C435-BFK-O-LRC-M123-50001_Rev 7.0

Minimum Assurance and Redline & As-built requirements for C435 Drawings - F1 Design (Projectwise) & (limited) BFK consultant (eg ATK/KPS) F2 Design

Drawing Details					Produced, Reviewed & Approved on drawings by					Minimum Design Assurance (P-status & IFC)													Redline and As-built Drawing submissions						
Package	Drawing Type	F1 or F2	Delivery Contractor	RIR eB Number (IFC drawings)	NGB	WSP	ATK	Subcon	BFK	Submitted to BFK For: Accept	Submitted to BFK For: Info	Submitted to CRL For: Accept	Submitted to CRL For: Info	Reviewed by: C136	Reviewed by: C121	Reviewed by: CEG	Reviewed by: CRL FE	Reviewed by: ATK	Reviewed by: NGB/ WSP	Reviewed by: KPS	Reviewed by: BFK	Min Ass Notes	F1 (&F2) Drawing 'end of life' code	Redline req'd (pdf only) <> Produced by	Previous Xrev drawing appended (as req'd)	As-built req'd pdf & CAD <> Produced by	F1 &/or F2 design to be Redlined	Redline As-built Notes	Design Lead
																								Yes/No	Yes/No	Yes/No			
SCL All	C435 SCL	F1		C435-BFK-C4-LRG-M123-50001/2/3/8/9/12/13/16					X	X		X			X						X	[1]	RED-pdf	Yes<>C435	Yes	No	F1		C435(xx)
RC Detailing	C435 Reinforcement Detailing	F2		C435-BFK-C-LRG-M123-50004			X			X		X		X							X		RED-pdf	Yes<>C435	Yes	No	F2		C435(RP)
Misc	C435 Station Waterproofing Fabrication	F2		C435-BFK-C-LRG-M123-50025					X	X		X		X								[1]	RED-pdf	Yes<>C435	Yes	No	F2	[12]	C435(xx)
Misc	C435 Cast in plate (KPS)	F1+		C435-BFK-X-LRG-M123-50005					X	X		X		X								[16]	DES-pdf	No	n/a	No	F2-BST	[16]	C435(RP)
Misc	C435 Halfen Channels & Small Openings	F2		C435-BFK-C-LRG-M123-50025	X					X			X					X			X	[1],[2]	RED-pdf	Yes<>C435	Yes	No	F2		C435(AD)
MEP	C435 MEP (Cast-in items) IFC drawings	F1		C435-BFK-C-LRG-M123-50033	X					X		X				X		X			X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1		C435(AD)
MEP - Mech	C435 Mechanical Layouts	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - Mech	C435 Mechanical Details	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[2],[4]	C435(AD)
MEP - Mech	C435 Mechanical Schematics	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - Mech	C435 Ventilation Equipment Schedules	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - Elec	C435 Electrical Layouts	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - Elec	C435 Electrical Details	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[2],[4]	C435(AD)
MEP - Elec	C435 Electrical Schematics	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - Elec	C435 Load Schedules	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - Elec	C435 Cable Schedules	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - Elec	C435 UPS Load Schedule	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - Elec	C435 Luminaire Schedules	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - Elec	C435 Distribution Boards Schedules	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - BMS	C435 BMS Layouts	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - BMS	C435 BMS Details	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[2],[4]	C435(AD)
MEP - BMS	C435 BMS Schematics	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - BMS	C435 BMS Points Schedules	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - PH	C435 Public Health Layouts	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - PH	C435 Public Health Details	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[2],[4]	C435(AD)
MEP - PH	C435 Public Health Schematics	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[2],[4]	C435(AD)
MEP - PH	C435 PH Equipment Schedules	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[4]	C435(AD)
MEP - Fire	C435 Fire Suppression (including IG 541 drawings)	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[2],[4]	C435(AD)
MEP - Fire	C435 Fire Detection	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[2],[4]	C435(AD)
MEP - Fire	C435 Fire Detection Containment Layout	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[2]	C435(AD)
MEP	C435 Combined Services Sections	F1		C435-BFK-C-LRG-M123-50033		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1	[2],[4]	C435(AD)
Architectural	C435 Architectural :: GA plans	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Architectural	C435 Architectural :: Setting-out	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Architectural	C435 Architectural :: Sections	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Architectural	C435 Architectural :: Elevations	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Architectural	C435 Architectural :: Details	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Structural	C435 Structural :: GA plans	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Structural	C435 Structural :: Setting out	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Structural	C435 Structural :: Sections	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Structural	C435 Structural :: Elevations	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Structural	C435 Structural :: Details	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(Var)
Urban Realm	C435 Urban Realm :: GA plans	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(SA)
Urban Realm	C435 Urban Realm :: Details	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(SA)
Barbican	C435 Architectural :: GA plans	F1		C435-BFK-C-LRG-M123-50035			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(CC)
Barbican	C435 Architectural :: Details	F1		C435-BFK-C-LRG-M123-50035			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(CC)
Barbican	C435 Structural :: GA plans	F1		C435-BFK-C-LRG-M123-50035			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(CC)
Barbican	C435 Structural :: Details	F1		C435-BFK-C-LRG-M123-50035			X			X		X				X			X		X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[1],[4]	C435(CC)
Barbican	C435 RC Detailing	F2		C435-BFK-C-LRG-M123-50035			X			X		X		X							X	[1]	RED-pdf	Yes<>C435	Yes	No	F2		C435(RP)
Barbican	C435 MEP :: Layouts	F1		C435-BFK-C-LRG-M123-50035		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[2],[4]	C435(NL)
Barbican	C435 MEP :: Details	F1		C435-BFK-C-LRG-M123-50035		X				X		X				X		X			X	[1],[2],[3]	DES-pdf	No	n/a	No	F1 & F2	[2],[4]	C435(NL)
Barbican	C435 MEP :: Schematics	F1		C435-BFK-C-LRG-M123-50035		X				X		X				X		X			X	[1],[2],[3]	AB-cad	Yes<>C435	No	Yes<>C435	F1 & F2	[2],[4]	C435(NL)
Fire	C435 Fire Drawings :: Fire Safety Plans	F1		C435-BFK-C-LRG-M123-50033			X			X		X				X		X			X	[1],[2]	AB-cad	Yes<>C435	No	Yes<>C435	F1	[1],[4]	C435(Var)
Structural	C435 Enabling Baseplate Details (ATK)	F1+		C435-BFK-C-LRG-M123-50029			X			X		X		X							X	[16]	DES-pdf	No	n/a	No	F2-BST	[16]	C435(RP)
Civil	C435 Geothermal drawings	F2		C435-BFK-C-LRG-M123-50025					X	X		X				X					X		RED-pdf	Yes<>C435	Yes	No	F1 & F2		C435(RP)
Civil	C136 Geothermal drawings	F1		C435-XRL-Z-LRG-M123-50001																			AB-cad	Yes<>C435	No	Yes<>CRL	F1		C136
Civil	C136 Structural (G.A.) Drawings	F1		C435-XRL-Z-LRG-M123-50001																			AB-cad	Yes<>C435	No	Yes<>CRL	F1		C136
Civil	C136 Reinforcement Intent Drawings	F1		C435-XRL-Z-LRG-M123-50001																			DES-pdf	No	n/a	No	No		C136
Civil	C136 Waterproofing Typical Detail	F1		C435-XRL-Z-LRG-M123-50001																			AB-cad	Yes<>C435	No	Yes<>CRL	F1	[8]	C136
SCL	C121 SCL Structural	F1		C435-XRL-Z-LRG-M123-50001																			AB-cad	Yes<>C435	No	Yes<>CRL	F1	[9]	C121
SCL	C121 SCL Reinforcement	F1		C435-XRL-Z-LRG-M123-50001																			AB-cad	Yes<>C435	No	Yes<>CRL	F1		C121
SCL	C121 Waterproofing Typical Details	F1		C435-XRL-Z-LRG-M123-50001																			AB-cad	Yes<>C435	No	Yes<>CRL	F1	[10]	C121
SCL	C122 Drawings (GS and TAMs)	F1		C435-XRL-Z-LRG-M123-50001																			RED-pdf	Yes<>C435	Yes	No	F1	[11]	C122
STW	C136 MEP & Arch RIBA Stage E Drawings	n/a		C435-XRL-Z-LRG-M123-50001																			DES-pdf	No	n/a	No	No		C136

Red text denotes changes from previous version beyond Revision 6.0

Red italic text denotes change from previous informal/WIP issue, to be removed prior to formal submission.

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Minimum Assurance and Redline & As-built requirements for C435 Drawings - F1 Design (Projectwise) & (limited) BFK consultant (eg ATK/KPS) F2 Design

Drawing Details											Minimum Design Assurance (P-status & IFC)												Redline and As-built Drawing submissions						
Package	Drawing Type	F1 or F2	Delivery Contractor	RIR eB Number (IFC drawings)	Produced, Reviewed & Approved on drawings by					Submitted to BFK For		Submitted to CRL For		Reviewed by								Min Ass Notes	F1 (&F2) Drawing 'end of life' code	Redline req'd (pdf only) <> Produced by	Previous Xrev drawing appended (as req'd)	As-built req'd pdf & CAD <> Produced by	F1 &/or F2 design to be Redlined	Redline As-built Notes	Design Lead
					NGB	WSP	ATK	Subcon	BFK	Accept	Info	Accept	Info	C136	C121	CEG	CRL FE	ATK	NGB/ WSP	KPS	BFK			Yes/No	Yes/No	Yes/No			

MINIMUM ASSURANCE NOTES

[1] Unless noted otherwise, the above minimum assurance required are for the P-Revisions of the drawings. The C-Revisions will always be issued to CRL For Information.

[2] ATK/NBG:WSP assurance is not a review of individual drawings, but is through the coordination of the 2D & 3D CAD models in Projectwise and closeout of Clash detection reports.

[3] P status/revision drawings to be raised on FCD with following content:

1) Details of changes from previously accepted revision of the drawing.

2) Link to latest comment sheet C435-BFK-?-XCS-M123-5xxxx and mention of any open comments on the attached drawings and their impact. If no open comments, state this.

3) Clash detection extract (summary or screenshot) to demonstrate no clashes between services (specifically Fire & MEP).

Drawing 'end of life' codes

Code	Meaning	Applies to
DES-TW	Design Temp Works only	Temporary Works
DES-pdf	Design IFC (pdf only)	F2 design only
DES-cad	Design IFC (pdf & cad)	F1 design only
RED-pdf	Redline (pdf only)	F1 and F2 design
AB-pdf	As-built (pdf only)	F2 design only & F1 design schedules only
AB-cad	As-built (pdf & cad)	F1 design only

REDLINE & AS-BUILT NOTES

1. **C435 Architectural and Structural F1 design (ATK): Redline drawings** only required for:

a. Significant changes where no F2 Redline (and/or As-built) drawing exists or is required, e.g. screeding.

b. Where the F2 design does not provide all the information shown on the ATK F1 design drawings (e.g. windpost table drawings). Redlines only required on these ATK F1 design drawings for significant change, otherwise as-built only.

c. A small number of redlines of GAs and/or elevations as required to show the scope of the package and to reference the relevant subcontractor DRIR(s). Drawings to be redlined to be agreed with CRL via submission of F1 design DRIR.

C435 Architectural and Structural F1 design (ATK): as-built drawings only required for all F1 design ATK drawings listed on each sub-construction certificate part 2 of 2, Sections 3 and 7. (These should include all redlined ATK F1 design drawings and all ATK F1 design drawings from part b.)

As-builts of ATK drawings are to cross-reference relevant sub-contractor DRIRs. Listed DRIRs must be linked to items on drawing (e.g. “For secondary steelwork, refer to Bourne Steel DRIR, C435-BFK-X-LRG-M123-50004)

2. C435 MEP F1 design (NGB/WSP): Produce Redline (and/or As-built) drawing of F1 drawing if an F2 detailed design and/or fabrication drawing does not exist, otherwise, add a note to refer to the F2 Redline (and/or As-built) drawing.

3. C435 Fit-out Subcontractor F2 design: Redline drawings should be progressive in that they build on the previous Redline drawing, if not previous revisions of Redline drawing should be appended to create single pdf file with multiple pages (of Redline X revisions).

4. C435 Fit-out/MEP Subcontractor F2 design and/or Redline impact on F1 Architectural (ATK)/MEP (NGB/WSP) design: (1) [ref] Subcontractor F2 design drawing to be referenced on F1 design drawing; (2) [s/s] 'Superseded' banner applied to redundant F1 design with note directing reader to Subcontractor F2 design drawings; (3) [sig chg] For significant change Projectwise cad model updates required and F1 drawings updated & reissued.

5. C435 Fit-out/MEP Subcontractor F2 design: As-built F2 drawing (as pdf ONLY) required for elements of work required for O&M manuals (as agreed with CRL).

6. C435 Fit-out/MEP Subcontractor F2 design: For the F2 Redline and F2 As-built (pdf) drawings, the drawings will NOT be updated to incorporate changes to the Architectural and/or Structural backgrounds unless the changes are significant AND directly affects the area of the F2 Subcontractor works.

7. C136 Structural (GA) F1 design: C435 Lining Wall Re-Injectable Grout Tube Location Surveys to be appended to most relevant C136 Structural (GA) drawing.

8. C136 Waterproofing Typical F1 Details: (1) Redline drawings to reference C435 Waterproofing Redline drawings; (2) As-built drawings to also reference C435 Waterproofing Redline drawings; (3) Typical detail drawings to be location & package specific (ie one 'X0x' version per package/location).

9. C121 SCL Structural F1 design: SCL Cross-Sections only need to reference construction record eB numbers for the profiles. The profiles should be marked up with eB PTRs where applicable.

10. C121 Waterproofing Typical F1 Details: (1) Redline drawings to reference C435 Secondary Lining Construction Joint & Injection Point Location Redline drawings; (2) As-built drawings to reference C435 Secondary Lining Construction Joint & Injection Point Location As-Built drawings.

11. C122 F1 Drawings (GS and TAMs): I&M captured in decommissioning reports. Final Redline drawing in the series to incorporate changes from previous revisions.

12. C435 Station Waterproofing: Fabrication Detail to be reproduced as required, if it has altered when used at different locations (eg at different slab levels). A summary location/description shall be appended to the final Redline version, which will clearly illustrate the geographical area on site where each X0x revision applies.

13. Structural Detail F2 design and F2 RC Drawings will end life as multiple Redline drawings per IFC. The final Redline drawing shall be a single document with multiple pages for each of the Redline X revisions.

14. The individual F1 and F2 Document Register & Issue Records (DRIR) will record the drawing progression from IFC (for construction) to Redline (as and when required), and on to As-built (as and when required) at a greater level of granularity. When there is a discrepancy between the F1 and F2 Document Register & Issue Record (DRIR) and the C435 Minimum Assurance and Red-Line & As-built matrix, the F1 and F2 DRIR will always take precedence. The discrepancy could be due to drawing groups not all having the same 'drawing end of life code' as identified on the Minimum Assurance Matrix.

15. The Cast in plate and Baseplate drawings produced by KPS and ATK respectively are described as F1+ because they sit between the C136 F1 design and a combination of the Bourne F2 Steelwork design drawings and Atkins F2 Reinforcement Detailing drawings. The ATK F2 RC drawings and XXXXX F2 Steelwork drawings will be developed into Redline and/or As-built drawings, hence these KPS and ATK drawings have a ‘DES-pdf’ [Design] drawing ‘end of life code’.

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Minimum Assurance and Redline & As-built requirements for C435 Drawings - Subcontractor F2 Design

Drawing Details										Minimum Design Assurance (P-status & IFC)													Redline and As-built Drawing submissions						
Package	Drawing Type	Delivery Contractor	RIR eB Number	Produced, Reviewed & Approved on drawings by					Submitted to BFK or NGB (MEP) For		Submitted to CRL For		Reviewed by								Notes	F2 Drawing 'end of life' code	F2 Redline req'd (pdf only) <> Produced by	Previous F2 Xrev drawing appended (as req'd)	Subcon As-built req'd (pdf ONLY) <> Produced by	F1 design by <> Redline of F1 design Produced by	Previous F1 Xrev drawing appended (as req'd)	F2 design &/or Redline impact on F1 design	Notes
				NGB	WSP	ATK	Subcon	BFK	Accept	Info	Accept	Info	C136	C121	CEG	CRL FE	ATK	NGB/ WSP	KPS	BFK		DES-pdf/ RED-pdf/ AB-pdf	Yes/ No/ Chg Only	Yes/ No/ Progressive	Yes/ No		Yes/ No/ Progressive		
Structural Steelwork	Cast-in plate fabrication		C435-BFK-X-LRG-M123-50004				X		X			X								X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Structural Steelwork	Cast-in plate wall elevation		C435-BFK-X-LRG-M123-50004				X		X			X								X		AB-pdf	Chg only<>BST	No	Yes<>BST	C136<>BFK	No	[ref],[s/s],[sig chg]	
Structural Steelwork	Cast-in plate detail		C435-BFK-X-LRG-M123-50004				X		X			X							X			AB-pdf	Chg only<>BST	No	Yes<>BST	C136<>BFK	No	[ref],[s/s],[sig chg]	
Structural Steelwork	Siteworks		C435-BFK-X-LRG-M123-50004				X		X			X							X			DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Structural Steelwork	General fabrication		C435-BFK-X-LRG-M123-50004				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Structural Steelwork	General Arrangements		C435-BFK-X-LRG-M123-50004				X		X		X		X							X		AB-pdf	Chg only<>BST	No	Yes<>BST	C136<>BFK	No	[ref],[s/s],[sig chg]	
Structural Steelwork	3D marking plans		C435-BFK-X-LRG-M123-50004				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Structural Steelwork	Base details		C435-BFK-X-LRG-M123-50004				X		X			X					X					AB-pdf	Chg only<>BST	No	Yes<>BST	ATK<>BFK	Prog	[ref]	
Structural Steelwork	Pocket connection details		C435-BFK-X-LRG-M123-50004				X		X			X							X			AB-pdf	Chg only<>BST	No	Yes<>BST	C136<>BFK	No	[ref]	
Structural Steelwork	Paint demarcation		C435-BFK-X-LRG-M123-50004				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Structural Steelwork	Metal decking General Arrangements		C435-BFK-X-LRG-M123-50004				X		X			X								X		RED-pdf	Yes<>BST/BFK	Prog	No	C136<>BFK	No	n/a	
Structural Steelwork	Metal decking support - Halfen channel		C435-BFK-X-LRG-M123-50004				X		X			X								X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Structural Steelwork	OSD connection details		C435-BFK-X-LRG-M123-50004				X		X		X		X						X			AB-pdf	Chg only<>BST	No	Yes<>BST	C136<>BFK	No	[ref],[s/s],[sig chg]	
Structural Steelwork	WTH Truss (Upper Apse Ceiling)		C435-BFK-X-LRG-M123-50004				X		X		X		X							X		AB-pdf	Chg only<>BST	No	Yes<>BST	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Structural Steelwork	WTH Plate Girder		C435-BFK-X-LRG-M123-50004				X		X		X		X							X		AB-pdf	Chg only<>BST	No	Yes<>BST	C136<>BFK	No	[ref]	
General Metalwork	Secondary Steelwork General Arrangements		C435-BFK-X-LRG-M123-50004				X		X			X					X			X		AB-pdf	Chg only<>BST	No	Yes<>BST	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Secondary Steelwork Details		C435-BFK-X-LRG-M123-50004				X		X			X					X			X		AB-pdf	Chg only<>BST	No	Yes<>BST	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Secondary Steelwork Elevations		C435-BFK-X-LRG-M123-50004				X		X			X					X			X		AB-pdf	Chg only<>BST	No	Yes<>BST	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Secondary Steelworks Fabrication Drawings		C435-BFK-X-LRG-M123-50004				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Fire Protective Coating /Fire Stopping	General Arrangements		C435-BFK-X-LRG-M123-50007				X		X		X				X	X	X			X		RED-pdf	Yes<>MTF	Prog	No	C136<>BFK	No	[ref],[s/s]	
Fire Protective Coating /Fire Stopping	Section Drawings		C435-BFK-X-LRG-M123-50007				X		X		X				X	X	X			X		RED-pdf	Yes<>MTF	Prog	No	n/a	n/a	n/a	
Fire Protective Coating /Fire Stopping	Setting out Drawings		C435-BFK-X-LRG-M123-50007				X		X		X				X	X	X			X		RED-pdf	Yes<>MTF	Prog	No	n/a	n/a	n/a	
Fire Stopping Insulations	General Arrangements		C435-BFK-X-LRG-M123-50007				X		X		X				X	X	X			X		RED-pdf	Yes<>MTF	Prog	No	ATK<>BFK	Prog	[ref],[s/s]	
Fire Stopping Insulations	Elevations		C435-BFK-X-LRG-M123-50007				X		X		X				X	X	X			X		RED-pdf	Yes<>MTF	Prog	No	ATK<>BFK	Prog	[ref],[s/s]	
Fire Stopping Insulations	Details		C435-BFK-X-LRG-M123-50007				X		X		X				X	X	X			X		DES-pdf	No	n/a	n/a	n/a	n/a	[ref],[s/s]	
Ceilings - Toilets & POMS Room	General Arrangements		C435-BFK-X-LRG-M123-50007				X		X		X					X	X			X		RED-pdf	Yes<>MTF	Prog	No	ATK<>BFK	Prog	[ref],[s/s]	
Ceilings - Toilets & POMS Room	Details & Sections		C435-BFK-X-LRG-M123-50007				X		X		X					X	X			X		RED-pdf	Yes<>MTF	Prog	No	ATK<>BFK	Prog	[ref],[s/s]	
GFRC	General Arrangements		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<>SOR	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
GFRC	Setting-out		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		DES-pdf	No	n/a	n/a	n/a	n/a	[ref],[s/s],[sig chg]	
GFRC	Sections		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<>SOR	ATK<>BFK	Prog	[ref],[s/s]	
GFRC	Elevations		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<>SOR	ATK<>BFK	Prog	[ref],[s/s]	
GFRC	Details		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<>SOR	ATK<>BFK	Prog	[ref],[s/s]	
GFRC	Fabrication/Manufacturing Drawings		C435-BFK-C-LRG-M123-50467				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
External Façade & OSD Roof Decking	General Arrangements		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<SOR>	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
External Façade & OSD Roof Decking	Setting-out		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		DES-pdf	No	n/a	n/a	n/a	n/a	[ref],[s/s],[sig chg]	
External Façade & OSD Roof Decking	Sections		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<>SOR	ATK<>BFK	Prog	[ref],[s/s]	
External Façade & OSD Roof Decking	Elevations		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<>SOR	ATK<>BFK	Prog	[ref],[s/s]	
External Façade & OSD Roof Decking	Details		C435-BFK-C-LRG-M123-50467				X		X		X					X	X			X		AB-pdf	Chg only<>SOR	No	Yes<>SOR	ATK<>BFK	Prog	[ref],[s/s]	
External Façade & OSD Roof Decking	Fabrication/Manufacturing Drawings		C435-BFK-C-LRG-M123-50467				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
PES	General Arrangements		C435-BFK-X-LRG-M123-50001				X		X		X					X	X			X		AB-pdf	Chg only<>LIG	No	Yes<>LIG	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
PES	Sections		C435-BFK-X-LRG-M123-50001				X		X		X					X	X			X		AB-pdf	Chg only<>LIG	No	Yes<>LIG	ATK<>BFK	Prog	[ref],[s/s]	
PES	Elevations		C435-BFK-X-LRG-M123-50001				X		X		X					X	X			X		AB-pdf	Chg only<>LIG	No	Yes<>LIG	ATK<>BFK	Prog	[ref],[s/s]	
PES	Details		C435-BFK-X-LRG-M123-50001				X		X		X					X	X			X		AB-pdf	Chg only<>LIG	No	Yes<>LIG	ATK<>BFK	Prog	[ref],[s/s]	
PES	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50001				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Platform End Walls	General Arrangements		C435-BFK-X-LRG-M123-50001				X		X		X					X	X			X		AB-pdf	Chg only<>LIG	No	Yes<>LIG	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Platform End Walls	Elevations, Sections & Details		C435-BFK-X-LRG-M123-50001				X		X		X					X	X			X		AB-pdf	Chg only<>LIG	No	Yes<>LIG	ATK<>BFK	Prog	[ref],[s/s]	
Platform End Walls	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50001				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Blockwork	General Arrangements		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		AB-pdf	Chg only<>PBL	No	Yes<>PBL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Blockwork	Details		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		AB-pdf	Chg only<>PBL	No	Yes<>PBL	ATK<>BFK	Prog	[ref],[s/s]	
Blockwork	Elevations		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		AB-pdf	Chg only<>PBL	No	Yes<>PBL	ATK<>BFK	Prog	[ref],[s/s]	
Blockwork	Wi SYSTEM DESIGN SUBMISSION		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Blockwork	Wi System Fixing Guidance		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Upper Apse Ceiling	General Arrangements		C435-BFK-Y-LRG-M123-50003				X		X		X		X			X	X			X		RED-pdf	Chg only<>ECP	No	No	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Upper Apse Ceiling	Sections		C435-BFK-Y-LRG-M123-50003				X		X		X					X	X			X		RED-pdf	Chg only<>ECP	No	No	ATK<>BFK	Prog	[ref],[s/s]	
Upper Apse Ceiling	Details		C435-BFK-Y-LRG-M123-50003				X		X		X					X	X			X		RED-pdf	Chg only<>ECP	No	No	ATK<>BFK	Prog	[ref],[s/s]	
Upper Apse Ceiling	Unit Drawings (including reinforcement)		C435-BFK-Y-LRG-M123-50003				X			X		X								X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Upper Apse Ceiling	Mould Drawings		C435-BFK-Y-LRG-M123-50003				X			X		X								X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Lower Apse Ceiling (pre-cast only)	Pre-cast General Arrangements		C435-BFK-Y-LRG-M123-50003				X		X		X		X			X	X			X		RED-pdf	Chg only<>ECP	No	No	???<>BFK	Prog	[ref],[s/s]	
Lower Apse Ceiling (pre-cast only)	Pre-cast Sections & Details		C435-BFK-Y-LRG-M123-50003				X		X		X		X			X	X			X		RED-pdf	Chg only<>ECP	No	No	???<>BFK	Prog	[ref],[s/s]	
Lower Apse Ceiling (pre-cast only)	Pre-cast Unit Drawings (including reinforcement)		C435-BFK-Y-LRG-M123-50003				X			X		X								X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Lower Apse Ceiling (pre-cast only)	Pre-cast Mould Drawings		C435-BFK-Y-LRG-M123-50003				X			X		X								X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
General Metalwork	Escape Stairs Mesh		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Balustrades & handrailing for BOH precast stairs		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Metal stairs & Balustrades - MNS-03A & MNS-03B		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Metal stairs & Balustrades - Remaining BOH Stairs		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Ladders & Walkways		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Guard rails to ramps		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Temporary roof guard rails		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Internal Balustrades		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Grid flooring		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Stainless steel weave mesh- Forced Air Damper EB & LV-20a		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Stainless steel weave mesh- Remainder		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	WTH Chiller support frame		C435-BFK-X-LRG-M123-50008				X		X			X					X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	ETH Signage band and truss - Prototype		C435-BFK-X-LRG-M123-50008				X		X			X				X	X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
General Metalwork	ETH Signage band and truss - Permanent Design		C435-BFK-X-LRG-M123-50008				X		X		X					X	X			X		AB-pdf	Chg only<>MCB	No	Yes<>MCB	ATK<>BFK	Prog	[ref],[s/s]	
General Metalwork	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50008				X		X			X								X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Access Gantry	General Arrangements		C435-BFK-X-LRG-M123-50028				X		X		X					X	X			X		RED-pdf	Yes<>C435	Prog	No	ATK<>BFK	Prog	[ref],[s/s]	
Access Gantry	Elevations		C435-BFK-X-LRG-M123-50028				X		X		X					X	X			X		RED-pdf	Yes<>C435	Prog	No	ATK<>BFK	Prog	[ref],[s/s]	
Access Gantry	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50028				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Internal Cladding	General Arrangements		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Internal Cladding	Sections		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Internal Cladding	Elevations		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Internal Cladding	Details		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Internal Cladding	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50003				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
External Façade Curtain Walling	General Arrangements		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
External Façade Curtain Walling	Details & Sections		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
External Façade Curtain Walling	Elevations		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
External Façade Curtain Walling	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50003				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Architectural Metalwork FoH	General Arrangements		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Architectural Metalwork FoH	Details & Sections		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	

Learning Legacy Document

C435-BFK-O-LRC-M123-50001_Rev 7.0

Minimum Assurance and Redline & As-built requirements for C435 Drawings - Subcontractor F2 Design

Drawing Details				Produced, Reviewed & Approved on drawings by					Minimum Design Assurance (P-status & IFC)													Redline and As-built Drawing submissions							
Package	Drawing Type	Delivery Contractor	RIR eB Number						Submitted to BFK or NGB (MEP) For		Submitted to CRL For		Reviewed by								Notes	F2 Drawing 'end of life' code	F2 Redline req'd (pdf only) <> Produced by	Previous F2 Xrev drawing appended (as req'd)	Subcon As-built req'd (pdf ONLY) <> Produced by	F1 design by <> Redline of F1 design Produced by	Previous F1 Xrev drawing appended (as req'd)	F2 design &/or Redline impact on F1 design	Notes
				NGB	WSP	ATK	Subcon	BFK	Accept	Info	Accept	Info	C136	C121	CEG	CRL FE	ATK	NGB/ WSP	KPS	BFK		DES-pdf/ RED-pdf/ AB-pdf	Yes/ No/ Chg Only	Yes/ No/ Progressive	Yes/ No		Yes/ No/ Progressive		
Architectural Metalwork FoH	Elevations		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Architectural Metalwork FoH	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50003				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Trellidor (Boswick) gates	General Arrangements		C435-BFK-X-LRG-M123-50003				X		X			X				X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Trellidor (Boswick) gates	Details & Sections		C435-BFK-X-LRG-M123-50003				X		X			X				X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Trellidor (Boswick) gates	Elevations		C435-BFK-X-LRG-M123-50003				X		X			X				X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Trellidor (Boswick) gates	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50003				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Sliding gates	General Arrangements		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Sliding gates	Details & Sections		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Sliding gates	Elevations		C435-BFK-X-LRG-M123-50003				X		X		X					X	X			X		AB-pdf	Chg only<>DGL	No	Yes<>DGL	ATK<>BFK	Prog	[ref],[s/s]	
Sliding gates	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50003				X			X		X										DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Precast Stairs	General Arrangements		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		AB-pdf	Chg only<>BML	No	Yes<>BML	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Precast Stairs	Details		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		AB-pdf	Chg only<>BML	No	Yes<>BML	ATK<>BFK	Prog	[ref],[s/s]	
Precast Stairs	Elevations		C435-BFK-X-LRG-M123-50002				X		X			X					X			X		AB-pdf	Chg only<>BML	No	Yes<>BML	ATK<>BFK	Prog	[ref],[s/s]	
Precast Stairs	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50002				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Coffer Ceiling	General Arrangements (refer F1 tab)		C435-BFK-C-LRG-M123-50027																			n/a	Yes<>C435	No	No	C136<>BFK	No	n/a	
Coffer Ceiling	Sections & Details (refer F1 tab)		C435-BFK-C-LRG-M123-50027																			n/a	Yes<>C435	No	No	C136<>BFK	No	n/a	
Coffer Ceiling	Reinforcement Detailing (refer F1 tab)		C435-BFK-C-LRG-M123-50004																			RED-pdf	Yes<>C435	Prog	No	ATK<>BFK	Prog	[ref],[s/s]	
Coffer Ceiling	Steelwork connections (refer above)		C435-BFK-X-LRG-M123-50004																			RED-pdf	Yes<>C435	Prog	No	C136<>BFK	No	[ref],[s/s]	
Doors	Door Detail Drawings (FOH & BOH)		C435-BFK-X-LRG-M123-50009				X		X		X				X	X	X	X		X		AB-pdf	Chg only<>AA	No	Yes<>AA	ATK<>BFK	Prog	[ref],[s/s]	
Doors	Wall Access Hatch Detail Drawings (FOH & BOH)		C435-BFK-X-LRG-M123-50009				X		X			X					X			X		AB-pdf	Chg only<>AA	No	Yes<>AA	ATK<>BFK	Prog	[ref],[s/s]	
Doors	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50009				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
ETH Transformer Room Doors	Detail Drawings		C435-BFK-X-LRG-M123-50009				X		X		X				X	X	X			X		AB-pdf	Chg only<>AA	No	Yes<>AA	ATK<>BFK	Prog	[ref],[s/s]	
ETH Transformer Room Doors	Elevation Drawings		C435-BFK-X-LRG-M123-50009				X		X			X					X			X		AB-pdf	Chg only<>AA	No	Yes<>AA	ATK<>BFK	Prog	[ref],[s/s]	
WTH Tunnel Vent Fan & Transformer Room Doors	Detail Drawings		C435-BFK-X-LRG-M123-50012				X		X		X				X	X	X			X		AB-pdf	Chg only<>RHI	No	Yes<>RHI	ATK<>BFK	Prog	[ref],[s/s]	
WTH Tunnel Vent Fan & Transformer Room Doors	Elevation Drawings		C435-BFK-X-LRG-M123-50012				X		X			X					X			X		AB-pdf	Chg only<>RHI	No	Yes<>RHI	ATK<>BFK	Prog	[ref],[s/s]	
Special Doors	Detail Drawings (FOH & BOH)		C435-BFK-X-LRG-M123-50027				X		X		X				X	X	X			X		AB-pdf	Chg only<>TKT	No	Yes<>TKT	ATK<>BFK	Prog	[ref],[s/s]	
Special Doors	Elevation Drawings (FOH & BOH)		C435-BFK-X-LRG-M123-50027				X		X			X					X			X		AB-pdf	Chg only<>TKT	No	Yes<>TKT	ATK<>BFK	Prog	[ref],[s/s]	
Trackside Doors	Detail Drawings (FOH & BOH)		C435-BFK-X-LRG-M123-50029				X		X		X				X	X	X			X		AB-pdf	Chg only<>BOO	No	Yes<>BOO	ATK<>BFK	Prog	[ref],[s/s]	
Trackside Doors	Elevation Drawings (FOH & BOH)		C435-BFK-X-LRG-M123-50029				X		X			X					X			X		AB-pdf	Chg only<>BOO	No	Yes<>BOO	ATK<>BFK	Prog	[ref],[s/s]	
Glazed Screen to lift & Escalators	General Arrangements		C435-BFK-X-LRG-M123-50015				X		X		X				X	X	X			X		AB-pdf	Chg only<>LWL	No	Yes<>LWL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Glazed Screen to lift & Escalators	Details & Sections		C435-BFK-X-LRG-M123-50015				X		X		X				X	X	X			X		AB-pdf	Chg only<>LWL	No	Yes<>LWL	ATK<>BFK	Prog	[ref],[s/s]	
Glazed Screen to lift & Escalators	Elevations		C435-BFK-X-LRG-M123-50015				X		X		X				X	X	X			X		AB-pdf	Chg only<>LWL	No	Yes<>LWL	ATK<>BFK	Prog	[ref],[s/s]	
Glazed Screen to lift & Escalators	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50015				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
FoH Flooring	Installation Detail Drawings		C435-BFK-X-LRG-M123-50010				X		X			X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
FoH & BOH Access Hatches	Detail and Section Drawing		C435-BFK-X-LRG-M123-50010				X		X		X					X	X			X		AB-pdf	Chg<>DMC	Prog	Yes<>DMC	ATK<>BFK	Prog	[ref],[s/s]	
Surespan Access Hatches	General Arrangement, Detail and Installation Drawings		C435-BFK-X-LRG-M123-50010				X		X		X					X	X			X		RED-pdf	Yes<>C435	Prog	No	ATK<>BFK	Prog	n/a	
Acoustic Lining	General Arrangements		C435-BFK-X-LRG-M123-50011				X		X			X					X			X		AB-pdf	No	Prog	Yes<>SAS	ATK<>BFK	Prog	[ref],[s/s]	
Acoustic Lining	Detail Drawings		C435-BFK-X-LRG-M123-50011				X		X			X					X			X		AB-pdf	No	Prog	Yes<>SAS	ATK<>BFK	Prog	[ref],[s/s]	
Acoustic Lining	Elevation Drawings		C435-BFK-X-LRG-M123-50011				X		X			X					X			X		AB-pdf	No	Prog	Yes<>SAS	ATK<>BFK	Prog	[ref],[s/s]	
Signage	General Arrangements		C435-BFK-X-LRG-M123-50013				X		X		X				X	X	X			X		AB-pdf	Chg only<>MER	No	Yes<>MER	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Signage	Details & Sections		C435-BFK-X-LRG-M123-50013				X		X		X				X	X	X			X		AB-pdf	Chg only<>MER	No	Yes<>MER	ATK<>BFK	Prog	[ref],[s/s]	
Signage	Elevations		C435-BFK-X-LRG-M123-50013				X		X		X				X	X	X			X		AB-pdf	Chg only<>MER	No	Yes<>MER	ATK<>BFK	Prog	[ref],[s/s]	
Signage	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50013				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Signage - Totems	General Arrangements		C435-BFK-X-LRG-M123-50017				X		X		X				X	X	X			X		AB-pdf	Chg only<>AJW	No	Yes<>AJW	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Signage - Totems	Details & Sections		C435-BFK-X-LRG-M123-50017				X		X		X				X	X	X			X		AB-pdf	Chg only<>AJW	No	Yes<>AJW	ATK<>BFK	Prog	[ref],[s/s]	
Signage - Totems	Elevations		C435-BFK-X-LRG-M123-50017				X		X		X				X	X	X			X		AB-pdf	Chg only<>AJW	No	Yes<>AJW	ATK<>BFK	Prog	[ref],[s/s]	
Signage - Totems	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50017				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Service Boom	General Arrangements		C435-BFK-X-LRG-M123-50026				X		X		X				X	X	X			X		AB-pdf	Chg only<>DAL	No	Yes<>DAL	ATK<>BFK	Prog	[ref],[s/s],[sig chg]	
Service Boom	Setting-out		C435-BFK-X-LRG-M123-50026				X		X		X				X	X	X			X		AB-pdf	Chg only<>DAL	No	Yes<>DAL	ATK<>BFK	Prog	[ref],[s/s]	
Service Boom	Details & Sections		C435-BFK-X-LRG-M123-50026				X		X		X				X	X	X			X		AB-pdf	Chg only<>DAL	No	Yes<>DAL	ATK<>BFK	Prog	[ref],[s/s]	
Service Boom	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50026				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Access hatches (EJco)	Fabrication/Manufacturing Drawings		C435-BFK-X-LRG-M123-50010				X			X		X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Platform Benches	Manufacture Drawings of Seats		C435-BFK-C-LRG-M123-50648				X		X		X					X	X			X		AB-pdf	Chg only<>SIL	No	YES <> SIL	ATK<>BFK	Prog	n/a	
External Louvres	Elevations		C435-BFK-X-LRG-M123-50020				X		X		X					X	X			X		AB-pdf	Chg only<>CIL	No	YES <> CIL	ATK<>BFK	Prog	n/a	
External Louvres	Details		C435-BFK-X-LRG-M123-50020				X		X		X					X	X			X		AB-pdf	Chg only<>CIL	No	YES <> CIL	ATK<>BFK	Prog	n/a	
Cat Ladder Fall Arrest and anchor points	Anchor Point Location Drawings		C435-BFK-X-LRG-M123-50031				X		X		X					X	X			X		RED-pdf	Yes<>C435	Prog	No	ATK<>BFK	Prog	n/a	
Vehicle Gates / Barriers to WTH Service Yard	Connection Detail Drawings		C435-BFK-X-LRG-M123-50032				X		X		X					X	X			X		AB-pdf	Chg only<>PRO	No	No	ATK<>BFK	Prog	n/a	
Bollards on Farringdon Road	Bollard Drawings		C435-BFK-X-LRG-M123-50033				X		X		X					X	X			X		RED-pdf	Yes<>C435	Prog	No	ATK<>BFK	Prog	n/a	
A1 Fire Shutter	Fire Shutter Drawings		C435-BFK-X-LRG-M123-50034				X		X			X					X			X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Scott White and Hookins Design	Butcher's Ramp Parapet Wall		C435-BFK-X-LRG-M123-50036				X		X		X					X	X			X		RED-pdf	Yes<>C435	Prog	No	ATK<>BFK	Prog	n/a	
MEP F2 Detail Fabrication drawings																													
Mechanical	Ductwork Layout Drawings		C435-BFK-M-LRG-M123-50003				X		X		X					X		X				RED-pdf	Yes<>HD	Prog	OMM<>HD	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Mechanical	Ductwork Support Arrangements		C435-BFK-M-LRG-M123-50003				X		X		X					X		X				DES-pdf	No	No	No	WSP<>NGB	Yes	[ref],[s/s]	
Mechanical	Smoke Control Schematics and Layout Drawings		C435-BFK-M-LRG-M123-50003				X		X		X					X		X				AB-pdf	Yes<>END	No	Yes<>END	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Mechanical	Outstation Design		C435-BFK-M-LRG-M123-50003				X		X		X				X	X		X				AB-pdf	Yes<>HON	Prog	OMM<>HON	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Mechanical	MCC General Arrangement drawings		C435-BFK-M-LRG-M123-50003				X		X		X				X	X		X				AB-pdf	Yes<>TEW	Prog	OMM<>HON	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Heating, Ventilation and Cooling	BMS Control Panel Drawings and Schematics		C435-BFK-H-LRG-M123-50001				X		X		X					X		X				AB-pdf	Yes<>HON	No	Yes<>HON	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Heating, Ventilation and Cooling	Tank and Pump Drawings		C435-BFK-H-LRG-M123-50001				X		X		X					X		X				AB-pdf	YES<>ICE	No	YES<>ICE	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Heating, Ventilation and Cooling	Control Panel Drawings		C435-BFK-H-LRG-M123-50001				X		X		X					X		X				AB-pdf	YES<>TTC	No	YES<>TTC	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Electrical	Busbar Power Arrangement		C435-BFK-E-LRG-M123-50001				X		X		X					X		X				RED-pdf	Yes<>SMN	Prog	OMM<>SMN	WSP<>NGB	Yes	[ref],[s/s]	
Electrical	UPS Details		C435-BFK-E-LRG-M123-50001				X		X		X				X	X		X				RED-pdf	Yes<>AEG	Prog	OMM<>AEG	WSP<>NGB	Yes	[ref],[s/s]	
Electrical	Lighting Control Details		C435-BFK-E-LRG-M123-50001				X		X		X				X	X		X				AB-pdf	Yes<>DEL	No	Yes <> Del	WSP<>NGB	Yes	[ref],[s/s]	
Electrical	ATS General Arrangement Drawings		C435-BFK-E-LRG-M123-50001				X		X		X					X		X				AB-pdf	Yes<>AFS	n/a	Yes <>AFS	WSP<>NGB	Yes	[ref]	
Electrical	ATS Schematics		C435-BFK-E-LRG-M123-50001				X		X		X					X		X				AB-pdf	Yes<>AFS	n/a	Yes <>AFS	WSP<>NGB	Yes	[ref]	
Electrical	Switchgear General Arrangement Drawings		C435-BFK-E-LRG-M123-50001				X		X		X					X		X				AB-pdf	Yes<>AFS	No	Yes <>AFS	WSP<>NGB	Yes	[ref]	
Electrical	Switchgear Schematics		C435-BFK-E-LRG-M123-50001				X		X		X					X		X				AB-pdf	Yes<>AFS	No	Yes <>AFS	WSP<>NGB	Yes	[ref]	
Fire	Detection Control Layout		C435-BFK-E1-LRG-M123-50046				X		X		X				X	X	X	X				RED-pdf	Chg only<>GFS	No	No	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Fire	Fire Detection Schematics		C435-BFK-E1-LRG-M123-50046				X		X		X				X	X	X	X				RED-pdf	Chg only<>GFS	No	No	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Fire	Fire Control Panels		C435-BFK-E1-LRG-M123-50046				X		X		X				X	X	X	X				RED-pdf	Chg only<>GFS	No	No	WSP<>NGB	Yes	[ref],[s/s],[sig chg]	
Fire	Watermist drawings (General Arrangements, Schematics, Wiring Diagrams		C435-BFK-H-LRG-M123-50001				X		X		X				X	X	X	X				AB-pdf	Chg only<>PRO	No	Yes <> PRO	WSP<>NGB	Yes	[ref]	
Fire	Fire Main Drawing Details		C435-BFK-H-LRG-M123-50001				X		X		X				X	X	X	X				AB-pdf	Chg only<>PRO	No	Yes <> PRO	WSP<>NGB	Yes	[ref]	
Fire	Hydramist Drawings (Wiring Schematics, General Arrangement)		C435-BFK-H-LRG-M123-50001				X		X		X				X	X	X	X				AB-pdf	Chg only<>FWS	No	Yes <> FWS	WSP<>NGB	Yes	[ref]	
L&E																													
Vertical Lifts	General Arrangements		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	

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Minimum Assurance and Redline & As-built requirements for C435 Drawings - Subcontractor F2 Design

Drawing Details										Minimum Design Assurance (P-status & IFC)												Redline and As-built Drawing submissions							
Package	Drawing Type	Delivery Contractor	RIR eB Number	Produced, Reviewed & Approved on drawings by					Submitted to BFK or NGB (MEP) For		Submitted to CRL For		Reviewed by								Notes	F2 Drawing 'end of life' code	F2 Redline req'd (pdf only) <> Produced by	Previous F2 Xrev drawing appended (as req'd)	Subcon As-built req'd (pdf ONLY) <> Produced by	F1 design by <> Redline of F1 design Produced by	Previous F1 Xrev drawing appended (as req'd)	F2 design &/or Redline impact on F1 design	Notes
				NGB	WSP	ATK	Subcon	BFK	Accept	Info	Accept	Info	C136	C121	CEG	CRL FE	ATK	NGB/ WSP	KPS	BFK		DES-pdf/ RED-pdf/ AB-pdf	Yes/ No/ Chg Only	Yes/ No/ Progressive	Yes/ No		Yes/ No/ Progressive		
Vertical Lifts	Layout for builder - plans		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Vertical Lifts	Layout for builder - elevations		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Vertical Lifts	Installation layout - plans		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Vertical Lifts	Guide rail setout and plumbing drawings		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Vertical Lifts	Entrance layouts		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Vertical Lifts	Layout for authority approvals		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Vertical Lifts	Car operating panels		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	

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Minimum Assurance and Redline & As-built requirements for C435 Drawings - Subcontractor F2 Design

Drawing Details																											
				Produced, Reviewed & Approved on drawings by					Minimum Design Assurance (P-status & IFC)													Redline and As-built Drawing submissions							
Package	Drawing Type	Delivery Contractor	RIR eB Number						Submitted to BFK or NGB (MEP) For		Submitted to CRL For		Reviewed by								Notes	F2 Drawing 'end of life' code	F2 Redline req'd (pdf only) <> Produced by	Previous F2 Xrev drawing appended (as req'd)	Subcon As-built req'd (pdf ONLY) <> Produced by	F1 design by <> Redline of F1 design Produced by	Previous F1 Xrev drawing appended (as req'd)	F2 design &/or Redline impact on F1 design	Notes
				NGB	WSP	ATK	Subcon	BFK	Accept	Info	Accept	Info	C136	C121	CEG	CRL FE	ATK	NGB/ WSP	KPS	BFK		DES-pdf/ RED-pdf/ AB-pdf	Yes/ No/ Chg Only	Yes/ No/ Progressive	Yes/ No		Yes/ No/ Progressive		
Vertical Lifts	Car designs		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Vertical Lifts	LEER Layout for advance spaceproofing		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Vertical Lifts	LEER Layout for advance spaceproofing		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Vertical Lifts	Block Diagram interconnection - Station UPS		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Vertical Lifts	Earth Bonding Diagram		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Vertical Lifts	Block Diagram interconnection		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Vertical Lifts	Communications Junction Box		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Inclined Lifts	General Arrangements		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	Layout for builder - plans		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	Layout for builder - elevations		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	Installation layout - plans		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	Guide rail setout and plumbing drawings		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	Entrance layouts		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	Layout for authority approvals		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Inclined Lifts	Car operating panels		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	Car designs		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		AB-pdf	Chg only<>KON	No	Yes<>KON	n/a	n/a	n/a	
Inclined Lifts	LEER Layout for advance spaceproofing		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Inclined Lifts	LEER Layout for advance spaceproofing		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Inclined Lifts	Block Diagram interconnection - Station UPS		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Inclined Lifts	Earth Bonding Diagram		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Inclined Lifts	Block Diagram interconnection		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Inclined Lifts	Communications Junction Box		C435-BFK-M1-LRG-M123-50001				X		X		X					X	X	X		X		DES-pdf	No	n/a	n/a	n/a	n/a	n/a	
Escalators	Builders Works drawings		C435-BFK-M1-LRG-M123-50002				X		X		X					X	X	X		X		AB-pdf	Chg only<>OTL	No	Yes<>OTL	n/a	n/a	n/a	
Escalators	Electrical Equipment Room Layout drawings		C435-BFK-M1-LRG-M123-50002				X		X		X					X	X	X		X		AB-pdf	Chg only<>OTL	No	Yes<>OTL	n/a	n/a	n/a	
Escalators	General Arrangements		C435-BFK-M1-LRG-M123-50002				X		X		X					X	X	X		X		AB-pdf	Chg only<>OTL	No	Yes<>OTL	n/a	n/a	n/a	
Escalators	Floor plate arrangement (incl. Extension details)		C435-BFK-M1-LRG-M123-50002				X		X		X					X	X	X		X		AB-pdf	Chg only<>OTL	No	Yes<>OTL	n/a	n/a	n/a	
Install only F2 Subcontract works																													
Screeding	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
M&E BWIC	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	n/a	n/a	n/a	
External Render	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
Painting & decorating	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
Vinyl flooring to toiles/staff locker areas	Descoped		Descoped																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
IPS Panelling	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
Toilets	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
Sanitary Ware	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
GLAP (Gate line attendance points)	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
FF&E (Furniture, Fixtures & Equipment) -	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
Platform Construction & Nosing	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
Plaque	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	
Waterproofing (Below Ground)	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Armco Barrier to Service Yard	No F2 Drawings		No F2 design																			n/a	n/a	n/a	n/a	ATK<>BFK	Prog	n/a	

Red text denotes changes from previous version beyond Revision 6.0

Red italic text denotes change from previous informal/WIP issue, to be removed prior to formal submission.

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Minimum Assurance and Redline & As-built requirements for C435 Drawings - Subcontractor F2 Design

Drawing Details									Minimum Design Assurance (P-status & IFC)											Redline and As-built Drawing submissions							
Package	Drawing Type	Delivery Contractor	RIR eB Number	Produced, Reviewed & Approved on drawings by					Submitted to BFK or NGB (MEP) For		Submitted to CRL For		Reviewed by								Notes	F2 Drawing 'end of life' code	F2 Redline req'd (pdf only) <> Produced by	Previous F2 Xrev drawing appended (as req'd)	Subcon As-built req'd (pdf ONLY) <> Produced by	F1 design by <> Redline of F1 design Produced by	Previous F1 Xrev drawing appended (as req'd)	F2 design &/or Redline impact on F1 design	Notes
				NGB	WSP	ATK	Subcon	BFK	Accept	Info	Accept	Info	C136	C121	CEG	CRL FE	ATK	NGB/ WSP	KPS	BFK		DES-pdf/ RED-pdf/ AB-pdf	Yes/ No/ Chg Only	Yes/ No/ Progressive	Yes/ No		Yes/ No/ Progressive		

MINIMUM ASSURANCE NOTES

[1] Unless noted otherwise, the above minimum assurance required are for the P-Revisions of the drawings. The C-Revisions will always be issued to CRL For Information.
[2] ATK/NBG:WSP assurance is not a review of individual drawings, but is through the coordination of the 2D & 3D CAD models in Projectwise and closeout of Clash detection reports.
[3] P status/revision drawings to be raised on FCD with following content:
1) Details of changes from previously accepted revision of the drawing.
2) Link to latest comment sheet C435-BFK-?-XCS-M123-5xxxx and mention of any open comments on the attached drawings and their impact. If no open comments, state this.
3) Clash detection extract (summary or screenshot) to demonstrate no clashes between services (specifically Fire & MEP).

Drawing 'end of life' codes

Code	Meaning	Applies to
DES-TW	Design Temp Works only	Temporary Works
DES-pdf	Design IFC (pdf only)	F2 design only
DES-cad	Design IFC (pdf & cad)	F1 design only
RED-pdf	Redline (pdf only)	F1 and F2 design
AB-pdf	As-built (pdf only)	F2 design only & F1 design schedules only
AB-cad	As-built (pdf & cad)	F1 design only

REDLINE & AS-BUILT NOTES

1. C435 Architectural and Structural F1 design (ATK): Redline drawings only required for:
a. Significant changes where no F2 Redline (and/or As-built) drawing exists or is required, e.g. screeding.
b. Where the F2 design does not provide all the information shown on the ATK F1 design drawings (e.g. windpost table drawings). Redlines only required on these ATK F1 design drawings for significant change, otherwise as-built only.
c. A small number of redlines of GAs and/or elevations as required to show the scope of the package and to reference the relevant subcontractor DRIR(s). Drawings to be redlined to be agreed with CRL via submission of F1 design DRIR.
C435 Architectural and Structural F1 design (ATK): as-built drawings only required for all F1 design ATK drawings listed on each sub-construction certificate part 2 of 2, Sections 3 and 7. (These should include all redlined ATK F1 design drawings and all ATK F1 design drawings from part b.)
As-builts of ATK drawings are to cross-reference relevant sub-contractor DRIRs. Listed DRIRs must be linked to items on drawing (e.g. "For secondary steelwork, refer to Bourne Steel DRIR, C435-BFK-X-LRG-M123-50004)
2. C435 MEP F1 design (NGB/WSP): Produce Redline (and/or As-built) drawing of F1 drawing if an F2 detailed design and/or fabrication drawing does not exist, otherwise, add a note to refer to the F2 Redline (and/or As-built) drawing.
3. C435 Fit-out Subcontractor F2 design: Redline drawings should be progressive in that they build on the previous Redline drawing, if not previous revisions of Redline drawing should be appended to create single pdf file with multiple pages (of Redline X revisions).
4. C435 Fit-out/MEP Subcontractor F2 design and/or Redline impact on F1 Architectural (ATK)/MEP (NGB/WSP) design: (1) [ref] Subcontractor F2 design drawing to be referenced on F1 design drawing; (2) [s/s] 'Superseded' banner applied to redundant F1 design with note directing reader to Subcontractor F2 design drawings; (3) [sig chg] For significant change Projectwise cad model updates required and F1 drawings updated & reissued.
5. C435 Fit-out/MEP Subcontractor F2 design: As-built F2 drawing (as pdf ONLY) required for elements of work required for O&M manuals (as agreed with CRL).
6. C435 Fit-out/MEP Subcontractor F2 design: For the F2 Redline and F2 As-built (pdf) drawings, the drawings will NOT be updated to incorporate changes to the Architectural and/or Structural backgrounds unless the changes are significant AND directly affects the area of the F2 Subcontractor works.
7. C136 Structural (GA) F1 design: C435 Lining Wall Re-Injectable Grout Tube Location Surveys to be appended to most relevant C136 Structural (GA) drawing.
8. C136 Waterproofing Typical F1 Details: (1) Redline drawings to reference C435 Waterproofing Redline drawings; (2) As-built drawings to also reference C435 Waterproofing Redline drawings; (3) Typical detail drawings to be location & package specific (ie one 'X0x' version per package/location).
9. C121 SCL Structural F1 design: SCL Cross-Sections only need to reference construction record eB numbers for the profiles. The profiles should be marked up with eB PTRs where applicable.
10. C121 Waterproofing Typical F1 Details: (1) Redline drawings to reference C435 Secondary Lining Construction Joint & Injection Point Location Redline drawings; (2) As-built drawings to reference C435 Secondary Lining Construction Joint & Injection Point Location As-Built drawings.
11. C122 F1 Drawings (GS and TAMs): I&M captured in decommissioning reports. Final Redline drawing in the series to incorporate changes from previous revisions.
12. C435 Station Waterproofing: Fabrication Detail to be reproduced as required, if it has altered when used at different locations (eg at different slab levels). A summary location/description shall be appended to the final Redline version, which will clearly illustrate the geographical area on site where each X0x revision applies.

13. Structural Detail F2 design and F2 RC Drawings will end life as multiple Redline drawings per IFC. The final Redline drawing shall be a single document with multiple pages for each of the Redline X revisions.
14. The individual F1 and F2 Document Register & Issue Records (DRIR) will record the drawing progression from IFC (for construction) to Redline (as and when required), and on to As-built (as and when required) at a greater level of granularity. When there is a discrepancy between the F1 and F2 Document Register & Issue Record (DRIR) and the C435 Minimum Assurance and Red-Line & As-built matrix, the F1 and F2 DRIR will always take precedence. The discrepancy could be due to drawing groups not all having the same 'drawing end of life code' as identified on the Minimum Assurance Matrix.
15. The Cast in plate and Baseplate drawings produced by KPS and ATK respectively are described as F1+ because they sit between the C136 F1 design and a combination of the Bourne F2 Steelwork design drawings and Atkins F2 Reinforcement Detailing drawings. The ATK F2 RC drawings and XXXXX F2 Steelwork drawings will be developed into Redline and/or As-built drawings, hence these KPS and ATK drawings have a 'DES-pdf' [Design] drawing 'end of life code'.

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