



Project Name:	Science Museum: Fire Works
Project No:	2002
Stage:	4
Revision:	E (<i>Changes in red italics</i>)

Floor	Room	Methodology	Pin Number	Door Ref	Fire Rating	Leaf Type	Frame Type*	Width (mm)	Height (mm)	Thickness	Glazing	NBS Clauses	Ironmongery
First Floor	GW 104	DOOR_MET_256	0055:09	MAN-000553	30	B - Single flush	C	625	2050	54	No	L20/230, L20/310	1
First Floor	Kitchen	DOOR_MET_256	0035:10	MAN-000517	30	B - Single flush	C	1120	2080	44	No	L20/230, L20/310	1
First Floor	(blank)	DOOR_MET_256	0034:10	0034:10	30	B - Single flush	C	650	2100	44	No	L20/230, L20/310, L40/230	1
First Floor	(blank)	DOOR_MET_256	0056:09	MAN-000551	30	B - Single flush	C	620	2050	44	No	L20/230, L20/310	1
Ground Floor	Communal door in stores area	DOOR_MET_256	0016:08	0016:08	30	E - Single flush with vision panel	C	1300	2100	54	Yes	L20/235, L20/310, L40/230	4



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Ground Floor	Disabled toilet	DOOR_MET_256	0025:10	0025:10	30	B - Single flush	C	1140	2150	44	No	L20/230, L20/310	5
Ground Floor	Geg14	DOOR_MET_257	0019:08	0019:08	30	D - Double metal glazed	E	Site Dim	2020	32	Yes	L20/280A	6
Ground Floor	Riser	DOOR_MET_256	0065:09	0065:09	30	B - Single flush	C	770	1925	44	No	L20/230, L20/310	1
Ground Floor	Riser	DOOR_MET_256	0067:09	0067:09	60	B - Single flush	B	775	1920	54	No	L20/230, L20/310	1
Ground Floor	Riser	DOOR_MET_256	0012:08	0012:08	30	B - Single flush	C	1000	2100	44	No	L20/230, L20/310	1
Ground Floor	Riser in stores area	DOOR_MET_256	0013:08	0013:08	30	B - Single flush	C	690	1800	44	No	L20/230, L20/310	1
Ground Floor	Stairwell door	DOOR_MET_256	0015:08	0015:08	30	E - Single flush with vision panel	C	1000	2100	55	Yes	L20/235, L20/310, L40/230	2
Ground Floor	(blank)	DOOR_MET_256	0008:08	0008:08	30	E - Single flush with vision panel	C	1100	2100	44	Yes	L20/235, L20/310, L40/230	2



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Lower Ground	Communal door to GW LG03	DOOR_MET_256	0023:08	0023:08	30	F - Double flush with vision panels	F	1780	2100	44	Yes	L20/235, L20/310, L40/230	3
Lower Ground	Cross Corridor leading to GW LG08 Entrance	DOOR_MET_256	0041:09	MAN-000582	60	F - Double flush with vision panels	B	1700	2050	54	Yes	L20/235, L20/310, L40/230	7 - NB double/single swing TBC
Lower Ground	GW LG04	DOOR_MET_256	0026:08	0026:08	60	B - Single flush	B	970	2100	54	No	L20/230, L20/310	1
Lower Ground	GW LG4	DOOR_MET_256	0027:08	0027:08	60	G - Double flush	B	1800	2100	54	No	L20/230, L20/310	1
Lower Ground	GW LG01	DOOR_MET_256	0021:08	0021:08	30	G - Double flush	C	1800	2130	54	No	L20/230, L20/310	1
Lower Ground	GW LG06	DOOR_MET_256	0029:08	0029:08	60	G - Double flush	B	1730	2100	54	No	L20/230, L20/310	1
Lower Ground	GW LG09	DOOR_MET_256	0038:09	MAN-000572	30	B - Single flush	C	800	2050	44	No	L20/230, L20/310	1



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Lower Ground	Materials reception	DOOR_MET_256	0031:08	031:08	30	G- Double flush	C	1870	2075	45	No	L20/230, L20/310	7
Lower Ground	Picture store	DOOR_MET_256	0033:08	0033:08	60	B - Single flush	B	750	2100	54	No	L20/230, L20/310	8
Lower Ground	(blank)	DOOR_MET_256	0012:10	0012:10	60	B - Single flush	B	980	2080	44	No	L20/230, L20/310	1
Lower Ground	(blank)	DOOR_MET_256	0006:10	35	30	G- Double flush	C	1880	2100	44	No	L20/230, L20/310	1
Second Floor	Emergency Exit from GW217	DOOR_MET_256	0009:09	MAN-000436	30	F - Double flush with vision panels	C	1700	2050	44	Yes	L20/235, L20/310, L40/230	2
Second Floor	Exit from GW218 towards GW209	DOOR_MET_256	0015:09	MAN-000457	30	E - Single flush with vision panel	C	920	2050	44	Yes	L20/235, L20/310, L40/230	2
Second Floor	Fire exit stairwell doors	DOOR_MET_256	0076:09	MAN-000509	60	A - Double boarded.	A	1230	1980	64	No	L20/410, L20/310	8



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Second Floor	GW209 Plant room	DOOR_MET_256	0016:09	MAN-000458	30	B - Single flush	C	800	2050	44	Yes	L20/230	1
Second Floor	GW210	DOOR_MET_256	0013:09	MAN-000447	30	G- Double flush	C	1700	2050	44	No	L20/230, L20/310	1
First Floor	GW102	DOOR_MET_256	0403:38 (compartmentation pin ref.)	A1403:38	30	B - Single flush	C	980	2080	44	No	L20/230, L20/310	1
Second Floor	GW218	DOOR_MET_257	A1218 (refer to item A1217 below)	A1218	30	double metal glazed		1530	2300	-	Yes	L20/280, L40/230	
Ground Floor	GWG Stair C02	DOOR_MET_257 TBC	A1C02	A1C02	0	H – Frameless glass leaf in steel frame.	As supplied	1250	2300	50 a/o	Yes	L20/460	9
Lower Ground	GW LG08	DOOR_MET_260	0038:38 (compartmentation pin ref.)	A1038:38	30	E - Single flush with vision panel	C	800	2080	44	No	L20/230, L20/310	1



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lower Ground	GW LG13	DOOR_MET_260	0114:38 new	A1GWL G13	30	F - Double flush with vision panels	C	1350	2080	54	No	L20/230, L20/310	1
Lower Ground	corridor	DOOR_MET_256	0125:38 new	A1125:38	30	B - Single flush	C	700	2080	44	No	L20/230, L20/310	
Lower Ground	corridor	DOOR_MET_256	0125:38 new	A2125:38	30	B - Single flush	C	700	2080	44	No	L20/230, L20/310	
Ground	GWG15	DOOR_MET_260	A1GWG15	A1GW G15	30	E - Single flush with vision panel	C	926	2040	44	Yes	L20/230, L20/310	7
Ground	GWG15	DOOR_MET_260	A1GWG15	A2GW G15	30	E - Single flush with vision panel	C	926	2040	44	Yes	L20/230, L20/310	7
Ground	GWGP 01	DOOR_MET_260	0186:38	A1GW GP01	30	E - Single flush with vision panel	C	926	2040	44	Yes	L20/230, L20/310	7
Ground Floor	Communal	DOOR_MET_256	0185:38	A1185:38	60	B - Single flush"	B	620	750	54	No	L20/230, L20/310	1



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Ground Floor	Communal	DOOR_MET_256	0156:38	A1156:38	30	B - Single flush"	C	690	1230	44	No	L20/230, L20/310	1
Second Floor	GW217	COMP_MET_260	A1217	A1217	60^	D - Double metal glazed	D	1625	2040*	35	Yes	L20/280A	10
Second Floor	GW201 into WCs	COMP_MET_260	A1GW201	A1GW201	60	E - Single flush with vision panel	B	1380	2040*	54	Yes	L20/230, L20/310	7



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NOTES

1. Door refs and pins prefixed with the letter A are completely new doorways to the building. The last numbers relate to the nearest room number.
2. All door fastenings and fittings to have been tested on the same doorset (and certification supplied) and meet the Door & Hardware Federation published 'Code of practice: hardware for fire and escape doors' guidance document (available via: http://firecode.org.uk/Code_of_Practice_hardware_for_fire_and_escape_doors.pdf).
3. Sizes given for pricing purposes only – all door openings to be measured on site prior to fabrication.
4. Finger guards to be installed on all new front of house doors.
5. All doors to have perimeter intumescent smoke seals.
6. All doors: Install minimum of 3 hinges with all the screws fitted. Use ironmongery stamped with CE stamp or BSEN 1935 grade 13 (or equivalent),
7. Allow for new SS threshold plates to all new doorsets.
8. All new fire doors to have an air leakage rate not exceeding $3\text{m}^3/\text{m}/\text{hour}$ (from head and jambs only) when tested at 25Pa under **BS 476-31.1**. OR Meet the additional S_a classification when tested to **BS EN 1634-3**.
9. Master keyed suite required for each building. (**NB this may have to change if work packages are further split**)
10. Any references including GW refer to the New Warehouse (or Great Western Warehouse as it is referred to in the Neo reports.)



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KEY

*TBC pending survey data.

^May be downgraded to 30mins – pending fire engineer confirmation.

"These are short doors to act as access hatches to suit existing openings.

Ironmongery Set Types

1. **Key lockable with escape latch, SS lever handles**, door closer, kick plate to both sides. Fire Door Keep Locked Shut signage.
2. **SS pull handle**/push plate, door closer, kick plate to both sides. Fire Door Keep Shut signage.
3. lever handles, door closer, kick plate to both sides. **180 degree double swing hinges**. Fire Door Keep Shut signage.
4. Key **lockable with escape latch**, SS pull handle/push plate, door closer, kick plate to each side. **Electromagnetic hold open device**
5. AD: compliant indicator lock with **thumb turn**, SS lever handles mounted onto SS back plates, kick plate to each side.
6. Key **lockable with escape latch**. **D** lever handles to each side. Push/Pull signage. **Finger guards**. door closer,
7. **Key lockable with escape latch, SS lever handles**, door closer, kick plate to both sides. **Fire Door Keep Shut signage**.
8. **Push bar to open emergency escape ironmongery**, door closer, kick plate to both sides. **Fire Door Keep Shut signage**.
9. **Push bar to open emergency escape ironmongery**, door closer, circular vertical SS pull handles, kick plate to both sides. **External operator with key lock override – 3 point locking -**
10. Key lockable with escape latch. D lever handles to each side. Push/Pull signage. Finger guards. **Electromagnetic hold open closers** connected to fire alarm system, **180deg hinges**.