

Metro Manila Subway Project Phase 1
PACKAGE CP104 (Ortigas North and Ortigas South)

ITEM NO.	REFERENCE CLAUSE/SECTION	ADDENDUM No. 13
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Please replacements/modifications are as following

<i>Volume IA Part 1: Bidding Procedures</i>		
<i>Section IV Bidding Form-Bill of Quantities (BOQ)</i>		
	Reference	Corrected, Supplemented or Modified
ARCHITECTURAL		
1.	Pay item no. 1006 (5)	Fire-rated Exit Steel Door Set - Updated BOQ based on Addendum of plans for door
2.	Pay item no. 1006 (7)	Steel Sliding Door Set - Updated BOQ based on Addendum of plans for door
3.	Pay item no. 1004 (2)n	Finishing Hardware Door Stop – Updated in BOQ, additional item
4.	Pay item no. 1011 (1) b	Fire Shutter Door – Updated BOQ based on Addendum of plans for door
5.	Pay item no. 1046 (4) a2	Solid Blocks Non-Load Bearing 150 mm- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
6.	Pay item no. 1046 (1) a2	CHB Load Bearing (including Reinforcing Steel) 150mm- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
7.	Pay item no. 1027 (1)	Cement Plaster Finish- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
8.	Pay item no. 1031 (1) c	Glass Wool Acoustic Panel- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
9.	Pay item no. 1041 (1) a3	Gypsum Board 118mm- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
10.	Pay item no. 1041 (1) a4	Gypsum Board 140mm- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
11.	Pay item no. 1032 (1) a1	Painting Works (Masonry/Concrete) – Acrylic Emulsion- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
12.	Pay item no. 1032 (1) a2	Painting Works (Masonry/Concrete) – Acrylic Polyurethane- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.

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13.	Pay item no. 1012 (9) a1	Fire Rated Laminated Glass - 2-6mm with Polyvinyl Butyral Film Interlayer and Security Film- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
14.	Pay item no. 1012 (10) a1	Toughened Glass - 12mm with Frosted Film- Updated BOQ following Addendum of Increase of wall height from 5.8m to 6.3m ORTIGAS NORTH STATION ONLY.
15.	Pay item no. 1812 (4)	Built-ins - Updated BOQ Rates
STRUCTURAL		
16.	Pay item no. 803 (1) a	Structure Excavation (Common Soil) for ORTIGAS NORTH AND ORTIGAS SOUTH STATION – Updated quantity
17.	Pay item no. 803 (2)	Trimming Works for ORTIGAS NORTH AND ORTIGAS SOUTH STATION - Updated quantity
18.	Pay item no. 1000 (1)	Soil Poisoning/Termiticide Application for ORTIGAS NORTH AND ORTIGAS SOUTH STATION - Updated quantity
19.	Pay item no. 803 (4)	Gravel Fill for ORTIGAS NORTH AND ORTIGAS SOUTH STATION - Updated quantity
20.	Pay item no. 900 (1) (c2)	Structural Concrete (Footings and Slab on Fill) 27.6Mpa at 28 days for ORTIGAS SOUTH STATION ONLY - Updated quantity
21.	Pay item no. 900 (1) (c3)	Structural Concrete (Footing Tie Beams) 27.6Mpa at 28 days for ORTIGAS NORTH AND ORTIGAS SOUTH STATION - Updated quantity
22.	Pay item no. 900 (1)	Lean Concrete 17Mpa at 28 days for ORTIGAS SOUTH STATION ONLY - Updated quantity
MEPFS		
23.	FIREPROTECTION WORKS	BoQ Update on the description of Clean Gas Agent System; changed to Centralized IG-541 Clean Agent - Anticipated revision; based on CP102 and CP103 changelist
24.	FIREPROTECTION WORKS	BoQ Update on the description of Landing Valve in Fire Tunnel System - Updated based on latest plans
25.	PLUMBING WORKS	BoQ update on description of Electric Water Heater - Corrected based on latest schedule

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26.	PLUMBING WORKS	Allowance of 2nos. of Portable Pump in place of ESC and ELEV sump pit - Anticipated revision; based on CP102 and CP103 changelist
27.	PLUMBING WORKS	Deletion of check valve in the main water meter assemble; used NRV instead - Anticipated revision; based on CP102 and CP103 changelist
28.	PLUMBING WORKS	BoQ update on the quantity of basket strainer - Anticipated revision; based on CP102 and CP103 changelist
29.	PLUMBING WORKS	Additional drainage channels in entrances (200 and 300mm wide) - Updated based on latest plans
30.	MECHANICAL WORKS	AC insulation changed to closed cell rubberized insulation - Anticipated revision; based on CP102 and CP103 changelist
31.	MECHANICAL WORKS	Smoke exhaust insulation changed to Rockwool mineral; 50mm thick; 2.0hour fire rated; 96kg/cu,m - Anticipated revision; based on CP102 and CP103 changelist
32.	VERTICAL TRANSPORT	Escalator details updated - Updated based on latest details
33.	VERTICAL TRANSPORT	Elevator details updated - Updated based on latest details
34.	MECHANICAL WORKS	Update of plenum boxes quantity - Updated based on latest plans
35.	ELECTRICAL WORKS Pay Item No. 1118 (1t)	type C5; wall washer LED Lighting Fixture – Updated Quantity
36.	ELECTRICAL WORKS Pay Item No. 1120 (2b)	lighting points; locally controlled wall mounted– Updated Quantity
37.	ELECTRICAL WORKS Pay Item No. 1116 (1b)	lighting points; locally controlled wall mounted– Updated Quantity
38.	ELECTRICAL WORKS Pay Item No. 1123 (5d)	addressable duct smoke detector– Updated Quantity
39.	ELECTRICAL WORKS Pay Item No. 1123 (4c)	duct detector points– Updated Quantity

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40.	ELECTRICAL WORKS Pay Item No. 1123 (3c)	duct smoke detector points– Updated Quantity

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Technical Specifications. 2 :Architecture</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
41.	Coverpage Date	September 2020	February 2021
42.	C01.3.5.d.i.1 Mock-up 2 - Mock-up for Ortigas South Entrance-1	Page 49 (PDF) (1) Visual Mock-up. This mock-up shall have width and length equal to the actual entrance building; height shall be from the ground level to top of the roof. This mock-up shall include at least the structural frames , a set of roof and ceiling, a set of rain gutter and downspout, security shutter, stair, handrail, signage, stone walls, floor finishing, flood barrier , railings, handrails, lightning arresters and lighting fittings as assembled.	Page 49 (PDF) (Omission and addition of Mock-up description) (1) Visual Mock-up. This mock-up shall have the actual entrance building; height shall be from the ground level to top of the roof. This mock-up shall include at least, but not limited to, a set of roof and ceiling, skylight, a set of rain gutter and downspout, eaves and gutter with soffit panel, security shutter guard rail, stair, handrail, Station signage, stone walls with aluminum coping, interior floor and wall finishing, railings, handrails, floor tactile, lighting fittings as assembled, elevator landing door, stainless steel glass window and other opening or doors. Mock-up shall not include escalator and escalator handrail, elevator cabin, manual and automatic flood barriers.
43.	C01.3.5.d.i.2 Mock-up 2 - Mock-up for Ortigas South Entrance-1	Page 49 (PDF) • steel structure support including • Security shutter • Flood barrier	Page 49 (PDF) (Omission of Mock-up description)
44.	C01.3.5.d.ii.	Page 49 (PDF) (Updated of Mock-up description)	Page 49-50 (PDF) (Update of Mock-up description)

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No.	Reference	Original	Corrected, Supplemented or Modified
	Mock-up 3 - Mock-up for Ortigas North Entrance-1		(ii) Refer to Appendix 2, Mock-up 3 - Mock-up for Ortigas North Entrance - 2 (1) Visual Mock-up. This mock-up shall have the actual entrance building; height shall be from the ground level to top of the roof. This mock-up shall include at least, but not limited to, a set of roof and ceiling, skylight, a set of rain gutter and downspout, eaves and gutter with soffit panel, security shutter guard rail, stair, handrail, Station signage, stone walls with aluminum coping, interior floor and wall finishing, railings, handrails, floor tactile, lighting fittings as assembled, elevator landing door, stainless steel glass window and other opening or doors. Mock-up shall not include escalator and escalator handrail, elevator cabin, manual and automatic flood barriers. (2) Performance mock-ups shall be for the following: •A set of roof and ceiling with skylight and waterproofing between roof and wall •A set of rain gutter and downspout
45.	C01.3.5.d.iii.2 Mock-up 4 - Mock-up for Ortigas South Escalator at B1F Level	Page 49-50 (PDF) (2) This mock-up shall include columns, walls, floors, gallery walls, ceiling, doors, shutters , tactile, balustrade, glass partition , smoke curtain, supply and return air grills, and other required mechanical and electrical equipment, lighting fittings, signage, etc.	Page 50 (PDF) (Omission and addition of Mock-up description) (2) This mock-up shall include at least, but not limited to, columns, walls, floors and ceiling finishing, tactile, balustrade, smoke curtain, supply and return air grills, and other required mechanical and electrical equipment, lighting fittings, signage, etc. Mock-up shall not include escalator and escalator handrail.
46.	C01.3.5.d.iv.2 Mock-up 5 - Mock-up for Ortigas South Escalator at B3F Level	Page 50 (PDF) (2) This mock-up shall include columns, walls, floors, gallery walls, ceiling, doors, shutters , tactile, balustrade, glass partition, smoke curtain , supply and return air grills, and other required mechanical and electrical equipment, lighting fittings, signage, etc.	Page 50 (PDF) (Omission and addition of Mock-up description) (2) This mock-up shall include at least, but not limited to, columns, walls, floors, and ceiling finishing, tactile, balustrade, fire shutters and doors, supply and return air grills, and other required mechanical and electrical equipment, lighting fittings, signage, etc. Mock-up shall not include escalator and escalator handrail.
47.	C01.3.5.d.v.2 Mock-up 1 - Mock-up for Ortigas South Toilet and Ticket Office	Page 50 (2) The mock-up shall contain all architectural elements and a set of mechanical and electrical fittings including, but not limited to, water closet, lavatory-booth, washbasin counter, vanity mirror, faucet, and lighting fittings.	Page 50-51 (PDF) (Omission and addition of Mock-up description) (2) Toilet mock-ups shall include at least but not limited to wall, floor and ceiling finishing including stone linings. 1 x toilet lavatory booth with a set of watercloset system and flush panel, sensor and air extract louver at recessed ceiling corner. 1 x janitor booth with a set of cleaner's sink. 2 x urinals with flush panel, sensor and separator panel. 1 x full-scale unit of female lavatory space with washbasins counter, vanity mirror, faucet, lighting fittings and other

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No.	Reference	Original	Corrected, Supplemented or Modified
			<p>architectural elements and a set of mechanical and electrical fittings and floor drainage, etc.</p> <p>(3) Ticket Office mock-up shall include at least, but not limited to, a set of ticket counter including windows and fire shutter and millwork furniture. Wall, floor and ceiling finishing, other architectural elements and a set of mechanical and electrical fittings and floor drainage, etc.</p>
48.	C01.3.5.d.vi. Mock-up 6 - Mock-up for Ortigas South Elevator at B1F	<p>Page 50 (PDF) (Omission of Mock-up description) (vi) Ventilation Tower Louvers at Entrance 2.</p>	<p>Page 51 (PDF) (Omission of Mock-up description)</p>
49.	C01.3.5.d.vi. Mock-up 6 - Mock-up for Ortigas South Elevator at B1F	<p>Page 50 (PDF) Mock-up 2 - Mock-up for Ortigas South Entrance - 1</p>	<p>Page 52 (PDF) (Update of Mock-up description) Mock-up 6 - Mock-up for Ortigas South Elevator at B1F</p>
50.	C01.3.5.d.vi. Mock-up 6 - Mock-up for Ortigas South Elevator at B1F	<p>Page 50 (PDF) (1) A full-scale mock-up of a set of louvers</p>	<p>Page 51 (PDF) (Omission and addition of Mock-up description) (1) Refer to the Drawings for the minimum floor area, with the minimum height from the platform floor level to the bottom of the structural slab above. (2) This mock-up shall include at least, but not limited to, columns, walls, floors and ceiling finishing. Elevator shaft glass cladding and landing door including access panel or louver, fire curtain, tactile, structural steel frame and other required mechanical and electrical equipment, lighting fittings, signage, etc. Mock-up shall not include elevator cabin.</p>
51.	C01.3.5.d.viii. Basis of Payment	<p>Page 50 (PDF) (Additional Pay Item Description)</p>	<p>Page 51 (PDF) (Additional Pay Item Description) (viii) Basis of Payment. The quantity measured as prescribed in below shall be paid for at the contract unit price (BOQ) for full-scale mock-up, which price and payment shall be full compensation for the works under this section including furnishing and installation of all materials, labor, equipment, tools and</p>

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No.	Reference	Original	Corrected, Supplemented or Modified																					
			incidentals necessary to complete the work prescribed in this section in all respects, duly complying with the Contract documents including the Drawings. Payment shall be made under: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>C01.3.1</td> <td>Mock-up 1 - Mock-up for Ortigas South Toilet and Ticket Office</td> <td>Lump Sum</td> </tr> <tr> <td>C01.3.2</td> <td>Mock-up 2 - Mock-up for Ortigas South Entrance - 1</td> <td>Lump Sum</td> </tr> <tr> <td>C01.3.3</td> <td>Mock-up 3 - Mock-up for Ortigas North Entrance - 2</td> <td>Lump Sum</td> </tr> <tr> <td>C01.3.4</td> <td>Mock-up 4 - Mock-up for Ortigas South Escalator at B1F Level</td> <td>Lump Sum</td> </tr> <tr> <td>C01.3.5</td> <td>Mock-up 5 - Mock-up for Ortigas South Escalator at B3F Level</td> <td>Lump Sum</td> </tr> <tr> <td>C01.3.6</td> <td>Mock-up 6 - Mock-up for the Ortigas South Elevator at B1F Level</td> <td>Lump Sum</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	C01.3.1	Mock-up 1 - Mock-up for Ortigas South Toilet and Ticket Office	Lump Sum	C01.3.2	Mock-up 2 - Mock-up for Ortigas South Entrance - 1	Lump Sum	C01.3.3	Mock-up 3 - Mock-up for Ortigas North Entrance - 2	Lump Sum	C01.3.4	Mock-up 4 - Mock-up for Ortigas South Escalator at B1F Level	Lump Sum	C01.3.5	Mock-up 5 - Mock-up for Ortigas South Escalator at B3F Level	Lump Sum	C01.3.6	Mock-up 6 - Mock-up for the Ortigas South Elevator at B1F Level	Lump Sum
Pay Item Number	Description	Unit of Measurement																						
C01.3.1	Mock-up 1 - Mock-up for Ortigas South Toilet and Ticket Office	Lump Sum																						
C01.3.2	Mock-up 2 - Mock-up for Ortigas South Entrance - 1	Lump Sum																						
C01.3.3	Mock-up 3 - Mock-up for Ortigas North Entrance - 2	Lump Sum																						
C01.3.4	Mock-up 4 - Mock-up for Ortigas South Escalator at B1F Level	Lump Sum																						
C01.3.5	Mock-up 5 - Mock-up for Ortigas South Escalator at B3F Level	Lump Sum																						
C01.3.6	Mock-up 6 - Mock-up for the Ortigas South Elevator at B1F Level	Lump Sum																						
52.	C01.5.2.c.iv Completion Management Plan	Page 60 (PDF) Contractor's Maintenance Plan	Page 61 (PDF) (Description omitted)																					
53.	C01.5.5.d Spare/ Architectural Spare Materials Management Plan	Page 65 (PDF) Supply of Spare Parts, Special Tools, Test Equipment and Consumable of the	Page 67 (PDF) (Revised description) Spare and Consumables																					
54.	C01.5.5.d Spare/ Architectural Spare	Page 66 (PDF) (Additional Pay Item Description)	Page 67(PDF) (Additional Pay Item Description) (i) Basis of Payment. The quantity measured as prescribed in below shall be paid for at the contract unit price (BOQ) for architectural spare materials, which																					

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Technical Specifications. 2 :Architecture</i>									
No.	Reference	Original	Corrected, Supplemented or Modified						
	Materials Management Plan		price and payment shall be full compensation for the works under this section including furnishing and installation of all materials, labor, equipment, tools and incidentals necessary to complete the work prescribed in this section in all respects, duly complying with the Contract documents including the Drawings. Payment shall be made under: <table border="1" data-bbox="1308 405 1944 507"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>C01.5.1</td> <td>Architectural Spare Materials</td> <td>Lump Sum</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	C01.5.1	Architectural Spare Materials	Lump Sum
Pay Item Number	Description	Unit of Measurement							
C01.5.1	Architectural Spare Materials	Lump Sum							
55.	904.4.2 Pay Item Description	Page 151 (PDF) Structural Lightweight Concrete	Page 152 (PDF) (Additional Pay Item Description) (to be integrated in the unit of respective TS 1021 (4) a Straight to Finish - Lightweight Concrete with Trench)						
56.	1004.3.7 Hardware Sets	Page 199 - 200 (PDF) Type 1 4 x hinges 1 x door closer 2 x lever handles (with SUS plates) 2 x kick plates (SUS) Type 1a Hinges Lever handles with SUS plates Type 2 8 x hinges 1x Door closer Latch/lock 2 x lever handles (with SUS plates) Combination plate Push plate (SUS)	Page 200 -201 (PDF) (Updated Hardware Sets) Type 1 4 x Hinges 1 x Door Closer 2 x Lever handles with SUS plates 2 x Kick plates (SUS) Type 1a 4 x Hinges 2 x Lever handles with SUS plates Type 2 8 x Hinges 1 x Door Closer 1 x Latch/lock 2 x Lever handles with SUS plates 2 x Top flush bolts 2 x Combination plate						

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Technical Specifications. 2 :Architecture</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
		Kick plate (SUS) Type 3 8 x hinges 2 x door closers 1 x lock/latch 2 x lever handles (with SUS plates) 2 x flush bolts Combination plate Push plates (SUS) 2 x kick plates (SUS) Type 4 4 x hinges Panic exit device/Push plate Door closer Latch/lock OS/Key operation Kick plates (SUS) Type 4a Ws 3 Hinges Panic exit device/ Push plate Door closer Latch/Lock/ OS/Key Operation Kick plates (SUS)	2 x Push plate (SUS) 2 x Kick plate (SUS) Type 3 8 x Hinges 2 x Door Closers 1 x Lock/latch 2 x Lever handles with SUS plates 2 x Top flush bolts 2 x Combination plate 2 x Push plates (SUS) 2 x Kick plates (SUS) Type 4 8 x Hinges 1 x Panic exit device/push plate 2 x Door closer 1 x Latch/lock 1 x OS/Key operation 2 x Kick plates (SUS) Type 4a 8 x Hinges 1 x Panic exit device/ Push plate 2 x Door closer 1 x Latch/Lock/ 1 x OS/Key Operation 2 x Kick plates (SUS)
		Type 5	Type 5

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Technical Specifications. 2 :Architecture</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
		4 x hinges Panic exit device/Push plate Door closer 1 x latch/Lock OS/Key Operation Kick plates (SUS) Type 6 8 x SUS Top rail hinge Handles (SUS) SUS bottom rail hinge with lockset Type 7 SUS Top rail hinge Handles (SUS) SUS Bottom rail hinge with lockset Type 8 Handles (SUS) 1 x Door guide with sliding track cover, rubber strip for silencer Floor hinge Kick plates (SUS) Type 9 Hinges Latch/Lock Lever handles with SUS plates Type 10 Ws-6	4 x Hinges 1 x Panic exit device/Push plate 1 x Door closer 1 x Latch/Lock 1 x OS/Key Operation 2 x Kick plates (SUS) Type 6 1 x SUS Top rail hinge 2 x Handles (SUS) 1 x SUS bottom rail hinge Type 7 1 x SUS Top rail hinge 2 x Handles (SUS) 1 x SUS Bottom rail hinge with lockset Type 8 1 x Handles (SUS) 1 x Door guide with sliding track cover, rubber strip for silencer 1 x Floor hinge 1 x Kick plates (SUS) Type 9 8 x Hinges 1 x Latch/Lock 4 x Lever handles with SUS plates Type 10 1 x Water stop lever handle

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No.	Reference	Original	Corrected, Supplemented or Modified
		Water stop lever handle Two axes hinge Waterproof type Gremon lock Type 11 Hinges Lever handles Latch/Lock Top & bottom roller Top& bottom pivot	4 x Two axes hinge 1 x Waterproof type Gremon lock Type 11 8 x Hinges 2 x Lever handles 1 x Latch/Lock 1 x Top & bottom roller 1 x Top& bottom pivot
57.	1018.2.2.4 Design Criteria	Page 297 (PDF) (Additional information)	Page 300 (PDF) 4) Tactile Tile: Provide for visually impaired and handicapped persons at both ends of the platform, to be decided in consultation with 106 Contractor, Employer and the Authorities Having Jurisdiction.
58.	1031.1..1.1 Section Includes	Page 386 (PDF) (Additional Product)	Page 388 (PDF) (Additional Product) b) Noise Barrier Panel
59.	1031.1.5 Codes and Standards	Page 387 (PDF) (Additional Codes and Standards)	Page 389 - 390 (PDF) (Additional Codes and Standards) ASTM E90 Standard Recommended Practice for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions. ASTM C423 Standard Method of Test for Sound Absorption of Acoustic Materials in Reverberant Rooms STC 40 Good Blocking Full Height Walls NRC 1.0 100% of the sound is being absorbed by the acoustic product, and no sound is being reflected into the room. Type G90A coating thickness equivalent to 0.45 oz/ft2 or about 0.76 mils per side
60.	1031.2.1 Product Selections	Page 388(PDF)	Page 390 (PDF) (Additional Product Selection) 2) Noise Barrier Panel

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No.	Reference	Original	Corrected, Supplemented or Modified
			a) Description: Acoustical metal panels including attachments and accessories, as required to complete the assembly. b) Manufacturer: As approved by the Engineer. c) Size, profile and configurations: As indicated in the Drawings. d) Methods of connection and fixings: As indicated in the Drawings.
61.	1031.2.2 Performance Requirements	Page 388 (PDF) 2) Acoustical Performance: Derived from tests conducted according to ASTM C 423 on a Type D5 mounting by a National Voluntary Accreditation Program (NVLAP) accredited laboratory a) 27 mm Thickness Noise Reduction Coefficient (NRC) - 0.75. b) 52.4 mm Thickness NRC - 0.95 3) Fire Performance: Each component shall have been tested according to ASTM E 84 and has a Class I/A rating.	Page 391(PDF) (Updated Numbering) 1) Glass Wool Acoustic Panel a) Acoustical Performance: Derived from tests conducted according to ASTM C 423 on a Type D5 mounting by a National Voluntary Accreditation Program (NVLAP) accredited laboratory (i) 27 mm Thickness Noise Reduction Coefficient (NRC) - 0.75. (ii) 52.4 mm Thickness NRC - 0.95 b) Fire Performance: Each component shall have been tested according to ASTM E 84 and has a Class I/A rating.
62.	1031.2.2 Performance Requirements	Page 388 (PDF)	Page 391-392 (PDF) (Additional Information) 2. Noise Barrier Panel a) Acoustical Performance (i) The manufacturer shall provide certified independent test data indicating sound absorption and transmission loss characteristics of the panel assembly. Test data must be obtained through independent tests conducted in a NVLAP accredited laboratory in accordance with ASTM E90, Standard Recommended Practice for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and ASTM C423, Standard Method of Test for Sound Absorption of Acoustic Materials in Reverberant Rooms. (ii) Panels shall exhibit a minimum STC 40 and NRC 1.0 b) Structural Performance (i) Any special external panel loading conditions including wind, and equipment shall be provided for as per specifications. Panel manufacturer shall provide and note on the submittal drawings the reaction forces at each column base plate, due to the site loading conditions.

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			<p>(ii) The structural members shall be designed as a field bolt-together system. All holes in column webs, backer angles and base plates shall be factory drilled. All nuts, bolts and washers to be supplied by barrier panel manufacturer. Field welding of structural components is not permitted.</p> <p>(iii) The barrier panel manufacturer shall provide a copy of all structural calculations with barrier panel submittal drawings to be used by the engineer of record in designing the foundation and foundation anchors.</p> <p>(iv) Columns and base plates shall be supplied as factory-welded assemblies by the barrier panel manufacturer.</p> <p>(v) Under the indicated loading conditions, the entire barrier panel system shall be self-supporting and/or will be supported as per the specifications. The installer shall erect all structural members in strict accordance with the manufacturer's piece-marked installation drawings and details.</p> <p>(vi) Under the above loading conditions, the assembled acoustical structure shall not exhibit any panel joint deflection in excess of L/360, where L is the unsupported span length of any panel section in the erected structure.</p>
63.	1031.2.3 Materials	<p>Page 388</p> <p>1) Glass fiber board with a resilient co-polymer face sheet.</p> <p>2) Panels shall be constructed of high-density glass wool with resin hardened edges.</p> <p>3) Mounting: Standard wall mountings include spot adhesive with optional impaling clips, Z-clip, hook & loop, and magnetic fasteners. Wall bar to wall bar is recommended for ceiling mounting.</p>	<p>Page 392</p> <p>(Updated Numbering)</p> <p>1) Glass Wool Acoustic Panel</p> <p>a) Glass fiber board with a resilient co-polymer face sheet.</p> <p>b) Panels shall be constructed of high-density glass wool with resin hardened edges.</p> <p>c) Mounting: Standard wall mountings include spot adhesive with optional impaling clips, Z-clip, hook & loop, and magnetic fasteners. Wall bar to wall bar is recommended for ceiling mounting.</p>
64.	1031.2.3 Materials	<p>Page 388 PDF</p>	<p>Page 391 - 392 (PDF)</p> <p>(Additional Information)</p> <p>2) Noise Barrier Panel</p> <p>a) Acoustic Metal Panel</p> <p>(i) All noise barrier panels and their components shall be factory fabricated, sectional, and all metal-clad modular designed for easy and accurate field assembly. The panels and components shall not be susceptible to damage due to extended exposure to vibration, air temperature or humidity with the passage of time.</p>

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Technical Specifications. 2 :Architecture</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
			<p>b) Panel Construction</p> <p>(i) All panels shall be at least 12.7mm thick, or as noted on drawings, with a solid exterior shell and a perforated/solid interior shell; all material to be galvanized steel, minimum Type G90, or galvalume, if painted.</p> <p>(ii) The panel shells, framing members, and internal reinforcements shall be spot welded together to form a metal-sheathed panel of sufficient strength for maximum operating loads specified in the structural performance section of these specifications.</p> <p>(iii) The outer galvanized steel shell thickness shall be at least 16 ga. minimum and the inner galvanized steel shell shall be at least 22-gauge minimum thickness.</p> <p>(iv) Where perforated materials are indicated, all perforations shall be at least minimum 2mm dia. holes on 5mm staggered centers and shall result in an open area of no less than 23 percent.</p> <p>(v) All panel internal reinforcing members shall be at least minimum 18 ga. galvanized steel, type G90.</p> <p>(vi) Each panel shall be filled with sound absorbing materials that are inert, mildew-resistant, vermin proof, and incombustible and inherently suitable for wet/dry, freeze/thaw cycles. Use of a moisture barrier is not permitted.</p> <p>c) Panel Components</p> <p>(i) All accessory trim items shall be at least 18 gauge minimum galvanized steel, type G90 and shall be furnished in factory standard lengths to be field cut to specified dimensions. Location and quantity of sheet metal screws and trim requirements shall be in accordance with the barrier panel manufacturer's installation details.</p> <p>(ii) All external panel connections, trim items, accessories, panel interfaces and other sections as noted on the drawings shall be sealed with an acoustical sealant that shall not harden and prevent disassembly in the future.</p> <p>d) Accessory Items</p> <p>(i) Provide acoustic metal doors filled with sound absorbing materials that are inert, mildew-resistant, vermin proof, and incombustible and inherently suitable for wet/dry, freeze/thaw cycles. Accessory components shall be provided in accordance with drawings.</p>
65.	1021.4.2 Pay Item	Page 390 (PDF) (Additional Pay Item)	Page 395 (PDF) (Additional Pay Item)

Volume II Part 2: Works Requirements Section VI Works Requirements Technical Specifications. 2 :Architecture					
No.	Reference	Original	Corrected, Supplemented or Modified		
			Pay Item Number	Description	Unit of Measurement
			1031 (1) d	Noise Barrier Panel	Square Meter
66.	1034.4.2 Pay Item	Page 424 (PDF) Damp proofing	Page 429 (PDF) (Additional Pay Item Description) (to be integrated in the unit of respective TS 900 Reinforced Concrete)		
67.	1041.2.1.2.d 1041.2.1.3.d Product Selection	Page 463 (PDF) d) Floor and Ceiling Channels: 0.55 mm thick minimum, 72 mm wide minimum and having two flanges of 30 mm minimum each.	Page 468 (PDF) (Revised material description) d) Floor and Ceiling U-Tracks: 76 x 50 mm Steel U-Track, GA 25		
68.	1041.2.1.2.e 1041.2.1.3.e Product Selection	Page 463 (PDF) 0.55 mm thick, 70 mm wide having one flange of 34 mm another of 36 mm.	Page 468 (PDF) (Revised material description) 0.80 mm thick, 76 mm wide having one flange of 40 mm.		
69.	1046.2.1.4 Product Selection	Page 482 (PDF) BLK-04	Page 487 (PDF) (Revised material description) BLK-03		
70.	1803.2.1 Product Selection	Page 555 (PDF)	Page 560 (PDF) (Additional Product Description) 3) Stainless Steel Plate a) Description: Stainless steel plate including attachments and accessories, as required to complete the assembly. b) Manufacturer: As approved by the Engineer. c) Size, profile and configurations: As indicated in the Drawings. d) Methods of connection and fixings: As indicated in the Drawings.		
71.	1803.4.2 Basis of Payment	Page 564 (PDF)	Page 570 (PDF) (Additional Pay Item) 1803 (3) b Stainless Steel Plate		
72.	1813.3.3 Installation	Page – 652 (PDF)	Page – 659 (PDF) (Additional Information)		

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No.	Reference	Original	Corrected, Supplemented or Modified
			2) The Contractor shall be responsible to ensure the reinforcement, strength and safety of the hanging material and anchor of the signage.
73.	1818.2.1.2 Product Selection Glass Door	Page 707 (PDF) 12	Page 714 (PDF) (Revised material description) 16
74.	802.4.1 Pay Item	Page 75 (PDF) Unsuitable Excavation Surplus Unclassified Excavation	Page 76 (PDF) (Updates on Pay Item Description) Unsuitable Excavation (Not Used) Surplus Unclassified Excavation (Not Used)
75.	1002.2.1.3 Water Closet	Page 165 (PDF) a) Description: Vitreous china water closet of wall mounted , water efficient flush valve type. c) Base Product: CWN580ME5 d) (Additional Description)	Page 166 (PDF) (Update Product description) a) Description: Vitreous china wall hung water closet with c) Base Product: CW762FVB d) Wall-embedded Holder: WH004 or approved equal or better
76.	1002.2.1.4 Water Closet Flush Panel	Page 165 (PDF) a) Description: Dual flush, Push button. Flush Panel c) MB007D	Page 166 (PDF) (Update Product description) a) Description: In-wall sensor flush valve (DC) c) DCE602U
77.	1002.6.1.4.b.i 1002.6.1.4.b.ii 1002.6.1.4.b.iii Shower Accessories	Page 175 (PDF) 40 mm dia	Page 176 (PDF) (Update of description) 32mm dia
78.	1002.8.2 Pay Item Description	Page 180 (PDF) 40mm dia	Page 181 (PDF) (Update of description) 32mm dia
79.	1012.4.2 Pay Item	Page 265 (PDF)	Page 266 (PDF) (Additional Pay Item Description)

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No.	Reference	Original	Corrected, Supplemented or Modified						
		1012 (5) d Tempered Glass – 18mm	(to be integrated in the unit of respective TS 1817 Stainless Steel Windows)						
80.	1017.2.1 Product Selection	Page 290 (PDF)	<p>Page 291 (PDF) (Additional Product Description) 2) Aluminum Bandless Gutter a) Gutter: Seamless aluminum gutter formed using passive cold roll forming machine. b) Size and Profile: As indicated in the Drawings. c) Fixing Brackets: Extruded mill finish aluminum secured with stainless steel fixings. d) Gutter Cover: 2 mm thk stainless steel sheet, GA 304 e) Outlets/Leaftraps: Low density polyethylene. f) Locking Corners: Two-part fittings with two fixing screws.</p>						
81.	1017.4.2 Pay Item	Page 291 (PDF)	<p>Page 293 (PDF) (Additional Pay Item)</p> <table border="1"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>1017 (1) b</td> <td>Aluminum Bandless Gutter</td> <td>Set</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	1017 (1) b	Aluminum Bandless Gutter	Set
Pay Item Number	Description	Unit of Measurement							
1017 (1) b	Aluminum Bandless Gutter	Set							
82.	1811.2.1 Product Selection	Page 622 (PDF)	<p>Page 628 (PDF) (Additional Product Selection) 11) Stainless Steel plate and Corner Trim a) Description: Stainless steel plate including all necessary fastenings, trims and other accessories to complete the installation. b) Size: As indicated on the Drawings. c) Suspension Systems: Provide ceiling manufacturer's standard suspension system. d) Corner Trim: Manufacturer's standard stainless steel corner trim for exposed members, and as indicated or required, for edges and penetrations of ceiling, around fixtures, at changes in ceiling height.</p>						
83.	1811.4.2 Pay Item	Page 631 (PDF)	<p>Page 637 (PDF) (Additional Pay Item)</p>						

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No.	Reference	Original	Corrected, Supplemented or Modified						
			<table border="1"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>1811 (11)</td> <td>Stainless Steel Plate and Corner Trim</td> <td>Square Meter</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	1811 (11)	Stainless Steel Plate and Corner Trim	Square Meter
Pay Item Number	Description	Unit of Measurement							
1811 (11)	Stainless Steel Plate and Corner Trim	Square Meter							
84.	1813.2.1 Product Selection	Page 649 (PDF)	<p>Page 655-656 (PDF) (Additional Product Selection)</p> <p>10) Braille Display Board</p> <p>a) Numbers, letters and Braille to be raised 0.8 mm from the background surface. The draft of the letters, numbers and braille to be tapered, vertical and clean.</p> <p>b) Braille Dots: Conform with ANSI A117.1</p> <p>c) Braille position and layout:</p> <p>(i) Dot base diameter: 1.5 mm</p> <p>(ii) Inter-dot spacing: 2.3 mm</p> <p>(iii) Horizontal separation between cells: 6.0 mm</p> <p>(iv) Vertical separation between cells: 10.0 mm.</p> <p>d) Display Board: Acrylic Mat Board with UV Printing/ UF Braille processing.</p> <p>e) Support and Frame: Stainless Steel Hairline Finish.</p> <p>f) Size and Profile: As indicated in the Drawings.</p> <p>11) Toilet Information Board</p> <p>a) Numbers, letters and Braille to be raised 0.8 mm from the background surface. The draft of the letters, numbers and braille to be tapered, vertical and clean.</p> <p>b) Braille Dots: Conform with ANSI A117.1</p> <p>c) Braille position and layout:</p> <p>(i) Dot base diameter: 1.5 mm</p> <p>(ii) Inter-dot spacing: 2.3 mm</p> <p>(iii) Horizontal separation between cells: 6.0 mm</p> <p>(iv) Vertical separation between cells: 10.0 mm.</p> <p>d) Display Board: Acrylic Mat Board with UV Printing/ UF Braille processing.</p> <p>e) Backing: Aluminum composite plate</p>						

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Technical Specifications. 2 :Architecture</i>												
No.	Reference	Original	Corrected, Supplemented or Modified									
			f) Frame: Aluminum shape alumite finish g) Corner Frame : Color painted resin molded product h) Base: Steel composite plate i) Size and Profile: As indicated in the Drawings.									
85.	1813.4.2 Pay Item	Page 653 (PDF)	Page 660 (PDF) (Additional Pay Item) <table border="1"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>1813 (9)</td> <td>Braille Display Board</td> <td>Lump Sum</td> </tr> <tr> <td>1813 (10)</td> <td>Toilet Information Board</td> <td>Lump Sum</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	1813 (9)	Braille Display Board	Lump Sum	1813 (10)	Toilet Information Board	Lump Sum
Pay Item Number	Description	Unit of Measurement										
1813 (9)	Braille Display Board	Lump Sum										
1813 (10)	Toilet Information Board	Lump Sum										
86.	1803.2.1 Product Selection	Page 555(PDF)	Page 560 (PDF) (Additional Product Selection) 5) Aluminum Corner Trim a) Description: Aluminum corner trim assembly for stair step nosing including attachments and accessories, as required to complete the assembly. b) Manufacturer: As approved by the Engineer. c) Size, profile, and configurations: As indicated in the Drawings. d) Methods of connection and fixings: As indicated in the Drawings.									
87.	1803.4.2 Pay Item	Page 564 (PDF)	Page 570 (PDF) (Additional Pay Item) <table border="1"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>1803 (3) c</td> <td>Aluminum Corner Trim</td> <td>Linear Meter</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	1803 (3) c	Aluminum Corner Trim	Linear Meter			
Pay Item Number	Description	Unit of Measurement										
1803 (3) c	Aluminum Corner Trim	Linear Meter										
88.	1002.6.1.6.e 1002.6.1.6.f Product Selection	Page 176 (PDF) e) Alarm rest button f) Alarm pull chord	Page 177 (PDF) (Deleted information)									
89.	1002.8.2 Pay Item	Page 180 (PDF)	Page 181 (PDF) (Deleted information)									

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No.	Reference	Original			Corrected, Supplemented or Modified
		Pay Item Number	Description	Unit of Measurement	
		1002 (28) h2	Alarm Reset Button	Set	
		1002 (28) h3	Alarm Pull Chord (2 Bangles)	Set	
90.	1016.2.1.2.b 1016.2.1.3.b Product Selection	Page 275-276 (PDF) 2.b) 2.0 mm 3.b) 5.0 mm			Page 275-276 (PDF) (Update Information) 2.b) 8.0 mm 3.b) 2.0 mm
91.	1031.1 General	Page 386 (PDF)			Page 388 (PDF) (Additional Product) and noise barrier panels
92.	1031.1.2.1 Post-Contract Submittals	Page 386 (PDF) acoustical system			Page 388 (PDF) (Additional information) acoustical treatment systems
93.	1031.1.2.2 Post-Contract Submittals	Page 386 (PDF) deliver to Engineer			Page 388 (PDF) (Additional information) deliver to the Engineer
94.	1031.1.2.2 Post-Contract Submittals	Page 386 (PDF) acoustic panels stating			Page 388 (PDF) (Additional information) acoustic panels or the noise barrier panels stating
95.	1031.1.2.2 Post-Contract Submittals	Page 386 (PDF) that the acoustic panels			Page 388 (PDF) (Deleted information) that the panels
96.	1031.1.2.5 Post-Contract Submittals	Page 386 (PDF) 450 square mm representing			Page 388 (PDF) (Additional information) 450 square mm, whichever is larger, representing
97.	1031.1.8 Warranty	Page 388 (PDF) replace glass wool panel system			Page 390 (PDF) (Deleted information) replace the panel systems

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No.	Reference	Original	Corrected, Supplemented or Modified
98.	1031.3.2.1 Preparation	Page 389 (PDF) room are received	Page 393 (PDF) (Additional information) room or area are received
99.	1031.3.2.2 Preparation	Page 389 (PDF) Field-cut acoustical panels	Page 393 (PDF) (Deleted information) Field-cut panels
100.	1031.3.3.1.a Installation	Page 389 (PDF)	Page 393 (PDF) (Additional information) a) The panels manufacturer shall provide complete piece marked installation drawings corresponding to all factory piece-marked panel components.
101.	1031.3.3.1.b Installation	Page 389 (PDF) b) Install acoustical wall panels	Page 394 (PDF) (Deleted information) b) Install panels
102.	1031.3.3.1.c Installation	Page 389 (PDF) c) Acoustical wall panels	Page 394 (PDF) (Deleted information) c) Panels
103.	1031.3.4 Site quality Control	Page 390 (PDF)	Page 395 (PDF) (Additional Information) 4)Testing and Inspection a)Engage a qualified independent testing and inspecting agency to perform Site tests and inspections. b)Testing Services: Testing and inspecting of representative areas to determine compliance of installed systems with specified requirements shall take place as follows and in successive phases as indicated in the Drawings. Do not proceed with installation of the next area until test results for previously completed areas show compliance with requirements. 5)Test Results and Certificates a)Tests and inspection results shall be submitted to the Engineer immediately they are available.

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No.	Reference	Original	Corrected, Supplemented or Modified									
			b)Submit certificates relating to the materials and systems used in the work as confirmation of tests carried out in accordance with the relevant UL, NFPA, ANSI or ASTM Standards.									
104.	1031.4.1 Method of Measurement	Page 390 (PDF) All acoustic panels shall be measured	Page 395 (PDF) (Additional information) All glass wool acoustic panels and noise barrier panels shall be measured									
105.	1031.4.2 Basis of Payment	Page 390 (PDF) Unit price (BOQ) for acoustic panel	Page 395 (PDF) (Deleted information) Unit price (BOQ) for panels									
106.	1805.4.2 Pay Item	Page 579 (PDF) <table border="1" data-bbox="479 675 1128 868"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>1805 (1) a2</td> <td>Stainless Steel Floor Grating – High Voltage Trench</td> <td>Linear Meter</td> </tr> <tr> <td>1805 (1) a3</td> <td>Stainless Steel Floor Grating – Low Voltage Trench</td> <td>Linear Meter</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	1805 (1) a2	Stainless Steel Floor Grating – High Voltage Trench	Linear Meter	1805 (1) a3	Stainless Steel Floor Grating – Low Voltage Trench	Linear Meter	Page 585 (PDF) (Omission of Pay Item)
Pay Item Number	Description	Unit of Measurement										
1805 (1) a2	Stainless Steel Floor Grating – High Voltage Trench	Linear Meter										
1805 (1) a3	Stainless Steel Floor Grating – Low Voltage Trench	Linear Meter										
107.	1814.2.1.2.b Floor Access Hatch/Panel – Precast Concrete Block 2-hr Fire Rates	Page 658 (PDF) b) Hatch: 200 mm nominal thick precast concrete block panel with anti-dust paint.	Page 665 (PDF) (Additional product description) b) Hatch: Fabricate from 12 mm nominal thick galvanized sheet steel and 200 mm nominal thick precast concrete block panel with anti-dust paint.									
108.	1814.2.1.3.b Wall Access Hatch/Panel – Standard Fire Rated	Page 658 (PDF) 1.2 mm	Page 665 (PDF) (Revised product description) 12 mm									
109.	1814.2.1.4.b Roof Access Hatch/Panel –	Page 659 (PDF) 1.2 mm	Page 667 (PDF) (Revised product description) 12 mm									

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No.	Reference	Original	Corrected, Supplemented or Modified						
	Standard Fire Rated								
110.	1004.3.3.12 Stops	Page 197 (PDF) overhead holders	Page 198 (PDF) (Revised product description) overhead door stop						
111.	1004.2.4.17 Thresholds	Page 192 (PDF) in aluminum at	Page 193 (PDF) (Revised product description) in stainless steel at						
112.	1012.2.1.1.e GL-05	Page 251 (PDF) 2.25m	Page 252 (PDF) (Revised product description) 3.20m						
113.	1018.6.2.2 Granite Wall Tile- Wet Cladding	Page 318 (PDF) Wet Cladding	Page 320 (PDF) (Revised product description) Dry Cladding						
114.	1004.4.2 Pay Item	Page 202 (PDF) (Additional Pay Item Description)	Page 203 (PDF) (Additional Pay Item Description) <table border="1" data-bbox="1308 919 1955 1046"> <thead> <tr> <th>Pay Item Number</th> <th>Description</th> <th>Unit of Measurement</th> </tr> </thead> <tbody> <tr> <td>1004 (2) n</td> <td>Finishing Hardware Door Stops</td> <td>Set</td> </tr> </tbody> </table>	Pay Item Number	Description	Unit of Measurement	1004 (2) n	Finishing Hardware Door Stops	Set
Pay Item Number	Description	Unit of Measurement							
1004 (2) n	Finishing Hardware Door Stops	Set							

Volume II Part 2: Works Requirements Section VI Works Requirements Employer's Drawings 14,15_Arch_ON,OS			
No.	Reference	Original	Corrected, Supplemented or Modified
115.	STN-AR-A-ON/OS -0500	Material description for GL-05 and GL-07	Material description for GL-05 is updated as "12mm thick toughened glass with design film" and GL-07 as "12mm thick back painted tempered glass with 150mm high stainless-steel bottom skirting"
116.	STN-AR-A-ON-7006 to 7014.	Door stops not included in ironmongery sets	Note for doorstops is added in ironmongery sets.

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Employer's Drawings 14,15_Arch_ON,OS</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
	STN-AR-A-OS - 7007 to 7015		
117.	STN-AR-A- ON/OS -9060	Aluminum panel description in Detail-C	Material tag in Detail-C is updated as "Aluminum composite panel"
118.	STN-AR-A- ON/OS -9250	Material description of GL-05	Section-A updated and material description of GL-05 is updated as "12mm thick toughened glass with design film".
119.	STN-AR-A- ON/OS -9501	Toilet Cubicle partition	Elevation-C updated with correction tag.
120.	STN-AR-A- ON/OS -9670	Elevator typical detail.	Note regarding intumescent coating is added as "All structural steel members shall be applied with 2-hour fire rated intumescent coating".
121.	STN-AR-A- ON/OS -9671	Elevator typical detail.	Note regarding intumescent coating is added as "All structural steel members shall be applied with 2-hour fire rated intumescent coating".
122.	STN-AR-A-ON- 8500 to 8513. STN-AR-A-OS - 8500 to 8513	Evacuation Direction sign indicator plan	Evacuation Direction sign indicator plan modified and updated.
123.	STN-AR-A-ON- 1021 to 1711.	Station box top slab thickness as per previous civil drawing.	Updated top slab thickness as per latest civil drawing.
124.	STN-AR-A- ON/OS-9191 & 9192.	MEP light fixing and entrance staircase gutter detail	MEP light fixing and entrance staircase gutter detail updated.
125.	STN-AR-A- ON/OS-9110	Fire shutter at concourse level detail.	Column detail of fire shutter at concourse level updated to indicated isolation joint with D-wall.

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No.	Reference	Original	Corrected, Supplemented or Modified
126.	STN-MEP-ELL-ON-1001-6. STN-MEP-ELL-ON-1002-6.	Drawing List	Drawing List updated due to changes in revision
127.	STN-MEP-ELL-ON-2001-5.	Cable type Updated	Scope demarcation updated
128.	STN-MEP-ELL-ON-2011-6.	Scope Demarcation	Scope demarcation updated
129.	STN-MEP-ELL-ON-2008-5.	DB Schedule	ON-GL-ELDB-02 DB Schedule updated.
130.	STN-MEP-ELL-ON-3114-5.	Lighting Circuit	Lighting Circuit updated
131.	STN-MEP-VAC-ON-3821-5. STN-MEP-VAC-ON-3822-5. STN-MEP-VAC-ON-3824-5. STN-MEP-VAC-ON-3825-5.	Escalator	Escalator Rise updated
132.	STN-MEP-ELV-ON-0021-5	Drawing List	Drawing List updated due to changes in revision
133.	STN-MEP-ELV-ON-2044-5, 2047-5, 2048-5 STN-MEP-ELV-ON-3630-5, 3631-5,3632-5, 3633-5, 3634- 5, 3635-5, 3636-5. STN-MEP-ELV-ON-3640-5, 3641-5,3642-5, 3643-5, 3644- 5, 3645-5, 3646-5. STN-MEP-ELV-ON-3650-5, 3651-5,3652-5, 3653-5, 3654- 5, 3655-5, 3656-5. STN-MEP-ELV-ON-3660-5, 3661-5,3662-5, 3663-5, 3664- 5, 3665-5, 3666-5.	Schematics & Station Layout	Scope demarcation note has been Modified.

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Employer's Drawings 18_MEP_ON</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
	STN-MEP-ELV-ON-3670-5, 3671-5,3672-5, 3673-5, 3674-5, 3675-5, 3676-5. STN-MEP-ELV-ON-3680-5, 3681-5,3682-5, 3683-5, 3684-5, 3685-5, 3686-5.		
134.	STN-MEP-ELL-ON-2101-5, 2102-5, 2103-5, 2104-5. STN-MEP-ELL-ON-3910-5, 3911-5, 3916-5 STN-MEP-ELL-ON-3920-5, 3922-5, 3925-5	Duct Smoke Detector	Duct Smoke Detectors added near AHU's.
135.	STN-MEP-PLD-ON-5101-4	Equipment schedule	MODIFIED , equipment schedule updated with instantaneous water heater

<i>Volume II Part 2: Works Requirements Section VI Works Requirements Employer's Drawings 19_MEP_OS</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
136.	STN-MEP-ELL-OS-1001-6. STN-MEP-ELL-OS-1002-6.	Drawing List	Drawing List updated due to changes in revision
137.	STN-MEP-ELL-OS-2001-5.	Cable type Updated	Cable are changes from XHHW to SLPE and Scope demarcation updated
138.	STN-MEP-ELL-OS-2011-5.	Scope Demarcation	Scope demarcation updated.
139.	STN-MEP-ELL-OS-2032-5.	DB Schedule	OS-PL-PDB-02 DB Schedule updated.
140.	STN-MEP-VAC-OS-3827-5.	Escalator	Escalator Rise updated

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<i>Volume II Part 2: Works Requirements Section VI Works Requirements Employer's Drawings 19 MEP_OS</i>			
No.	Reference	Original	Corrected, Supplemented or Modified
	STN-MEP-VAC-OS-3828-5		
141.	STN-MEP-ELV-OS-0021-5	Drawing List	Drawing List updated due to changes in revision
142.	STN-MEP-ELV-ON-2044-5, 2047-5, 2048-5 STN-MEP-ELV-OS-3630-5, 3631-5,3632-5, 3633-5, 3634-5, 3635-5. STN-MEP-ELV-OS-3640-5, 3641-5,3642-5, 3643-5, 3644-5, 3645-5. STN-MEP-ELV-OS-3650-5, 3651-5,3652-5, 3653-5, 3654-5. STN-MEP-ELV-OS-3660-5, 3661-5,3662-5, 3663-5, 3664-5, 3665-5. STN-MEP-ELV-OS-3670-5, 3671-5,3672-5, 3673-5, 3674-5, 3675-5. STN-MEP-ELV-OS-3680-5, 3681-5,3682-5, 3683-5, 3684-5.	Schematics & Station Layout	Scope demarcation note has been Modified.
143.	STN-MEP-ELL-OS-2101-5, 2102-5, 2103-5, 2104-5 STN-MEP-ELL-OS-3910-5, 3915-5 STN-MEP-ELL-OS-3920-5, 3921-5, 3923-5	Duct Smoke Detectors	Duct Smoke Detectors added near AHU's.
144.	STN-MEP-PLD-OS-5101-4	Equipment schedule	MODIFIED , equipment schedule updated with instantaneous water heater