



Senarai Pembekal Sistem Kekuda Bumbung JKR Malaysia

1. Timber Truss

No.	Name and Address of System Provider	Material Properties	Type of Bracings	Connector System	Protective Coating for Metal Connectors	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
1	KPMY ROOF BUILDER SDN BHD D-987, Bukit Kubang Jambu, Jalan Kelantan, 20050 Kuala Terengganu Tel : 09 – 631 3157 Fax: 09 – 624 2157 Nama P.E.: Ir. Rozaidi Bin Ramli (11587)	Hardwood Timber Strength Group SG1-SG4	Timber brace (Hardwood) SG1-SG4	Metal Plate Fastener (connectors) By MITEKS <i>Min. Tensile Strength 320 MPa</i> <i>Min. Yield Stress 250 MPa</i>	ZincForm G300 (Z275)	TENN <i>Min. thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site) & C3 (Industrial Area & Sea side)	Approval Validity Period Until 24/01/2022

Senarai Pembekal Sistem Kekuda Bumbung JKR Malaysia

2. Cold Formed Steel Truss (Zon Utara)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
2	HAI-POINT STEEL SDN. BHD. No. 593, Jalan Pinang Jaya Bukit Pinang 06200 Kedah Darul Aman Tel : 04-7142487, 7143487, 7144487, 7146487, 7176388 Fax : 04-7142368 Nama P.E. : Ir. Lee Chuk Kee (16177)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore	a) MKT (Self-drilling Screws) b) M2 (Class 2)	HILTI (HSA-F) <i>Min. thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 31/12/2020
3	BW YEE SENG STEEL INDUSTRIES SDN. BHD. 1571, Jalan Serunai, Kawasan Perindustrian Valdor, Mukim 12 14200 Sungai Bakap Seberang Perai Selatan Pulau Pinang Tel : 04-5859999 Fax: 04-5859988 Nama P.E.: Ir. Woon Chan Sang (C18682)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore & Hot-dipped Zinc Coated (Z200)	a) MKT (Self-drilling Screws) b) M2 (Class 2) & M3 (Class 3)	TENN <i>Min. thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site) & C3 (Industrial Area & Sea side)	Approval Validity Period Until 21/01/2022
4	COOLDEC METAL INDUSTRIES SDN. BHD. 8 & 10, Jalan Pala 10, Kawasan Industri Ringan Permatang Tinggi, 14000 Bukit Mertajam, Penang Tel : 04-5885 198 / 398 Fax: 04-5889 598 Nama P.E.: Ir. Woon Chan Sang (C18682)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Zinc Coated (Z200)	a) MKT (Self drilling Screw) b) M2 (Class 2)	MKT <i>Min. thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period from 17/01/2022

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2. Cold Formed Steel Truss (Zon Tengah)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
5	SRT BUILDING SYSTEMS SDN. BHD. 35 & 35A Lintasan Perajurit 17 Taman Perdagangan & Perindustrian Ipoh 31400 Ipoh Perak Darul Ridzuan Tel : 05-542 3041 Fax : 05-542 3042 & 05-542 3043 Nama P.E.: Ir.Ong Chin Kuan (110001)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Zinc Coated (Z200)	a) MKT (Self-Drilling Screws) b) M2 (Class 2)	SIN HARP <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 31/12/2020
6	NS BLUESCOPE LYSAGHT MALAYSIA SDN. BHD. 6,Persiaran Kemajuan Seksyen 16 40200 Shah Alam, Selangor Tel : 03 – 5520 6600 Fax: 03 – 5520 6601/6602 Nama P.E: Ir. Khairi Bin Pandak Saaid (8145) Ir. William Lee Ah Yew (C111961)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore	a) ASTeks Red Point (Self-drilling screws) b) A2S (Class 2)	OCEAN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 15/09/2019
7	KEMUNING STRUCTURES SDN. BHD. Lot 3801, 6 1/4 Miles, Seksyen 32 Jalan Klinik, Bukit Kemuning 40460 Shah Alam, Selangor Tel : 03 – 5162 1688 Fax: 03 – 5162 4286 Nama P.E.: Ir. Teoh Teik Seng (11620)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Zinc Coated (Z200)	a) OCEAN (Self-drilling Screws) b) DX (Class 2)	TENN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 15/09/2019

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2. Cold Formed Steel Truss (Zon Tengah)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
8	<p>LAVENDA BUILDING SYSTEMS SDN. BHD. No. 2, Jalan Mandolin 33/5 Premier Industrial Park, Seksyen 33 40400 Shah Alam, Selangor</p> <p>Tel : 03-5614 3670 Fax: 03-5614 3671</p> <p>Nama P.E.: Ir. Mohd Jainuri Bin Hj Yarmo (11101) Ir. Ooi Soon Hin (11992) Ir. Wong Wei Ping (14663) Ir. Voon Choo Yen (12426)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore & Hot-dipped Zinc Coated (Z200)</p>	<p>a) TENN (Self-drilling Screws) b) F2 (Class 2) & F3 (Class 3)</p>	<p>HILTI (HSA-F) <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site) & C3 (Industrial Area & Sea side)</p>	<p>Approval Validity Period Until 31/12/2020</p>
9	<p>THUNG HING INDUSTRIAL TRADING SDN. BHD. Lot P.T 1351, Jalan Mohd Taib Kawasan Industri Sg. Choh 48000 Rawang Selangor Darul Ehsan</p> <p>Tel : 603 – 6099 9999/9996 Faks : 603 – 6099 9922</p> <p>Nama P.E : Ir. Liu Ching Hee (113972)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore</p>	<p>a) Ocean (Self-drilling Screws) b) DX (Class 2)</p>	<p>OCEAN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site)</p>	<p>Approval Validity Period Until 31/12/2020</p>
10	<p>LOTEZ ENGINEERING SDN. BHD. B 7-3-2 Block B, Megan Corporate Park Taman Desa Petaling 57100, Kuala Lumpur</p> <p>Tel : 03 – 9057 6691/ 6695 Fax: 03 – 9057 6617</p> <p>Nama P.E.: Ir. Ng Keng Bing (C112417) Ir. Lau Siang Ee (C113297)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Zinc Coated (Z200)</p>	<p>a) OCEAN (Self-drilling Screws) b) DX (Class 2)</p>	<p>OCEAN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site)</p>	<p>Approval Validity Period Until 31/12/2020</p>

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2. Cold Formed Steel Truss (Zon Tengah)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener c) Manufacturer d) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
11	<p>SUPERSPAN SDN. BHD. Lot. 2116, Jalan Nuri Kg. Kebun Baru Batu 9 42500, Telok Panglima Garang Selangor Darul Ehsan</p> <p>Tel : 03 – 3123 1348 Fax: 03 – 3123 1724</p> <p>Nama P.E.: Ir. Walter Sim Kian Joo (C19741)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore</p>	<p>a) OCEAN (Self-drilling Screws) b) DX (Class 2)</p>	<p>SIN HARP</p> <p><i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site)</p>	<p>Approval Validity Period Until 21/02/2022</p>
12	<p>ASIA ROOFING INDUSTRIES SDN. BHD. No.4, Jalan Sungai Pelubung 32/149 Seksyen 32 40460, Shah Alam Selangor Darul Ehsan.</p> <p>Tel : 03-5121 0011 Fax: 03-5121 0111</p> <p>Nama P.E.: Ir. Saw Han Woei (C112236)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore</p>	<p>a) Fast Mark (Self-drilling Screws) b) F2 (Class 2)</p>	<p>TENN</p> <p><i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site)</p>	<p>Approval Validity Period Until 18/10/2021</p>

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2. Cold Formed Steel Truss (Zon Selatan)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
13	<p>JUARA STEEL SDN. BHD. No. 64A, Jalan S2 D36, City Centre Seremban 2 70300 Seremban Negeri Sembilan.</p> <p>Tel : 06-6011595 Faks: 06-6011551</p> <p>Nama P.E.: Ir. Chong Chee Yen (12798)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore	<p>a) Ocean Fastrade Sdn. Bhd. (Self-drilling Screws)</p> <p>b) DX (Class 2)</p>	OCEAN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	<p>Approval Validity Period Until</p> <p>15/09/2019</p>

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2. Cold Formed Steel Truss (Zon Pantai Timur)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
14	<p>ARI TIMUR (KB) SDN. BHD. Lot 1306 Kawasan Perindustrian Pengkalan Chepa II 16100 Kota Bharu Kelantan</p> <p>Tel : 09-774 5946 Faks : 09-774 6946</p> <p>Nama P.E.: Ir. Saw Han Woei (C112236)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore	<p>a) Fast Mark (Self-drilling Screws)</p> <p>b) F2 (Class 2)</p>	TENN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	<p>Approval Validity Period Until</p> <p>31/12/2020</p>

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2. Cold Formed Steel Truss (Zon Pantai Timur)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
15	DUNGUN INTERGRADE SDN. BHD. Lot 6069, Batu 5, Jalan Paka, 23000 Dungun, Terengganu, Terengganu Darul Iman Tel : 09 - 8422710 Fax : 09 - 8422712 Nama P.E.: Ir. Mohamad Sahide Bin Ibrahim (12140) Ir. Safnawati Binti Sharbini (C110186)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore & Hot-dipped Zinc Coated (Z200)	a) TENN (Self-drilling Screws) b) F2(Class 2)	TENN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 13/01/2022
16	HS HENG SENG METAL SDN. BHD. PT 1431, Seksyen 39 Kawasan Perindustrian Pengkalan Chepa II Mukim Kemumin 16100 Kota Bharu Kelantan Darul Naim Tel : 09-773 6233 / 0132 / 0136 Faks : 09-773 6135 Nama P.E.: Ir. Khor Phing Cheong (12028)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Zinc Coated (AZ150)	a) Ocean Fastrade (Self-drilling Screws) b) DX (Class 2)	OCEAN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 03/06/2021
17	BRICKWELL ENGINEERING SDN. BHD. Lot 5139, Kawasan Perindustrian Pengkalan Chepa II 16100 Kota Bharu, Kelantan Darul Tel : 09 – 771 7919 Fax: 09 – 771 7910 Nama P.E.: Ir. Abu Hanifah Bin Yusof (C115772)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Zinc Coated (Z200)	a) Fast Mark (Self-drilling Screws) b) F2 (Class 2)	TENN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period from 10/04/2022

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2. Cold Formed Steel Truss (Zon Sabah)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
18	NS BLUESCOPE LYSAGHT SABAH SDN. BHD. Lorong Kurma, Off Jalan Kolombong 88450 Kota Kinabalu, Sabah Tel : 088-445 161 Fax : 088-421 178 Nama P.E.: Ir. Chua Guan Cheong (11683) Ir. Vun Wey Tyng (8428)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore	a) ASTeks Red Point (Self-drilling Screws) b) A2S (Class 2)	OCEAN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 02/03/2020
19	BRISTEEL CORPORATION SDN. BHD. 7A, Lorong Anggur Visa Industrial Estate Off Jalan Kolombong 88450 Kota Kinabalu, Sabah Tel: 088-382 811 / 15 Fax: 088-382 813 Nama P.E : Ir.Heng Kok Keong (C16062) Ir. Josue Lozitin (C113757) Ir. Jonathan Wong En Tshung (C114103)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium/ Zinc Coated (AZ150) YKGI Holding Berhad	a) TENN (Self-drilling Screws) b) JX (Class 2) & J3 (Class 3)	TENN SPOT NAILS SDN BHD <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site) & C3 (Industrial Area & Sea side)	Approval Validity Period Until 21/01/2021
20	COLFORM SDN. BHD. Lot 197, Lorong Sedco Light Industrial 5 Sedco Light Industrial Mile 2 ½, Off Jalan Utara P.O. Box 1166 90713, Sandakan, Sabah Tel : 089 – 238 833, 272 323 Fax: 089 – 272 829 Nama P.E.: Ir. Goh Say Keong (C17578)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150)	a) Corroseal (Self-drilling Screws) b) CS3 (Class 3)	SIN HARP <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site) & C3 (Industrial Area & Sea side)	Approval Validity Period Until 31/08/2020

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2. Cold Formed Steel Truss (Zon Sabah)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
21	<p>TECK GUAN STEEL SDN. BHD. No. 6, Jalan Cenderakasih, Off Jalan Lintas, Kolombong, 88450 Kota Kinabalu, Sabah Tel : 088-439955 Fax : 088-425135</p> <p>Nama P.E : Ir. Josue Lozitin (C 113757) Ir. Chiu Kwan Lit (C 18463)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate : Min. Thickness 1.2mm Main Truss Member & Bracing : Min. Thickness 1.0mm Batten : Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Zinc Coated (Z200)</p>	<p>a) ASTeks Red Point (Self-drilling Screws) b) A2S (Class 2)</p>	<p>TENN</p> <p><i>Min. thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site)</p>	<p>Approval Validity Period Until</p> <p>27/01/2022</p>
22	<p>CITY TOP ENTERPRISE SDN. BHD. Lorong Burong Keleto, Mile 5 1/2, 88450 Jalan Tuaran, Inanam, P.O.Box. 21064, 88768 Luyang, Kota Kinabalu Sabah Tel : 088-423333, 423331 Fax : 088-429200, 436617</p> <p>Nama P.E : Ir. Josue Lozitin (C113757)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate : Min. Thickness 1.2mm Main Truss Member & Bracing : Min. Thickness 1.0mm Batten : Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Zinc Coated (AZ150)</p>	<p>a) Asa Fastener (Self-drilling Screws) b) PX (Class 3)</p>	<p>ASA</p> <p><i>Min. thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site) & C3 (Industrial Area & Sea side)</p>	<p>Approval Validity Period Until</p> <p>09/12/2021</p>

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2. Cold Formed Steel Truss (Zon Sarawak)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
23	YUNCO BUILDING SYSTEMS SDN. BHD. Lot 712, Block 7, Demak Laut Industrial Park 93050 Kuching Sarawak Tel : 082-432 880 Fax : 082-432 894 Nama P.E.: Ir. Hii Ee Sing Michael (5358)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150)	a) ASTeks Red Point (Self-drilling Screws) b) A2S (Class 2)	HILTI (HSA-F) <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site)	Approval Validity Period Until 31/12/2020
24	NS BLUESCOPE LYSAGHT (SARAWAK) SDN. BHD. Lot 610, Section 66 Jalan Merbau, Pending Industrial Area 93450 Kuching Sarawak Tel : 082-333 621 Fax : 082-483 486 Nama P.E.: Ir. Robert Wong Sie Ung (C113997)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore	a) TENN Hexagonal Wafer Head (Self-drilling Screws) b) J3 (Class 3)	TENN <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site) & C3 (Industrial Area & Sea side)	Approval Validity Period Until 30/06/2019
25	AMCAN SDN BHD Lot 779, Block 7 Jalan Demak Laut 3, MTLD Sejingkat Industrial Park 93050 Kuching Sarawak Tel : 082-432323 Fax: 082-432828 Nama P.E.: Ir. Robert Wong Sie Ung (C13997)	C-Lipped Channel & Batten Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm <i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i> <i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i>	Hot-dipped Aluminium / Zinc Coated (AZ150)	a) ASTeks Red Point (Self-drilling Screws) b) A2S (Class 2) c) A3S (Class 3)	HILTI (HSA-F) <i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i>	C2 (Normal Site) & C3 (Industrial Area & Sea side)	Approval Validity Period Until 30/11/2019

Senarai Pembekal Sistem Kekuda Bumbung JKR Malaysia

2. Cold Formed Steel Truss (Zon Sarawak)

No.	Name and Address of System Provider	Material Properties	Minimum Corrosion Protection	Approved Fastener a) Manufacturer b) Head Marking (Class)	Approved Anchor Bolt (Manufacturer)	Site Area	Current Status
26	<p>ECOSTEEL SDN. BHD. Lot 825, Block 7 Demak Laut Industrial Park 93050 Kuching, Sarawak.</p> <p>Tel : 082 – 439 368 Fax: 082 – 433 063</p> <p>Nama P.E : Ir. Ting Leong Hing Colin (C110725)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Aluminium / Zinc Coated (AZ150) Truecore</p>	<p>a) ASTeks Red Point (Self-drilling Screws) b) A2S (Class 2)</p>	<p>HILTI (HSA-F)</p> <p><i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site)</p>	<p>Approval Validity Period Until 16/01/2022</p>
27	<p>SUPER GLORY INDUSTRIES SDN. BHD. Lot 921, Blok 26, KLD Tanjung Kidurong Road P.O. Box 1954 97000 Bintulu, Sarawak.</p> <p>Tel : 086-251 119 / 086-251 441 Faks : 086-251 444</p> <p>Nama P.E.: Ir. Lim Lee Kiong (13092) Ir. Robert Wong Sie Ung (C113997)</p>	<p>C-Lipped Channel & Batten</p> <p>Wall Plate: Min. Thickness 1.2mm Main Truss Member & Bracing: Min. Thickness 1.0mm Batten: Min. Thickness 0.5mm</p> <p><i>For base metal thickness less than or equal to 1.2mm then Min. Yield Stress 550 MPa</i></p> <p><i>For base metal thickness greater than 1.2mm then Min. Yield Stress 450 MPa</i></p>	<p>Hot-dipped Zinc Coated (Z200)</p>	<p>a) ASTeks Red Point (Self-drilling Screws) b) A2S (Class 2)</p>	<p>HILTI (HSA-F)</p> <p><i>Min.thickness of 42 micron coating by Hot-dipped Galvanized</i></p>	<p>C2 (Normal Site)</p>	<p>Approval Validity Period from 27/09/2021</p>



Senarai ini dikeluarkan oleh : Pengarah Kanan
Cawangan Kejuruteraan Awam & Struktur
Jabatan Kerja Raya Malaysia
Tingkat 4 - 10, Menara Kerja Raya (Blok G)
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	Pn. Siti Hawa@Norsuriatie Binti Che Ismail	Tel: 03-2618 8776	E-mel: shawa@jkr.gov.my
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	En. Rasydan Syahrin Bin Ramli	Tel: 03-2618 9621	E-mel: rsyahrin@jkr.gov.my
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Untuk senarai terkini sila layari <https://www.jkr.gov.my>

GARIS PANDUAN BAGI REKABENTUK DAN PEMASANGAN
KEKUDA BUMBUNG PASANGSIAP

1. Keperluan Am

- 1.1 Setiap Kontraktor Utama yang ingin menggunakan sistem kekuda bumbung jenis Pre-Fabricated Cold Formed Steel atau Pre-Fabricated Timber hendaklah membuat permohonan kepada Pegawai Penguasa / Pengarah Projek dengan mengisi Borang Permohonan Penggunaan Sistem Kekuda Bumbung (Lampiran C).
- 1.2 Pegawai Penguasa / Pengarah Projek akan memastikan bahawa Pembekal Sistem (System Provider) yang dicadangkan oleh Kontraktor Utama adalah terdiri dari pembekal-pembekal yang telah disenaraikan di dalam **Senarai Pembekal Sistem Kekuda Bumbung (Lampiran A)**. Senarai ini akan dikemaskini dari masa ke masa dan boleh diakses di laman web www.jkr.gov.my pada ruangan Pengumuman.
- 1.3 Pegawai Penguasa / Pengarah Projek juga akan menyemak kelayakan Pemasang Bertauliah (Accredited Installer) dengan menuntut setiap penamaan Pemasang Bertauliah menyertakan surat asal perakuan dari Pembekal Sistem berkenaan.
- 1.4 Pegawai Penguasa / Pengarah Projek akan menyatakan persetujuan terhadap permohonan Kontraktor Utama apabila semua keperluan yang telah ditentukan dalam garis panduan ini telah dipatuhi serta yakin dengan kemampuan Pemasang Bertauliah dan Jurutera Rekabentuk yang dicadangkan.
- 1.5 Pegawai Penguasa / Pengarah Projek akan mengemukakan satu (1) salinan Borang Permohonan (Lampiran C) kepada **Pengarah Kanan, Cawangan Kejuruteraan Awam & Struktur, Jabatan Kerja Raya Malaysia, Tingkat 4-10, Menara Kerja Raya (Blok G), Ibu Pejabat JKR, Jalan Sultan Salahuddin, 50480 Kuala Lumpur** untuk tujuan rekod.
- 1.6 Pegawai Penguasa / Pengarah Projek akan hanya membuat bayaran untuk pembekalan dan pemasangan kekuda keluli bumbung berkenaan sesudah pihak Kontraktor Utama mengemukakan kepada Pegawai Penguasa / Pengarah Projek perakuan siap yang ditandatangani oleh Jurutera Professional yang berdaftar dengan Lembaga Jurutera Malaysia (BEM). Perakuan tersebut mengesahkan bahawa pembuatan dan pemasangan kekuda telah disiapkan dan kerja telah dibuat selaras dengan lukisan pembinaan dan penentuan yang telah dikemukakan terdahulu.

2. Pengemukakan Dokumen Sokongan oleh Kontraktor Utama

- 2.1 Kontraktor Utama adalah dikehendaki untuk mengemukakan kepada Pegawai Penguasa / Pengarah Projek dokumen-dokumen lain yang berkaitan selain dari Borang Permohonan (Lampiran C) bagi menyokong permohonan beliau. Dokumen-dokumen lain yang dimaksudkan itu ialah seperti berikut:
- i) Pengiraan rekabentuk kekuda bumbung (bebanan servis M&E yang ditanggung oleh struktur kekuda seperti *air-conditioner ducting*, dan lain-lain dimasukkan dalam rekabentuk, jika berkenaan. Walaubagaimanapun, struktur kekuda tidak harus direkabentuk untuk menanggung bebanan tangki air.
 - ii) Pengiraan rekabentuk untuk komponen kritikal (*critical members*).
 - iii) Pengiraan rekabentuk untuk perambat kekal (*permanent bracing*).
 - iv) Pengiraan rekabentuk bagi sambungan anggota kekuda (*truss connection*) spt. fastener, L-bracket dan anchor-bolt.
 - v) Pengiraan rekabentuk untuk sokong kekuda (*truss support*) yang menggunakan wall plate.
 - vi) Lukisan kerja yang disahkan (*certified construction drawings*) yang merangkumi lukisan keseluruhan struktur kekuda, perincian pemasangan bagi perambat kekal, sambungan anggota kekuda (termasuklah perincian sambungan yang melibatkan penggantungan servis M&E, dll) dan sokong kekuda.
 - vii) Method Statement untuk kerja-kerja fabrikasi dan pemasangan.
 - viii) Program kawalan mutu dan pemeriksaan yang bakal dijalankan.
 - ix) Perakuan Jurutera Rekabentuk berhubung pematuhan keperluan kadar ketahanan kebakaran sepertimana termaktub dalam Undang-Undang Kecil Bangunan Seragam (UBBL) yang berkuatkuasa.
- 2.2 Semua dokumen-dokumen kejuruteraan yang dihasilkan dan dikemukakan kepada Pegawai Penguasa / Pengarah Projek oleh Kontraktor Utama berhubung dengan kekuda bumbung tersebut hendaklah disahkan, ditandatangani dan diturunkan mohor Jurutera Professional oleh Jurutera Perekabentuk yang bertauliah.
- 2.3 Jurutera Perekabentuk yang boleh ditauliahkan untuk menjalankan kerja-kerja rekabentuk dengan pengesahan pemasangan di tapak ialah jurutera yang berdaftar dengan Lembaga Jurutera Malaysia (BEM) sebagai Jurutera Professional (*Professional Engineer*) dan masih dibenarkan untuk menjalankan kerja-kerja kejuruteraan.
- 2.4 Kontraktor Utama dikehendaki untuk menyelia kerja-kerja pemasangan kekuda bumbung tersebut serta memastikan kerja yang dihasilkan adalah terbaik dan keselamatan awam adalah terjamin pada setiap masa.

Permohonan Penggunaan Sistem Kekuda Bumbung :

Pre-Fabricated Cold Formed Steel
 Pre-Fabricated Timber

Factory Fabrication
 On-site Fabrication

A. Maklumat Asas Projek

- i. Nama projek :
- ii. No. Kontrak :
- iii. Nama dan Alamat :
- Kontraktor Utama :

B. Maklumat Cadangan Sistem Kekuda

Adalah saya Kontraktor Utama projek ini memohon untuk menggunakan sistem kekuda pasangsiap tersebut sebagaimana butiran di bawah :

- i. Nama dan Alamat Pembekal Sistem :
- ii. Nama dan Alamat Perekabentuk :
- (Alamat Perekabentuk)
- (Nombor Pendaftaran LJM)
- iii. Nama dan Alamat Pemasang Bertauliah :
- (Sila sertakan Surat Perakuan Pemasang Bertauliah dari Pembekal Sistem)

C. Perakuan Kontraktor Utama

Adalah saya Kontraktor Utama projek ini yang memohon untuk menggunakan kekuda pasangsiap seperti butiran di atas, mengakui bahawa saya adalah bertanggungjawab sepenuhnya terhadap pembekalan, rekabentuk dan pemasangan kekuda pasangsiap tersebut.

Tarikh :
 (Tandatangan Kontraktor Utama dan Cop Mohor)

D. Perakuan Pembekal Sistem

Saya mengesahkan bahawa sistem kekuda syarikat kami dicadangkan untuk projek di atas mencapai segala keperluan yang dinyatakan di dalam spesifikasi.

Tarikh :
 (Tandatangan Pembekal Sistem dan Cop Mohor)