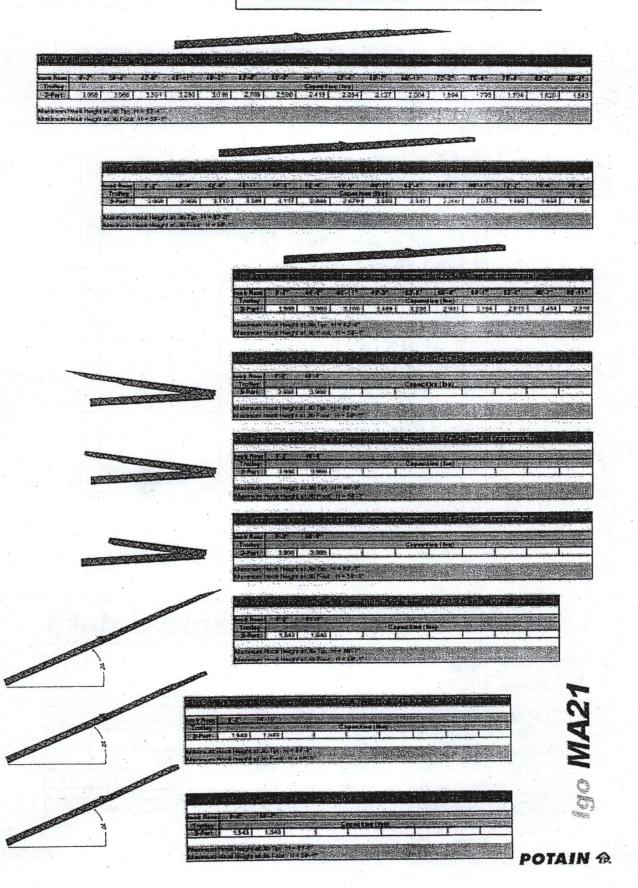
### **Section 2**

## Staging, Equipment Analysis and Traffic Control

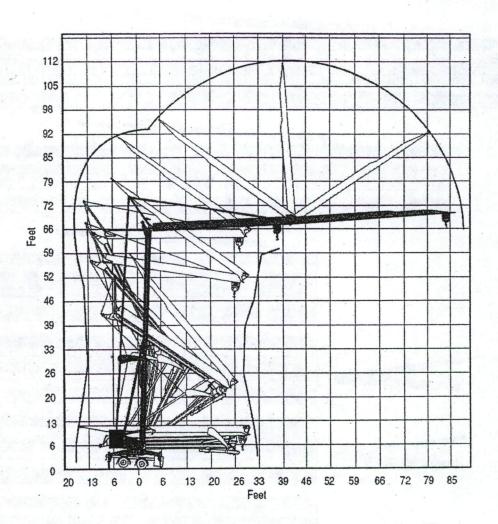
#### **EXHIBIT 2.1.B**

Framing Crane Specifications (5 pages)

# rated load charts



## outline dimensions



## mechanical data

## Igo MA21

	11 411			2-part			
Function Hoist	Hoist Type	Speed vs	1st Gear	2nd Gear	3rd Gear	Motor (hp)	Motor (kW)
Hoist B LVF-9 Optime	220 V 28 A	tvmin lbs	7 11 L 11 3,968	† 23   52 3,968	† 59   118 1,543	3.9	2.9
	220 V	tt/min lbs	111 111	1 36 1 52 3,968	1 82 ↓ 118 1.543	6.1	4.6
	480 V	tVmin the	3,968	52 3,968	118 1,543	8.9	6.6
Trotton	FAZT DESCRIPTION	Essit/min	46 to 118 (1.543 lbs) & 46 to 92 (3.968 lbs)			1.8	1.3
Swing RV	F20	nom	1.0			1.8	1.3

Power Requirements: 220 V (+6% or -10%) 60 Hz measured at turn table.

Amperage 2.9 kW: 26 Amp (single phase)

Amperage 4.6 kW: 41 Amp (single phase)

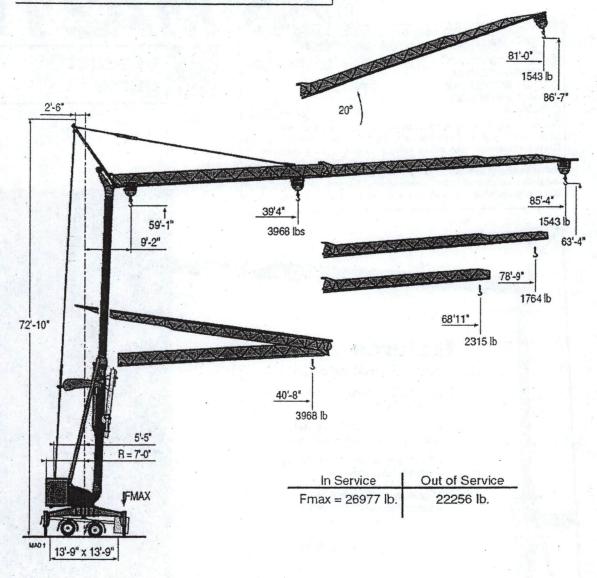
Power Requirements: 480 V (+6% or -10%) 60 Hz measured at turn table.

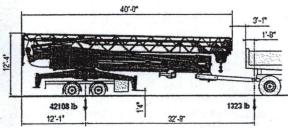
Amperage 8 LVF 9: 17 Amp (3 phase service with ground)

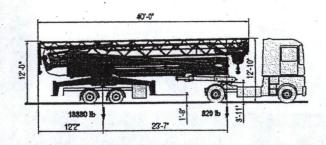


POTAIN &

# outline dimensions







MA21

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## POTAIN &

# MA21

product guide

#### VAN TILBURG, BANVARD & SODER ARCHITECTURE . PLANNING . LIRBAN

MO EXCEPTIONS TAKEN

O FURNISH AS CORRECTED

SUBMIT SPECIFIED ITEM CHAEVISE AND RESUBART

O REJECTED

8.0.0 6 100.00

Review is only for general conformance with the design project and general compliance with the information include Contract Documents. Any shown action is subject to the requithe drawings and specifications. Contractor is responsible for correlated confirming dimensions at the job site; choice of tebrication preci and techniques of construction; coordination of this work with that of other trades and performing the work in a sale and satisfactory memors.

#### features

- 3,968 lb. maximum capacity
- 85'-4" maximum operating hook radius
- 86'-7" maximum hook height with jib set at 20 degrees
- 63'-4" maximum hook height with jib horizontal
- Manitowoc Crane Care comprehensive Support

Submittal No.:

061-06100-00

#### SUBMITTAL REVIEW

This submittel has been reviewed for general conformance with the design concept of the project and in compliance with the contract plans and specifications.

BENCHMARK CONTRACTORS, INC.

Date:

JUL 0 3 2007

Job No: \_

06601

Subcon

Conforms to **ANSI B 30.5** 

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Outline Dimensions

Rated Load Charts Mechanical Data

CraneCare

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anifowoc

## **CraneCARE**

CraneCARE is Manitowoc's complete service and support program. Incorporated into this program are service training, immediate parts availability, professional field service, and technical support and documentation.

CraneCARE is available for every one of the thousands of cranes operating all over the world.

That's dedication and devotion that you won't get anywhere else.

That's CraneCARE.

#### Service Training

A certified Manitowoc service specialist works with you in your training facility or in the field to ensure that you know how to achieve maximum performance, dependability, and years from your cranes.

A reputable Manitowoc Service technician comes to you to provide valuable training to all distributors on the crane's LMI system.

#### Parts Availability

Genuine Manitowoc replacement parts may be obtained through your MCG distributor on a regular basis.

#### **Field Service**

Factory-trained service experts are always ready to help maintain your crane's peak performance.

For a worldwide listing of dealer locations, please consult our website at: www.manitowoccranes.com.

#### **Technical Support**

Manitowoc's dealer network and factory personnel are available 24 hours a day, 7 days a week, 365 days a year to answer your technical questions and more.

For a worldwide listing of dealer locations, please consult our website at: www.manitowoccranes.com.

#### **Technical Documentation**

Manitowoc boasts an extensive, easy-tounderstand library of documentation.

A complete set of Operator's parts and service manuals are included with each crane.

Additional copies are available through your Authorized Manitowoc Distributor.

