

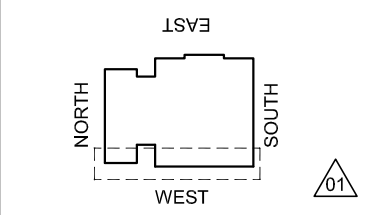
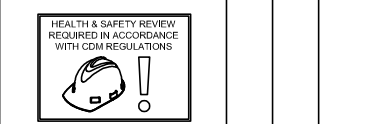
IMPORTANT
ALL STRUCTURE HAS BEEN CROSS-CHECKED WITH LATEST BIM MODEL

COORDINATION BETWEEN STEEL CONTRACTOR & MFL THAT ANY PENETRATIONS THROUGH STEEL WORK WILL BE TOUCHED UP AFTER INSTALL

MFL NOTE: CHECK STEEL CONTRACTORS CONNECTION DETAILS FOR REDUCED BEAM CONNECTIONS

CDM Regulations

Hazards	Date Added	Date Mitigated	Risk Assessment Date
HEAVY GLASS - LOADS INDICATED	05/02/15		



DESIGN NOTES: Technical Report list:

DOCUMENT TITLE	Doc Number	CONJECT Number
Facade Design & Glass Risk Assessment	3135-TR003	KXC-S1-001-Y-21-TR003
Glass Technical report	3135-TR004	KXC-S1-001-Y-21-TR004
Technical data for HBI fire stop details	3135-TR005	KXC-S1-001-Y-21-TR005
Material data sheet report	3135-TR006	KXC-S1-001-Y-21-TR006
Door schedule & Operation Information	3135-TR007	KXC-S1-001-Y-21-TR007
Facade Airborne Acoustic report	3135-TR008	KXC-S1-001-Y-21-TR008
Facade Vertical & Horizontal Acoustic report	3135-TR009	KXC-S1-001-Y-21-TR009
Accommodation of structural movement	3135-TR012	KXC-S1-001-Y-21-TR012
Hallen channel & Slab edge design	3135-TR013	KXC-S1-001-Y-21-TR013
Thermal Safety Check on Glass	3135-TR022	KXC-S1-001-Y-21-TR022

DO NOT SCALE : IF IN DOUBT ASK!

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Signed:	SPATTERSON	Internal Quality Check
Date:	04-05-2018	

No.	Intd	Date	Description	Date
003	DR	28/02/19	ALL COMMENTS RECEIVED - FOR CONSTRUCTION ISSUE	28/02/19
002	DR	19/12/18	THIRD ISSUE	19/12/18
001	SP	20/07/18	ALL COMMENTS RECEIVED	20/07/18
000	SP	04-05-18	FIRST ISSUE	04-05-18

Revision	Check	Description	Date

Contract: KINGSCROSS S1

Architect: MOSSISSIAN

Main Contractor: BAM

Drawing: WEST ELEV. GND FLOOR BAY STUDY DETAILS

Drawn By: SPATTERSON Date: 04/04/18

Scale: 1:5 @ A3 MFL No.: 3135-510

DMS Code: KXC-S1-001-Y-3135-21-510 Revision: 003

DRAWING ISSUED FOR:	STATUS OF PREVIOUS RETURN
CONSTRUCTION	A (B) C -

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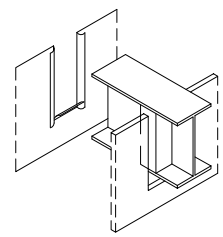
IMPORTANT

- 1- SLAB LEVEL - MAXIMUM TOLERANCE FROM DESIGN LEVEL +/- 15mm
- 2- SLAB ALIGNMENT - MAXIMUM TOLERANCE FROM DESIGN LINE +/- 15mm
- 3- SLAB LEVEL - MAXIMUM DEFLECTION DUE TO FACADE DEAD LOAD = 5mm
- 4- MAXIMUM PERMITTED MID-SPAN SLAB DEFLECTION DUE TO LIVE LOADS = 15mm

±. 15mm BRACKET ADJUSTMENT

MFL REPORT No. 3135-TR012

Lateral Load: +/- 1kN
Wind Load: +/- 5kN



C/WALLING FIXING BRACKET TO BE FABRICATED FROM 10mm THK MILD STEEL PLATE (GRADE S275)
2No. COATS OF GALVAFROID SHOP APPLIED PRIMER

C/WALLING FIXED TO BRACKET WITH:
D933/M16x130mm A4 S/STEEL SET BOLTS
D125/M16 & D127/M16 A4 S/STEEL FLAT/SPRING WASHERS
D934/M16 FULL HEAD A4 S/STEEL NUTS
Tightening Torque for M16 = 140Nm

BRACKETS FIXED TO STRUCTURE WITH:
D933/M16x70mm A4 S/STEEL SET BOLTS
D125/M16 & D127/M16 A4 S/STEEL FLAT/SPRING WASHERS
D934/M16 FULL HEAD A4 S/STEEL NUTS
Tightening Torque for M16 = 140Nm

FULL BRACKET SIZE 2mm GALVANISED PACKING SHIMS PROVIDED TO ALLOW FOR INSTALLATION TOLERANCES

BEAM WEBS TO BE INSULATED AS SHOWN. INSU HELD WITH 50mm WIDE 1.6mm ALUM STRAPS @ APPROX 400-500mm CTS ALONG LENGTHS OF BEAM. FIXED WITH HILTI HUS_HR 6x35mm SELF DRIVE SCREW ANCHORS (Order No.: #290005)

3mm THK ALUM INSERT PANEL ~ SILVER ANODISED 25microns
PANEL DESIGNED WITH 6x100mm SLOTS SPACED AROUND THE GLAZING EDGE FOR GLAZING INTO THE C/WALLING WITH THE USE OF SCHUCO CLIPS
TOP OF TRANSOM & VOID BEHIND PANEL TO BE FILLED WITH ROCKWOOL RWA45 SEMI RIGID INSU SLABS

0.7mm EPDM VAPOUR BARRIER FIXED & SEALED TO TRANSOM WITH D7981/4.2x13mm A4 S/S SELF TAPPERS & 25x1.6mm ALUM FLAT. & BONDED TO U/S OF SLAB.
EPDM OVERLAPS BONDED WITH CORTEX 0775 CONTACT ADHESIVE ~ TO MANUFACTURES RECOMMENDATIONS.

NOTE:
FOR FULL GLASS SPECIFICATION SEE DWG: 3135-401

3mm THK FOLDED ALUM SOFFIT & VERTICAL CLADDING PANELS:
Colour: EV1 SILVER ANODISED 25microns.
PANELS FIXED TO SUPPORT SYSTEMS DETAILED WITH A4 S/STEEL RP25 TORX SCREWS ~ PANELS ORDERED WITH PILOT HOLES TO ENSURE EQUALLY SPACED CTS.
FRONT PORTION OF SOFFIT PANEL BONDED WITH 50mm RWA45 50mm THK SEMI RIGID INSULATION SLABS

SOFFIT JOINT FIXING SUPPORT:
102x76x6mm THK ALUM ANGLES FIXED TO STEEL SECTIONS D933/M10x50mm A4 S/STEEL SET BOLTS
D125/M10 & D127/M16 A4 S/STEEL FLAT/SPRING WASHERS
D985/M10 FULL HEAD A4 S/STEEL NYLOCK NUTS
Tightening Torque for M10 = 33Nm
ANGLES FIXED WITH D7891/4.8x19mm A4 S/S SELF TAPPERS @ 250mm CTS.
100x6mm THK ISOLATION PLATES TO U/S OF BEAMS

0.75mm CORTEX 0750 EPDM MEMBRANE INSERTED INTO BTM OF SECTION WITH GASKET 931 111 AND FOLDED UP REAR OF UNIT & ACROSS THE U/S OF SLAB AND GLAZED INTO C/WALLING SECTION.
ALL JOINT/OVERLAPS TO BE A MIN. 150mm & BONDED WITH CORTEX 0775 CONTACT ADHESIVE TO MANUFACTURES RECOMMENDATIONS
SEE DESIGN NOTES FOR ISSUED TECHNICAL REPORT REFERENCE & NUMBER

U/S OF FLOOR SLAB TO BE INSULATED WITH 100mm THK ROCKWOOL DUO SLAB. FIXED WITH HILTI IDP INSULATION FASTENERS TO BE USED TO MANUFACTURES RECOMMENDATIONS