### RIBA STAGE 3 PLUS - DETAIL REPORT



	REVIS	SIONS			FIRM LOGO	SCALE:	-
NR	DESCRIPTION	DATE	BY	APRD		DRAWN:	ML
)	FIRST EMISSION	12/10/2022	ML	GG	Building Value Through Expertise	CHECKED:	SZ
1	SECOND EMISSION	28/10/2022	ML	GG		APPROVED:	GG
					engineering	DATE: 28/10	/2022
					FACADE CONSULTANT		

-RP103\_REV01

PROJECT NO. : MHBC-008

### JSTON TRAVELODGE RAFTON PLACE, LONDON

### GENERAL NOTES

#### **GENERAL NOTES**

- THESE DRAWINGS ARE TO BE READ IN CONJUNCTION WITH THE AS BUILT DRAWINGS AND OTHER CONSULTANTS 1. DRAWINGS, REPORTS AND THE SPECIFICATION AND WITH OTHER SUCH WRITTEN INSTRUCTIONS THAT MAY BE ISSUED DURING THE TENDER STAGE.
- THE SCOPE OF WORK IS TO REPLACE THE SUPPOSED COMBUSTIBLE MATERIALS OF THE THREE DIFFERENT TYPOLOGIES OF FACADE (EWS-001; EWS-002; EWS-003) WITH NON-COMBUSTIBLE MATERIALS.
- ALL DIMENSIONS SHOULD BE CHECKED ON-SITE AND VERIFIED BEFORE WORK COMMENCES. 3
- DIMENSIONS MUST NOT BE OBTAINED BY SCALING OF THE DRAWINGS. ONLY WRITTEN DIMENSIONS SHALL BE USED. 4
- ALL DIMENSIONS ARE IN MILLIMETER UNLESS NOTED OTHERWISE. 5.
- ANY DISCREPANCIES ON THE DRAWINGS OR BETWEEN THE DRAWINGS AND/OR THE SPECIFICATIONS 6 MUST BE REFERRED BACK FOR WRITTEN INSTRUCTION BEFORE PROCEEDING WITH DETAILED DESIGN FABRICATION OR SITE WORK.
- ALL WORKMANSHIP AND MATERIALS TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE BUILDING 7 CODE OF UK, RELEVANT CURRENT UK STANDARDS INCLUDING ALL AMENDMENTS AND THE REQUIREMENTS OF LOCAL STATUTORY AUTHORITIES.
- INSTALLATION CONTRACTOR TO PROVIDE INSPECTION AND TESTING PLANS AND RECORDS CONFIRMING 8 THE INSTALLED FACADE, INCLUDING ALL FIXING HARDWARE, HAS BEEN CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DRAWINGS AND GENERAL NOTES.
- ALL TEMPORARY WORKS ARE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE INTRODUCED 9 WHEREVER NECESSARY TO RESIST ALL LOADS TO WHICH THE STRUCTURE MAY BE SUBJECTED.
- 10. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AND BE RESPONSIBLE FOR ADEQUATE COORDINATION. ANY DISCREPANCIES SHOULD BE REPORTED TO THE ARCHITECT OR ENGINEER IN WRITING BEFORE PROCEEDING
- CONTRACTOR SHALL PREPARE DETAILED DESIGN AND CALCULATIONS FOR ALL ASPECTS OF THE WORK 11. COVERED BY THIS DOCUMENT, SUBMIT ALL TO THE DESIGN TEAM FOR APPROVAL BEFORE STARTING FABRICATION AND INSTALLATION
- TECHNICAL SPECIFICATION OR SPECIFIC INSTRUCTION ON DRAWINGS TAKE PRECEDENCE OVER THESE NOTES. 12. IN ANY CASE OF CONFLICT BETWEEN THE NOTES, DETAILS AND SPECIFICATIONS, THE MOST RIGID REQUIREMENTS SHALL GOVERN.

#### DESIGN LOADS

- SELF WEIGHT: AS PER MATERIAL DENSITY
- WIND LOADING: 2.
- **TERRAIN CATEGORY: IV** Α
- WIND LOADS ACCORDING TO BS EN 1991-1-4; BS EN 1991-1-4 NA B
- FUNDAMENTAL VALUE BASIC WIND VELOCITY: 22.5 m/s C
- D. WIND DIRECTION FACTOR: 1.00
- Ε. **SEASON FACTOR: 1.00**
- F. AIR DENSITY: 1.226 kg/m<sup>3</sup>

NOTE: FOR OTHER INFORMATION, REFER TO STRUCTURAL REPORT

#### STANDING SEAM (COPPER ALLOY)

- **R240 HALF-HARD TEMPER**
- THICKNESS: 0.7 mm 2.
- FINISH: RAL AS PER EXISTING STANDING SEAM 3.
- JOINT TYPES: STANDING SEAM 4
- SUBSTRATE: 0.7 mm STEEL DECK + 1 mm CLASS A2 MEMBRANE INTERLAYER

#### STRUCTURAL STEEL DECK

- MATERIAL: GALVANISED STEEL, GRADE S350 GD + Z275
- THICKNESS: 0.7 mm 2.
- 3. PROFILE: HEIGHT 32 mm, PITCH 200 mm
- 4. SUPPORTING: ALUMINIUM "L" PROFILE AT 600 mm + 1 mm CLASS A2 MEMBRANE INTERLAYER

#### ALUMINIUM

- ALL ALUMINIUM ELEMENTS ARE REALIZED USING 6060 T5 AS PER BS EN 1999-1-1 1. WITH MINIMUM REQUIRED STRENGTH OF FY (120 MPA) FU (160 MPA)
- DESIGN IN ACCORDANCE WITH THE ALUMINUM ASSOCIATION SPECIFICATION FOR ALUMINUM STRUCTURES.
- TOLERANCE FOR DIMENSIONS SHALL BE (±1.0 MM) AND BASED ON A STANDARD TEMPERATURE OF 20 3 DEGREES C.
- ALL WORK SHALL BE FREE OF OIL, GREASE AND FOREIGN MATTER. 4

#### STAINLESS STEEL

ALL FASTENERS ARE IN STAINLESS STEEL UNLESS OTHERWISE NOTED

#### MINERAL WOOL INSULATION

- MATERIAL: ROCK WOOL TO BS EN 13162
- 2 THICKNESS: FROM 30 mm TO 100 mm
- JOINTS: BUTTED, NO GAPS. FIT INSULATION TIGHTLY BETWEEN/ AROUND CLADDING SUPPORTS. 3.
- FASTENERS: STAINLESS STEEL WITH MINIMUM 70 MM DIAMETER RETAINING HEAD 4.
- FIRE PERFORMANCE: CLASS A1 TO BS EN 13501-1 5.

#### **BREATHER MEMBRANE**

- STANDARD: BS EN 13859-2
- 2. FIRE PERFORMANCE: CLASS A2,S1,d0 OR BETTER TO BS EN 13501-1

#### INTERFACES WITHIN THE WORKS AND WITH OTHER ELEMENTS

THE CONTRACTOR IS RESPONSIBLE FOR ALL INTERFACES. THIS INCLUDES BUT IS NOT LIMITED TO DESIGN, ENGINEERING, SEQUENCING AND COORDINATION THE FOLLOWING INTERFACES TO SATISFY THE REQUIREMENTS OF THIS SPECIFICATION.

A) INTERFACES BETWEEN THE FACADE PACKAGES AND INTERFACES BETWEEN THE FACADE SYSTEMS WITHIN EACH FACADE PACKAGE:

- B) INTERFACED WITH ROOFS;
- C) INTERFACES WITH THE BUILDING STRUCTURE AND STRUCTURAL PENETRATIONS;
- INTERFACES WITH GROUND LEVEL (E.G. BASEMENTS, PAVEMENTS AND FLOORS) AND EXISTING BUILDINGS; D)
- E) INTERFACES BETWEEN NEW FACADE PACKAGES AND EXISTING FACADES, INCLUDING DOORS AND WINDOWS.

#### DESIGN RESPONSIBILITY

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND COMPLETING THE DESIGN. THE CONTRACTOR MAY PROPOSE ALTERNATIVES FOR CONSIDERING BY EMPLOYER'S AGENT. ANY ARRANGEMENTS INCLUDED WITHIN THE DESIGN INTENT INFORMATION SHALL NOT IN ANY WAY RELIEVE THE CONTRACTOR FROM ITS RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF THE WHOLE OF THE WORKS.

REVISIONS				FIRM LOGO	SCALE:	-		
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01	SECOND EMISSION	28/10/2022	ML	GG		APPROVED	GG	
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-RP103 REV01

PROJECT NO. : MHBC-008

### STON TRAVELODGE RAFTON PLACE, LONDON

### **KEY MAP OF THE ELEVATIONS**

- REFERENCE DOCUMENTS [ref. number]:

   201215\_D01\_LO20165\_WP1\_External Wall Assessment Report Euston Travelodge [1]

   278472 Travelodge Euston Remedials 2021 DRAFT 04 [2]

   ARUP-AFE-278472-REP-001 DRAFT 31.03 (Consolidated TC turned off) [3]
- GOOGLE Maps [4] -

**REFERENCE DRAWINGS:** 

- Technical Temp\_Euston Travelodge Details including Fire Stopping\_Euston Travelodge Details including Fire Stopping -
- Technical Temp\_Euston Travelodge Sections\_Euston Travelodge Sections -
- Technical Temp\_Travelodge Euston Floor Plans\_Travelodge Euston Floor Plans -
- Appendix F Tab 1.10 0338-113 Elev Grafton place G -
- Appendix F Tab 1.11 0338-114 El Wellesley house K -
- Appendix F Tab 1.12 0338-115 Elev Euston Square F -
- Appendix F Tab 1.13 0338-116 Churchway elev F -



2 - SOUTH EAST 1 - WEST

REVISIONS					
NR	DESCRIPTION	DATE	BY	APRD	
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-1 - WEST ELEVATION - EUSTON SQUARE

2 - SOUTH EAST ELEVATION -



5 - NORTH - WEST ELEVATION - WELLESLEY PLACE

3 - NORTH-WEST ELEVATION -



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CUMMING	DRAWN: ML	EUS
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engineering	DATE: 28/10/2022	MHBC-008-SD-R
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RP103 REV01

PROJECT NO. : MHBC-008

### STON TRAVELODGE AFTON PLACE, LONDON

4 - EAST ELEVATION -



### INTERVENTION AREAS









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SCALE:	-	
DRAWN:	ML	
CHECKED:	SZ	1-11
APPROVED:	GG	
DATE: 28/10/2	022	MHBC-008

08-SD-RP103\_REV01

PROJECT NO. : MHBC-008

### EUSTON TRAVELODGE GRAFTON PLACE, LONDON





# **EWS-01**



\*B. 100 mm Metal stud with fullfil insulation + Vapour barrier C. 10 mm Pyrok board<sup>\*</sup>+ Breather membrane [A2-S1, d0, or better] E. Alu bracket with clip + Alu L-Profile + Class A2 Membrane Layer (1 mm) G. Steel deck 0.7 mm [A2-S1, d0, or better] H. Fire cavity barrier with alu brackets as supporting system [A2-S1, d0, or I. Copper Standing Seam [A2-S1, d0, or better] + Class A2 Membrane Layer J. Steel Bent Plate with thickness > 0,5 mm K. Aluminum Sandwich Panel with Mineral Wool L. Fire cavity barrier with alu brackets at the Slab Edge [A2-S1, d0, or better]

## **EUSTON TRAVELODGE** 1-11 GRAFTON PLACE, LONDON

MHBC-008-SD-RP103 REV01

# **EWS-01**



\*B. 100 mm Metal stud with fullfil insulation + Vapour barrier C. 10 mm Pyrok board<sup>\*+</sup> Breather membrane [A2-S1, d0, or better] E. Alu bracket with clip + Alu L-Profile + Class A2 Membrane Layer (1 mm) G. Steel deck 0.7 mm [A2-S1, d0, or better] H. Fire cavity barrier with alu brackets as supporting system [A2-S1, d0, or I. Copper Standing Seam [A2-S1, d0, or better] + Class A2 Membrane Layer J. Steel Bent Plate with thickness > 0,5 mm K. Aluminum Sandwich Panel with Mineral Wool L. Fire cavity barrier with alu brackets at the Slab Edge [A2-S1, d0, or better]

## **EUSTON TRAVELODGE** 1-11 GRAFTON PLACE, LONDON

MHBC-008-SD-RP103 REV01

# **EWS-02**

NR

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01



	LAYERS TO BE RETAINED
	LAYERS INSIDE THE SCOPE OF WORKS
DE	
ntained	
board o stud w	on vapour barrier + 5 mm finiture ith fullfil insulation + Vapour barrier

C. 10 mm Pyrok board + Breather membrane [A2-S1, d0, or better] E. Alu bracket with clip + Alu L-Profile + Class A2 Membrane Layer (1 mm) G. Steel deck 0.7 mm [A2-S1, d0, or better] H. Fire cavity barrier with alu brackets as supporting system [A2-S1, d0, or I. Copper Standing Seam [A2-S1, d0, or better] + Class A2 Membrane Layer J. Steel Bent Plate with thickness > 0,5 mm K. Aluminum Sandwich Panel with Mineral Wool L. Fire cavity barrier with alu brackets at the Slab Edge [A2-S1, d0, or better]

## **EUSTON TRAVELODGE** 1-11 GRAFTON PLACE, LONDON

MHBC-008-SD-RP103 REV01





\*B. 100 mm Metal stud with fullfil insulation + Vapour barrier C. 10 mm Pyrok board + Breather membrane [A2-S1, d0, or better] E. Alu bracket with clip + Alu L-Profile + Class A2 Membrane Layer (1 mm) G. Steel deck 0.7 mm [A2-S1, d0, or better] H. Fire cavity barrier with alu brackets as supporting system [A2-S1, d0, or I. Copper Standing Seam [A2-S1, d0, or better] + Class A2 Membrane Layer J. Steel Bent Plate with thickness > 0,5 mm K. Aluminum Sandwich Panel with Mineral Wool L. Fire cavity barrier with alu brackets at the Slab Edge [A2-S1, d0, or better]

## **EUSTON TRAVELODGE** 1-11 GRAFTON PLACE, LONDON

MHBC-008-SD-RP103 REV01