

**Revision History**

<b>Revision No.</b>	<b>Issued Date</b>	<b>Revision Details</b>
<u>2012 Edition</u>		
1	5-12-2013	Revise the forth division of the testing and commissioning item under the Plumbing and Water Supply Systems on page PLUMB/13.
2	21-2-2014	Add a description option and guidance note for contractor designed glass panels / glazing unit on pages S&M/36, S&M/39 and GLAZ/1.
3	9-7-2014	<p>a) Split the Plumbing and Water Supply Systems into</p> <p>(i) the Plumbing Systems, and</p> <p>(ii) the Sanitary Fittings and Above Ground Drainage Systems.</p> <p>b) Delete phases for pipes &amp; fittings, high pressure valves and pipe protection under the heading of water installation in the bill for External Works on pages EXT/22 and EXT/23 as they are now included under the Plumbing Systems.</p> <p>c) Add a note for contractor’s design responsibility on the first page of the following section:</p> <ul style="list-style-type: none"> <li>- Air Conditioning Installation</li> <li>- Broadcast Reception Installation</li> <li>- Compressed Air System</li> <li>Diesel Generating Sets Installation</li> <li>- Electrical Installation</li> <li>- Fire Service Installation</li> <li>- Fuel Supply System</li> <li>- Liquefied Petroleum Gas Installation</li> <li>- Steam Boiler System</li> <li>- Low Voltage Cubicle Switchboards Installation</li> <li>- Swimming Pool Water Treatment Installation</li> <li>- Uninterruptible Power Supply System</li> </ul>
4	10-11-2014	<p>a) Update GS reference for rockfill and grade 200 recycled rockfill on page EXC/6.</p> <p>b) Update BS EN reference for steel sheet piling on page PIL/1.</p>

**Revision History**

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5	9-2-2015	<p>a) Add a new section for Medical Gas Installation.</p> <p>b) Add a new item of special joints and connections for pipe works under the Plumbing Installation on page PLUMB/1.</p> <p>c) Revise the fourth division of special joints and connections for pipe works under Sanitary Fittings and Above Ground Drainage Systems on page SANITARY/2.</p> <p>d) Replace “'as-fitted' drawings” with “as-built drawings” so as to match with the term in the General Specification on page SANITARY/11.</p>
6	14-12-2015	<p>a) Add GS reference for sub-heading 2 of preserving trees in the section for Excavation on page EXC/2 and External Works on page EXT/1.</p> <p>b) Add GS reference for sub-heading 2 of soil-cement fill in the section for Excavation on page EXC/4.</p> <p>c) Add sub-heading 2 for top layer of soil-cement fill in the section for Excavation on page EXC/4.</p> <p>d) Add sub-heading 1 and 2 for rock fill and recycled rock fill material in the sections for Excavation on page EXC/6 and External Works on pages EXT/4 and EXT/10.</p>
7	24-11-2016	<p>a) Update BS, BS EN &amp; IEC reference for materials in E&amp;M Section.</p> <p>b) Revise the description for materials as follows:</p> <ul style="list-style-type: none"><li>- “Plain Steel bars” to “plain steel reinforcing bars”</li><li>- “deformed high yield steel bars” to “ribbed steel reinforcing bars”</li><li>- “fine graded material” to “fine filling material”</li><li>- “recycled rock fill material” to “recycled rock filling material”</li><li>- “Independent Laboratory” to “Accredited Laboratory”</li></ul>

**Revision History**

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<u>2017 Edition</u>		
8	26-2-2018	<p>Revision on the promulgation of General Specification for Building 2017 Edition and General Specifications for BS Installations 2017 Edition.</p> <p>a) Air Conditioning Installation</p> <ul style="list-style-type: none"><li>- Update DW/144, BS, BS EN, ISO &amp; IEC reference for materials.</li><li>- Revise the description for strainers, add new items for carbon steel strainers and ductile iron strainers.</li><li>- Add “complying statutory noise limit” to cooling towers, water pump sets, chillers, heat pumps, ventilating fans and condensing units.</li><li>- Add insulation items for pipeworks and ancillaries of chilled water system, heat water system.</li><li>- Replace “herring bone” with “corrugated” for heat exchangers.</li><li>- Add new items for ductile iron valves.</li><li>- Replace “Architect” with “Supervising Officer”.</li><li>- Delete “complying Code of Practice for the Electricity (Wiring) Regulations (Cap.406E)” for switches, switchfused and fuseswitches.</li><li>- Add new item for “alarm printer capable of handling continuous paper”.</li><li>- Revise the description for AC sundries, pipe sleeves, conduit sleeves and cable sleeves.</li><li>- Add guidance notes to testing and commissioning for ACMV Installation and IAQ Installation.</li></ul> <p>b) Broadcast Reception Installation</p> <ul style="list-style-type: none"><li>- Update BS, BS EN &amp; IEC reference for materials.</li><li>- Delete “triplex” in “data/FM/TV outlets”</li><li>- Add new item for “providing training to employer’s staff”.</li><li>- Revise the description for broadcast sundries, conduit sleeves and cable sleeves.</li></ul>

**Revision History**

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		<p>c) Compressed Air System</p> <ul style="list-style-type: none"><li>- Update BS EN, ISO reference for materials.</li><li>- Update the GS clauses reference.</li><li>- Revise the description for compressed air system sundries, pipe sleeves, conduit sleeves and cable sleeves.</li></ul> <p>d) Diesel Generating Sets Installation</p> <ul style="list-style-type: none"><li>- Delete acoustic treatment to “fuel tank room”.</li><li>- Add new item for protective devices for control cubicle and protective guard.</li><li>- Revise the description for generating sets sundries, pipe sleeves, conduit sleeves and cable sleeves.</li><li>- Update the GS clauses reference.</li></ul> <p>e) Drainage</p> <ul style="list-style-type: none"><li>- Replace “PD GS” (General Specification for Plumbing and Drainage Installation) with “DI GS” (General Specification for Drainage Installation); subsequently update the GS clauses reference.</li></ul> <p>f) Electrical Installation</p> <ul style="list-style-type: none"><li>- Update BS, BS EN, ISO &amp; IEC reference for materials.</li><li>- Delete “micrograph type” lighting switches.</li><li>- Revise the description for EE sundries, pipe sleeves, conduit sleeves and cable sleeves.</li><li>- Update the GS clauses reference.</li></ul> <p>g) Excavation</p> <ul style="list-style-type: none"><li>- Replace “Rock fill” with “Rock filling material”.</li><li>- Replace “independent surveyor” with “independent firm” for topographical survey.</li></ul> <p>h) External Works</p> <ul style="list-style-type: none"><li>- Replace “Rock fill” with “Rock filling material”.</li></ul> <p>i) Fire Service Installation</p> <ul style="list-style-type: none"><li>- Update BS, BS EN, ISO &amp; IEC reference for materials.</li><li>- Replace “working life” with “life expectancy” for expansion joints.</li></ul>

**Revision History**

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		<ul style="list-style-type: none"><li>- Replace “corrosion resistant” with “brass/ stainless steel” for discharge nozzles.</li><li>- Replace “cassette deck” with “recording and playback devices and decks”.</li><li>- Replace “CD decks” with “CD/DVD decks”.</li><li>- Delete item for cassette tapes.</li><li>- Add “/ resettable type” for manual call points.</li><li>- Delete “complete with at least 20 intelligent addressable devices” for fault isolator modules.</li><li>- Replace “NASF III type” fire extinguishers with “Novec 1230 type” fire extinguishers.</li><li>- Revise the description for FS sundries, pipe sleeves, conduit sleeves and cable sleeves.</li><li>- Update the GS clauses reference.</li></ul> <p>j) Fuel Supply System</p> <ul style="list-style-type: none"><li>- Update ISO &amp; IEC reference for materials.</li><li>- Update the GS clauses reference.</li><li>- Revise the description for fuel supply system sundries, pipe sleeves, conduit sleeves and cable sleeves.</li></ul> <p>k) Liquefied Petroleum Gas Installation</p> <ul style="list-style-type: none"><li>- Update BS EN &amp; ISO reference for materials.</li><li>- Add description for domestic instantaneous type water heater.</li><li>- Update the GS clauses reference.</li><li>- Revise the description for pipe sleeves, conduit sleeves and cable sleeves.</li></ul> <p>l) Medical Gas Installation</p> <ul style="list-style-type: none"><li>- Update BS EN, ISO &amp; IEC reference for materials.</li><li>- Update the GS clauses reference.</li><li>- Revise the description for medical gas sundries, pipe sleeves, conduit sleeves and cable sleeves.</li></ul> <p>m) Piling and Caissons</p> <ul style="list-style-type: none"><li>- Revise the description of raking piles for steel sheet piling, precast concrete piles, cast in-situ concrete piles in driven casings, bored piles and steel piles.</li></ul>

**Revision History**

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		<ul style="list-style-type: none"><li>- Revise the description and unit of cement grouting to exposed dowel bars for precast concrete piles, cast in-situ concrete piles in driven casings and bored piles.</li><li>- Delete the whole sections of caissons and caisson infill panels.</li><li>- Add new sections for rock-socketed steel H-piles and minipiles.</li></ul> <p>n) Plumbing Installation</p> <ul style="list-style-type: none"><li>- Update BS EN, ISO &amp; IEC reference for materials.</li><li>- Revise the description for pipes, fittings and ancillary of plumbing installation.</li><li>- Replace “PD GS” with “PI GS”.</li><li>- Replace “General Specification for Plumbing and Drainage Installation” with “General Specification for Plumbing Installation”; subsequently update the clauses reference.</li><li>- Add new item for “providing training to employer’s staff”.</li><li>- Add new item for “providing (mock-up)”.</li><li>- Revise the description for PI sundries, pipe sleeves, conduit sleeves, cable sleeves and fire stopping.</li></ul> <p>o) Sanitary Fittings and Above Ground Drainage Systems</p> <ul style="list-style-type: none"><li>- Replace “PD GS” with “DI GS” or “PI GS”.</li><li>- Replace “General Specification for Plumbing and Drainage Installation” with “General Specification for Drainage Installation and General Specification for Plumbing Installation”.</li><li>- Update the GS clauses reference.</li></ul> <p>p) Steam Boiler System</p> <ul style="list-style-type: none"><li>- Update BS, BS EN &amp; ISO reference for materials.</li><li>- Update the GS clauses reference.</li><li>- Revise the description for pipe sleeves, conduit sleeves and cable sleeves.</li></ul> <p>q) Low Voltage Cubicle Switchboards Installation</p> <ul style="list-style-type: none"><li>- Update BS, BS EN &amp; IEC reference for materials.</li></ul>

**Revision History**

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		<ul style="list-style-type: none"> <li>- Revise the description for LVSB sundries, conduit sleeves and cable sleeves.</li> <li>- Update the GS clauses reference.</li> </ul> <p>r) Swimming Pool Water Treatment Installation</p> <ul style="list-style-type: none"> <li>- Update BS, BS EN &amp; IEC reference for materials.</li> <li>- Revise the description for the main drain grating.</li> <li>- Add new item for safety vacuum.</li> <li>- Add new item for LED light fittings.</li> <li>- Revise the description for swimming pool sundries, pipe sleeves, conduit sleeves and cable sleeves.</li> <li>- Update the GS clauses reference.</li> </ul> <p>s) Uninterruptible Power Supply System</p> <ul style="list-style-type: none"> <li>- Update BS, BS EN &amp; IEC reference for materials.</li> <li>- Revise the description for conduit sleeves and cable sleeves.</li> </ul> <p>t) Waterproofing</p> <ul style="list-style-type: none"> <li>- Add “approved by the manufacturers/agents” for proprietary roofing systems laid by specialist contractors.</li> </ul>
9	13-3-2018	a) Revise the description for control and monitoring circuits, amplifier output circuits and fire resistant cables for Fire Service Installation.
10	26-4-2018	a) Update BS, BS EN reference of fire resistant cables for Electrical Installation and Uninterruptible Power Supply System.
11	20-3-2019	<p>Revision on the promulgation of HKSMM4 Revised 2018 Incorporating Corrigenda 1.</p> <p>a) Demolitions and alterations</p> <ul style="list-style-type: none"> <li>- Add the description of toxic/hazardous material, state type for pulling down walls, partitions, suspended ceilings, floors, roofs, staircases and other parts of old structures.</li> </ul> <p>b) Piling and Caissons</p> <ul style="list-style-type: none"> <li>- Add pre-boring pile holes item for Steel sheet</li> </ul>

**Revision History**

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		<p>piling.</p> <ul style="list-style-type: none"> <li>- Revise the description of pre-boring pile holes for precast concrete pile, steel piles and rock-socketed steel H-piles.</li> <li>- Add new item for drilling equipment for bored piles and steel piles.</li> <li>- Add pre-drilling, post construction proof drilling, koden tests for bored piles.</li> <li>- Revise the description of pile holes, concrete coring test and non-destructive integrity test of piles for bored piles.</li> <li>- Add pre-drilling, post construction proof drilling, koden tests for bored piles.</li> <li>- Revise the description of pre-drilling and post construction proof drilling for rock-socketed steel H-piles and minipiles.</li> <li>- Revise the description of permanent linings and “H” section piles, grout filling and cutting off heads of piles for rock-socketed H-piles.</li> <li>- Revise the description of pre-drilling, boring and post construction proof drilling for minipiles.</li> <li>- Delete the backfilling and removing from site of underground obstructions for minipiles.</li> <li>- Add new sections for pressure grouting.</li> </ul> <p>c) Excavation</p> <ul style="list-style-type: none"> <li>- Revise the description of over site excavation.</li> <li>- Delete the items of surface excavation, filling in making up levels for excavating pits for pile caps and obtained from specified off site area.</li> <li>- Add new item for excavation and lateral support works.</li> </ul> <p>d) Underpinning</p> <ul style="list-style-type: none"> <li>- Revise the description of sawn formwork</li> <li>- Replace the description of sawn formwork from “not exceeding 100 wide” to “not exceeding 300 wide”.</li> </ul>



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		<p>e) Concrete works</p> <ul style="list-style-type: none"><li>- Add new items for transfer beams and transfer plates.</li><li>- Revise the description of sides and soffit of beams from “exceeding 750 deep” to “exceeding 1.00m deep”.</li><li>- Revise the description of vertical formwork in “100-200 wide” / “200-300 wide” / “300-400 wide” to “not exceeding 300 wide”.</li><li>- Revise the description and unit of edges and soffits of copings, cills, strings, cornices, eaves, overhangs and the like.</li><li>- Revise the description and unit of sawn boxings.</li><li>- Revise the description of precast concrete and in-situ prestressed concrete.</li><li>- Delete the item for cement grouting under steel stanchion bases or grillages.</li></ul> <p>f) Brickwork and blockwork</p> <ul style="list-style-type: none"><li>- Revise the description of blockwork.</li><li>- Delete the item of building in metal.</li></ul> <p>g) Drainage</p> <ul style="list-style-type: none"><li>- Revise the description of excavating trenches, beds, surrounds, manholes and connection with public sewers outside site boundary.</li></ul> <p>h) Wood works</p> <ul style="list-style-type: none"><li>- Revise the description and unit of doors and frames.</li><li>- Delete the item for door frames.</li><li>- Revise the description of duct access doors and frames and trap doors and frames.</li><li>- Revise the description of proprietary fire rated doors.</li><li>- Revise the description of depth of suspension for suspended ceiling from “0.50-2.00m” to “not exceeding 1.50m”.</li><li>- Delete the extra over item for handrails and balustrades.</li></ul>

**Revision History**

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		<p>i) Ironmongery</p> <ul style="list-style-type: none"><li>- Delete the items for expanding anchor bolts, anchor bolts, handrail brackets and timber connectors.</li></ul> <p>j) Steel and metal works</p> <ul style="list-style-type: none"><li>- Revise the description of surface preparation to surface treatment</li><li>- Revise the description of fire protection to structural steel.</li><li>- Revise the description of framed wall mounted handrails.</li><li>- Delete the items for wall brackets.</li><li>- Revise the description of framed balustrades and framed tubular handrails.</li><li>- Add new sections for tactile indicators.</li><li>- Revise the suspended ceilings suspension depth from “not exceeding 150” to “not exceeding 1.50m” and revise the description of upstands and bulkheads.</li><li>- Delete the item for angle trims.</li><li>- Revise the description of windows and curtain walling system.</li></ul> <p>k) Plastering and paving</p> <ul style="list-style-type: none"><li>- Add new items for fire rated enclosure, angle fillets and ceramic tactile tiles.</li></ul> <p>l) Glazing</p> <ul style="list-style-type: none"><li>- Delete the item for sealed double glazing units</li><li>- Replace “parapets” with “railings”.</li></ul> <p>m) Painting</p> <ul style="list-style-type: none"><li>- Revise the description and unit of painting to pipes and conduits.</li><li>- Add new sections for green planting systems and statues, sculptures and stone features.</li></ul> <p>n) External works</p> <ul style="list-style-type: none"><li>- Revised the description and unit of excavating over site.</li><li>- Add new items for excavating into banks.</li></ul>

**Revision History**

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		<ul style="list-style-type: none"><li>- Delete the item for filling in making up levels and wall brackets.</li><li>- Revise the description of vertical formwork in “100-200 wide” / “200-300 wide” to “not exceeding 300 wide”.</li><li>- Revise the description of excavating trenches for service pipes/ cables or ducts.</li></ul>
12	15-7-2019	Revision on Corrigendum No. GS 2017-01 of the General Specification for Building 2017 Edition. a) Piling and Caissons <ul style="list-style-type: none"><li>- Update BS EN reference for sheet piles.</li></ul> b) Plastering and Paving <ul style="list-style-type: none"><li>- Revise the type of tile and slab finishes.</li></ul>