ENGINEERING SCHEDULE

CERTIFIED STEEL PORTAL FRAME SHED DESIGN FOR "REGION A" TERRAIN CATEGORY 2.0, 2.5 & 3.0 - IMPORTANCE LEVEL 2.

Internal Pressure: 0.7

Design Snow Load: 0.00 KPa, Roof Snow Load: 0.00 KPa

Customer: Mikki Piirlaid

Site Address: 60 Bonner Road, Agnes Banks NSW 2753

Main Building: Span: 10, Length: 15, Height: 3.6, Roof Pitch: 11 degrees The length being comprised of 3 bays, the largest bay is 5m bays.

Left LeanTo: NA Right LeanTo: NA

Total Kit Weight: 3943.36kg

INTERNAL PORTALS Column: C25024

Rafter: C25024 Knee Brace: C15024 Knee Brace Length: 2400 Apex Brace: C15024 Apex Brace Length: 4100

END PORTALS

Column: C25024 Rafter: C25024 Knee Brace: NA Knee Brace Length: NA Apex Brace: NA Apex Brace Length: NA Endwall Mullion: C25024

LEFT LEAN TO PORTALS

Internal Column: NA Internal Rafter: NA End Column: NA End Rafter: NA Knee Brace: NA Knee Brace Length: NA RIGHT LEAN TO PORTALS

Internal Column: NA Internal Rafter: NA End Column: NA End Rafter: NA Knee Brace: NA Knee Brace Length: NA

NOTE: All unclad intermediate columns are always back to back (refer to drawing: Floor Plan).

PURLINS AND GIRTS		
Eave Purlin: TH120100		
Side Wall Girts: TH120100	Max Spacing: 1250	Overlap: 10%
Front End Wall Girts: TH120100	Max Spacing: 1250	Overlap: 10%
Back End Wall Girts: TH120100	Max Spacing: 1250	Overlap: 10%
Roof Purlins: TH120100	Max Spacing: 1200	Overlap: 10%

NOTE: Girt spacing will vary to a maximum 1.25m where window/s are located.

FASTENERS

Sleeve Anchor Bolts: M16x105 Sleeve Anchor

Frame Bolts: M16x45 Purlin Assembly Zinc (Mild)

Frame Screws: Frame Screw 14x14x22 Cross Bracing Strap: 32mm x 1.2 strap

Open Bay Header Height: NA

Roof Sheets: Mist Green External Wall Sheets: Mist Green Roller Doors: Mist Green Flashings: Mist Green PA Doors: Mist Green Windows: Mist Green COLOUR SCHEDULE

EMERALD

CIVIL & STRUCTURAL ENGINEERS

Bend MIEAust RPEng RPEQ 15562 TBP RC41817 (VIC)

Date: 10.12.2020

DOMESTIC & LIGHT INDUSTRIAL STEEL PORTAL FRAME SHED STRUCTURES

This structure is designed in compliance with AS4600, AS3600 and AS1170 1 to 4 as Importance Level 2 with a Live Load of 0.25kPa as "Air Leaky Structures" providing stability when openings are prevalent.

The structures are clad with corrugated pre-painted finish, 0.42mm walls and 0.42mm roof (compliant with AS1562.1 Metal) over cold formed 450 to 550mPa galvanized steel C sections primary frames.

Primary framing is fastened together with 4.6 Class galvanized bolts adequately tensioned on ground prior to erection.

Secondary framing steel bracing, with purlins and girts lapped, are all tek fastened to primary steel with a minimum of two (2) teks per connection as specified in details.

All rainwater products are compliant with AS2179.1 (Metal).

ENGINEERING

The undersigning engineer has checked that the design of the structure complies with relevant current Australian Standards as stated above and the following i.e AS4671- 2001 Steel Reinforcing materials, AS3600 - Concrete structures. However, he will not be present during construction, neither will be conduct inspections nor construction supervision.

The class 10a buildings are designed for erection on pad footings or slab based on soil of classification "A"-"P" with minimum bearing capacity 100kPa (i.e. organic soil is to be removed to a suitable material below natural surface).

Where (suitable) fill is required to level the site, it should be placed and compacted in layers of 150mm maximum.

Concrete pad footings and slab supply and placement is to be in compliance with AS2870-2011 Residential Slabs & Footings, AS3600-2009 Concrete Structures for A2 and B2 exposure (i.e. 25mPa strength @ 28 days strength) with recommended slump 75 to 80mm for light pneumatic tyred traffic all trafficable floors.

For sites where these conditions are considered to be inadequate, a customized foundation design for the structure can be supplied to suit a specific purpose.

Erection of the structure is to be in compliance with local and state ordinances.

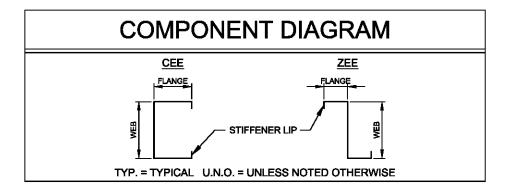
Occupational Health and Safety Regulations and with plans provided.

The designs as portrayed on the drawings remain the intellectual property of Best Sheds Pty Ltd and are provided for building approval and construction purposes only and are only valid when blue ink signed and dated by the engineer.

SNOW LOAD

Following conditions only apply to buildings with snow loading:

- No maintenance or roof traffic permitted on the roof while there is snow present.
- No other structure to be erected within 500mm of the gutters of this building.



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COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING

CAMILO PINEDA MORENO

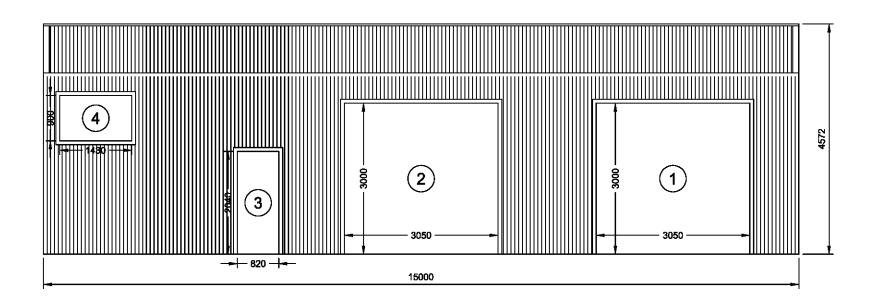
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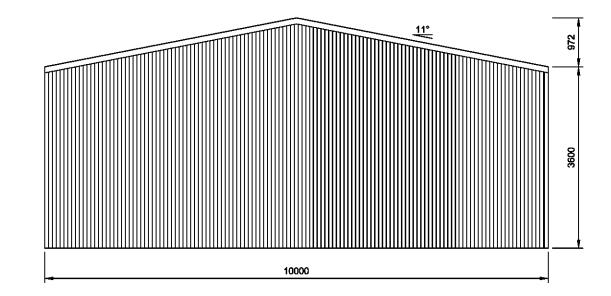
Customer Name: Mikki Piirlaid Site Address: 60 Bonner Road Agnes Banks. NSW, 2753

10-12-2020 JOB NO. 0812973939 SHEET 1 of 7

Document Set ID: 9506689 Version: 1, Version Date: 10/03/2021

Value & <u>Quality Direct to You</u>





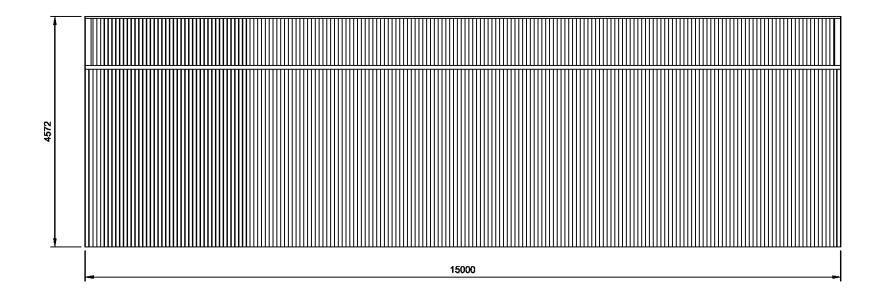
LEFT ELEVATION

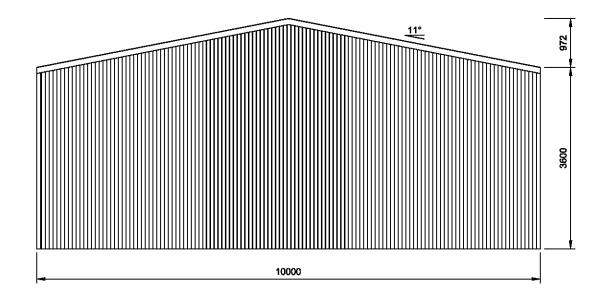
SCALE: 1:75

REAR ELEVATION

SCALE: 1:75

FRAME #4





RIGHT ELEVATION

SCALE: 1:75

FRONT ELEVATION

SCALE: 1:75

FRAME #1

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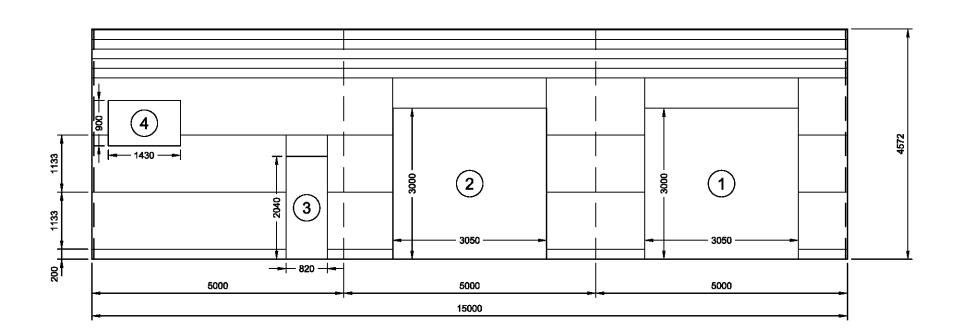
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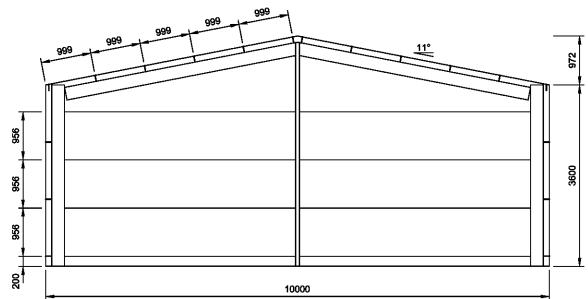
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DATE 10-12-2020 JOB NO. 0812973939 SHEET 2 of 7





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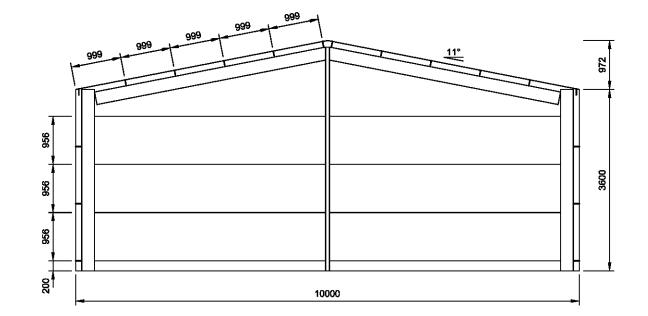
LEFT ELEVATION

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15000 15000 3 REAR ELEVATION

SCALE: 1:75

FRAME #4



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RIGHT ELEVATION

SCALE: 1:75

4

FRONT ELEVATION

SCALE: 1:75

FRAME #1

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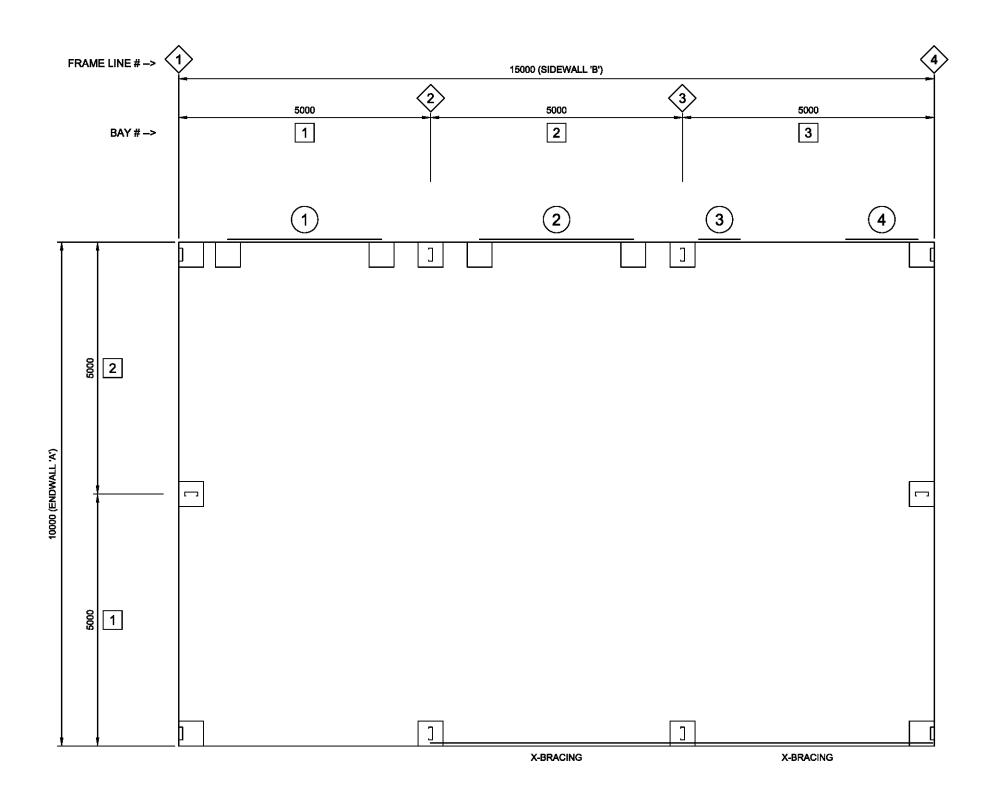
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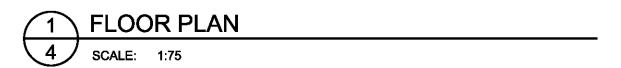
nc) Signature: (

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Customer Name: Mikki Piirlaid Site Address: 60 Bonner Road Agnes Banks, NSW, 2753 DATE 10-12-2020 JOB NO. 0812973939 SHEET 3 of 7

Document Set ID: 9506689 Version: 1, Version Date: 10/03/2021







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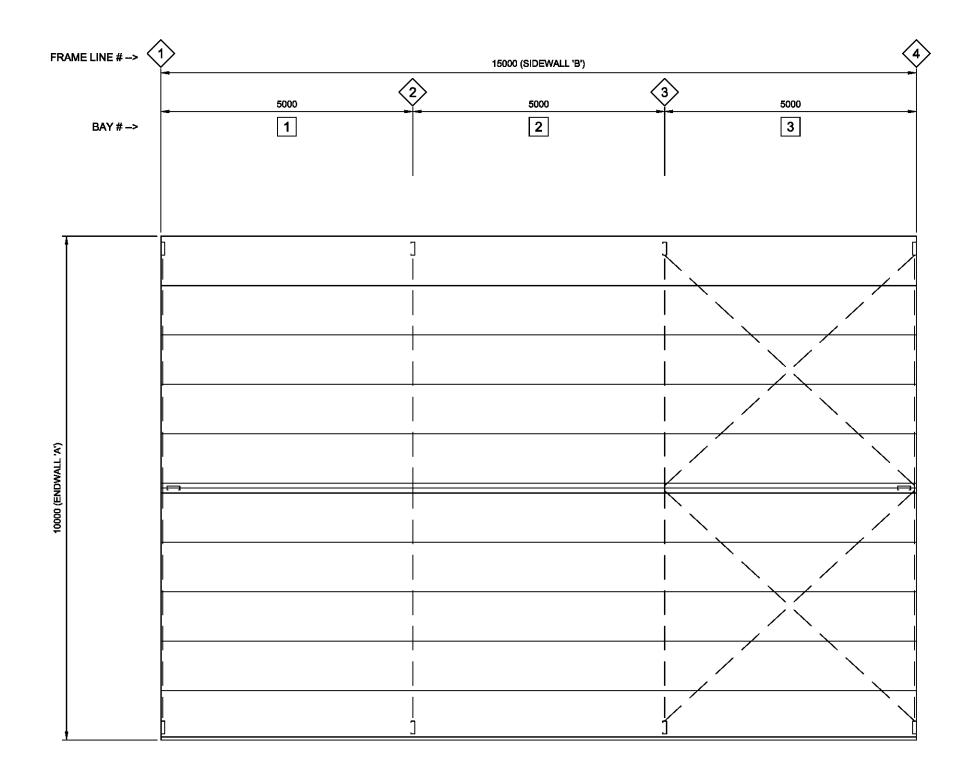
COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING

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Signature:

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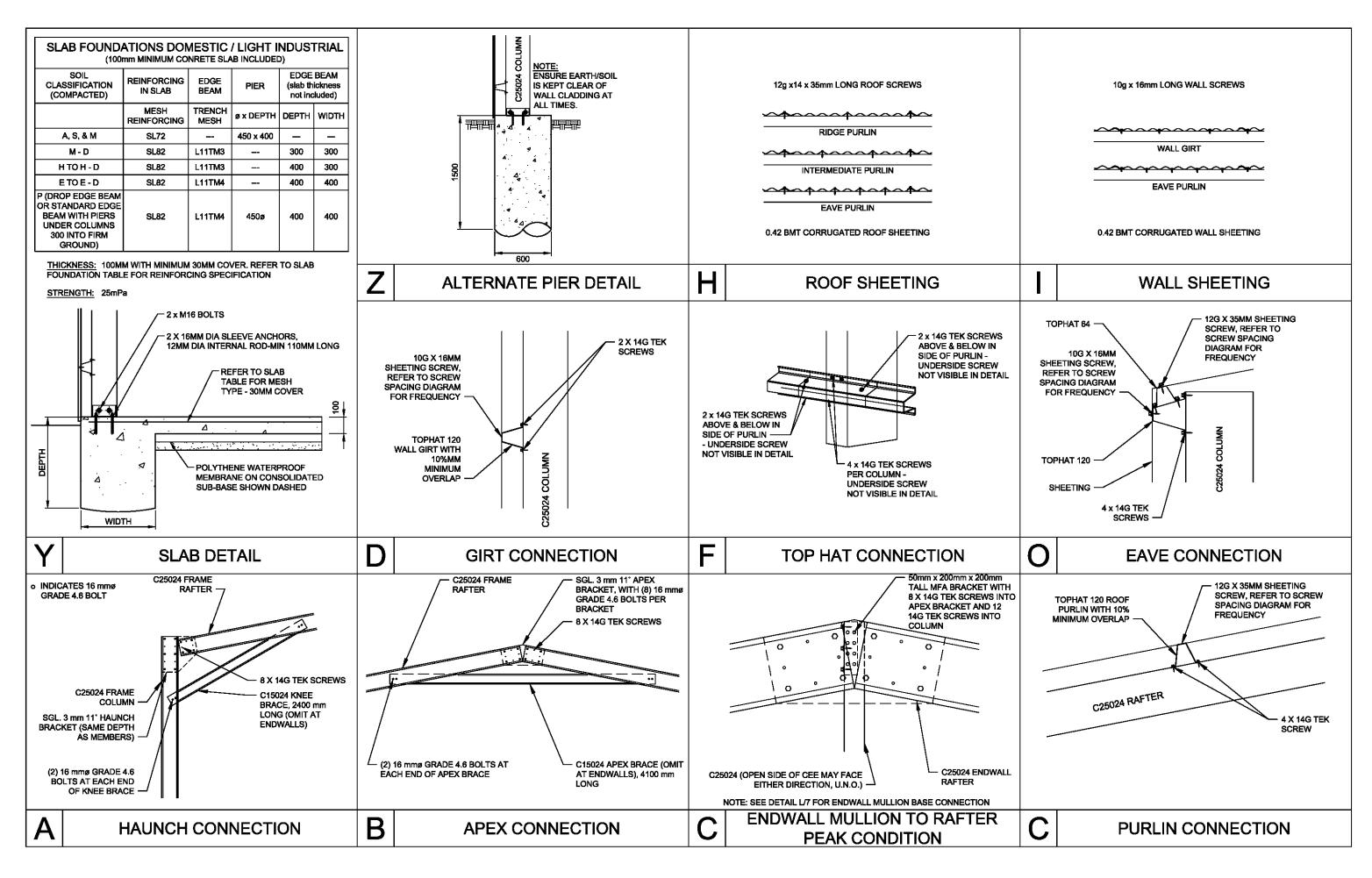
CAMILO PINEDA MORENO

Signature:

Site Address: 60 Bonner Road Agnes Banks, NSW, 2753)ate: 10.12.2020

Customer Name: Mikki Piirlaid

DATE 10-12-2020 JOB NO. 0812973939 SHEET 5 of 7





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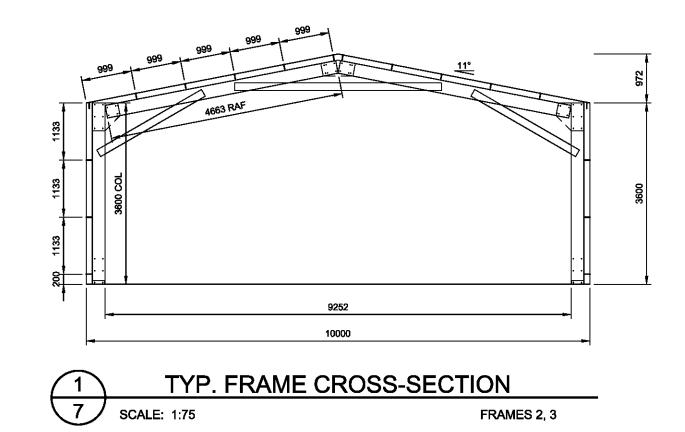
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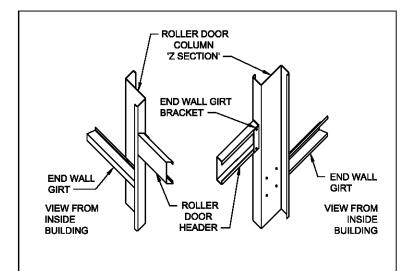
COMMERCIAL - INDUSTRIAL - RESIDENTIAL - FORENSIC - STEEL DETAILING

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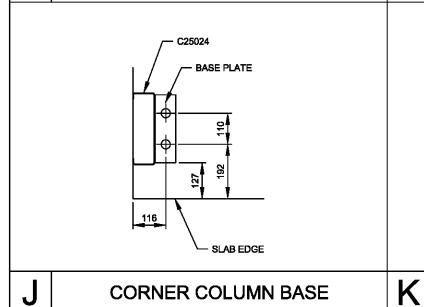
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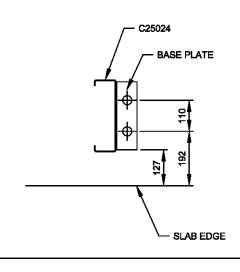
Customer Name: Mikki Piirlaid Site Address: 60 Bonner Road Agnes Banks, NSW, 2753 DATE 10-12-2020 JOB NO. 0812973939 SHEET 6 of 7



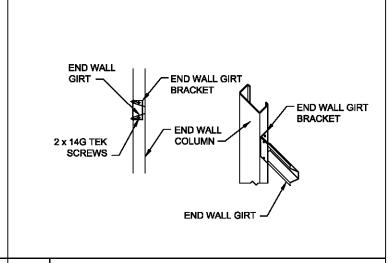


| SIDE DOOR HEADER AND JAMB





192 110
BASE PLATE
C25024



INTERNAL COLUMN BASE

ENDWALL MULLION BASE

ENDWALL GIRT BRACKET

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CAMILO PINEDA MORENO Bend MEAust RPEng

Signatu

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