Building Specification Sheet

Client Details

Job Name:	John Parsons	**Site Address:**	33-35 Summerville Circuit Emu Plains

Design Parameter Specifications

Wind Region:	A1	**Terrain Category:**	3
Topography:	Level Site	**Shielding:**	Full shielding
Building Usage:	Industrial/Commercial	**Importance Level:**	2
Dominant Opening (yes/no):	No	**Internal Press Coefficient:**	-0.3, 0.2
Regional Wind Velocity (m/s):	45 m/s	**Design Working Life (yrs):**	50 Years
Site Wind Velocity (m/s)	30 m/s	**Percent AEP Flood Level:**	NA
Flood Zone[1]:	NA	**Max ¼ Eave Water Velocity (m/s):**	NA
Max Eave Water Velocity (m/s):	NA	**Alpine / Sub Alpine:**	NA
Snow Region:	NA	**Annual Exceedance Prob:**	NA
Altitude Above Sea Level (m):	NA	**Snow Loading (kPa):**	NA
Snow Terrain Category:	NA	**Soil Type design maximum:**	M
Ground Type:	Stiff clay	**Footing Size (WxLxD):**	0.45x0.45x1
Footing Type:	Engaged Pad	**Column In Ground (mm):**	NA
Column Connection Type:	Pinned	**Column Anchor Type:**	Stirrup

Cladding, Flashings, Insulation & Water management

Wall Cladding:	Metroclad 864 0.35 (STD Wall)	**Roof Cladding:**	Corodek 0.42 (STD Roof)
Skylights Type:	Skylight - Corodek Polycarbonate 1kg/m	**Skylight No:**	8
Corner Flashings:	Flashing - Corner 50 x 50 CB	**Opening Flashing:**	Flashing - Corner 50 x 50 CB
Header Flashings:	Flashing - Corner 50 x 50 CB	**Eave Flashing:**	NA
Barge:	Flashing - Barge Corodek CB	**Ridge Cap:**	Flashing - Ridge Cap Corodek 10 deg CB
Gutter:	Gutter - 115 Quad Gutter CB	**Roof m2 area:**	881.649 m2
Downpipe Qty:	12	**Downpipe Size:**	Downpipe - 100 x 75 1800 CB
Wall Insulation:	NA	**Wall Ventilation:**	NA
Roof Insulation:	NA	**Roof Ventilation:**	NA
Ridge Filler:	NA	**Eave Filler:**	NA
Base Filler:	NA	**Vermin Seal:**	NA

Colour Schedule

Roof Colour:	No Colour	**Ridge Cap Colour:**	No Colour
Wall Colour:	No Colour	**Barge Colour:**	No Colour
Corner Flashing Colour:	No Colour	**Opening Flashing Colour:**	No Colour
Gutter Colour:	No Colour	**Downpipe Colour:**	No Colour
Skylight Colour:	Opal		

Foot Notes

Main Building

Client Details

Job Name:	John Parsons	Site Address:	33-35 Summerville Circuit Emu Plains

Main Building Geometry

Width:	18m	**Length:**	48m
Roof type:	Gable	**Roof Pitch:**	10deg
Left Eave Height:	6.0m	**Right Eave Height:**	6.0m
Largest Side Bay:	6.0m	**Largest End Bay:**	6.0m
Side Bay Qty:	8	**End Bay Qty:**	3
Extended Eaves LH:	0	**Extended Eaves Front:**	0
Extended Eaves RH:	0	**Extended Eaves Back:**	0

Main Building Portal Member Schedule

End Wall Portal Frames - All Portals with 50% Bay Load Width only

End Column:	2C15024	**End Rafter:**	C15015
Haunch Connection:	Haunch Bracket - 2C15024 10 Deg	**Apex Connection:**	Apex Bracket - C15015 10 Deg
Portal Fixing:	Bolted – See Connection Detail	**Portal Base Type:**	Stirrup
Base Type Fixing:	Bolted – See Connection Detail	**Masonry Anchors:**	See Connection Detail
End Mullion:	C25019	**Mullion Base Cleat:**	Base Cleat - C25019
Mullion Cleat Fixing:	Bolted – See Connection Detail	**Masonry Anchors:**	See Connection Detail
Knee Brace:	NA	**Apex Brace:**	NA
Knee Brace Length:	N/A	**Apex Brace Length:**	N/A
Knee Brace Origin:	N/A	**AB Connection:**	N/A
Knee Brace Angle:	N/A	**Apex Brace Fixing:**	N/A
KB Connection:	N/A	**Knee Brace Fixing:**	N/A
Open Bay Column:	2C15024	**Columns Required:**	14

Internal Portal Frames - All Building Portals with 100% Bay Load Width only

Internal Column:	C35030	**Internal Rafter:**	C35030
Haunch Connection:	Haunch Bracket - C35030 10 Deg	**Apex Connection:**	Apex Bracket - C35030 10 Deg
Portal Fixing:	Bolted – See Connection Detail	**Portal Base Type:**	Stirrup
Base Type Fixing:	Bolted – See Connection Detail	**Masonry Anchors:**	See Connection Detail
Knee Brace:	C15012	**Apex Brace:**	NA
Knee Brace Length:	3.0642m	**Apex Brace Length:**	NA
Knee Brace Origin:	1.5m down the wall from the eave.	**AB Connection:**	NA
Knee Brace Angle:	50 Deg	**Apex Brace Fixing:**	NA
KB Connection:	Knee Brace Bracket - C15012 10 Deg	**Knee Brace Fixing:**	Bolted - See Connection Detail
Open Bay Column:	C35030	**Columns Required:**	0

Foot Notes

Main Building Continued

Client Details

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Main Building Ancillary Frame Member Schedule

Bracing			
Cross Bracing:	Bracing - Strap 32 x 1.6mm (2 x 50m or 1 x 100m rolls)	**Cross Brace Fixing**	Screwed – See Connection Details
Fly Bracing:	Flybrace 50mm Feed x 1155mm	**Fly Brace Fixing:**	Screwed – See Connection Details
Roof Strut:	C15019	**Struts Each Side / Bay:**	0
RF Strut Connection:	See Connection Details	**Roof Strut Fixings:**	Bolted - See Connection Details
LH RF Bays with Strut:	See Roof Plan	**RH RF Bays with Strut:**	See Roof Plan
LH Side Bays Braced:	See Frame Elevations	**RH Side Bays Braced:**	See Frame Elevations
LH RF Bays Braced:	See Roof Plan	**RH RF Bays Braced:**	See Roof Plan
Front Bays Braced:	See Frame Elevations	**Back Bays Braced:**	See Frame Elevations
End Roller Door Members			
R-Door Columns:	NA	**R-Door Column Fixing:**	NA
R-Door Base Cleats:	NA	**Masonry Anchors:**	NA
Base Cleat Fixing:	NA	**Header Beam Fixing:**	NA
R-Door Header Beam:	NA	**Header Orientation:**	NA
Side Roller Door Members			
R-Door Columns:	Z20024	**R-Door Column Fixing:**	See Connection Details
R-Door Base Cleats:	NA	**Masonry Anchors:**	See Connection Details
Base Cleat Fixing:	Bolted - See Connection Details	**Header Beam Fixing:**	See Connection Details
R-Door Header Beam:	C15019	**Header Orientation:**	Horizontal
Purlin's, Girt's & Bridging			
Eave Purlin:	C15012 C Section Eave Purlin	**Eave Purlin Connection:**	See Connection Details
Roof Purlin:	Z15012 Z Section	**Purlin Spacing:**	1.008m
Purlin Bridging:	Yes	**Bridging Rows / Bay:**	2
Side Wall Girt:	Z15012 Z Section	**Side Spacing:**	1.45m
Side Girt Bridging:	Yes	**Bridging Rows / Bay:**	2
End Wall Girt:	Z15012 Z Section	**End Spacing:**	1.417m
End Girt Bridging:	Yes	**Bridging Rows / Bay:**	2
Girt Fixing:	Screwed – See Connection Details	**Purlin Fixing:**	Screwed – See Connection Details

Foot Notes

Mezzanine Floor Specification Sheet

Main Building Mezzanine Floor

Design Load (kPa):	1.5 Kpa	**Frame Height:**	3 m
Bearer Section:	2C35030	**Max Bearer Span:**	6.122 m
Bearer Connection:	See Connection Details	**Bearer Fixing:**	Bolted - See Connection Details
Bearer Support Post:	CSHI / Post - SHS 75 x 75 x 2.5	**Posts / Bearer:**	2
Post Fixing:	See Connection Details	**Post Base Cleat:**	See Connection Details
Base Cleat Fixing:	See Connection Details	**Masonry Anchors:**	See Connection Details
Joist Section:	Z25024	**Largest Mez Bay:**	6.0m
Max Joist Spacing:	0.6 m	**Joist Fixing:**	Screwed – See Connection Details

Front Gara-Port Mezzanine Floor

Design Load (kPa):	1.5 Kpa	**Frame Height:**	3 m
Bearer Section:	2C35030	**Max Bearer Span:**	6.122 m
Bearer Connection:	See Connection Details	**Bearer Fixing:**	Bolted - See Connection Details
Bearer Support Post:	CSHI / Post - SHS 75 x 75 x 2.5	**Posts / Bearer:**	2
Post Fixing:	See Connection Details	**Post Base Cleat:**	See Connection Details
Base Cleat Fixing:	See Connection Details	**Masonry Anchors:**	See Connection Details
Joist Section:	Z25024	**Largest Mez Bay:**	6.0m
Max Joist Spacing:	0.6 m	**Joist Fixing:**	Screwed – See Connection Details

Back Gara-Port Mezzanine Floor

Design Load (kPa):	1.5 Kpa	**Frame Height:**	3 m
Bearer Section:	2C35030	**Max Bearer Span:**	6.122 m
Bearer Connection:	See Connection Details	**Bearer Fixing:**	Bolted - See Connection Details
Bearer Support Post:	CSHI / Post - SHS 75 x 75 x 2.5	**Posts / Bearer:**	2
Post Fixing:	See Connection Details	**Post Base Cleat:**	See Connection Details
Base Cleat Fixing:	See Connection Details	**Masonry Anchors:**	See Connection Details
Joist Section:	Z25024	**Largest Mez Bay:**	6.0m
Max Joist Spacing:	0.6 m	**Joist Fixing:**	Screwed – See Connection Details

Left Lean-to Mezzanine Floor

Design Load (kPa):	1.5 Kpa	**Frame Height:**	3 m
Bearer Section:	2C35030	**Max Bearer Span:**	6.122 m
Bearer Connection:	See Connection Details	**Bearer Fixing:**	Bolted - See Connection Details
Bearer Support Post:	CSHI / Post - SHS 75 x 75 x 2.5	**Posts / Bearer:**	2
Post Fixing:	See Connection Details	**Post Base Cleat:**	See Connection Details
Base Cleat Fixing:	See Connection Details	**Masonry Anchors:**	See Connection Details
Joist Section:	Z25024	**Largest Mez Bay:**	6.0m
Max Joist Spacing:	0.6 m	**Joist Fixing:**	Screwed – See Connection Details

Right Lean-to Mezzanine Floor

Design Load (kPa):	1.5 Kpa	**Frame Height:**	3 m
Bearer Section:	2C35030	**Max Bearer Span:**	6.122 m
Bearer Connection:	See Connection Details	**Bearer Fixing:**	Bolted - See Connection Details
Bearer Support Post:	CSHI / Post - SHS 75 x 75 x 2.5	**Posts / Bearer:**	2
Post Fixing:	See Connection Details	**Post Base Cleat:**	See Connection Details
Base Cleat Fixing:	See Connection Details	**Masonry Anchors:**	See Connection Details
Joist Section:	Z25024	**Largest Mez Bay:**	6.0m
Max Joist Spacing:	0.6 m	**Joist Fixing:**	Screwed – See Connection Details

Foot Notes