

## Introduction

PMH recognises the serious risks associated with the loading, unloading, and transportation of mobile plant, equipment, and parts, and aims to eliminate or reduce these risks as far as is practicable.

The purpose of this guide is to provide all transport operators and drivers an understanding of what to expect when attending an PMH facility for any transport related activity.

## Pre-Arrival

- Prior to attending site, transport operators must confirm the mass and dimension of the mobile plant, equipment, or parts to ensure an appropriate transport vehicle and load restraints are allocated.
- Transport operators should provide drivers a copy of the applicable Traffic Management Plan (TMP) prior to arrival.

**Refer - Traffic Management Plans.**







- Mandatory Personal Protective Equipment (PPE) policies are in place. **Drivers must wear the below PPE to access operational areas.**



## General Site Safety Rules

General site safety rules apply in all PMH facilities.

Transport operators must ensure all drivers are made aware of the following rules.

 <b>10</b> km/h <b>SLOW</b>	Site Speed Limit is 10 Kpm.	 <b>DO NOT USE</b> <b>MOBILE PHONES</b> <b>IN OPERATIONAL</b> <b>ZONES</b>	Mobile Phones must not be used in operational areas unless standing stationary in a safe zone.
 <b>FORKLIFTS</b> <b>IN USE</b>	3m separation distance between plant & pedestrians must be maintained at all times.	 <b>SOUND HORN AT</b> <b>BLIND CORNERS</b>	Operators must sound horn at blind corners and doorways.
 <b>WATCH OUT</b> <b>FOR</b> <b>PEDESTRIANS</b>	Operators must look out for pedestrians and fully stop plant or vehicle before allowing pedestrian to approach.	 <b>PEDESTRIANS MUST</b> <b>USE DESIGNATED</b> <b>WALKWAYS</b>	Pedestrians must use designated walkways where available.

## On Arrival

On arrival at an PMH facility, drivers will be required to sign-in via PMH's Site Access System and complete a short site-specific induction. Drivers must await instruction from an PMH representative before proceeding to a loading zone and/or commencing any un/loading.

## Loading & Unloading – Mobile Plant

In partnership with Engistics, PMH have developed a Load & Unload Guide that clearly outlines our requirements for the safe loading and unloading of mobile plant. This includes:

- Mandatory Training for Loaders/Unloaders
  - Load & Unload Mobile Plant; and
  - Excavator Operator Ticket; or
  - PMH authorised Sennebogen Familiarisation Training
- Task planning & Preparation
- Exclusion Zones
- Communication Protocols
- Mobile Plant Access
- Loading & Unloading

All loading & unloading at PMH is documented via Transport Risk Record. Photos of load restraint methods are taken for all loads.

**Refer – Loading & Unloading Guidelines.**

## Load Restraint

All mobile plant, equipment and parts must be restrained in accordance with the NTC Load Restraint Guide 2018.

PMH and Engistics have also developed a certified Load Restraint Guide for our most transported mobile plant. This guide should be used to develop appropriate load restraint methods for each transport activity.

**Refer - Load Restraint Guide.**

## Further Information

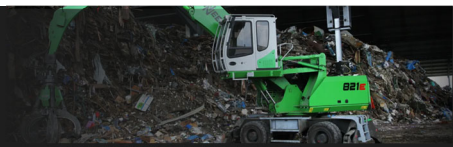
For further information on PMH's transport processes, contact e: [whse@adapталift.com.au](mailto:whse@adapталift.com.au)





# Section 2

## Loading & Unloading Guidelines





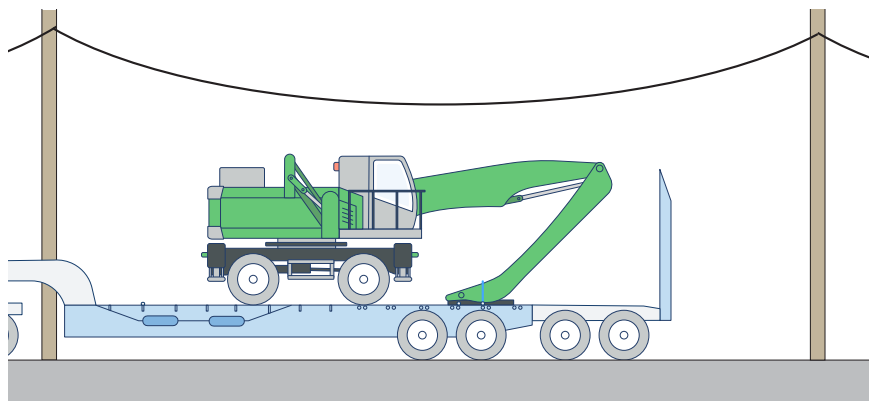
### This guideline:

- Applies to rubber tyred Sennebogen Material Handlers and rubber tyred Sennebogen Telehandlers
- Is a Loading and Unloading Guide to align with the Risk Assessment relating to this activity
- Participants to have the relevant licences and training to operate the Mobile Plant and the Trailer ramps including:
- Load and Unload Mobile Plant Training and Excavator Operator Ticket or, Load and Unload Mobile Plant Training and PMH Authorised Sennebogen Familiarisation Training

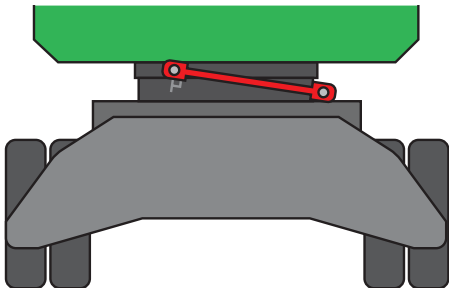
### Planning and Task Preparation

#### ① Establish suitable area and equipment for the Loading or Unloading activity

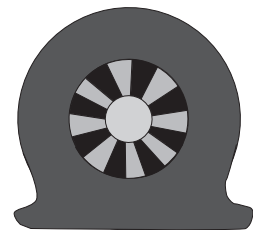
- ✓ Firm compacted or sealed surface for the Low Loader and Mobile Plant travel paths
- ⚠ No loading or unloading on uncompacted soft ground, grassed or loose dirt surfaces are not suitable
- ✓ Gravel surfaces are acceptable and may need timber pads under ramps to maximise ramp stability
- ✓ Cross fall on surface is maximum of 3 degrees
- ✓ Confirm combined capacity rating of the ramps must be equal or more than the machine mass
- ✓ Confirm pre-start check completed on Low Loader, including rear axle tyre pressure is suitable and tyres appear un damaged
- ✓ Confirm Slew lock in place on Sennebogen machine and retaining clip fitted
- ✓ Confirm no overhead power lines or obstructions in proximity to Low Loader



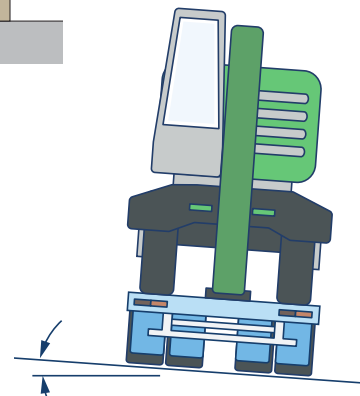
- ⚠ Check for overhead obstructions : minimum 6.4m clearance distance from distribution powerlines



- ✓ Ensure slew lock is in place and secured



- ⚠ Check Low Loader tyres for low pressure



- ✓ Max cross fall for loading of 3 degrees (typical maximum roadway cross fall)



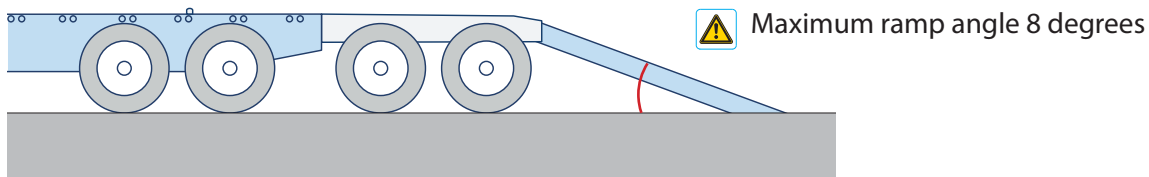
### 2 Establish Communications between people, key considerations are :

- ✓ Two way radios provided to Sennebogen Operator and Observers assisting direction
- ✓ Establish clear instructions, i.e Steer Right, Steer Left
- ✓ Hand Signals to indicate the direction of turn by Observers

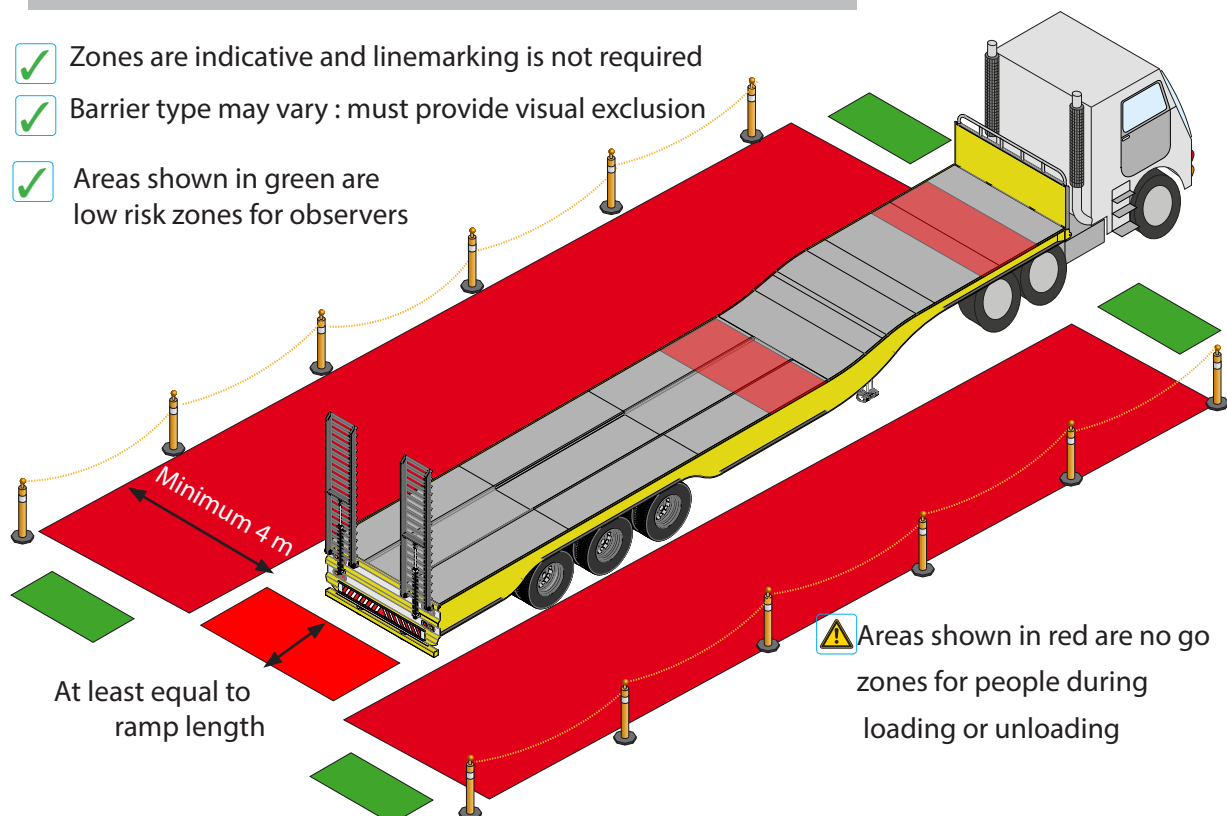


### 3 Establish Loading area and setup Low Loader :

- ✓ Place visual barriers around no go areas for people during Loading or unloading activity
- ✓ Lower suspension of Low Loader where possible
- ⚠ Ensure no person in potential ramp fall area during lowering of ramp



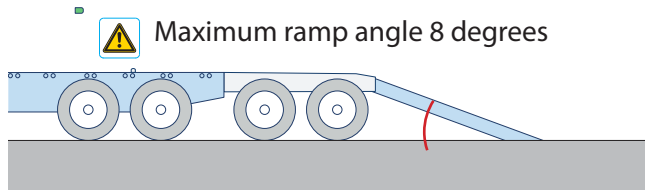
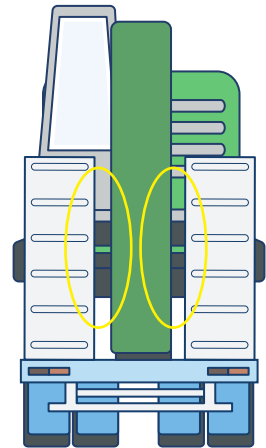
- ✓ Zones are indicative and linemarking is not required
- ✓ Barrier type may vary : must provide visual exclusion
- ✓ Areas shown in green are low risk zones for observers



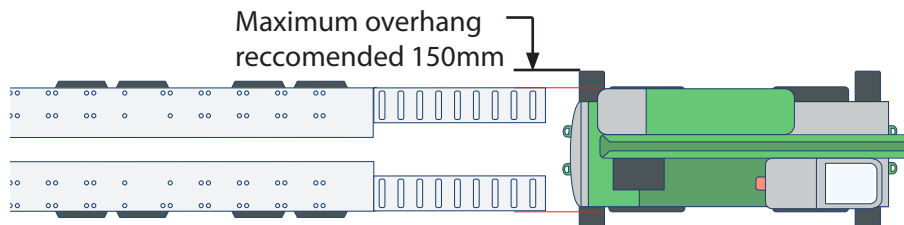


### 4 Establish Loading area and setup Low Loader :

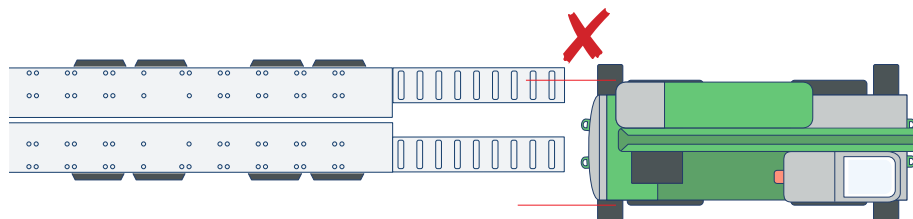
- ✓ Confirm ramp angle is a maximum of 8 degrees
- ✓ Use hardwood timber pads under ramp as needed to minimise ramp angle to max. 8 degrees
- ✓ Maximum packing height under ramps should be 100mm
- ✓ Ensure both ramps are in contact with the ground surface
- ✓ Check ramp spacing matches the wheel track of the Sennebogen machine
- ✓ Align Low Loader deck width to match Sennebogen machine track width
- ⚠ Check ramp spacing allows has clearance for Sennebogen machine Boom



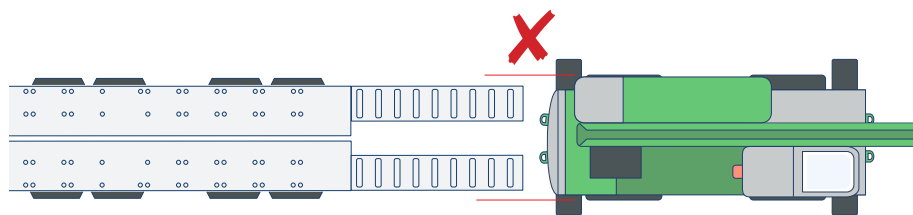
- ✓ Confirm that gap between ramps will allow clearance for Machine Boom



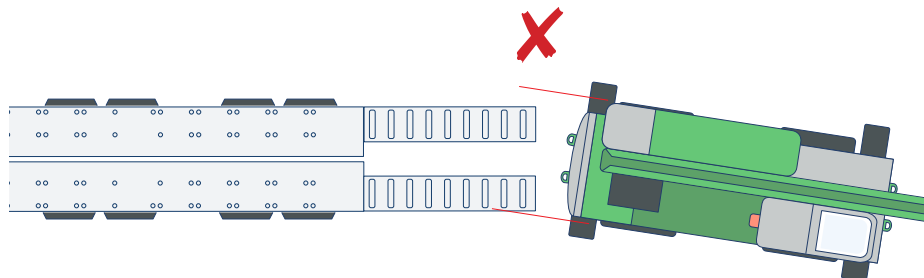
- ✓ Machine wheels align to ramps



- ⚠ Machine wheels offset to ramp



- ⚠ Trailer deck too narrow for machine



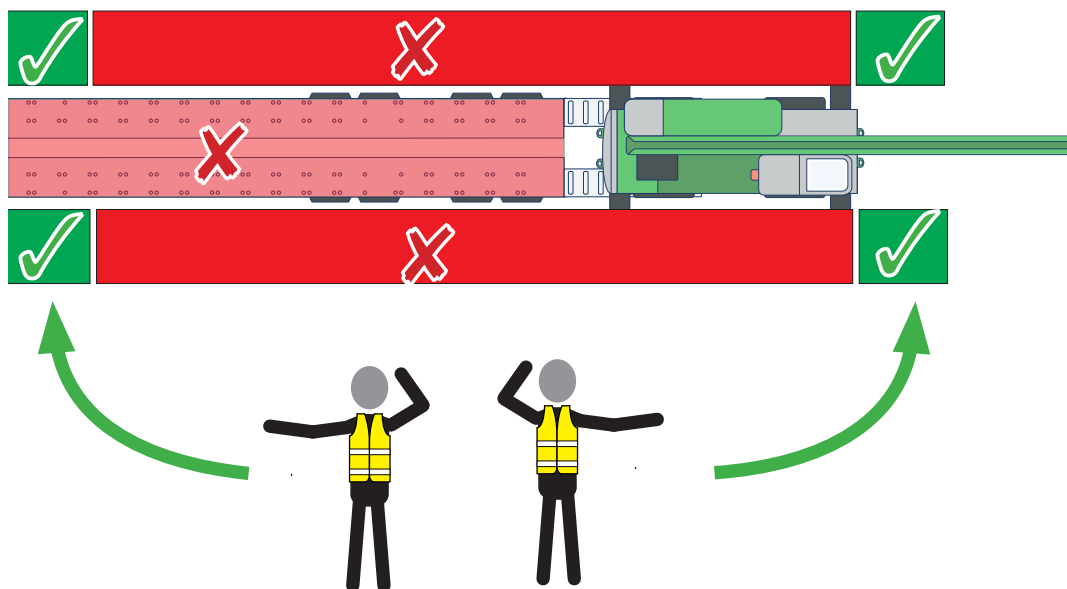
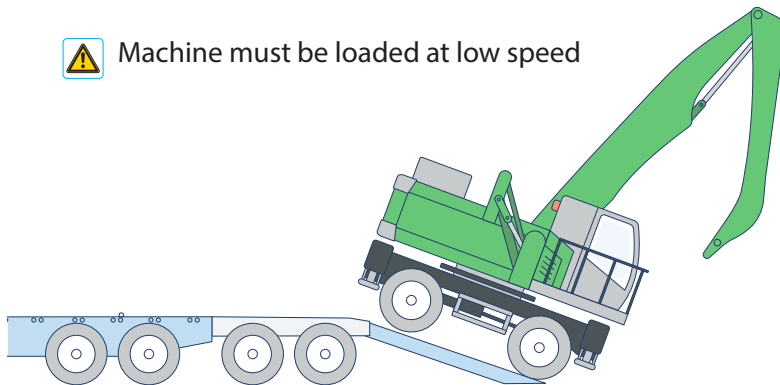
- ⚠ Machine not aligned to ramps



### 5 Loading Sennebogen Machine :

- ✓ Sennebogen operator to access machine cabin and secure seatbelt
- ✓ Place observers in designated zones, do not access low loader deck or side of trailer zone
- ⚠ Align wheels of Sennebogen machine to ramp and Center steering
- ✓ Observer provide clear feedback to Operator on location of wheels on ramps
- ✓ Operator to adjust steering as needed with small adjustments, minimising speed of the machine
- ✓ Operator to check position of wheels with Rearview mirrors as needed
- ✓ Confirm single axle steering activated

⚠ Machine must be loaded at low speed

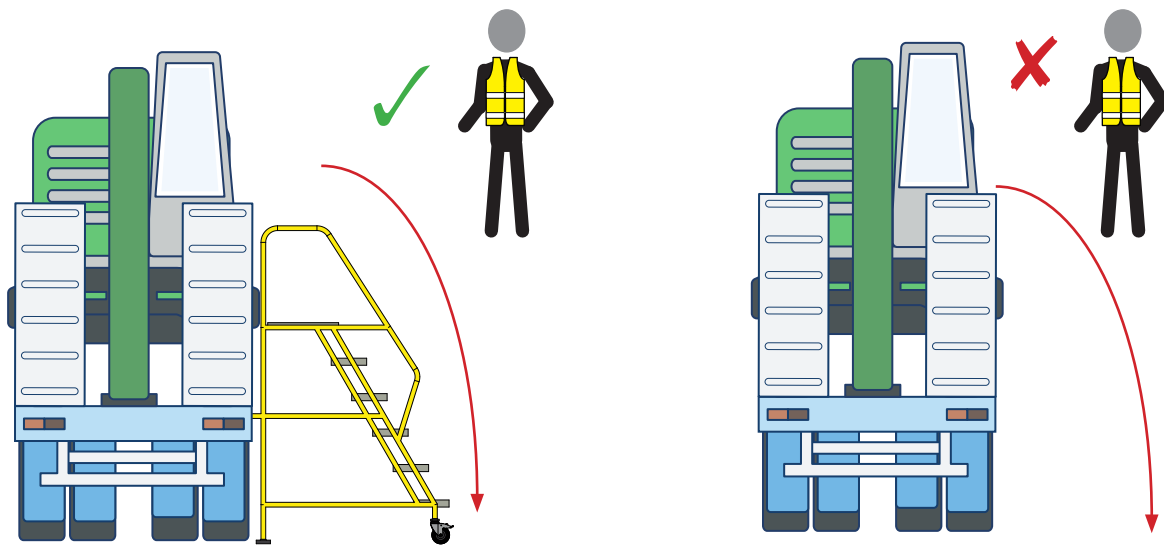


Observer location should be at the ends of the vehicle



### ⑥ Loading Sennebogen : Machine, Isolating and operator egress

- ✓ Sennebogen operator to isolate machine cabin and secure door and any loose objects in the cabin.
- ✓ Exit cabin and use Mobile platform or similar to minimise fall from height risk.
- ⚠ Use 3 points of contact when using appropriate Platform Ladder to reach ground level
- ✓ Do not use steps mounted on Sennebogen machine to reach ground level when machine is on Low Loader



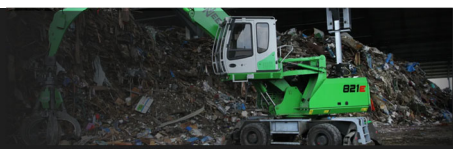
### ⑦ Unloading Sennebogen Machine from Low Loader :

- ✓ Establish unloading zone as indicated in parts 1, 2 and 3
- ✓ Sennebogen operator to access machine cabin using Mobile Platform and secure seatbelt
- ✓ Place observers in designated zones, do not access low loader deck or side of trailer zone
- ✓ Align wheels of Sennebogen machine to top of the ramp and Center steering
- ✓ Observer provide clear feedback to Operator on location of wheels on ramps
- ✓ Operator to adjust steering as needed with small adjustments, minimising speed of the machine
- ✓ Operator to check position of wheels with Rearview mirrors as needed
- ✓ Exit cabin and use Mobile platform or similar to minimise fall from height risk.
- ✓ Use 3 points of contact when using appropriate Platform Ladder to reach ground level
- ✓ Do not use steps mounted on Sennebogen machine to reach ground level when exiting Machine



# Section 3

## Load Restraint Guidelines

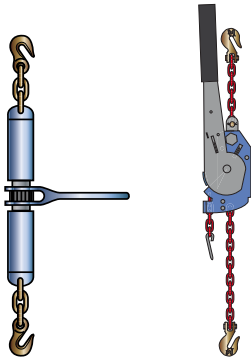




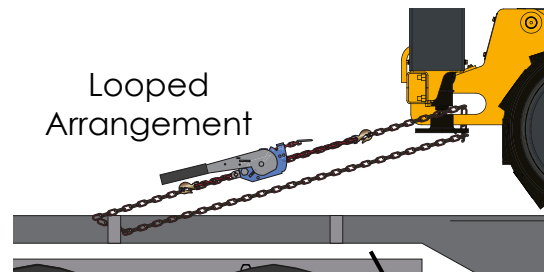
### This guideline:

- Applies to rubber tyred Sennebogen Material Handlers up to 30t, rubber tyred Sennebogen Telehandlers up to 12t and Sennebogen attachments up to 3.5t.
- Is the loader and driver guide to the certification E01711-LRC2 to meet the loading *Performance Standards* contained within the *Heavy Vehicle (Mass, Dimension and Loading) National Regulation* (22 February 2021).

### Key Elements

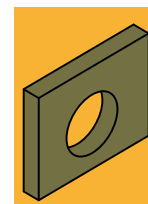
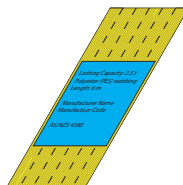


- ✓ Ausbinders, turnbuckle ratchets or similar are acceptable load binders.



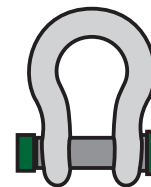
- ✓ Lashings are to be installed in a looped arrangement.

- ✓ Minimum 50 mm Webbing lashing tensioned tight by standard tensioner.



- ✓ Attach chains to designated anchor points.

- ✓ Ensure locking pins are installed to prevent any movement during transport.



- ✓ Lashing protection may be required to prevent damage to the plant when using chain.

- ✓ If using shackles they must have a minimum W.L.L of 9.5 t.



### Sennebogen Material Handlers

- ✓ Maximum mass of up to 30,000kg.
- ✓ Includes Sennebogen models 718E to 830E, 718 to 830 and similar.
- ✓ Plant must have rubber tyres.
- ✓ Minimum 10mm transport chains tensioned tight with a load binder.
- ✓ Plant must be reversed onto the trailer.



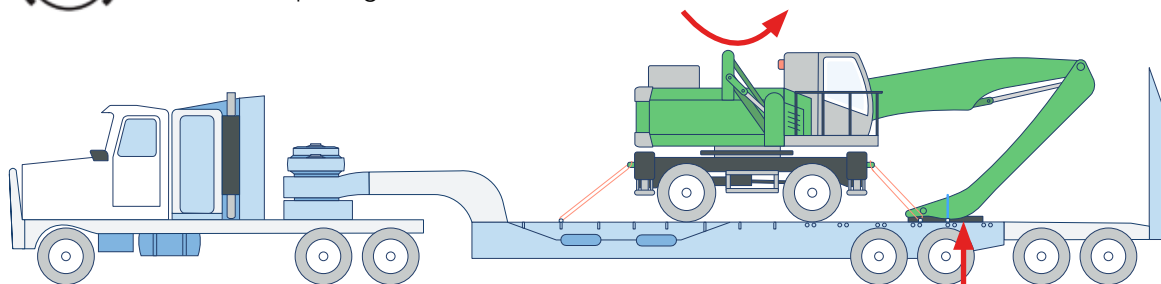
- ✓ Looped chain arrangement.



Ensure the mobile plant park brake is engaged before transporting.



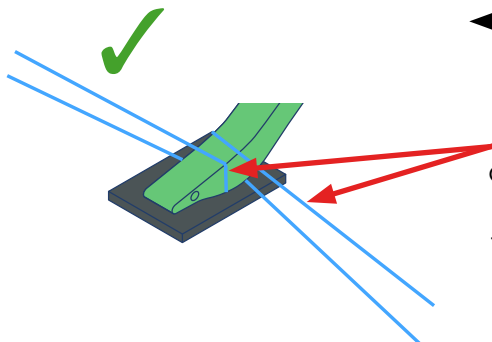
Ensure the mobile plant slew ring and boom lockouts are engaged before transporting.



Forwards

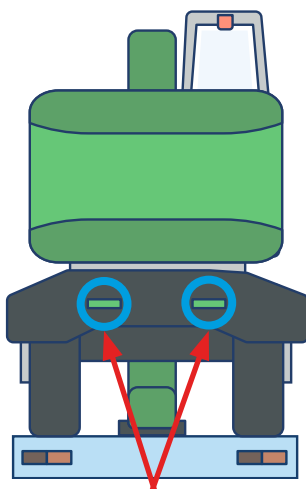
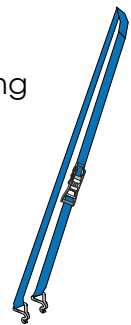


Place industrial rubber between the trailer deck and plant boom.

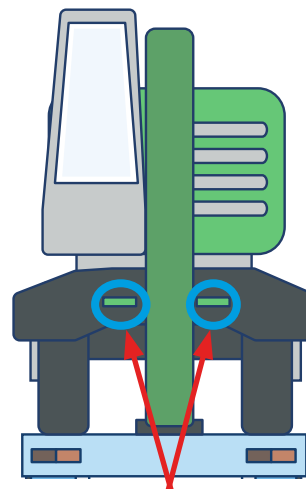


Loop two webbing straps around the boom with one pulling to left and one to the right.

- ✓ Looped webbing arrangement.



- ✓ Attach chains 1 & 2 to the dedicated rear lashing points.



- ✓ Attach chains 3, 4, 5 & 6 to the dedicated front lashing points.



- ✓ Ensure chains are within the outlined ranges below:

Forwards

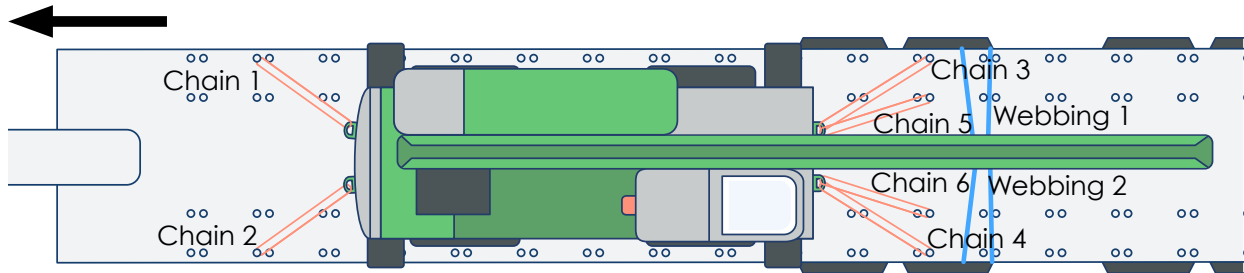
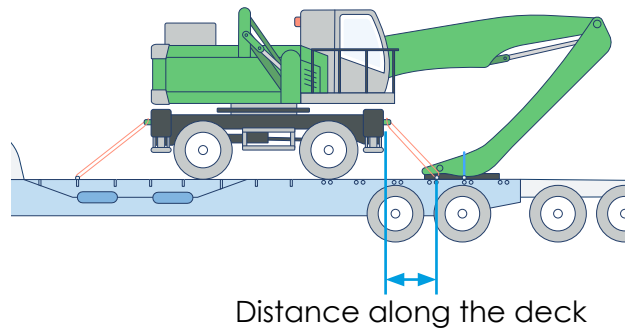
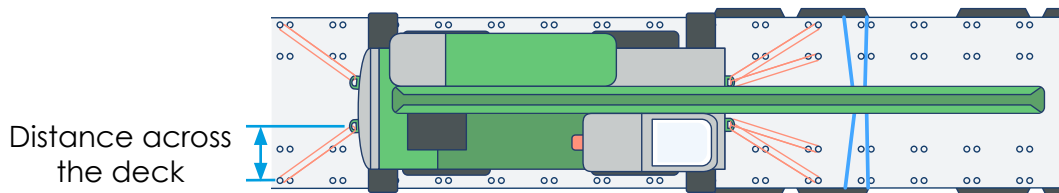


Table A: Chain distances for Sennebogen Material Handlers

<b>Chain Number</b>	<b>Distance Along the Deck (mm)</b>	<b>Distance Across the Deck (mm)</b>
<b>1</b>	<b>1100-2000</b>	<b>600-750</b>
<b>2</b>	<b>1100-2000</b>	<b>600-750</b>
<b>3</b>	<b>1100-2000</b>	<b>600-750</b>
<b>4</b>	<b>1100-2000</b>	<b>600-750</b>
<b>5</b>	<b>1100-2000</b>	<b>0-150</b>
<b>6</b>	<b>1100-2000</b>	<b>0-150</b>



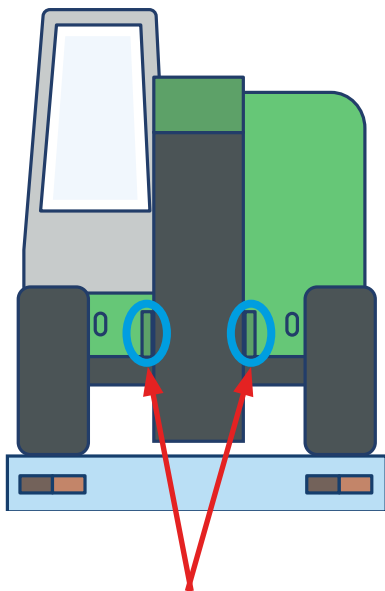
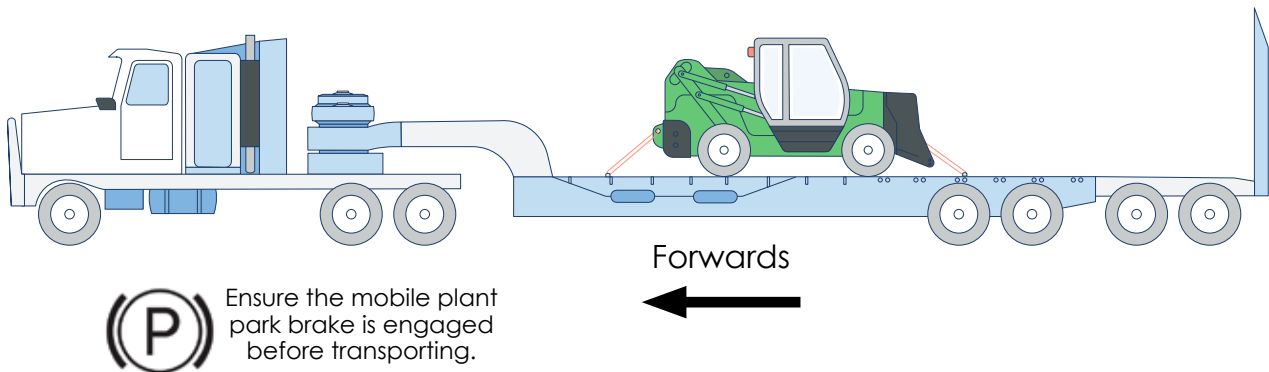


## Sennebogen 355 Telehandler

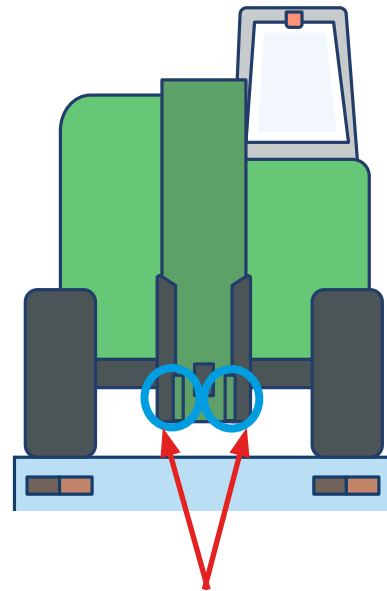
- ✓ Applies to Sennebogen 355 telehandlers with a maximum mass of up to 12,000kg.
- ✓ Plant must have rubber tyres.
- ✓ Minimum 8mm transport chains tensioned tight with a load binder.
- ✓ Plant must be reversed onto the trailer.



- ✓ Looped chain arrangement.



- ✓ Attach chains 1 & 2 to the dedicated rear lashing points.



- ✓ Attach chains 3 & 4 to the dedicated front lashing points.



- ✓ Ensure chains are within the outlined ranges below:

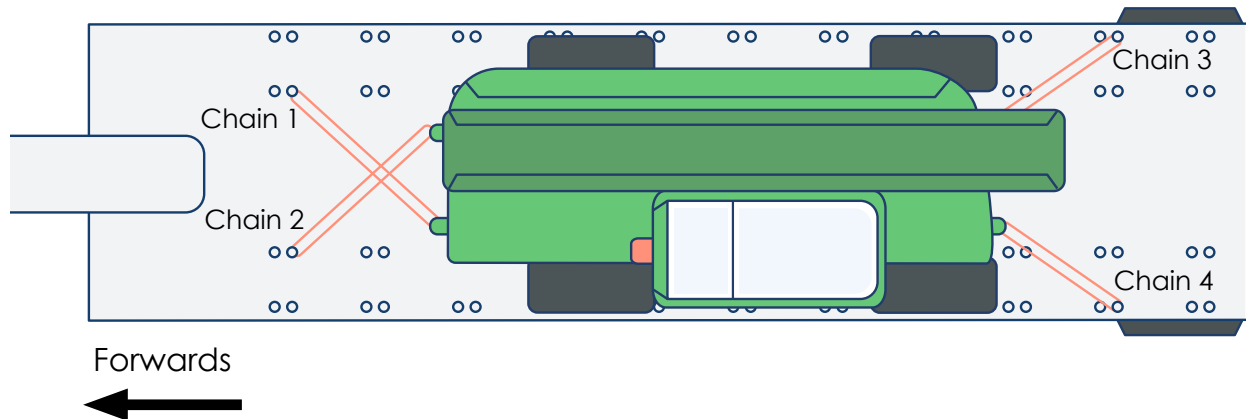
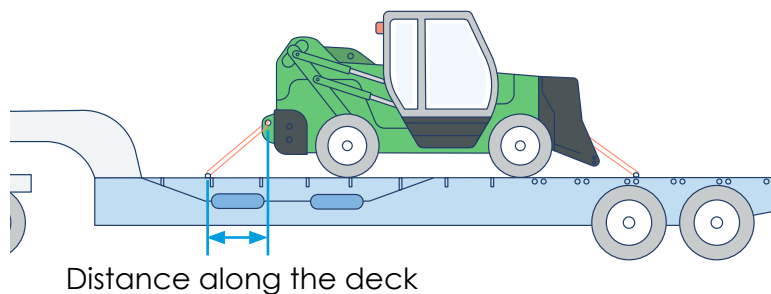
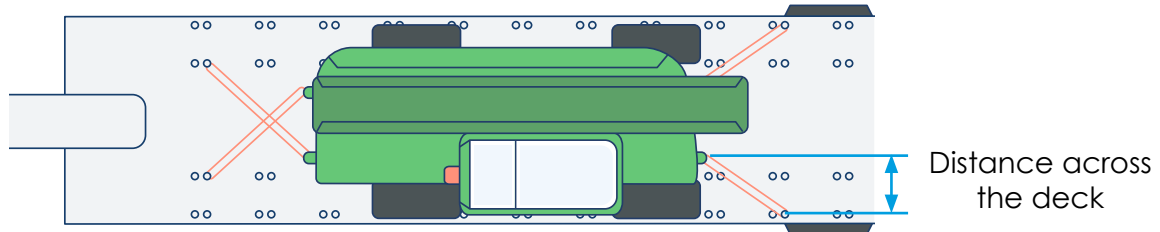


Table B: Chain distances for Sennebogen 355

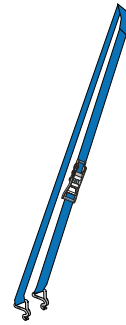
<b>Chain Number</b>	<b>Distance Along the Deck (mm)</b>	<b>Distance Across the Deck (mm)</b>
<b>1</b>	<b>1100-2000</b>	<b>850-1000</b>
<b>2</b>	<b>1100-2000</b>	<b>850-1000</b>
<b>3</b>	<b>1100-2000</b>	<b>600-750</b>
<b>4</b>	<b>1100-2000</b>	<b>600-750</b>





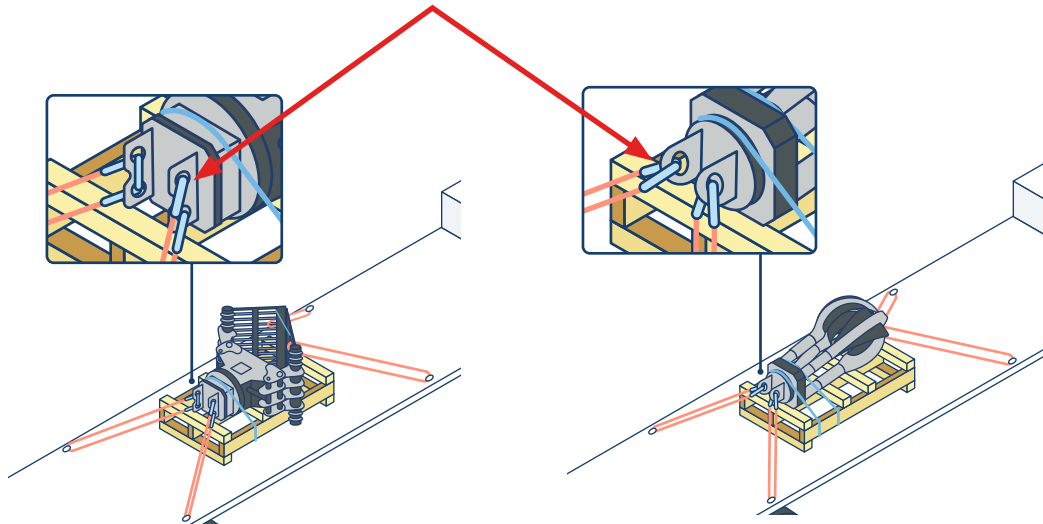
## Attachments

- ✓ Applies to Sennebogen orange peel and sorting grab attachments with a maximum mass of up to 3,000kg.
- ✓ Attachments must be transported on hardwood skids or pallets.
- ✓ Minimum 50 mm webbing straps tensioned tight.



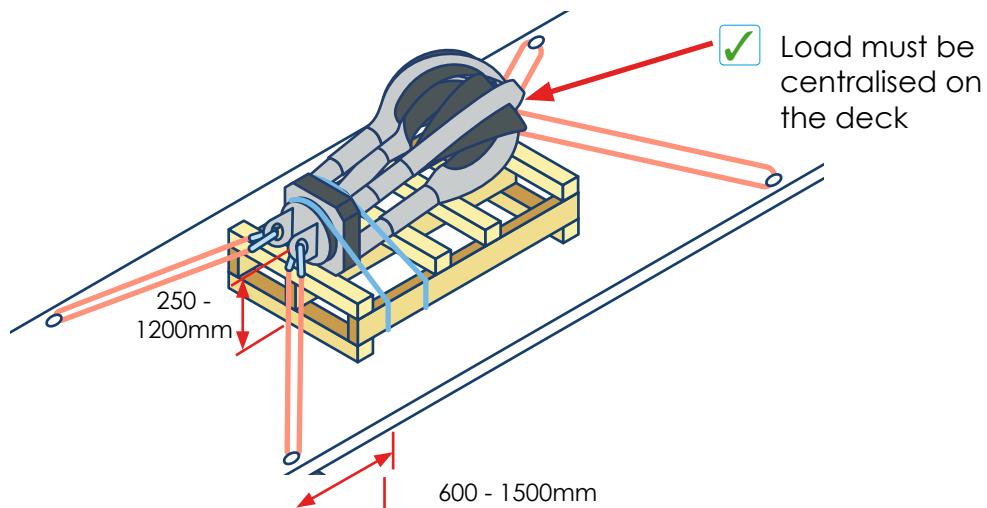
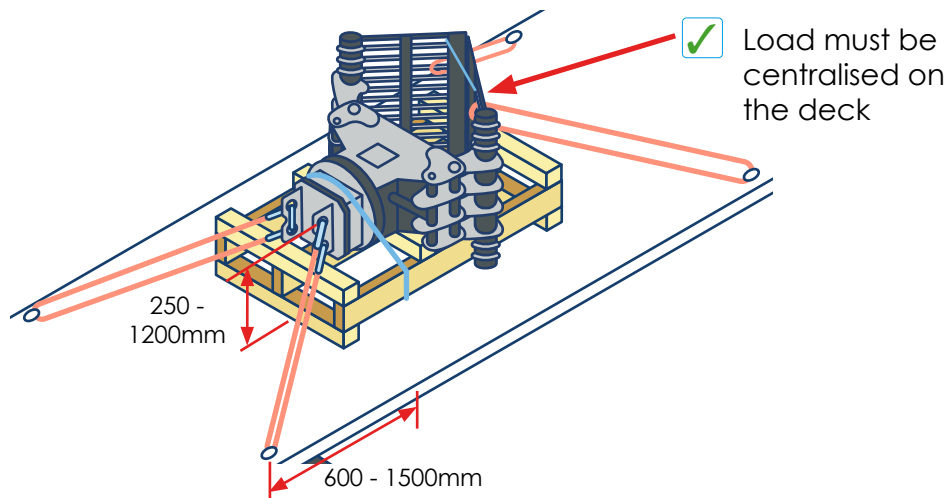
- ✓ Looped webbing arrangement.

- ✓ Use heavy webbing protection sleeves to protect webbing strap from abrasion . Examples include Secutex Cut Protection Sleeve, Lift-All Edge Defender, etc. Standard wear sleeves unlikely to be suitable.





- ✓ Use four looped webbing straps within the outlined ranges below to secure the attachments:

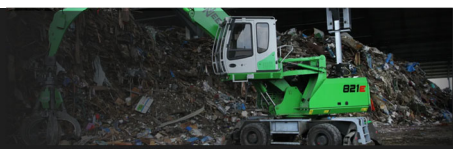


This document provides the practical information and key methods for securing the nominated freight type(s) to the relevant certification. Engistics has developed this guideline to comply with the relevant standards and legislation. Additional requirements may be necessary under some conditions outside the nominated application of this guideline and Engistics and provides no warranty for circumstances outside the nominated application. The information contained in this guideline is confidential to and remains the property of Engistics Pty Ltd for use by Pacific Materials Handling Pty Ltd. Any changes to this guideline must be approved by Engistics. Further details are available on the accompanying Certification to this Guideline.



# Section 4

## Traffic Management Plans



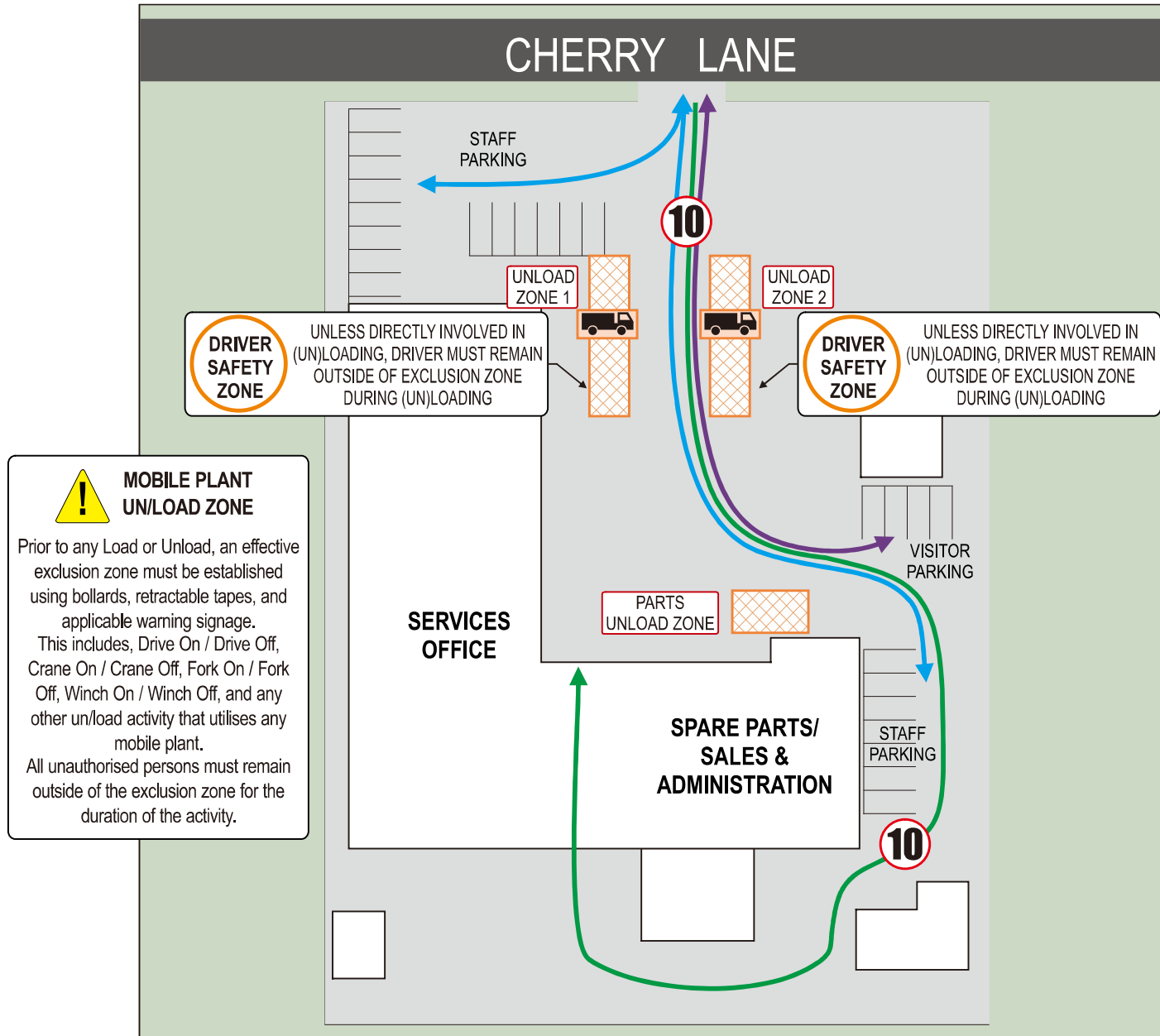


# TRAFFIC MANAGEMENT PLAN



## LAVERTON NORTH

25-31 Cherry Lane,  
Laverton North VIC 3026



### LEGEND

- PARTS & CUSTOMER TRAFFIC FLOW
- TRAILER TRAFFIC TO SERVICE PITS
- STAFF VEHICLE FLOW
- LOADING/ UNLOADING ZONE
- SITE SPEED LIMIT (KMS/HR)

### THIS PROTECTIVE EQUIPMENT MUST BE WORN IN OPERATIONAL AREAS



### CAUTION



ALL VISITORS & CONTRACTORS  
MUST REPORT TO THE OFFICE

**STRICTLY NO REVERSING  
VEHICLES IN OR OUT OF THE SITE**

REPORT ALL HAZARDS & INCIDENTS

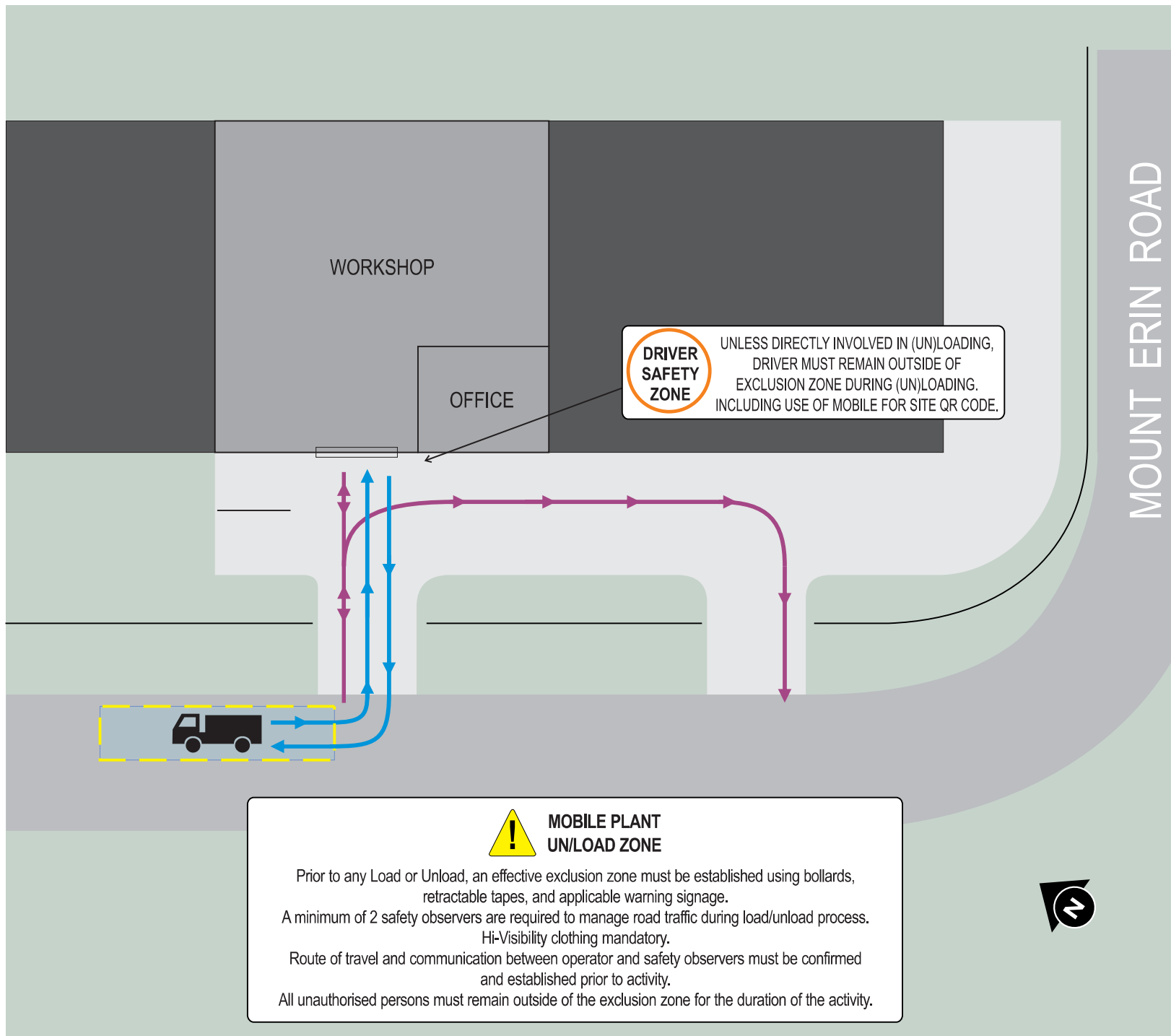




# TRAFFIC MANAGEMENT PLAN



UNIT 3, 16-18 MOUNT ERIN ROAD  
CAMPBELLTOWN NSW 2560



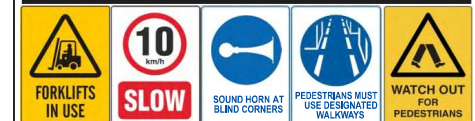
## LEGEND

- MACHINERY MOVEMENT
- CUSTOMER & STAFF TRAFFIC
- TEMPORARY LOADING/ UNLOADING ZONE
- SITE SPEED LIMIT (KMS/HR)

## THIS PROTECTIVE EQUIPMENT MUST BE WORN IN OPERATIONAL AREAS



## CAUTION



ALL VISITORS & CONTRACTORS  
MUST REPORT TO THE OFFICE

**STRICTLY NO REVERSING  
VEHICLES IN OR OUT OF THE SITE**

REPORT ALL HAZARDS & INCIDENTS



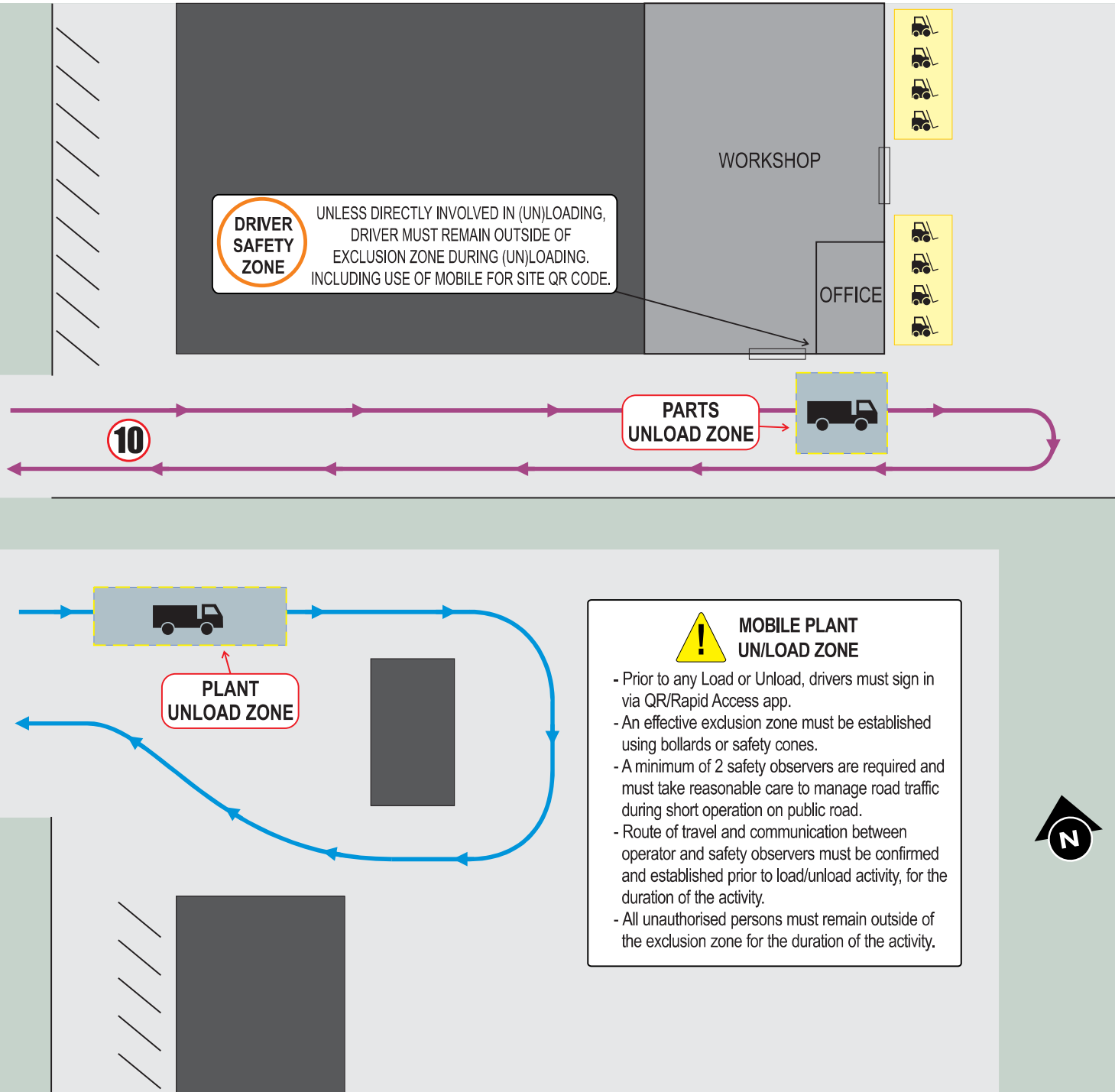
# TRAFFIC MANAGEMENT PLAN



## ARCHERFIELD

94 Boniface Street,  
Archerfield QLD 4108

BONIFACE STREET



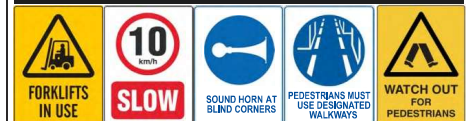
### LEGEND

- TRANSPORT TRAFFIC
- SERVICE VEHICLE & VISITOR TRAFFIC
- TEMPORARY LOADING/ UNLOADING ZONE
- MACHINE STORAGE
- SITE SPEED LIMIT (KMS/HR)

### THIS PROTECTIVE EQUIPMENT MUST BE WORN IN OPERATIONAL AREAS



### CAUTION



ALL VISITORS & CONTRACTORS  
MUST REPORT TO THE OFFICE

**BEWARE OF ENTERING TRAFFIC  
SHARED DRIVEWAY**

REPORT ALL HAZARDS & INCIDENTS



# TRAFFIC MANAGEMENT PLAN



## WELSHPOOL

5/1-9 KURNALL ROAD,  
WELSHPOOL WA 6106

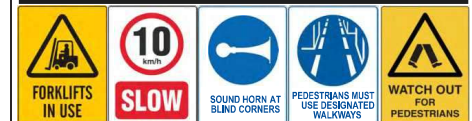
### LEGEND

- TRANSPORT TRAFFIC
- CUSTOMER & VISITOR TRAFFIC
- PEDESTRIAN CROSSING
- BOOM GATES
- LOADING/ UNLOADING ZONE
- FORKLIFT STORAGE
- SITE SPEED LIMIT (KMS/HR)

### THIS PROTECTIVE EQUIPMENT MUST BE WORN IN OPERATIONAL AREAS



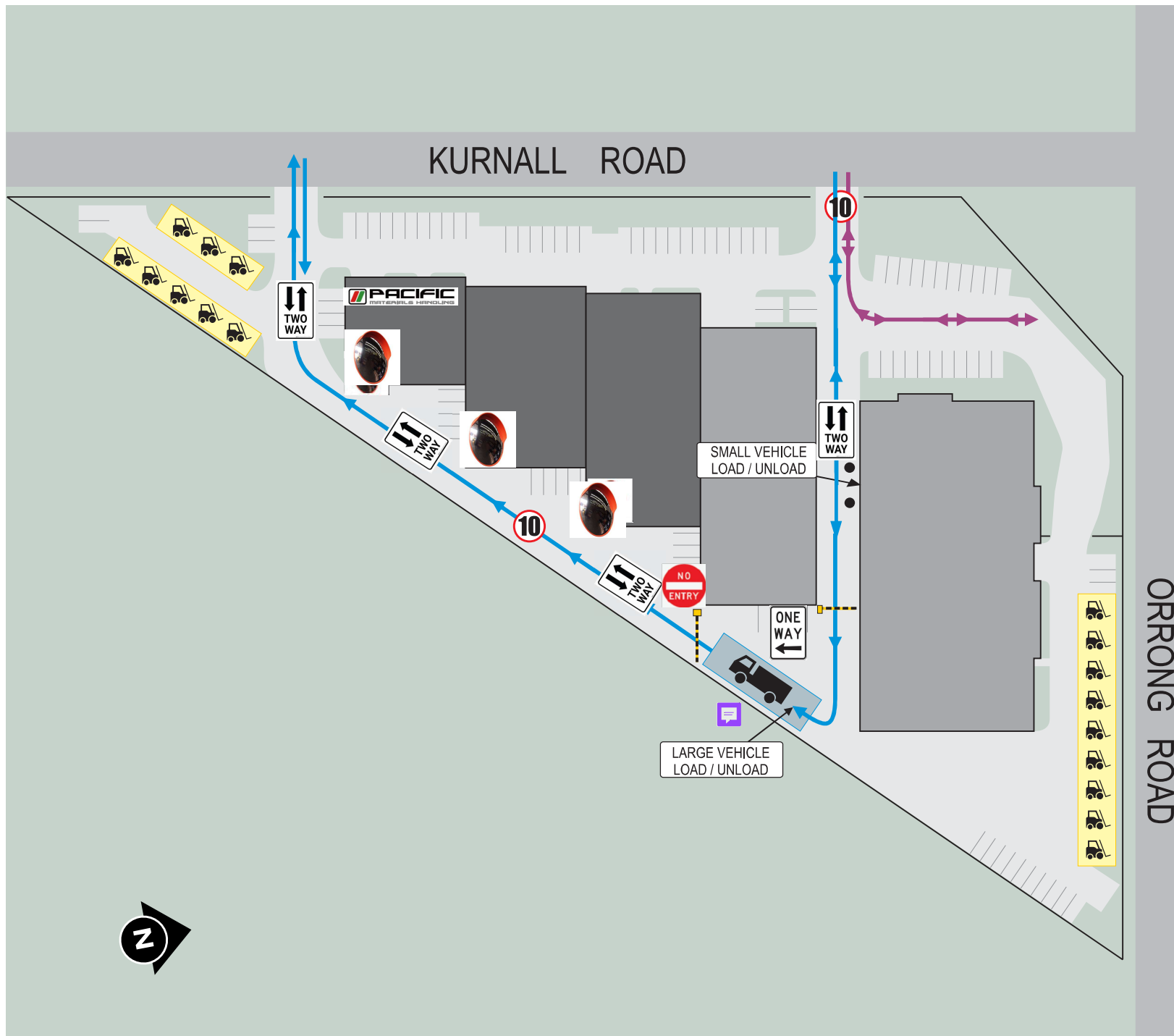
### CAUTION



ALL VISITORS & CONTRACTORS  
MUST REPORT TO THE OFFICE

**STRICTLY NO REVERSING  
VEHICLES IN OR OUT OF THE SITE**

REPORT ALL HAZARDS & INCIDENTS





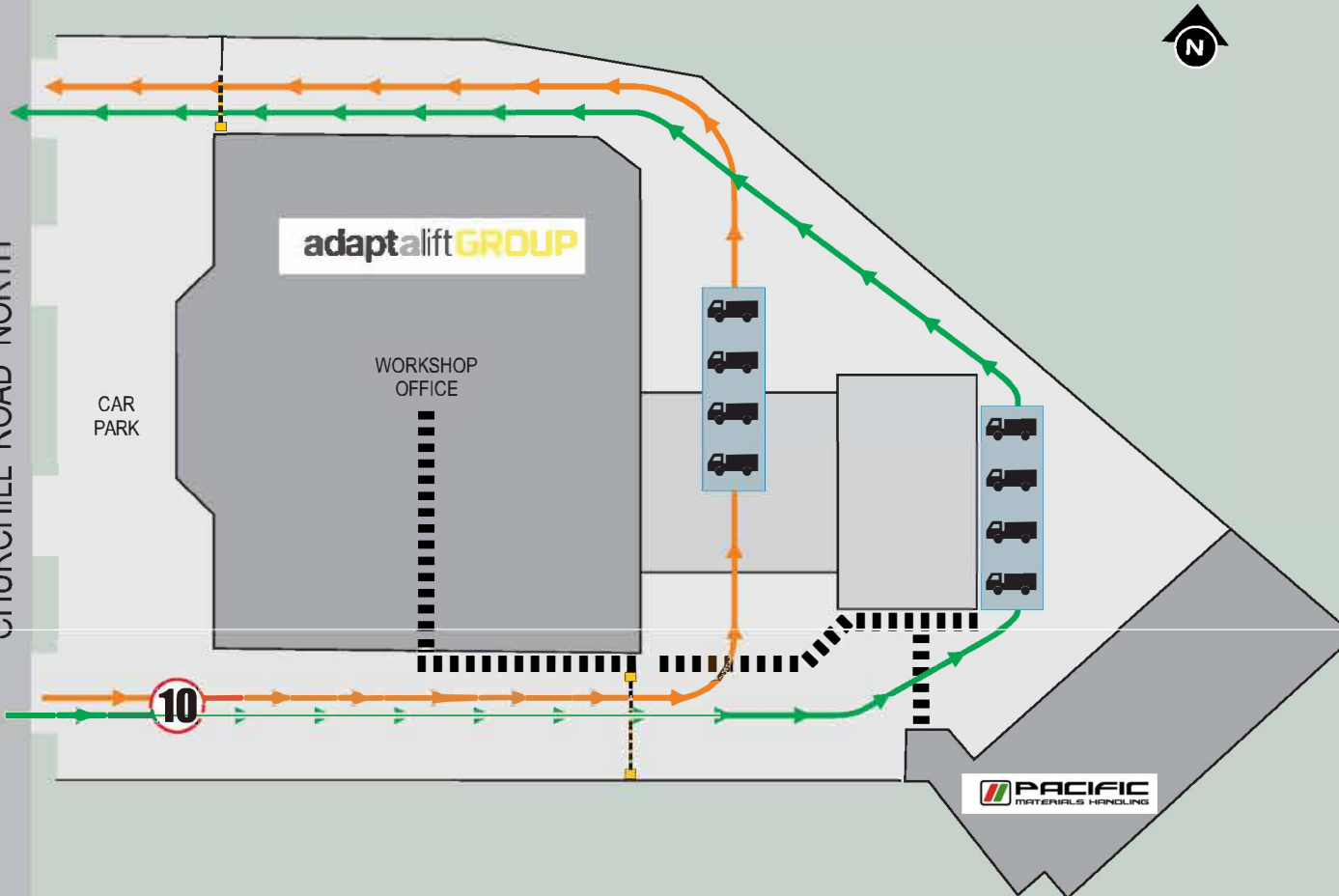
# TRAFFIC MANAGEMENT PLAN



## DRY CREEK

18-22 CHURCHILL ROAD NORTH  
DRY CREEK SA 5094

CHURCHILL ROAD NORTH



### LEGEND

- TILT TRAY & PARTS
- SEMI TRAILER & FLOATS
- PEDESTRIAN CROSSING
- BOOM GATES
- LOADING/ UNLOADING ZONE
- SITE SPEED LIMIT (Km/h)

### THIS PROTECTIVE EQUIPMENT MUST BE WORN IN OPERATIONAL AREAS



### CAUTION



ALL VISITORS & CONTRACTORS  
MUST REPORT TO THE OFFICE

**STRICTLY NO REVERSING  
VEHICLES IN OR OUT OF THE SITE**

REPORT ALL HAZARDS & INCIDENTS