INSPECTION ONLY

This Inspection Manual is to serve as a guide to help state inspectors in their examination of equipment manufactured by Majestic Manufacturing Inc. The following Majestic Scooters® are included in this manual:

TM-900, TM-1280, TM-1400, TM-1800 Standard, TM-1800 Euro, TM-2000, TM-2100, TM-2400 and TM-2700.

Regarding the visual examination of Majestic Scooters®, it is recommended that the individual performing the inspection be a competent, qualified mechanic capable of understanding:

a.) The function of Majestic Scooter® parts
b.) The proper installation of the ride
c.) An understanding of the provided service manual

He / She must also have knowledge in:

a.) Structural steel and aluminum weldments.
b.) Electrical AC and D.C. currents with a general knowledge of The equipment through the study of this manual and direct contact with the factory.

NOTE: Persons not familiar with any of these rides should contact the factory for assistance.

Home **Table of Contents**

Table of Contents (CD-Rom)

List of Figure and Drawings

Table of Contents

SECTION 1

ELECTRICAL

ELECTRICAL WIRING AND ELECTRICAL COMPONENTS

A. Recommended visual inspection of all electrical panels, covers, fixtures, plugs and electrical cables.

B. Proper isolation is obtained between the floor and ceiling.

AREAS OF PARTICULAR IMPORTANCE

1. Connected to the proper voltage requirement.

2. Keep all electrical covers in place and all safety devices operating properly.

3. Proper grounding.

4. Meter inspection, done by authorized personnel, to insure the proper isolation between the floor and the ceiling.

5. Scenery should be detached from posts. No objects should be hanging from the top of the ride, the scenery or the rafters.

6. Sufficient electrical voltage is supplied to operate the scooter.

7. Check for exposed or bare wires, loose fixtures, and broken covers. Make sure wires are not exposed on plugs and that plugs are not hot or melted.

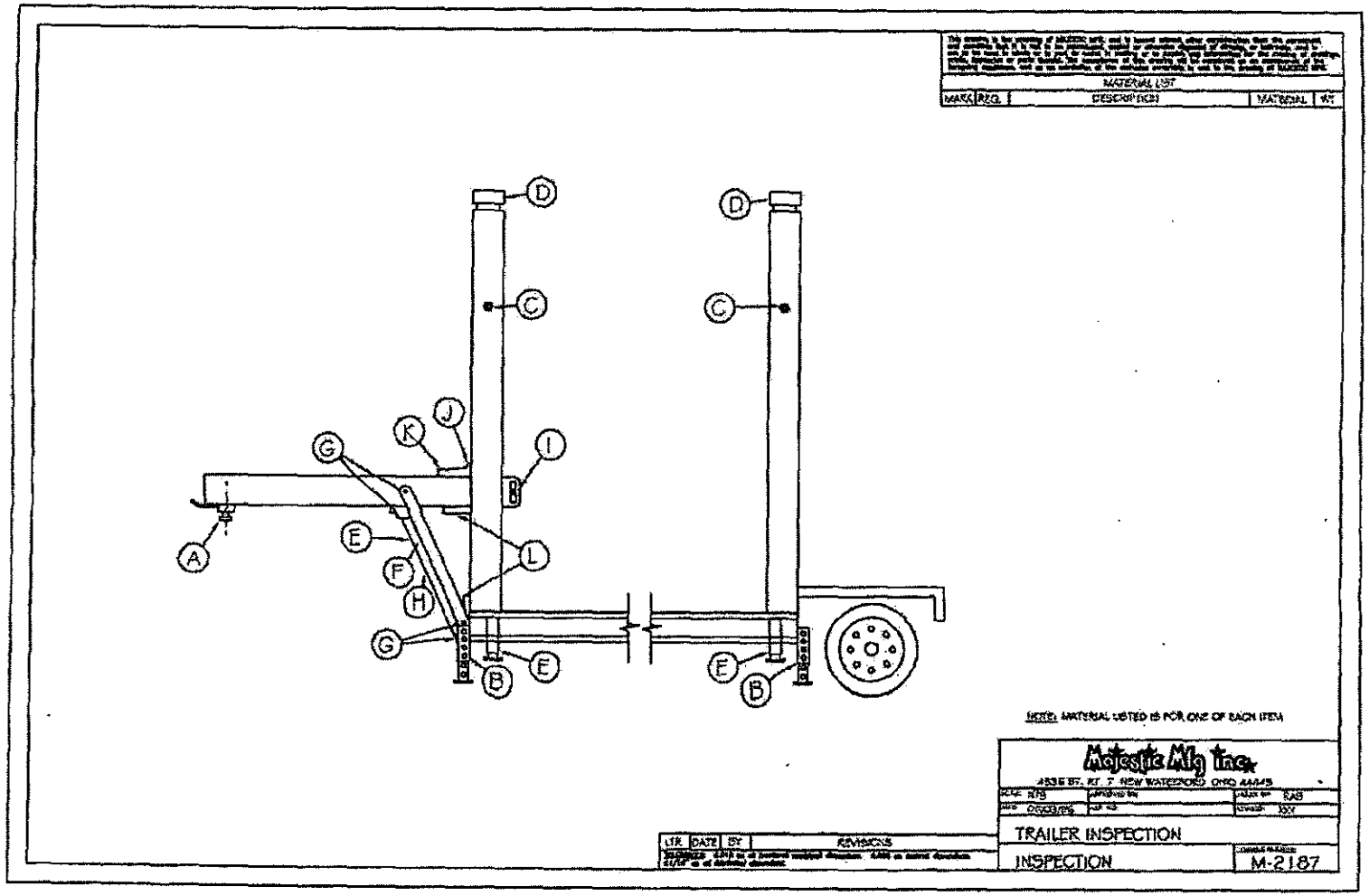
SECTION 2

TRAILER MOUNTED SCOOTER TRAILER

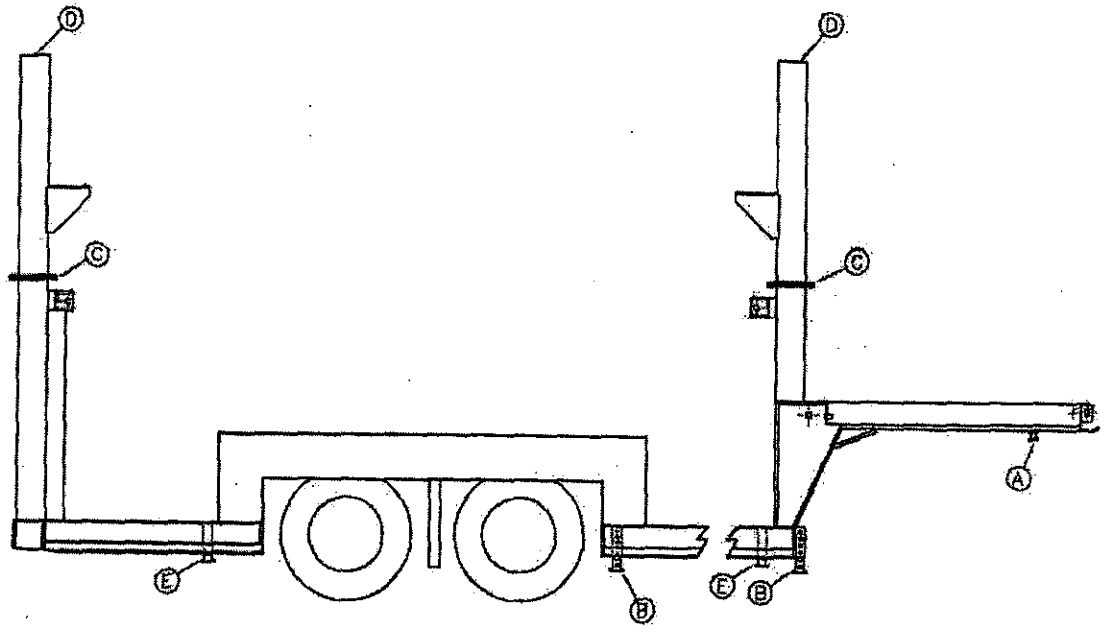
(Ref. DWG. M-2187 & M-2257, page 6-7)

INSPECTION LOCATION	INSPECT FOR	
A. Gooseneck King Pin	Secure mounting, inspect for broken welds	Visual
B. Mechanical Jacks	Worn holes for adjustable pin, broken welds or worn threads	Visual
C. 1" and 1 ¼" Post Nuts	Broken welds, worn threads	Visual
D. Main Post Insulators	1. Sufficient clearance between steel post and aluminum cap. 2. Insulators are secure in posts.	Visual
E. Hydraulic Cylinders	Worn cylinder rods and leakage, worn hydraulic lines	Visual
*F. Gooseneck Pivot Arms	Free from broken welds, end caps in place	Visual
*G. Gooseneck Pivot Point	Broken welds, excessive wear	Visual
*H. Gooseneck Folding Plate	Broken welds, excessive wear on pipe ends	Visual
*I. Safety Bar	Functional and with the ride	Visual
*J. Drive Pins	Functional and with the ride	Visual
*K. Weldment for Drive Pins	Broken welds, excessive wear on holes	Visual
*L. Gooseneck Stabilizer	Broken welds on attachment pins, stabilizer is functional	Visual

NOTE: Items with * are relevant to the TM-1400 & TM-1800 Standard Scooters Only.



Revised 01/06/03



Majestic Mfg Inc.
4536 ST. RT. 7 NEW WATERFORD OHIO 44445

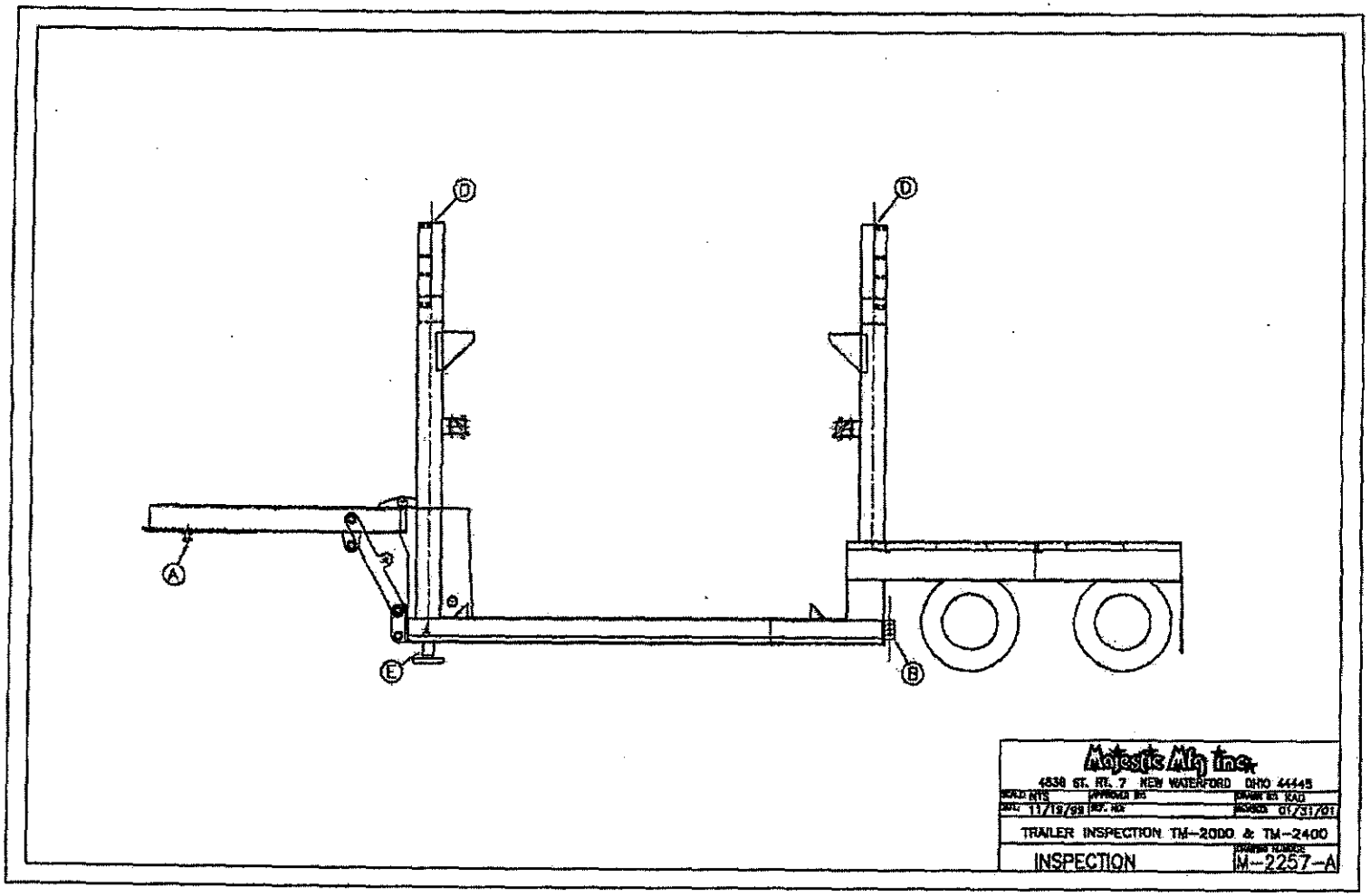
SCALE NTS	APPROVED BY	DRAWN BY RAS/RAD
DATE 11/18/98	REV. NO.	REVISED XXX

TRAILER INSPECTION TM-2000 & TM-2400

INSPECTION

DRAWING NUMBER M-2257

Revised 01/06/03



Majestic Mfg Inc.
4538 ST. RT. 7 NEW WATERFORD OHIO 44445

SCALE: NTS	APPROVED BY:	DRAWN BY: KAD
DATE: 11/19/99	REV. NO:	REVISED: 01/31/01

TRAILER INSPECTION TM-2000 & TM-2400

INSPECTION

DRAWING NUMBER: M-2257-A

Revised 01/06/03

SECTION 3

BLOCKING (Ref. DWG's. - page 9-17)

Proper blocking of the ride is very important. Good blocking and stability is vital to a safe operation.

Listed below are:

A. Total quantity of blocking points per unit:

TM-900	Qty. 28
TM-1280	Qty. 46
TM-1400	Qty. 38
TM-1800 Standard	Qty. 48
TM-1800 Euro	Qty. 48
TM-2000	Qty. 62
TM-2100	Qty. 48
TM-2400	Qty. 62
TM-2700	Qty. 68

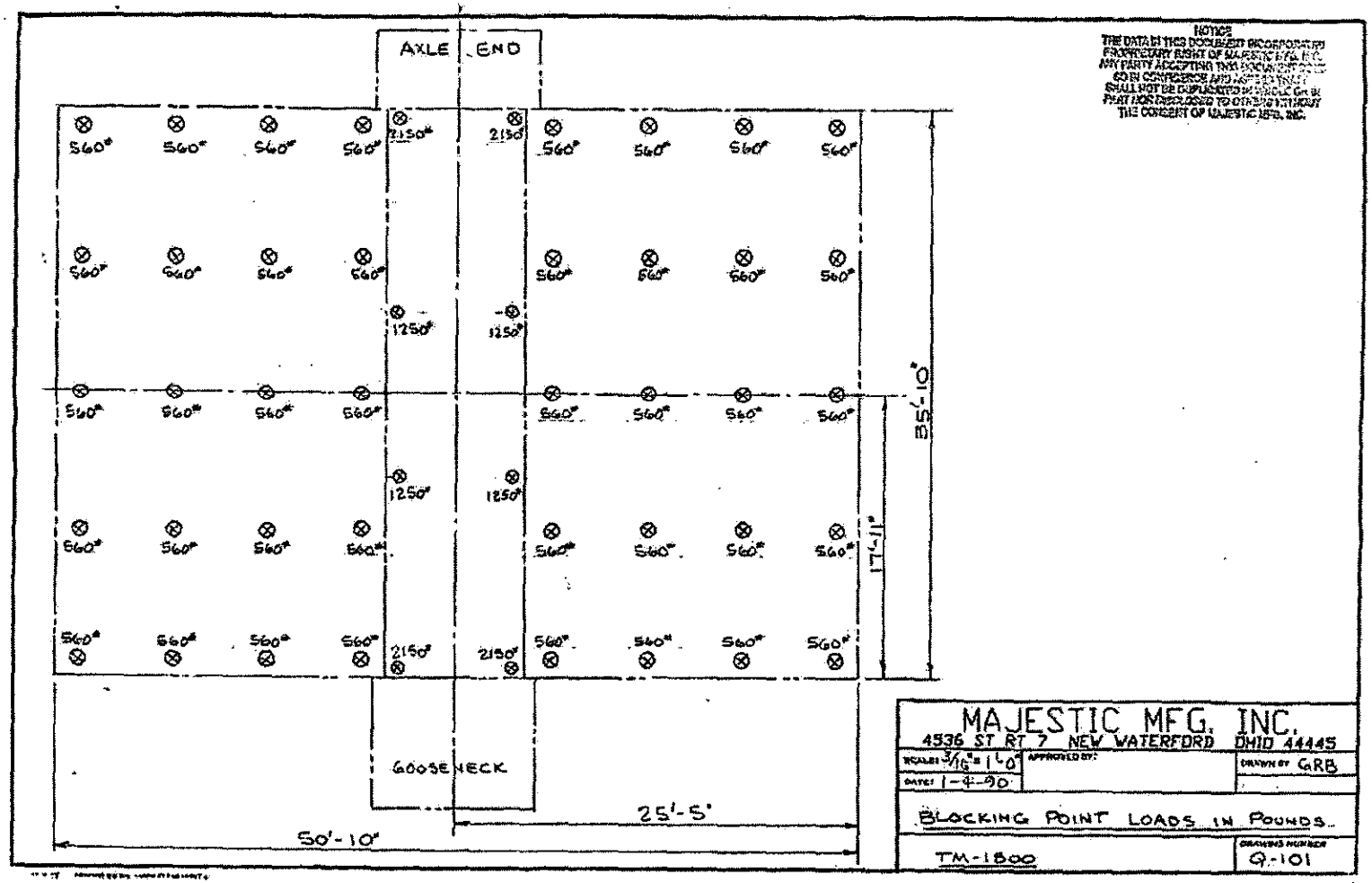
B. Total weight of each blocking point per unit:

TM-900	Ref Q-1506	Weight per point
TM-1280	Ref Q-1901	Weight per point
TM-1400	Ref Q-201	Weight per point
TM-1800 Standard	Ref Q-101	Weight per point
TM-1800 Euro	Ref Q-601	Weight per point
TM-2000	Ref Q-2305	Weight per point
TM-2100	Ref Q-1606	Weight per point
TM-2400	Ref Q-2209	Weight per point
TM-2700	Ref Q-303	Weight per point

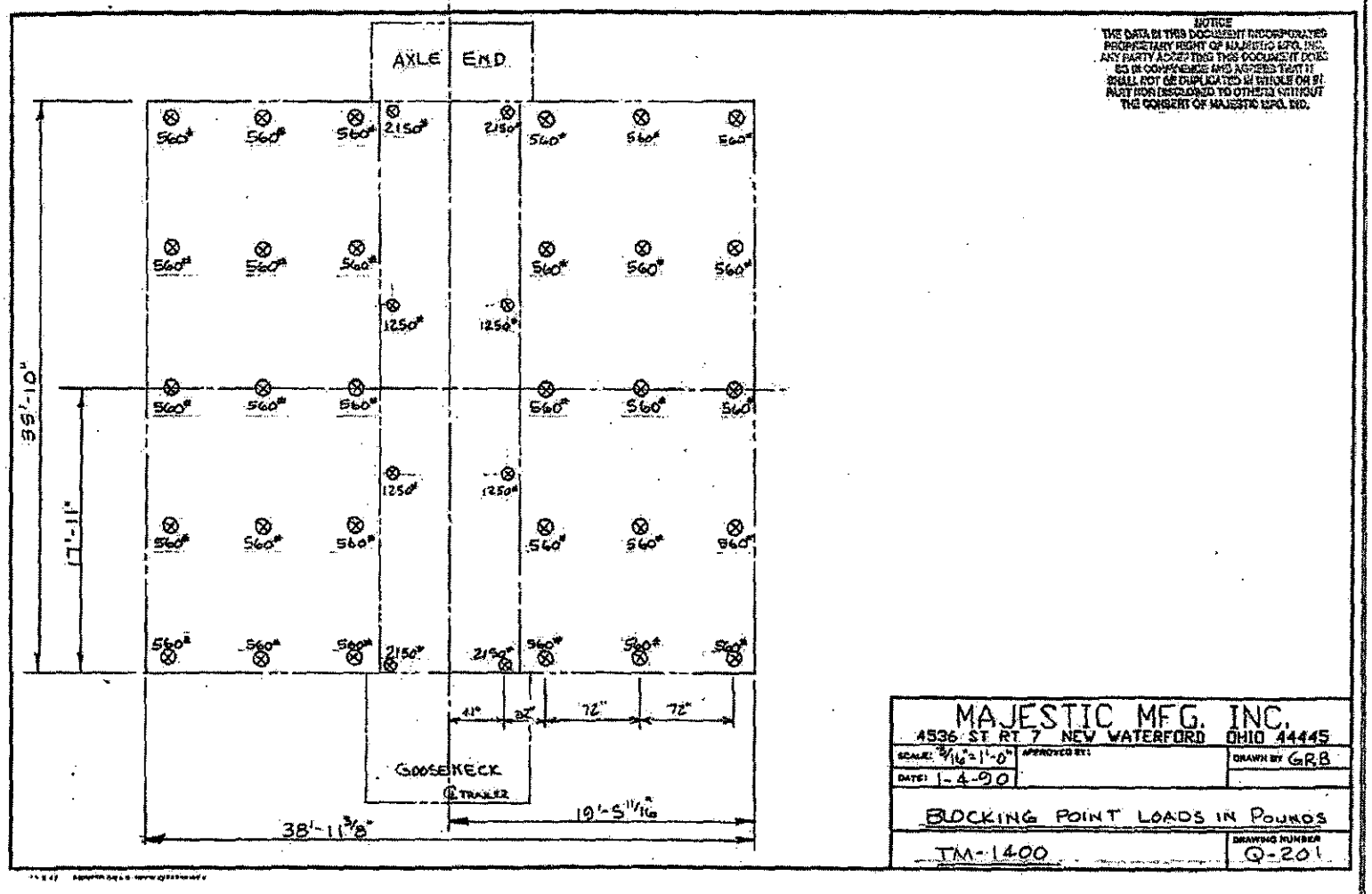
C. Height restrictions for certain blocking techniques:

Majestic Manufacturing, Inc. recommends

1. Single blocking up to 6"
2. Crib blocking 6" and up.



Revised 01/06/03



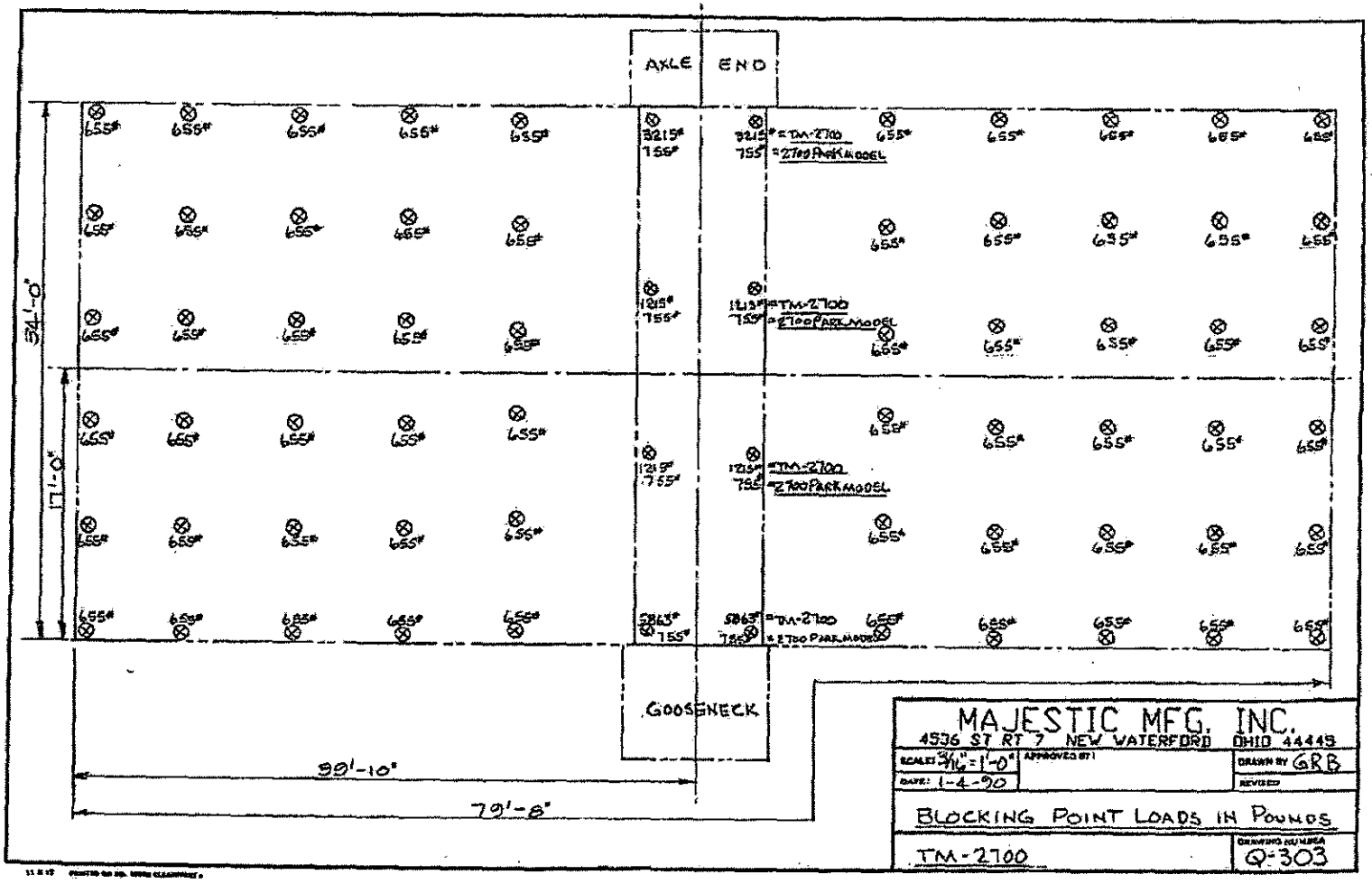
MAJESTIC MFG. INC.
4536 ST RT 7 NEW WATERFORD OHIO 44445

SCALE: 3/16"=1'-0"	APPROVED BY:	DRAWN BY GRB
DATE: 1-4-90		

BLOCKING POINT LOADS IN POUNDS

TM-1400 — DRAWING NUMBER Q-201

Revised 01/06/03



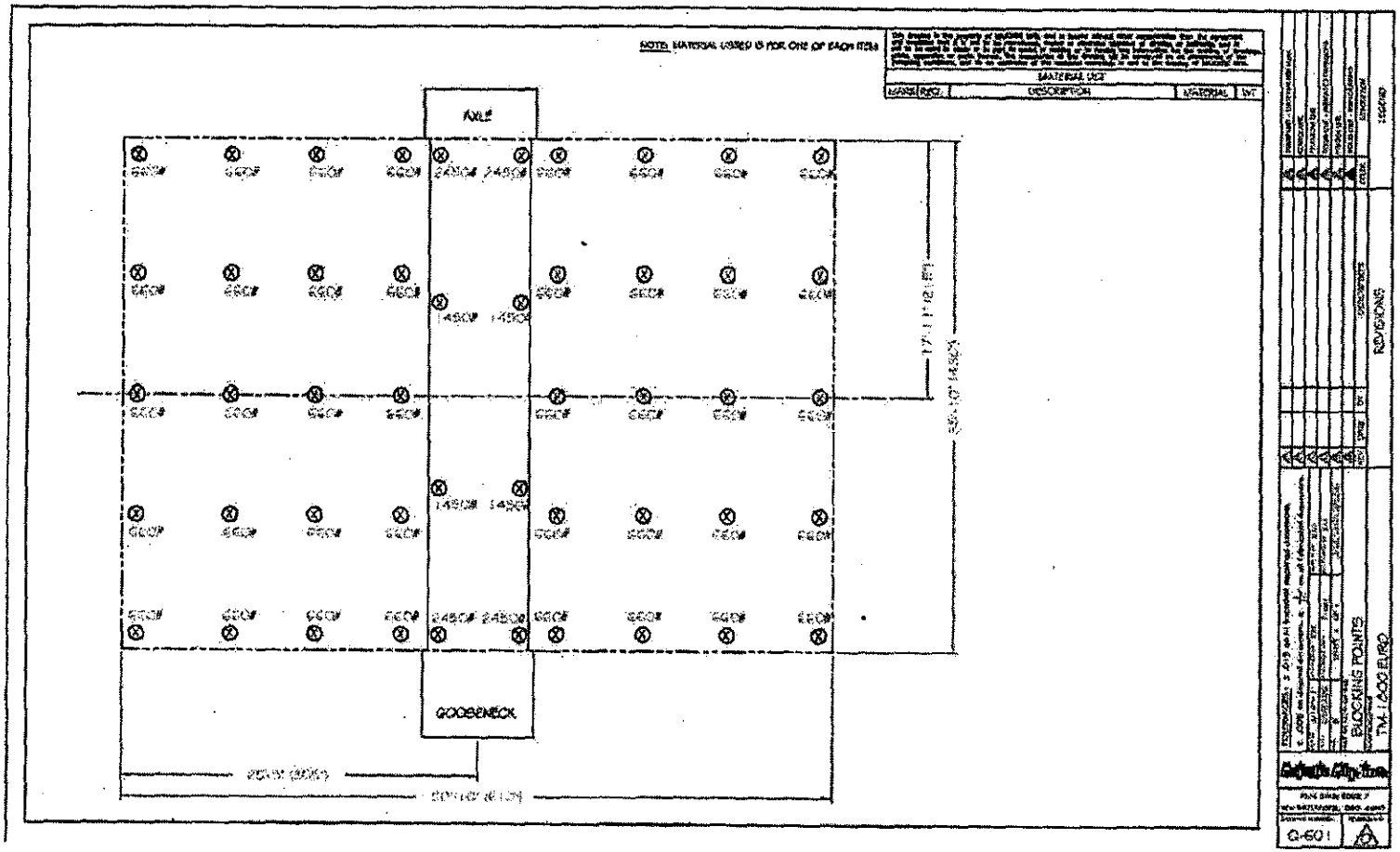
MAJESTIC MFG. INC.
4536 ST RT 7 NEW WATERFORD OHIO 44445

SCALE: 1/16" = 1'-0"	APPROVED BY:	DRAWN BY: GRB
DATE: 1-4-00		REVISED

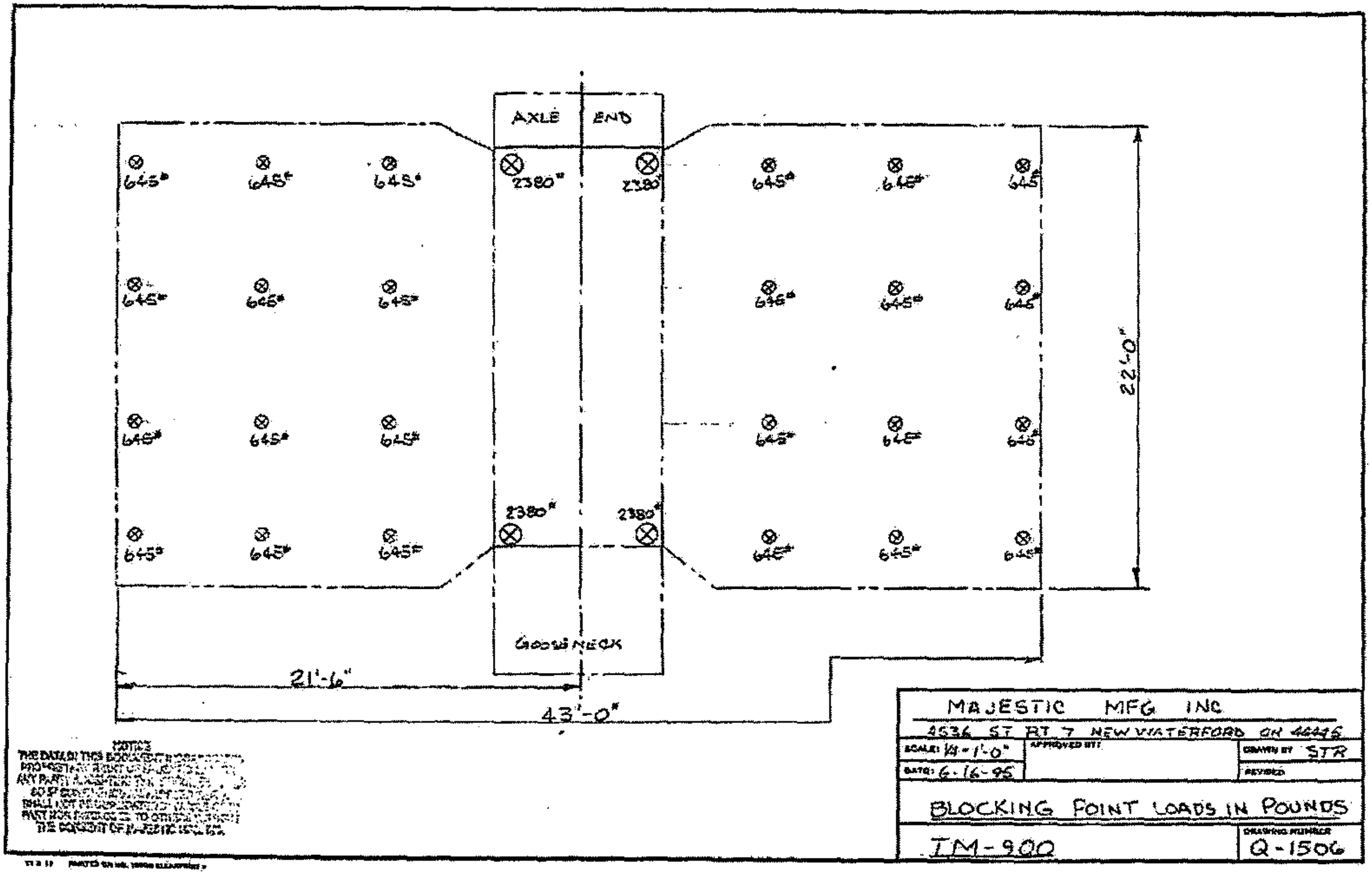
BLOCKING POINT LOADS IN POUNDS

TM-2700	DRAWING NUMBER Q-303

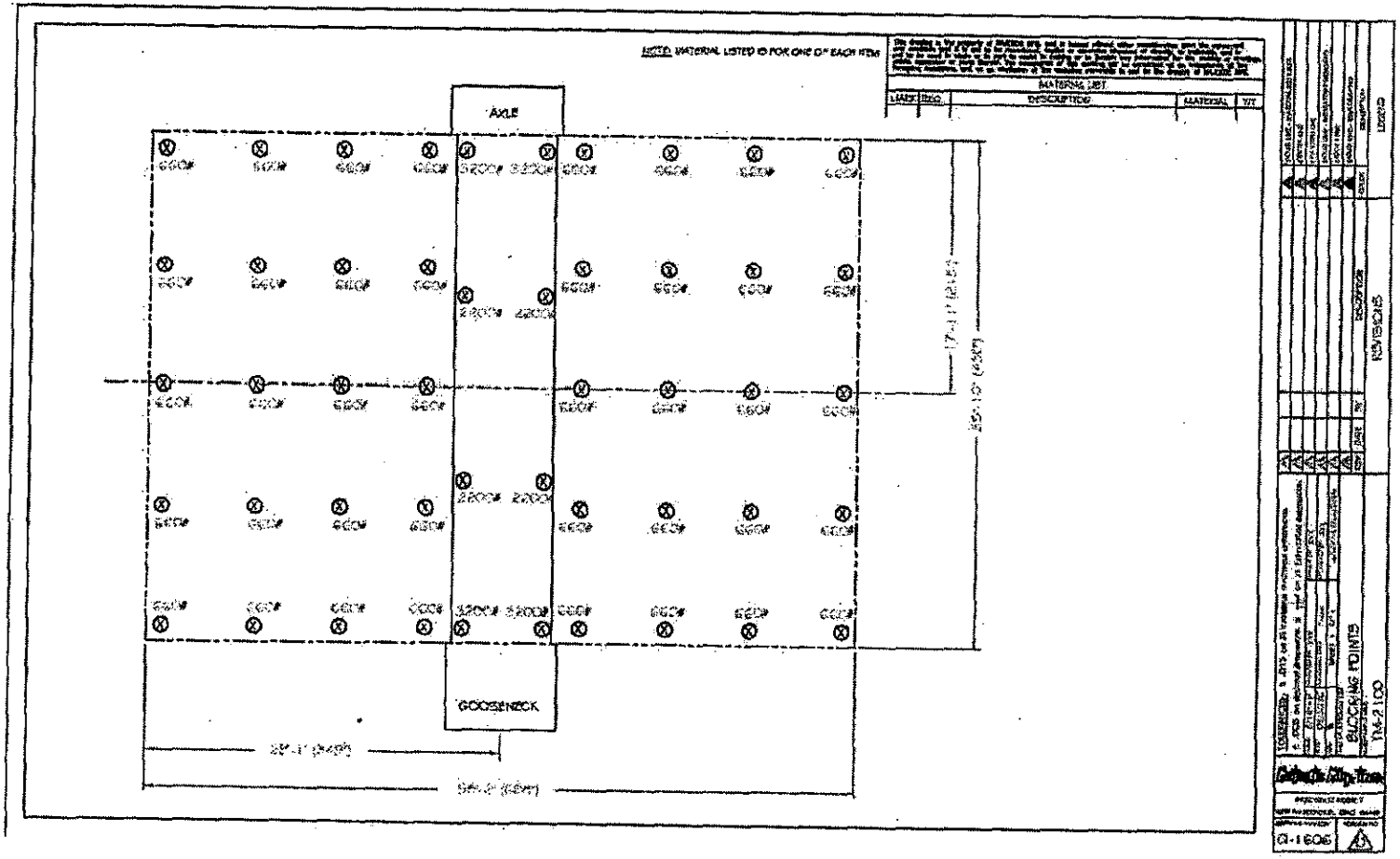
Revised 01/06/03



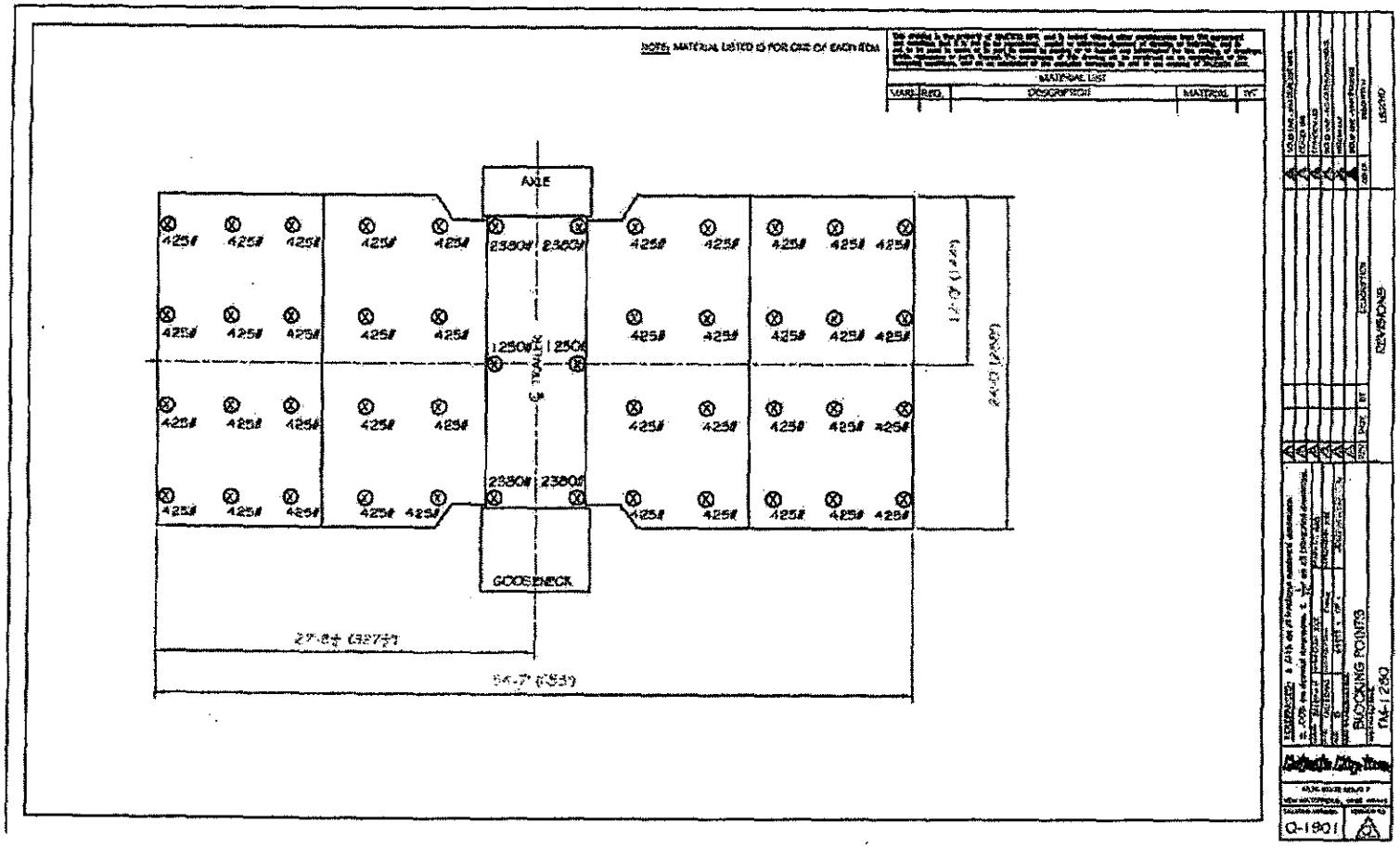
Revised 01/06/03



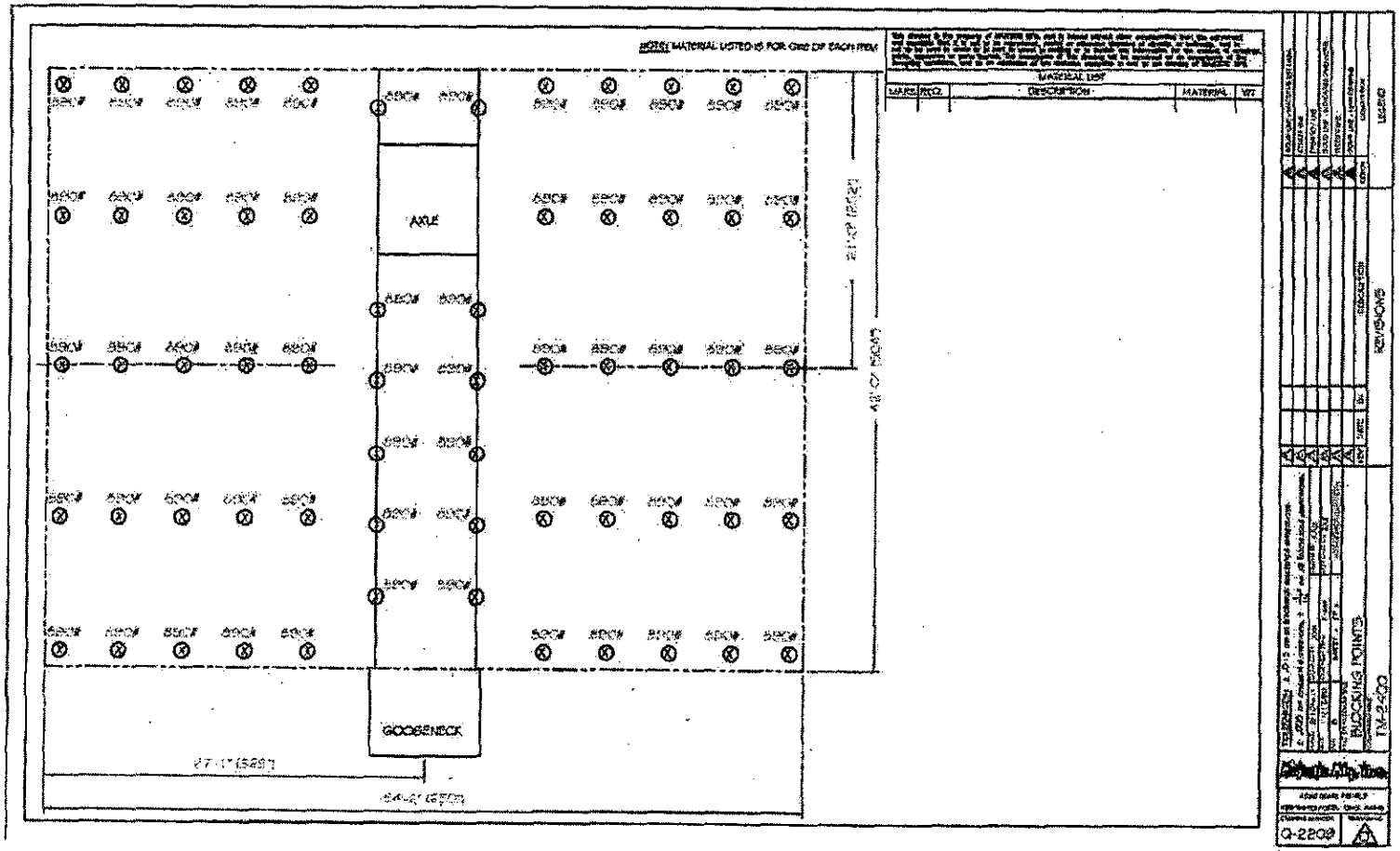
Revised 01/06/03



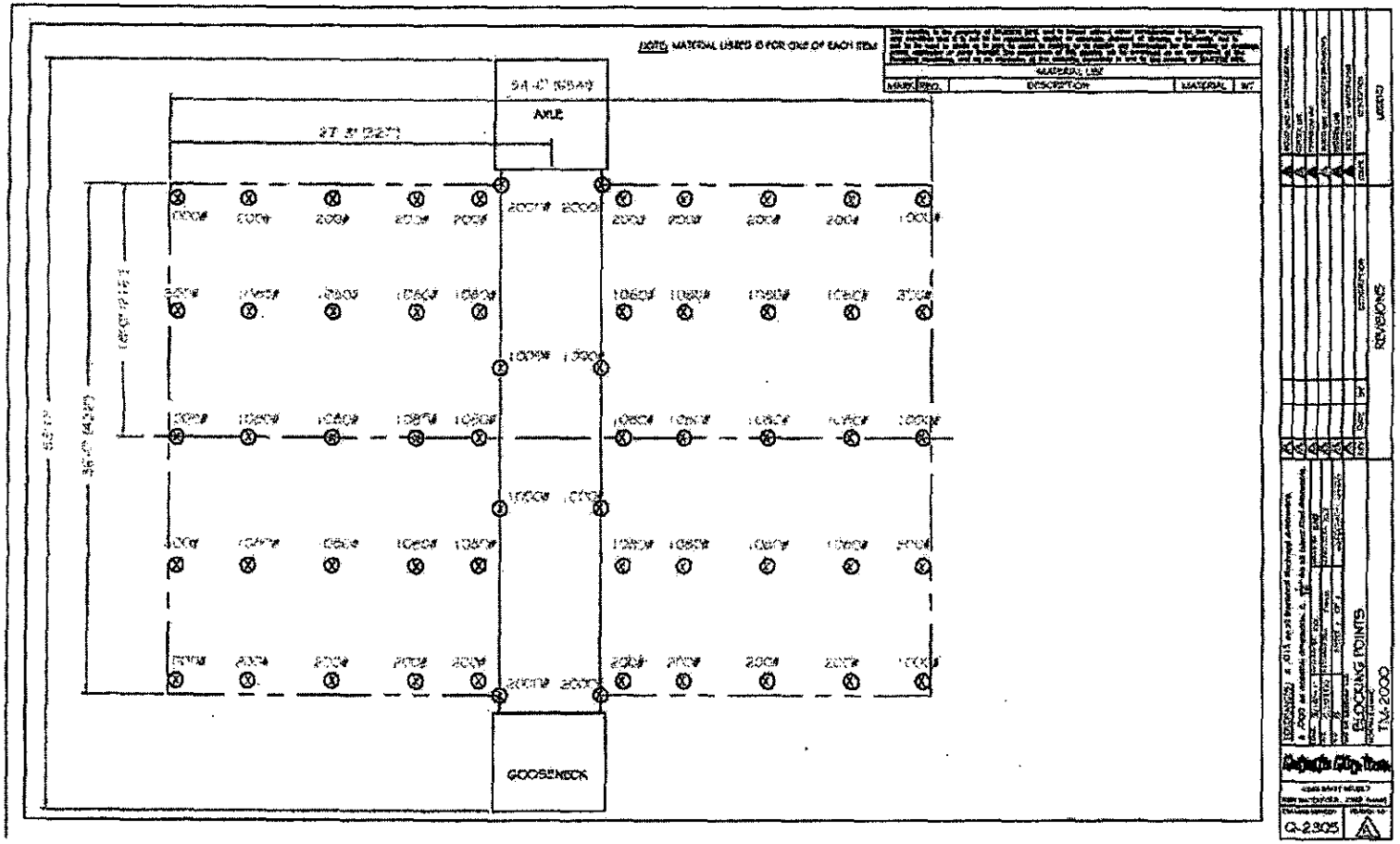
Revised 01/06/03



Revised 01/06/03



Revised 01/06/03



Revised 01/06/03

SECTION 4

PURLINGS ** DECKS ** RAMPS

PURLINGS (Ref. DWG. M-2190, page 19)

INSPECTION LOCATION	INSPECT FOR	
A. Purlins	All purlins installed and secured to trailer.	Visual
B. Attachment to trailer (except TM-2700)	Excessive wear on holes and pins	Visual
C. Spreaders and spreader sockets	Check for cracked welds and excessive wear	Visual
J. Attachment to deck (applies to TM-2700 only)	Excessive dovetail wear and dovetail broken welds	Visual

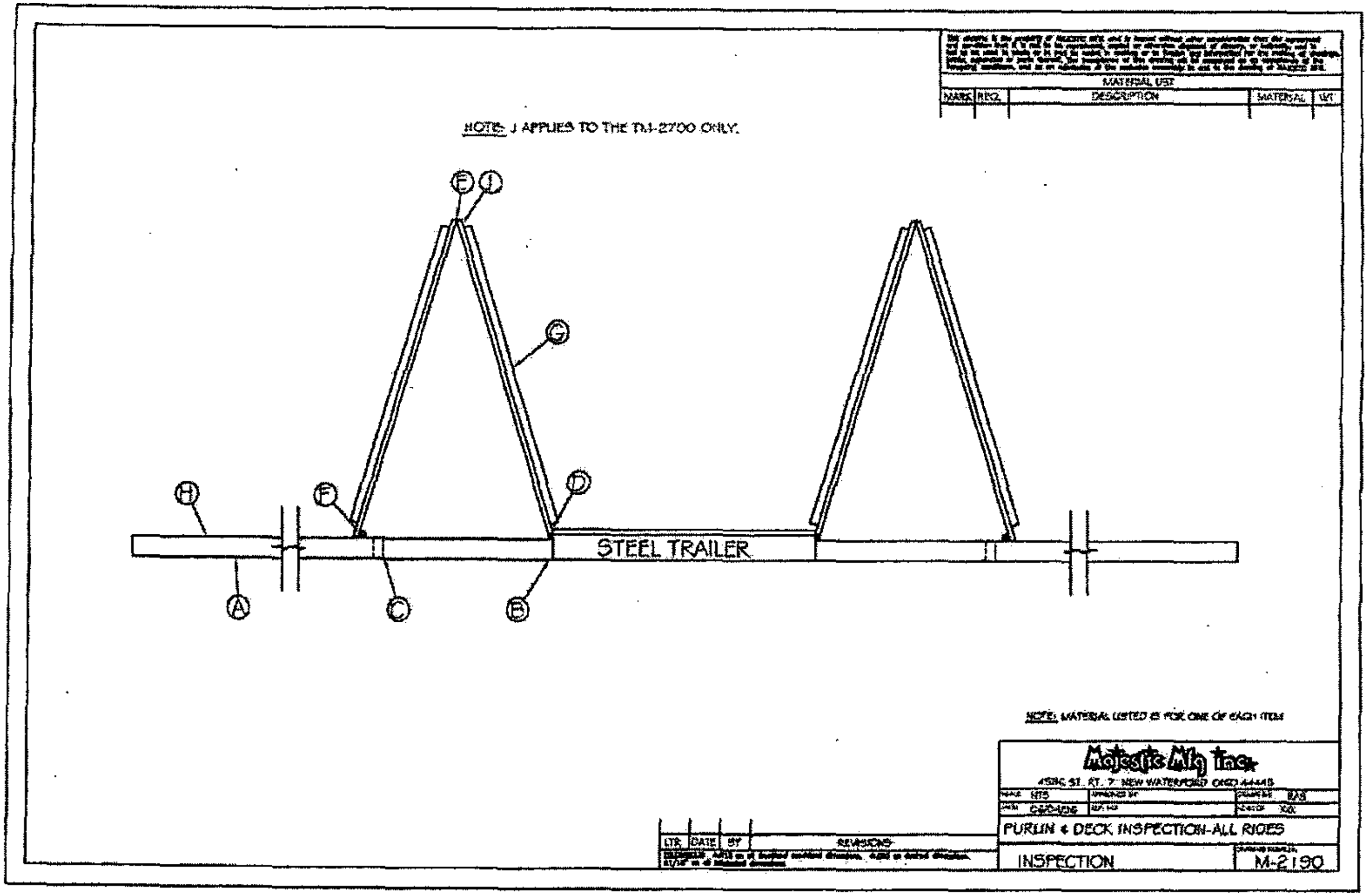
DECKS (Ref. DWG. M-2190, page 19)

INSPECTION LOCATION	INSPECT FOR	
D. Deck hinges on trailer	Broken welds on 2" solid hinge point	Visual
*E. Deck hinges on deck	8' Piano hinge, loose or worn fasteners, broken hinge points	Visual
*F. Deck rollers	Functional and free rolling	Visual
G. Bumper Rail	Broken welds, missing bumper rail	Visual
H. Deck plates	Aligned properly and warping	Visual

NOTE: *E and *F apply to all Majestic Scooters except the TM-2700.

Recommend inspecting A through G BI-annually unless otherwise stated.

Revised 01/06/03



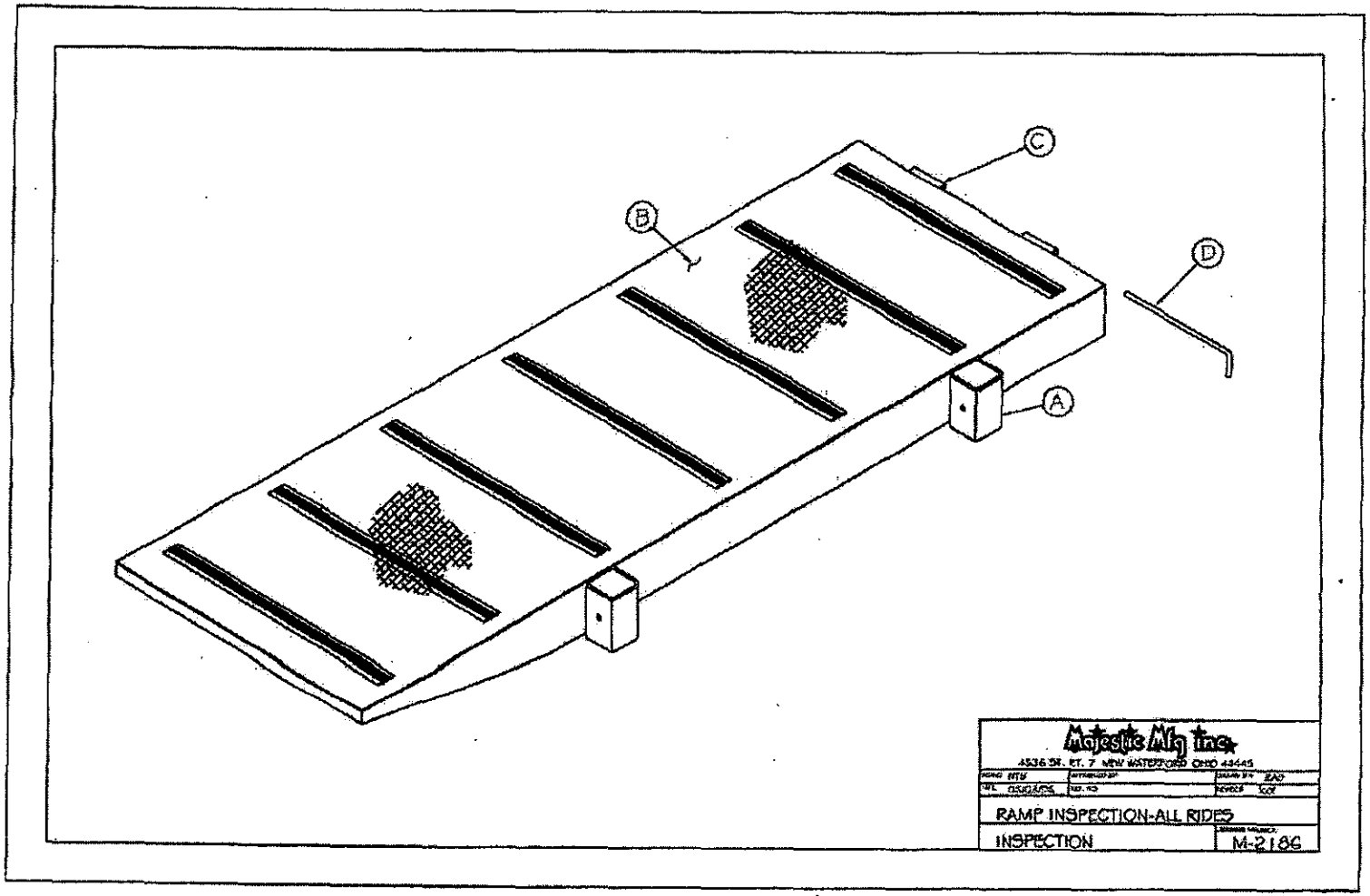
SECTION 4 (cont)

PURLING ** DECK ** RAMPS

RAMPS (Ref. DWG. M-2186, page 21)

INSPECTION LOCATION	INSPECT FOR	
A. Fence ramp sockets	Cracked or broken welds	Visual
B. Ramp surface	Anti-skid material worn or missing	Visual
C. Pipe hinges	Worn pipe, broken welds	Visual
D. Pin attachment	Broken, bent or missing	Visual
E. Stability of ramps	Proper placement of blocking	Visual

NOTE: Check A through E weekly.



Revised 01/06/03

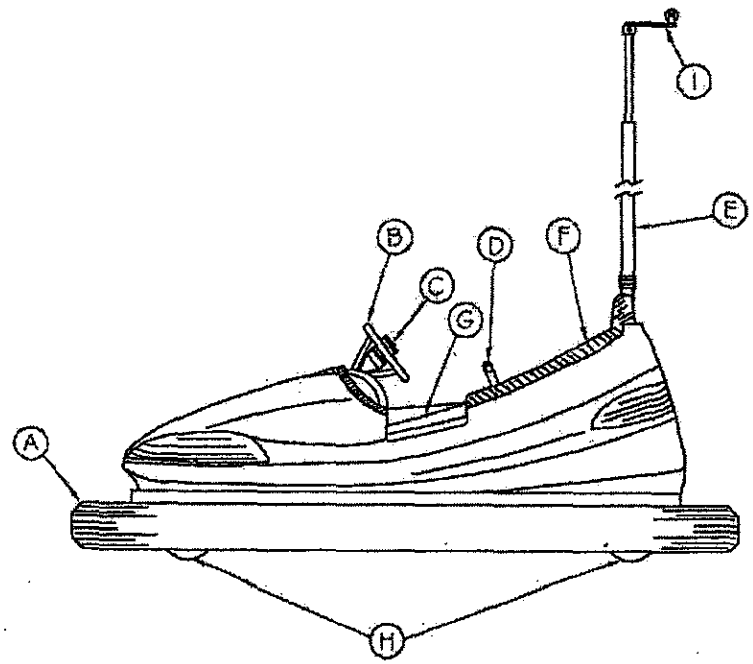
SECTION 5

MAJESTIC BUMPER CARS

CARS (Ref. DWG. M-2194, page 23)

INSPECTION LOCATION	INSPECT FOR	
A. Bumper car tire	Proper air pressure – 10 p.s.i.	Visual
B. Steering wheel	Secure and functional	Visual
C. Steering wheel pad	Secure and functional	Visual
D. Seatbelt or Lap bar	Functional	Visual
E. Pole pad	In place	Visual
F. Seats	Adequate padding	Visual
G. Trim	No sharp edges	Visual
H. Wheels	Proper clearance	Visual
I. Trolley Wheels	Trolley wheel secure to the trolley bracket (check for excessive wear)	Visual

Note: Check A through I monthly.
Check D weekly.



Majestic Mfg Inc.

BUMPER CAR INSPECTION-ALL RIDES

INSPECTION

M-2194

Revised 01/06/03

SECTION 6

MAJESTC FENCE

FENCE (Ref. DWG. M-2193, pages 25)

INSPECTION LOCATION	INSPECT FOR	
A. Fence ends/tabs	Broken welds	Visual
B. Fence tube/rods	Bent or broken	Visual
C. Expanded metal (If applicable – California code)	Properly secured to fence	Visual
D. Fence	Missing sections	Visual

NOTE: Check A through D weekly.

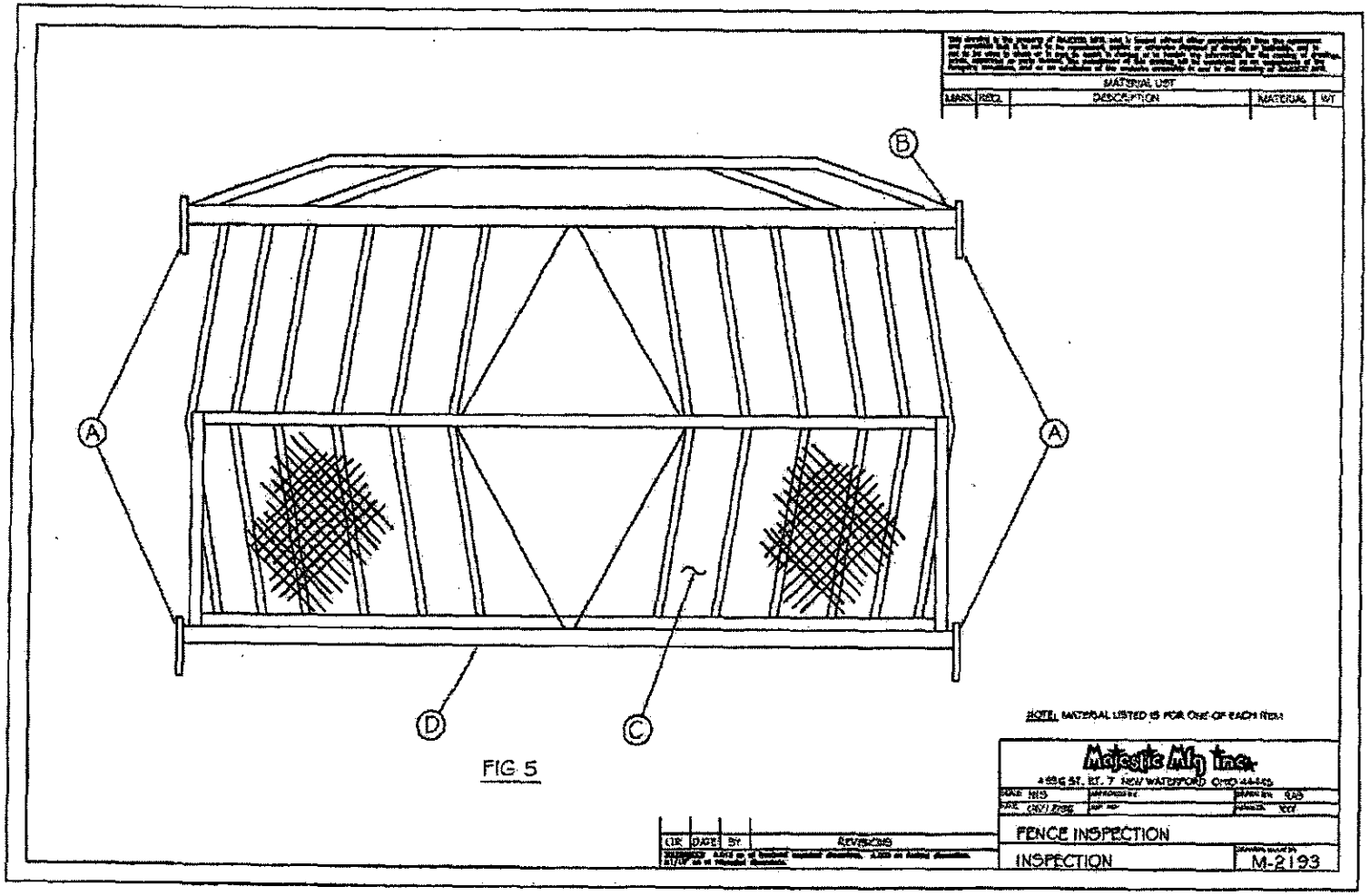
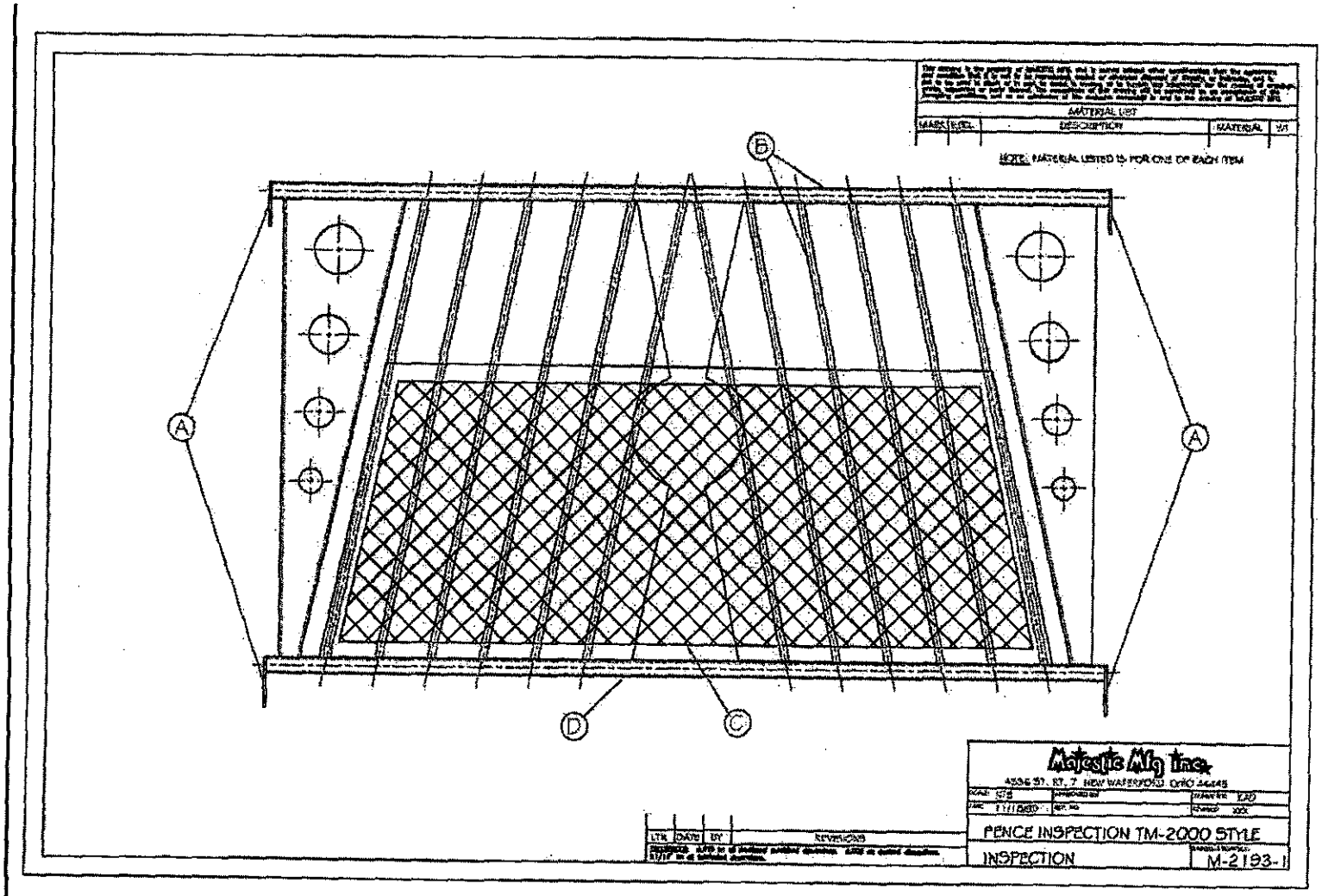


FIG 5

Revised 01/06/03



Revised 01/06/03

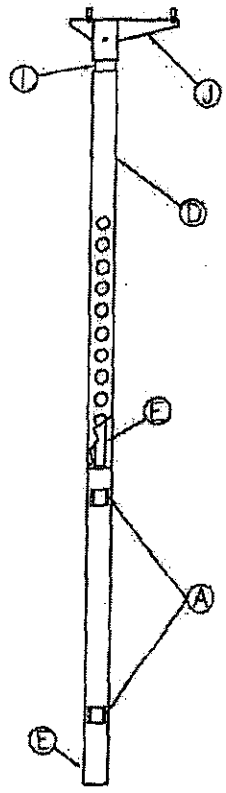
SECTION 7

POST

ALUMINUM LIGHTED (Ref. DWG's M-2195, M-2197 & M-2253, Pages 27-29)

INSPECTED LOCATION	INSPECT FOR	
A. Post fence clips	Broken welds or missing	Visual
B. Side panels	Broken welds, in place with all fasteners	Visual
C. Lexan	In place with all fasteners and not broken	Visual
D. Post	Missing post, NO post substitution	Visual
E. Post light fixtures	Secured and wired properly	Visual
F. Base plate	Broken welds	Visual
G. Top plate	Broken welds	Visual
H. Post top jack	Proper installation, proper height adjustment and proper working order	Visual
I. Wood or Nylon Insulator	Secure and tightness, sufficient clearance between aluminum	Visual
J. Post Cap	Broken welds, secure pins	Visual
*K. Post Light Bracket (*If applicable*)	Secure and proper wiring	Visual

NOTE: *K is for the rides that do not have expanded metal ceilings. These rides have posts with quartz lights attached at the top.



USED ON RIDES:
TM-800, TM-1280, TM-1400
& TM-1800 STANDARD

Majestic Mfg Inc.
4536 ST. RT. 7 NEW WATERFORD OHIO 44445

SCALE: NTS	APPROVED BY:	DRAWN BY: TJG
DATE: 08/17/98	REV. NO.	REVISED: XXX

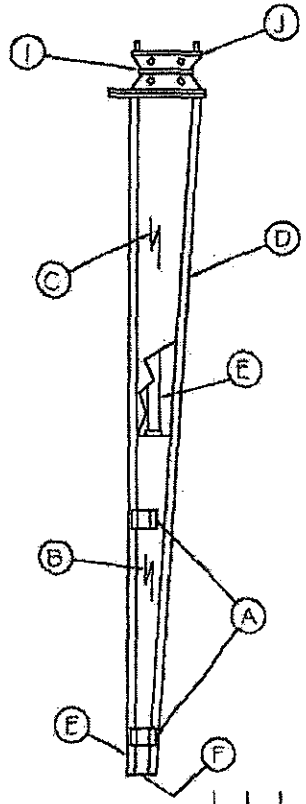
STANDARD 3" POST INSPECTION

INSPECTION

DRAWING NUMBER
M-2195

Revised 01/06/03

Revised 01/06/03



MATERIAL LIST

MARK	REQ.	DESCRIPTION	MATERIAL	WT

USED ON RIDES:
TM-1800 EURO, TM-2100 & TM-2700

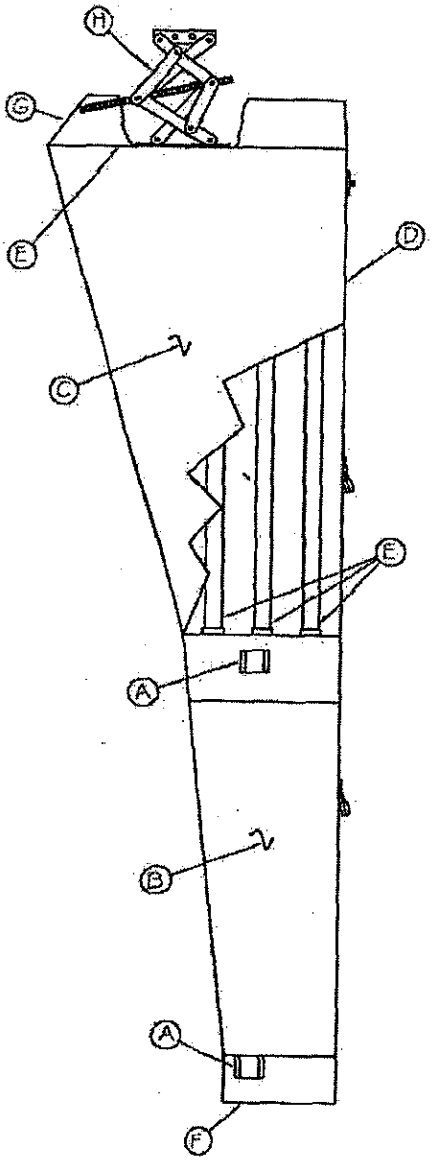
NOTE: MATERIAL LISTED IS FOR ONE OF EACH ITEM

LTR	DATE	BY	REVISIONS

Majestic Mfg Inc.
4338 ST. RT. 7 NEW WATERFORD OHIO 44445

POST INSPECTION

INSPECTION M-2197

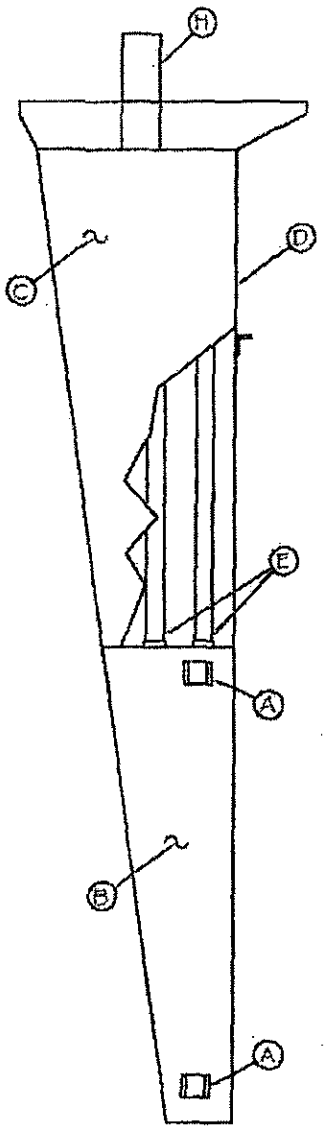


Majestic Mfg Inc.
4036 ST. RT. 7 NEW WATERFORD OHIO 44445

DRWG NO.		DRWN BY KAD
DATE 1/12/2009	DET NO.	REVISED XXX

POST INSPECTION TM-2000 & TM-2400

INSPECTION | M-2253



Majestic Mfg Inc.
4536 ST. RT. 7 NEW WATERFORD OHIO 44445

DRAWN BY: MTD	APPROVED BY:	DRAWING BY: KAD	
DATE: 04/29/01	REVISIONS:	SCALE: 100%	

POST INSPECTION TM- 1400 M & TM- 1800 M

INSPECTION

DRAWING NUMBER: M-2253-1

SECTION 8

RAFTERS and CATWALKS

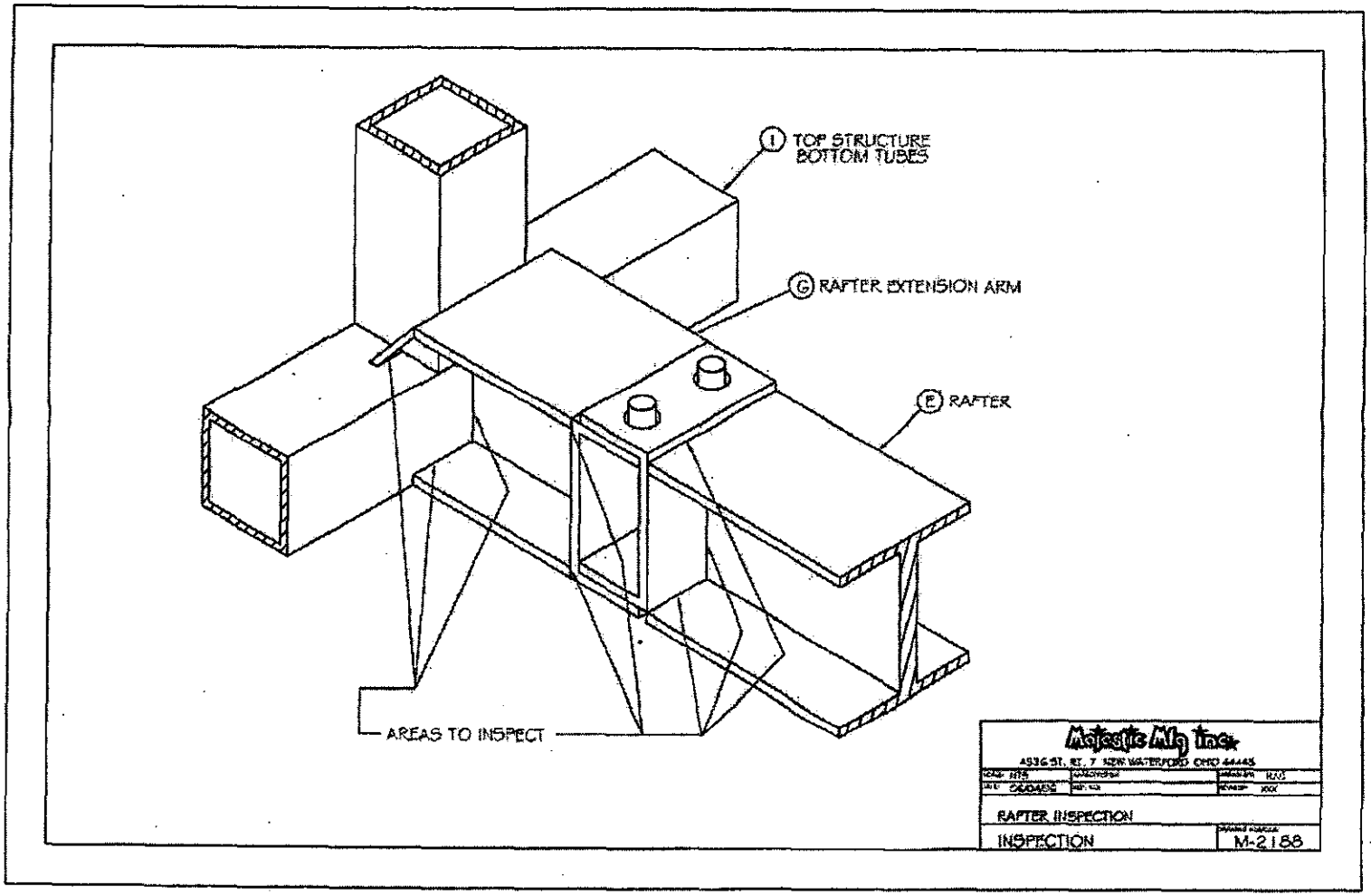
RAFTERS, RAFTER EXTENSIONS (Ref. DWG's M-2188 & M-2260 Pages 31-32)

TM-900, TM-1280, TM-1400, TM-1800 Std, TM-1800 Euro, TM-2000, TM-2100 & TM-2400

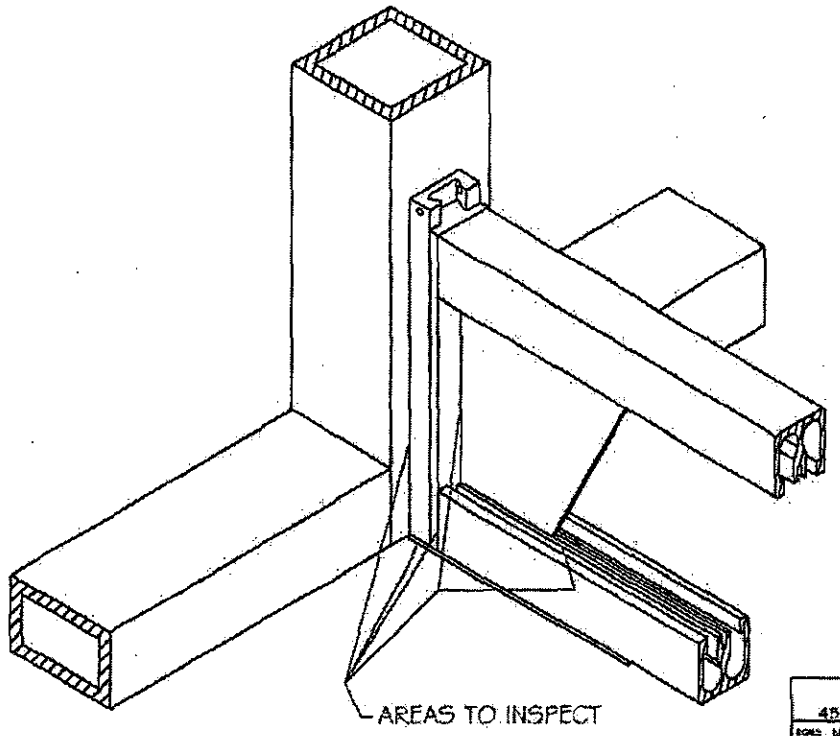
INSPECTION LOCATION	INSPECT FOR	
A. Hinge plate to trailer frame	Broken or missing bolts	Visual
B. Hinge plate	Broken welds	Visual
C. Hinge	Broken or missing bolts broken welds	Visual
D. Rafter attachment	Broken or missing bolts	Visual
E. Rafter	Broken welds excessive use or damage	Visual
F. Main Insulator Cap Weldment to Top	Broken welds	Visual
G. Rafter Extension Arms	Broken welds, pins	Visual
H. Rafter and Weldment	Broken welds	Visual
I. Top Structure Bottom Tubes	Broken welds	Visual

RAFTERS - TM-2000, TM-2400 & TM-2700 (Ref. DWG. M-2191, page 33)

A. Dove Tails	Broken welds	Visual
B. Areas to Inspect	Broken welds	Visual



Revised 01/06/03



MAJESTIC MFG. INC.
4536 ST RT 7 NEW WATERFORD Ohio 44445

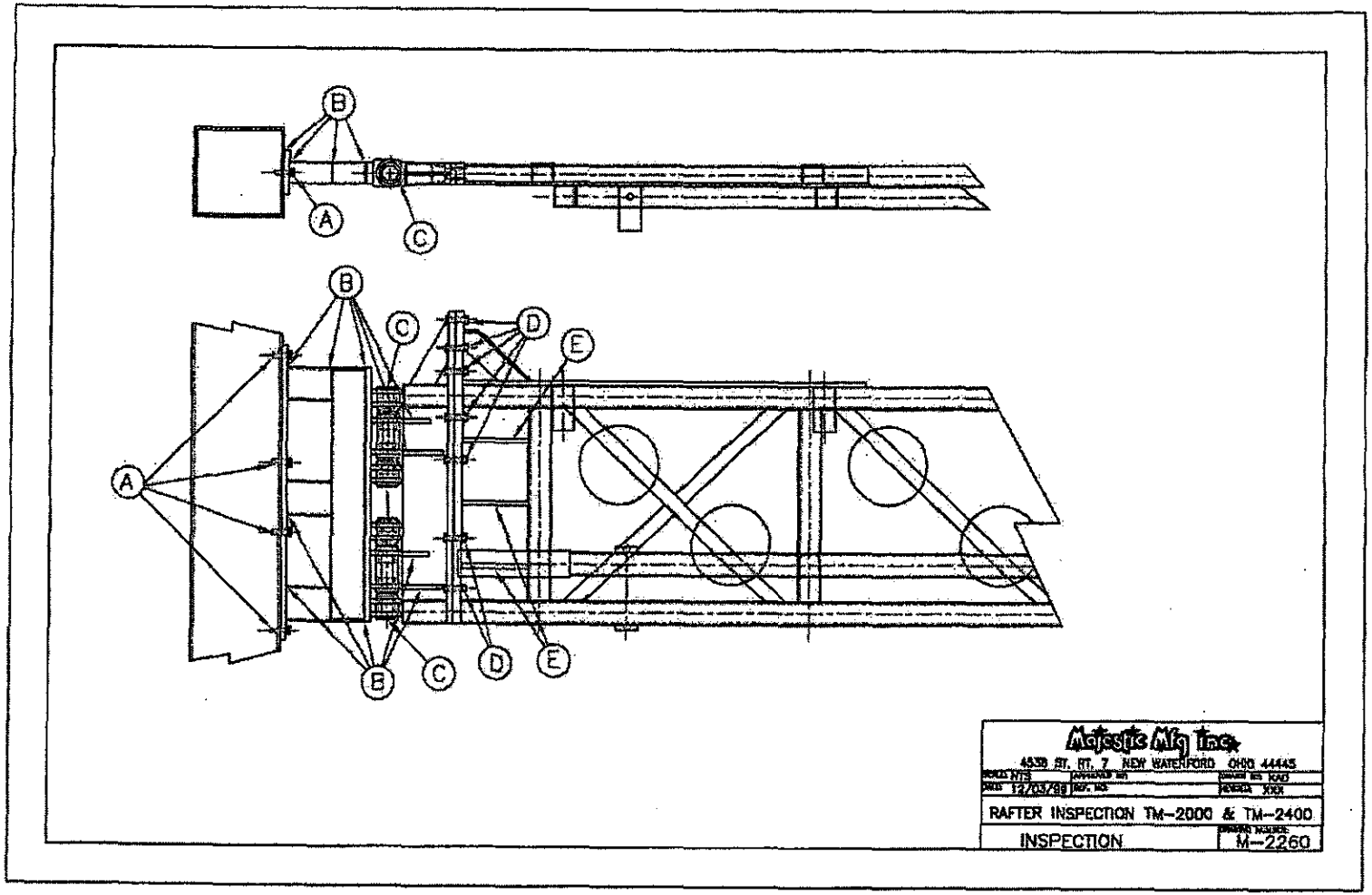
SCALE NTS	REF. X-XXX	DRAWN BY RAS
DATE 6-10-96	SHEET 1 OF 1	REVISED

TM-2000, TM-2400 & TM-2700
RAFTER INSPECTION

INSPECTION

STANDARD NUMBER M-2191

Revised 01/06/03



Majestic Mfg Inc.
4535 ST. RT. 7 NEW WATERFORD OHIO 44445
SCALE: NTS
DATE: 12/03/98
DRAWN BY: KAD
REVISED: XXX
RAFTER INSPECTION TM-2000 & TM-2400
INSPECTION
DRAWING NUMBER: M-2260

Revised 01/06/03

SECTION 8 (cont)

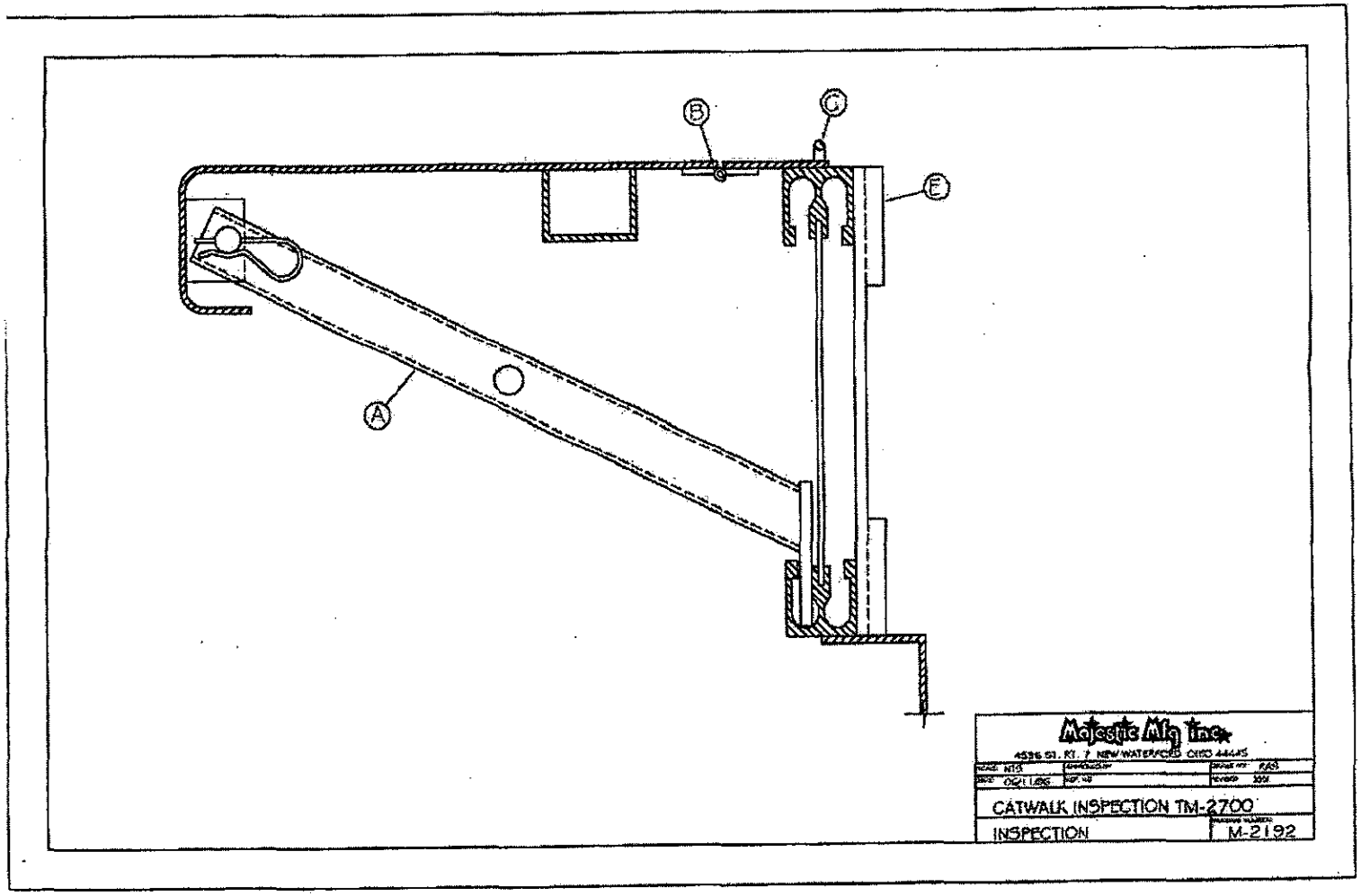
RAFTERS and CATWALKS

CATWALKS (Ref. DWG's M-2192, M-2256 & M-2262, pages 35-37)

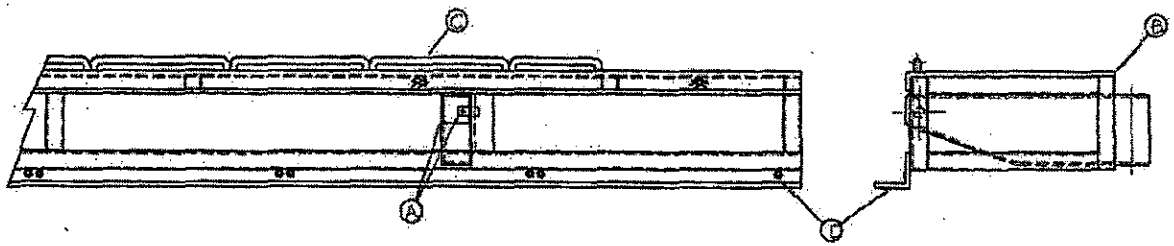
TM-2000, TM-2400, & TM-2700

INSPECTION LOCATION	INSPECT FOR	
A. Support braces	Missing support arm Loose fitting of "R"-keys "R"-key correctly secured	Visual
B. Folding hinge	Missing pop rivets Broken hinges	Visual
C. Canvas Rod	Bent or missing rod	Visual
D. Angle	Damaged or missing Missing bolts	Visual
E. Dove Tails	Broken welds	Visual
F. Pin Holes	Excessive wear	Visual
*G. Insulators	Missing or broken, excessive wear	Visual

NOTE: *G may not be applicable to all rides.



Revised 01/06/03



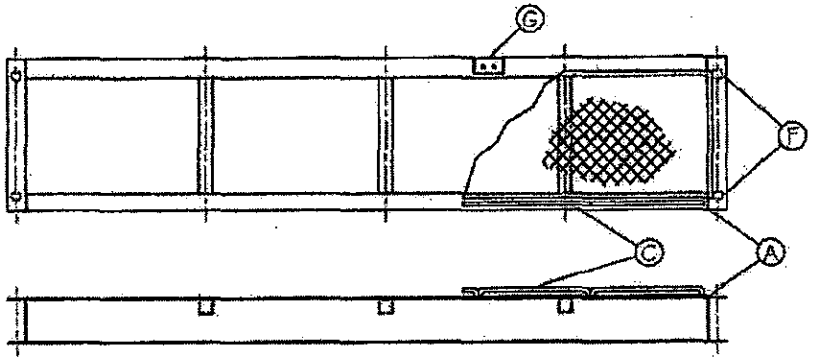
Majestic Mfg Inc.

CATWALK INSPECTION TM-2000 & TM-2400

INSPECTION

M-2256

Revised 01/06/03



Majestic Mfg Inc.

CATWALK INSPECTION - ALL RIDES

INSPECTION

M-2262

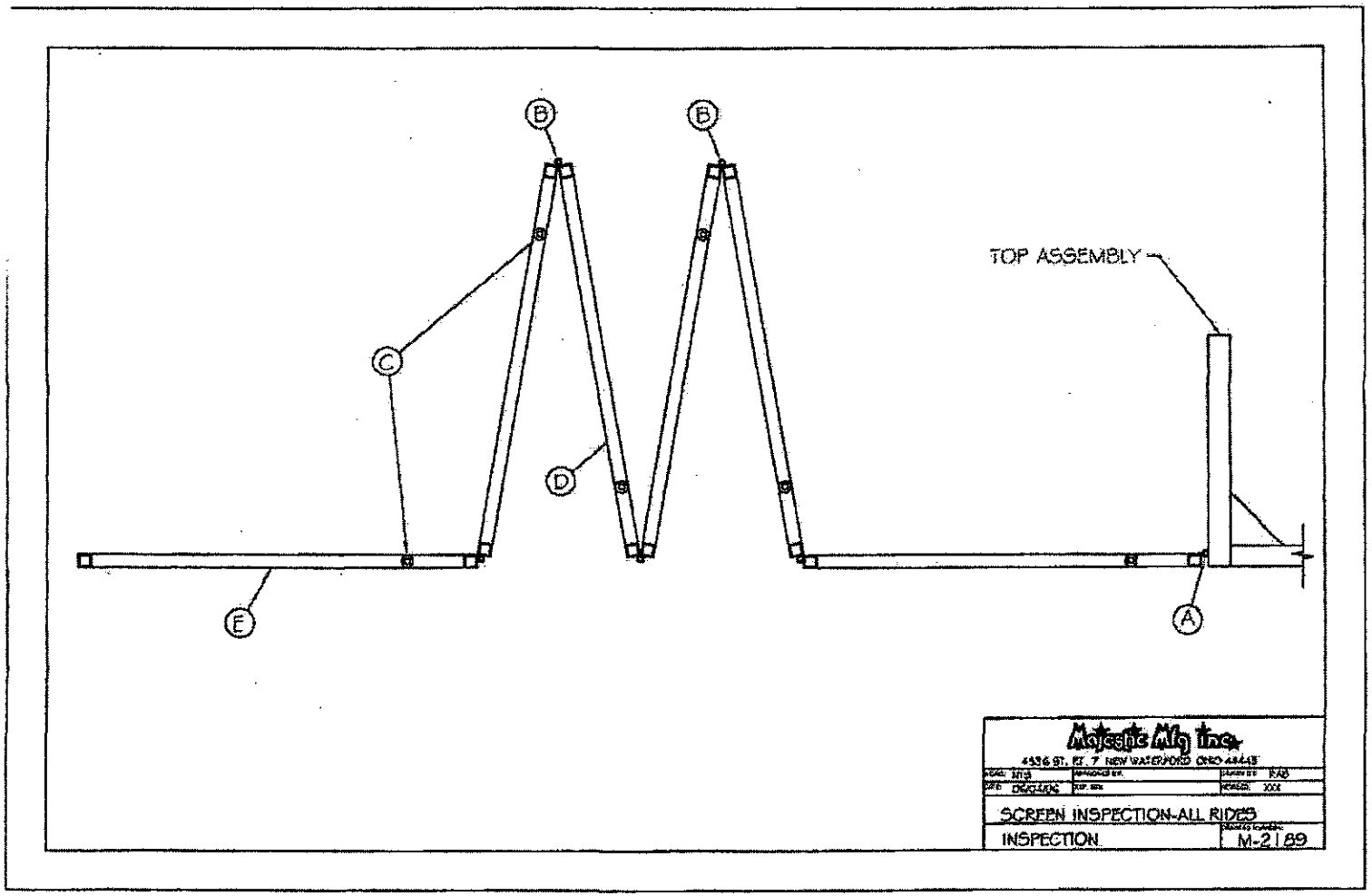
Revised 01/06/03

SECTION 9

FOLDING CEILING PANELS (SCREENS)

PANELS (Ref. DWG. M-2189, page 39)

INSPECTION LOCATION	INSPECT FOR	
A. Main panel – hinge attachment	Broken hinge or fasteners	Visual
B. Secondary panel hinge attachment	Broken hinge or fasteners	Visual
C. Guide support rollers	Secure and functional	Visual
D. Ceiling panels	Securely attached and no gaping holes	Visual
E. Ceiling	Excessive build up and pitting	Visual



Revised 01/06/03

SECTION 10

SCENERY PANELS

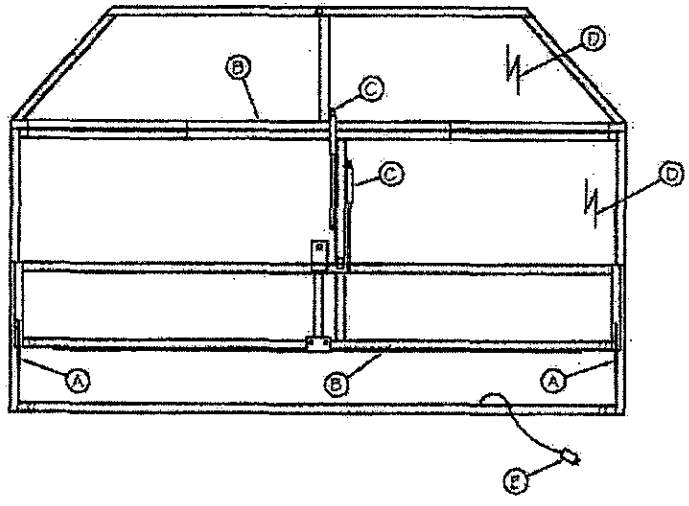
SCENERY (Ref. DWG's M-2196, M-2255, pages 41-42)

INSPECTION LOCATION	INSPECT FOR	
A. Scenery pins	Broken welds, straightness	Visual
B. Piano hinge	Broken hinges and pop rivets in place	Visual
C. Wind Brace	Bolts in place and secure Safety pins in place Broken welds	Visual
D. Wiring	Exposed or broken wires	Visual
E. Plugs	Wired correctly and secured	Visual
F. Shocks	Rivets in place and secure	Visual

SECTION 11

CANVAS

INSPECTION LOCATION	INSPECT FOR	
A. Canvas	Torn Canvas	Visual
	All quarter and center poles are in place and secure to rafters.	Visual
	Canvas cables secured to rafters	Visual
	Canvas snaps secured to catwalk rods	Visual



Majestic Mfg Inc.
4376 ST. RT. 7 NEW WATERFORD OHIO 44445

SCALE: NTS	DRAWN BY:	CHECKED BY: LJG
DATE: 03/17/05	REV. #3	SHEET #: XXX

SCENERY PANEL INSPECTION

INSPECTION

DRAWING NUMBER: M-2196

Revised 01/06/03