIEWABLE DISPLAY, HIGH PERFORMANCE PC, CONTACTLESS CARD READER, BATTERY INSTALLED, CHECK DEPOSIT AND 700 W HEATER.

THE POWER USE DEPENDS ON THE NUMBER AND TYPE OF DEVICES PRESENT IN THE TERMINAL, AND THE TYPE OF TRANSACTION THE TERMINAL IS PERFORMING.

VALUES ABOVE ARE BASED ON MEASURED AVERAGES FOR THE CONFIGURATION LISTED.

HEAT OUTPUT CONFIGURATION:

529 AVERAGE BTU/HR - USING 112kWh PER HOUR AS TYPICAL POWER CONSUMPTION. HEAT OUTPUT VALUE IS BASED ON APPROXIMATELY 240 TRANSACTIONS PER DAY AND ASSUMES NO ADDITIONAL POWER CONSUMPTION OR HEAT CONTRIBUTION FROM HEATERS IN COLD ENVIRONMENTS.

2,390 BTU/HR WHEN HEATER IS OPERATING.

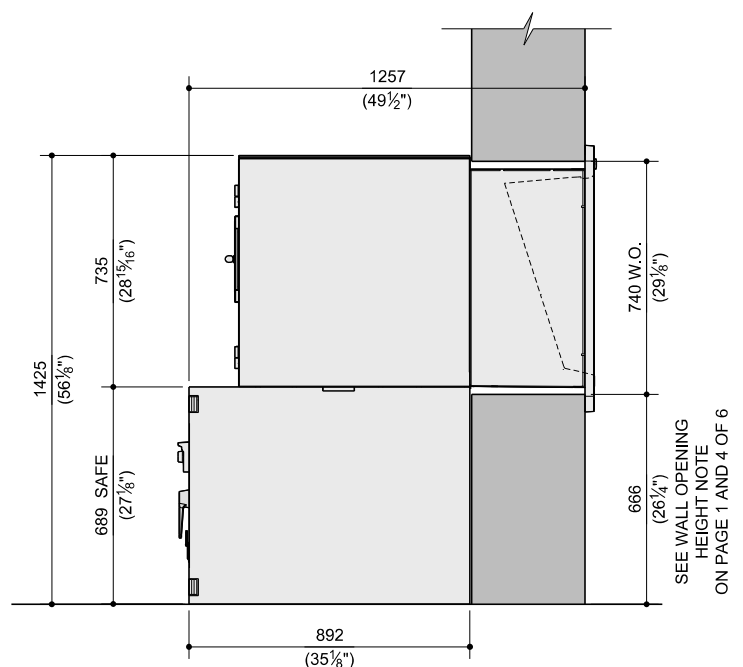
CLIMATIC ENVIRONMENTAL CONDITIONS:

STATUS	AIR TEMPERATURE	RELATIVE AIR HUMIDITY
OPERATION	OUTSIDE -40°C to 50°C (-40°F to 122°F)	5 to 100%
	INSIDE 0°C to 40°C (32°F to 104°F)	
TRANSPORT	-25°C to 60°C (-13°F to 140°F)	5 to 98%
STORAGE	-10°C to 60°C (14°F to 140°F)	5 to 95%

WEIGHT OF UNIT:

CEN I -----618 kg (1,362 LBS.)
CEN III -----738kg (1,627 LBS.)
CEN IV -----747kg (1,647 LBS.)
CEN III EXGAS -----742kg (1,636 LBS.)
CEN IV EXGAS -----752kg (1,658 LBS.)

ACTUAL WEIGHT OF THE TERMINAL WILL DEPEND ON THE CONFIGURATION OF THE TERMINAL COMPONENTS AND OPTIONS



SIDE ELEVATION

SEE WALL OPENING
HEIGHT NOTE
ON PAGE 1 AND 4 OF 6

DN SERIES™ 450 WALK-UP THROUGH THE WALL - 356mm (14") COLLAR CEN I, CEN III, CEN IV, CEN III EXGAS and CEN IV EXGAS SAFES

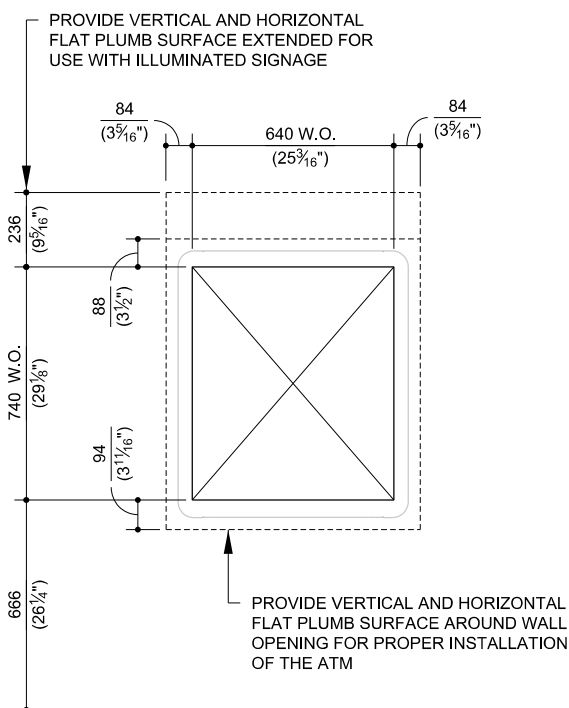
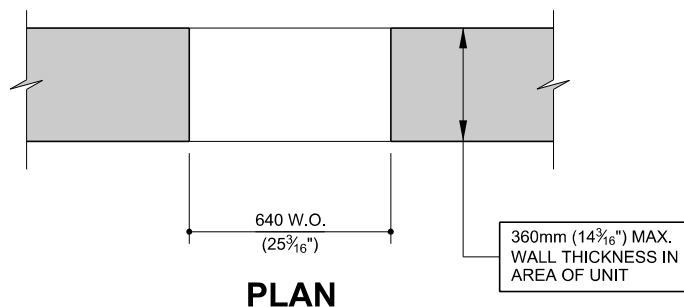
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DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)



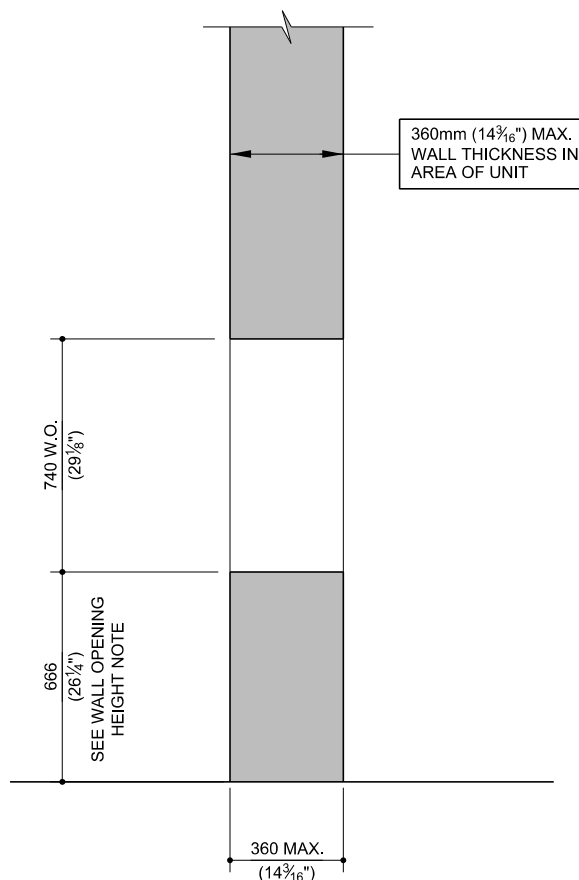
PAGE 4 OF 6

*ALL DIMENSIONS AND DESIGN CRITERIA
SUBJECT TO CHANGE WITHOUT NOTICE*



WALL OPENING HEIGHT NOTE

VERIFY INSIDE FLOOR AND EXTERIOR LEVEL HEIGHTS PRIOR TO
CONSTRUCTING WALL OPENING. IF INSIDE FLOOR LEVEL IS NOT
EQUAL TO THE EXTERIOR LEVEL, REQUIRED OPERATING HEIGHTS
MAY NOT BE MET FOR ACCESSIBILITY STANDARDS
(ADA, CSA, CAE, CEN, ETC.). CALCULATE THE CONSUMER
ACCESS DIMENSIONS ON PAGE 2 OF 6 FROM SAFE BOTTOM.



**DN SERIES™ 450 WALK-UP
THROUGH THE WALL - 356mm (14") COLLAR
REQUIRED MINIMUM SERVICE AREA
CEN I, CEN III, CEN IV, CEN III EXGAS and CEN IV EXGAS SAFES**

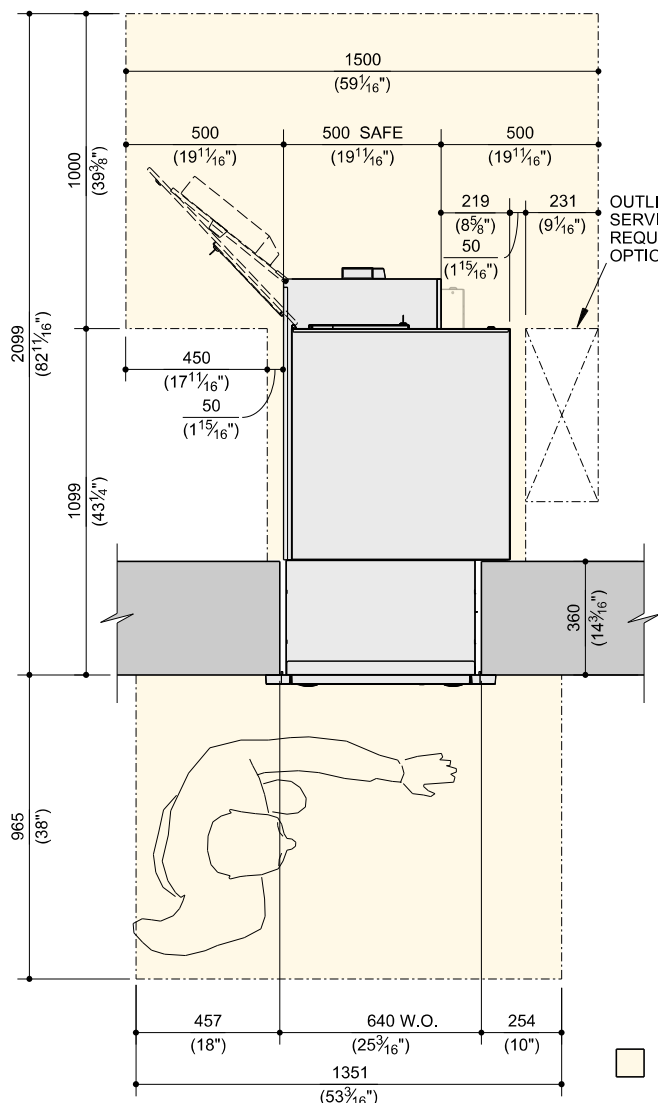
**DIMENSIONS IN MILLIMETRES
(DIMENSIONS IN INCHES)**

THIRD ANGLE
PROJECTION

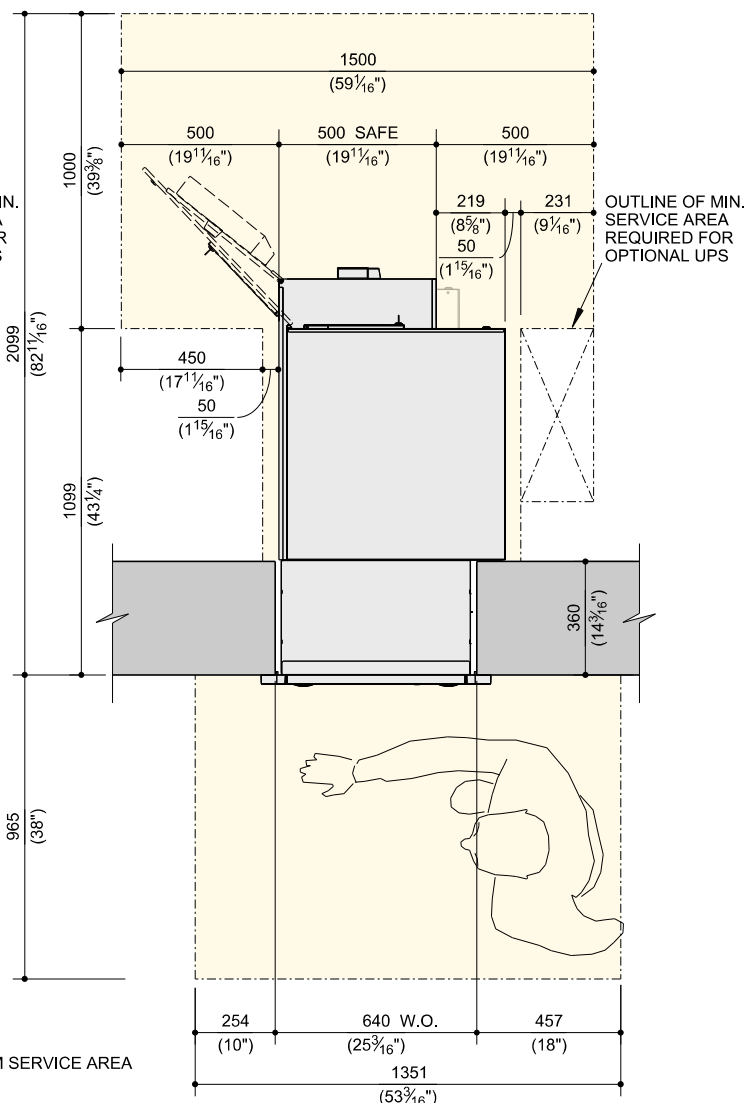
PAGE 5 OF 6

**"ALL DIMENSIONS AND DESIGN CRITERIA
SUBJECT TO CHANGE WITHOUT NOTICE"**

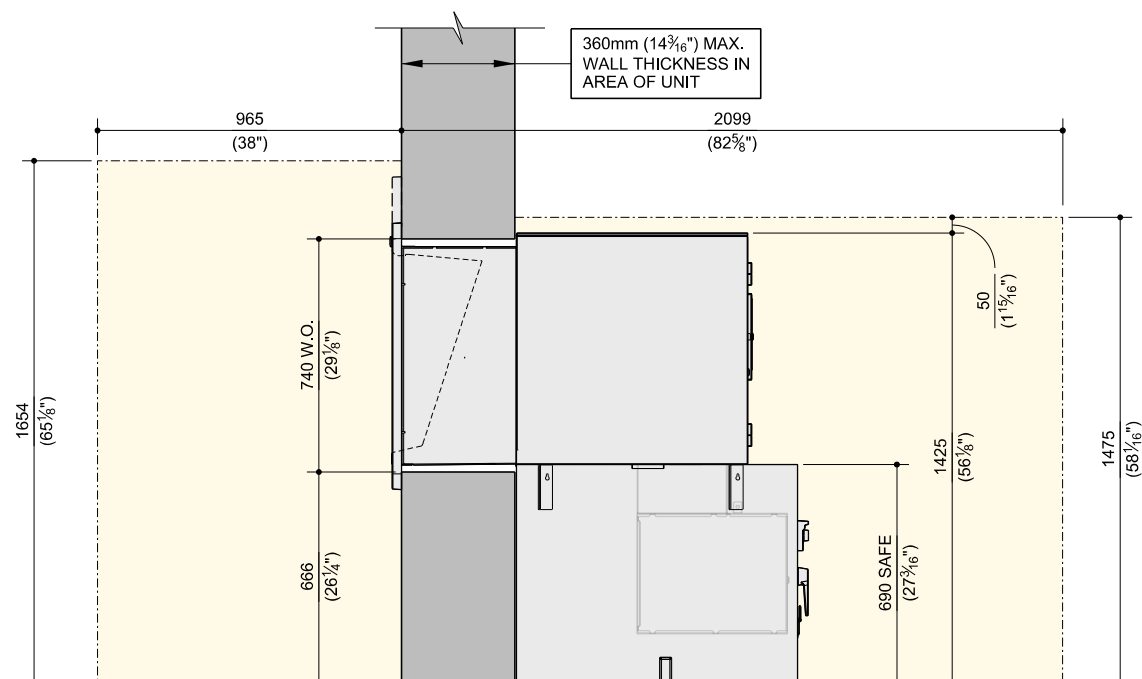
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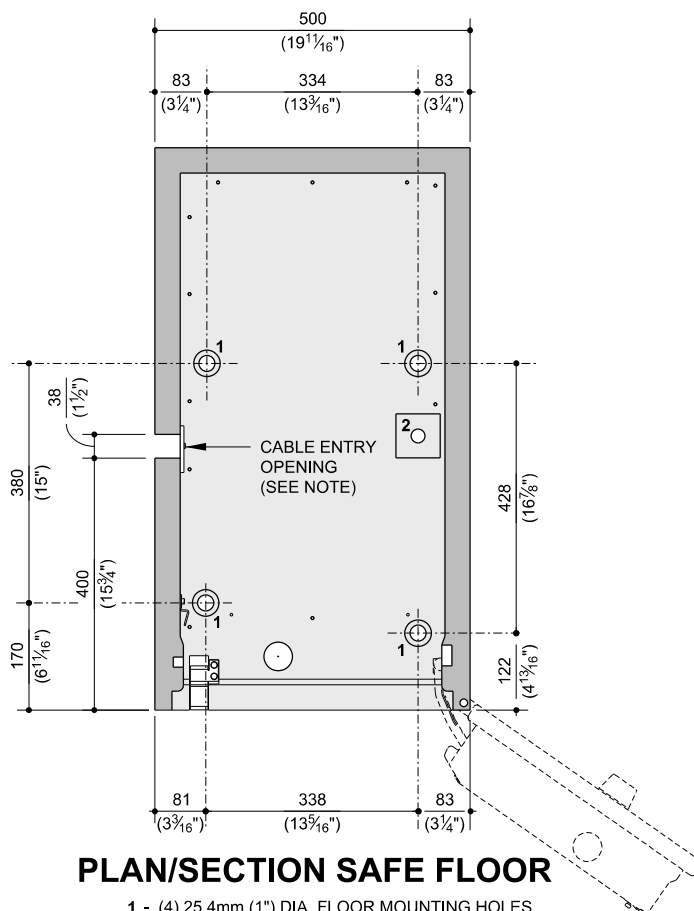
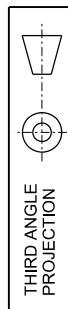
PLAN
EXTERIOR SERVICE AREA LEFT



PLAN
EXTERIOR SERVICE AREA RIGHT



SECTION



PLAN/SECTION SAFE FLOOR

1 - (4) 25.4mm (1") DIA. FLOOR MOUNTING HOLES

2 - (1) 22mm (7/8") DIA. TEAR OFF SENSOR HOLE (FLOOR HOLE DRILL SIZE DETERMINED AT SITE)

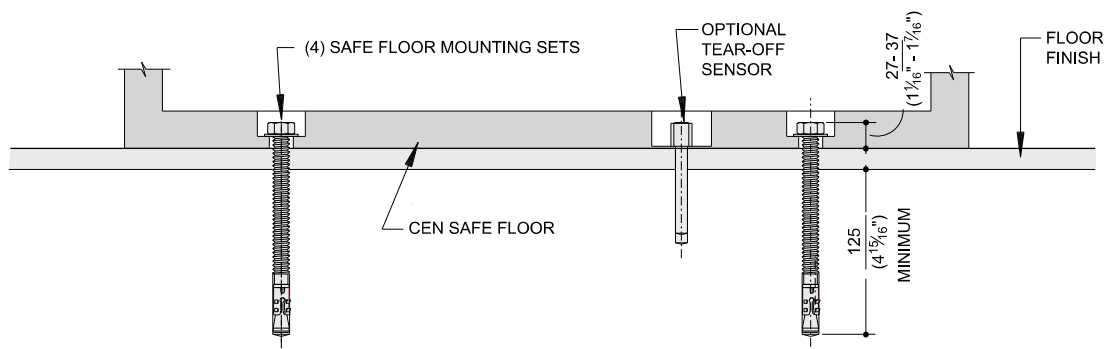
NOTES:

TO COMPLY WITH THE EUROPEAN STANDARD EN 1143-1 REGULATIONS, ANCHORING A CEN SAFE TO A WOOD FLOOR IS NOT PERMITTED. DIEBOLD NIXDORF M20 ANCHOR BOLTS (OR EQUIVALENT) MEET/EXCEED THE FOLLOWING RESISTANCE GRADE REQUIREMENTS WHEN PROPERLY INSTALLED:

CEN I, II & III:	50 kN (PULLOUT FORCE)
CEN IV:	100 kN (PULLOUT FORCE)

ANCHORING CEN SAFE TO CONCRETE FLOORS:

DIEBOLD NIXDORF RECOMMENDS (4) M20 ANCHOR BOLTS THAT ARE 170mm (6 11/16") LONG FOR PROPERLY SECURING THE UNIT (PART #01750308241). THE OVERALL DRILLING DEPTH DEPENDS ON STRUCTURAL CONDITIONS. THE MOUNTING ANCHORS MUST BE LOCATED AT LEAST 125mm (4 15/16") DEEP IN THE LOAD BEARING CONCRETE (SEE DETAIL). ANCHOR BOLTS MUST BE USED IN ALL (4) AVAILABLE ANCHOR HOLES. IF MOUNTING KIT IS NOT PROVIDED, USE EQUIVALENT FASTENING MATERIAL.



SECTION THROUGH INSTALLATION BASE

FOR ILLUSTRATION ONLY - NOT TO SCALE

ANCHORING SAFE TO STEEL FLOORS:

SYSTEMS INSTALLED ON A STEEL FLOOR CAN ALSO BE SECURED BY A MACHINE-THREADED NUT AND BOLT METHOD. DIEBOLD NIXDORF RECOMMENDS THE HARDWARE BE ATTACHED THROUGH SUPPORTING STEEL POST OR BEAMS FOR MAXIMUM HOLDING CAPACITY. ADDITIONALLY, THIS HARDWARE MUST ATTACH TO A LOCALLY FABRICATED REINFORCEMENT PLATE INSTALLED BELOW THE FLOOR TO PROVIDE ADDITIONAL STRENGTH. THE STEEL BACKING PLATE THICKNESS MUST BE A MINIMUM OF 13mm (1/2"). MACHINE-THREADED NUT AND BOLT MUST BE USED IN ALL (4) AVAILABLE ANCHOR HOLES.

ANCHORING SAFE USING AN INSTALLATION FRAME (PLINTH):

THE INSTALLATION FRAME MUST BE SECURED TO THE FLOOR USING (4) SUPPLIED THREADED RODS AT FOUR ANCHORING POINTS (SEE CUT SHEET #177-775 FOR INSTALLATION FRAME DETAILS). THE SYSTEM CEN SAFE IS SECURED TO THE INSTALLATION FRAME USING (4) M16 X 45mm (1.77") PAN HEAD SCREWS AND WASHERS (PART #01750308237). IF MOUNTING KIT IS NOT PROVIDED, USE EQUIVALENT FASTENING MATERIAL.

ANCHOR DETAILS

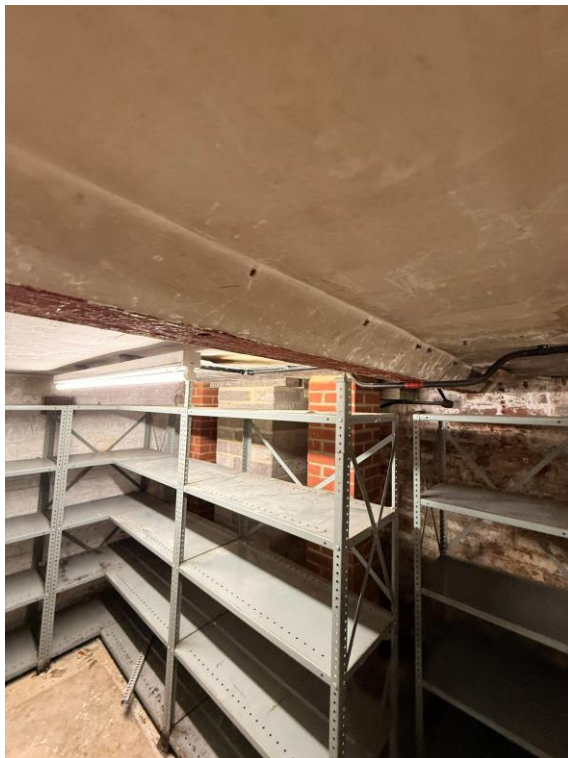
5 APPENDIX C – SITE PHOTOGRAPHS



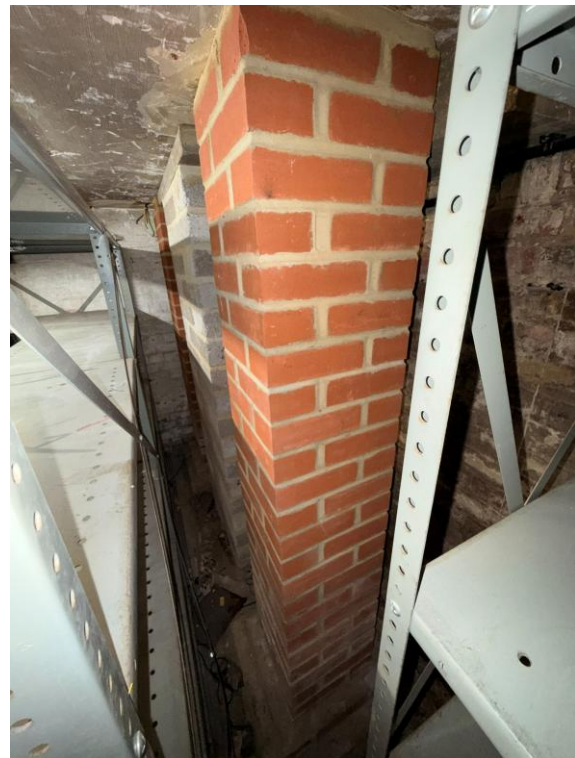
Photograph 1 – Location of external ATMs



Photograph 2 – Existing external ATMs



Photograph 3 – Basement, internal view of north elevation, view 1



Photograph 4 – Basement, masonry piers supporting slab and existing ATMs



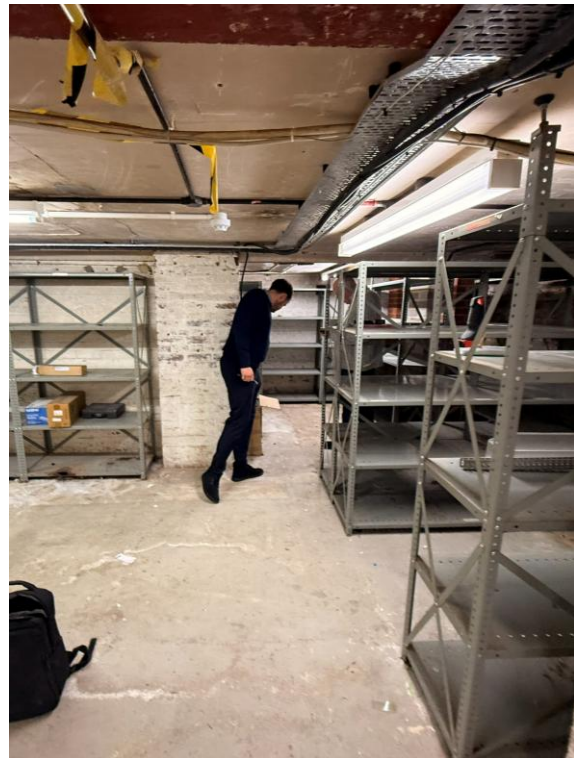
Photograph 5 – Basement, masonry pier supporting structural beams



Photograph 6 – Basement, easterly view



Photograph 7 - Basement, internal view of north elevation, view 2



Photograph 8 - Basement, westerly view

Samuely

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