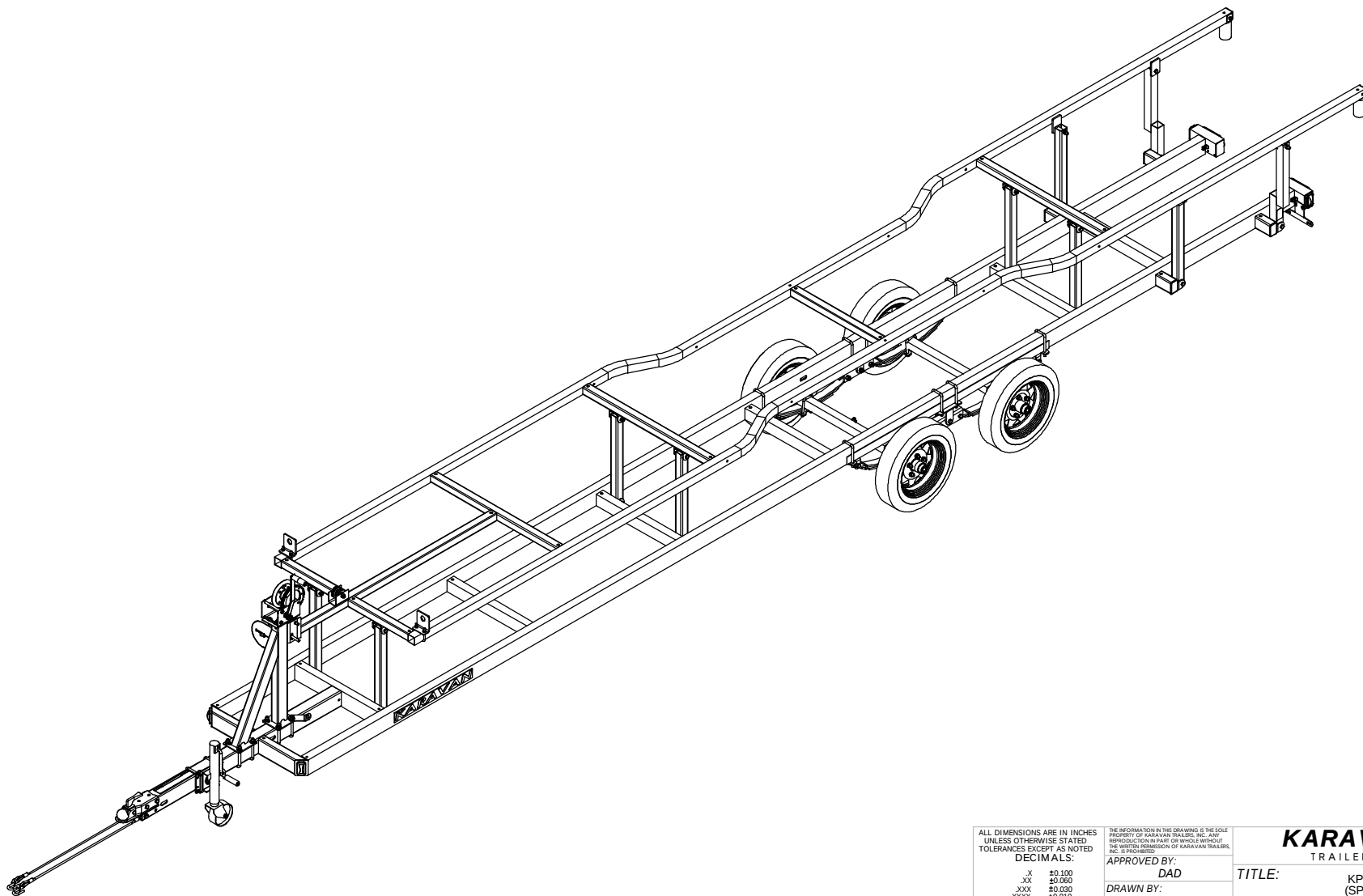




G	15505	MJH	06-18-12	ADDED (4)229-00316.
F	15036	KMH	04-28-10	REPLACED 208-00013 WITH 208-00049; 210-00025 WITH 210-00017 - (2X); 210-00046 WITH 210-00330; 210-00047 WITH 210-00061 & 210-00048 WITH 210-00076
DWG. REV.	ECR/NDR NUMBER	REVISED BY	DATE	DESCRIPTION

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DECIMALS:

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.XX ±0.060
.XXX ±0.030
.XXXX ±0.010

ANGLES:

±1°

ALL FORMED ANGLES
EQUAL 90° UNLESS
NOTED OTHERWISE

() INDICATES REFERENCE

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APPROVED BY:

DAD

DRAWN BY:

MATTHEW J. HEINEN

DATE:

4/10/2007

SHEET:

1 OF 7

SCALE:

N/A

KARAVAN
TRAILERS

TITLE: KPS-224
(SPRING)

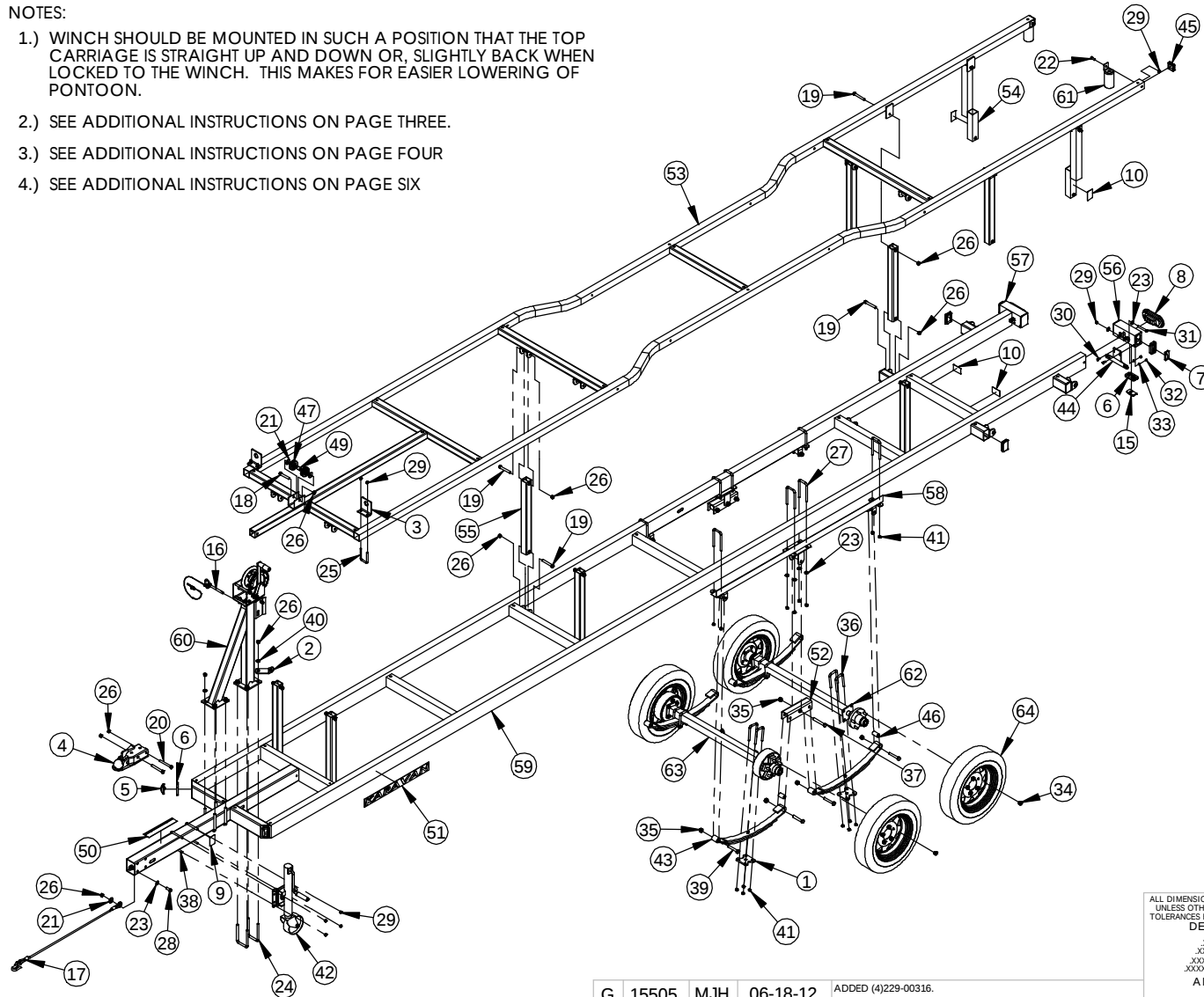
MAT'L: SEE B.O.M.

FINISH: N/A

DWG. #: **KPS-224-SPRING**

NOTES:

- 1.) WINCH SHOULD BE MOUNTED IN SUCH A POSITION THAT THE TOP CARRIAGE IS STRAIGHT UP AND DOWN OR, SLIGHTLY BACK WHEN LOCKED TO THE WINCH. THIS MAKES FOR EASIER LOWERING OF PONTOON.
- 2.) SEE ADDITIONAL INSTRUCTIONS ON PAGE THREE.
- 3.) SEE ADDITIONAL INSTRUCTIONS ON PAGE FOUR
- 4.) SEE ADDITIONAL INSTRUCTIONS ON PAGE SIX



ITEM NO.	SEE NOTE S	PART NUMBER	DESCRIPTION	QTY.
1		100-00042	SPRING PAD	4
2		100-00044	TIE DOWN BRACKET	2
3		100-00416	FRONT STOP ANGLE	2
4		204-00017	COUPLER	1
5	3	205-00001	AMBER SNAP-LOC LIGHT	2
6	4	205-00046	SNAP-LOC GROMMET	5
7	3, 4	205-00071	RED SNAP-LOC LIGHT	2
8	3, 4	205-00094	TAIL LIGHT ASSY	2
9		205-00142	AMBER REFLECTOR TAPE	2
10		205-00143	RED REFLECTOR TAPE	4
11	3	205-00148	PIGTAIL	2
12	3	205-00171	WIRE HARNESS	1
13	3	205-00186	WIRE HARNESS	1
14	3	205-00187	WIRE HARNESS	1
15	3, 4	205-00204	SNAP-LOC LIGHT	2
16		207-00002	TILT PIN	1
17		208-00049	SAFETY CABLE AND HOOK	2
18	4	210-00012	.50"-13 X 3.00" HX HD BOLT	1
19	4	210-00013	.50"-13 X 3.50" HX HD BOLT	20
20		210-00014	.50"-13 X 4.00" HX HD BOLT	2
21	4	210-00017	.50" FLAT WASHER	4
22	4	210-00022	.375"-16 X 1.00" HX HD BOLT	2
23	4	210-00025	.375" FLAT WASHER	14
24		210-00030	.50"-13 X 3.063" X 5.25" U-BOLT	4
25		210-00036	.375"-16 X 2.031" X 3.25" U-BOLT	2
26		210-00061	.50"-13 CENTERLOCK HEX NUT	33
27		210-00068	.438"-14 X 2.25" X 5.31" U-BOLT	8
28		210-00072	.50"-13 X 1.25" HX HD BOLT	2
29		210-00076	.375"-16 CENTERLOCK HEX NUT	12
30	4	210-00084	.25"-20 X .75" HX HD BOLT	2
31	4	210-00089	.375"-16 X 3.00" HX HD BOLT	2
32	4	210-00092	.25"-20 REG. HEX NUT	2
33	4	210-00117	.25" SPLIT LOCK WASHER	2
34		210-00137	.50"-20 X .813" LUG NUT	20
35		210-00157	.563"-12 NYLOCK HEX NUT	10
36		210-00193	.438"-14 X 2.098" X 4.00" U-BOLT	8
37		210-00205	.563"-12 X 4.00" HX HD BOLT	2
38		210-00210	.375"-16 X 4.00" X 4.06" U-BOLT	2
39		210-00211	.563"-12 X 3.25" HX HD BOLT	8
40		210-00240	.50" SAE FLAT WASHER ZINC	8
41		210-00330	.438"-14 CENTERLOCK HEX NUT	32
42		214-00008	TONGUE JACK	1
43		219-00017	3-LEAF HOOK SPRING	4
44	4	229-00006	LICENSE PLATE BRACKET	1
45	4	229-00026	END CAP	2
46		229-00095	BUSHING	4
47	4	229-00209	PULLEY	2
48		229-00316	TUBE END CAP	4
49	4	229-00342	BUSHING	1
50		234-00032	TRAILERING CHECKLIST	1
51		234-00060	LOGO	2
52		300-00016	EQUALIZER WELDMENT	2
53		300-01107	CARRIAGE WELDMENT	1
54		300-01247	PIVOT TUBE WELDMENT	2
55		300-01666	PIVOT TUBE WELDMENT	8
56	4	300-01667	TAIL LIGHT BRACKET L.H.	1
57		300-01668	TAIL LIGHT BRACKET R.H.	1
58		300-01796	SPRING HANGER WELDMENT	2
59		300-01798	FRAME WELDMENT	1
60	1	310-00393	WINCH ASSY	1
61	4	310-00550	ROLLER ASSY	2
62		310-02221	AXLE ASSEMBLY	1
63		310-02234	AXLE ASSEMBLY	1
64	2		TIRES	4
			SEE OPTIONS	4

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APPROVED BY:
DAD
DRAWN BY:
MATTHEW J. HEINEN
DATE: 4/10/2007
SHEET: 2 OF 7
SCALE: N/A

KARAVAN
TRAILERS

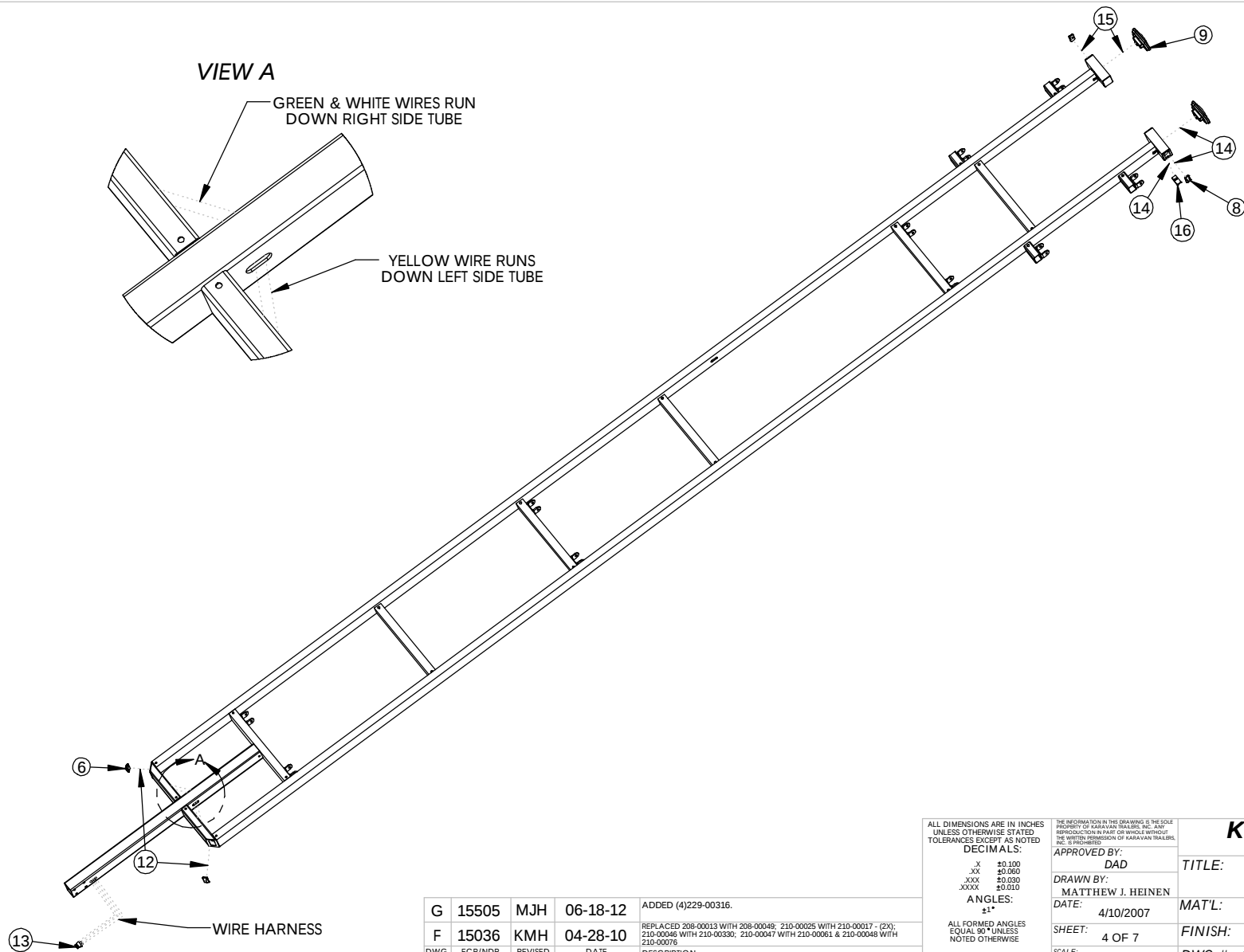
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MAT'L: SEE B.O.M.
FINISH: N/A
DWG. #: KPS-224-SPRING

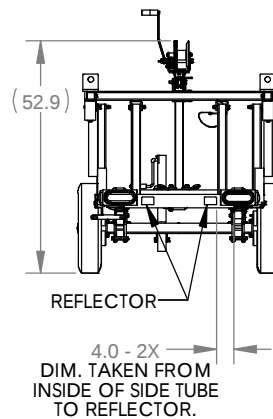
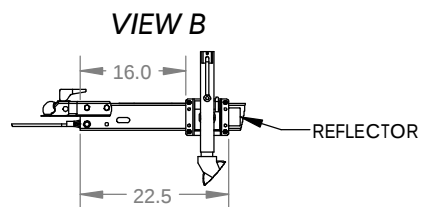
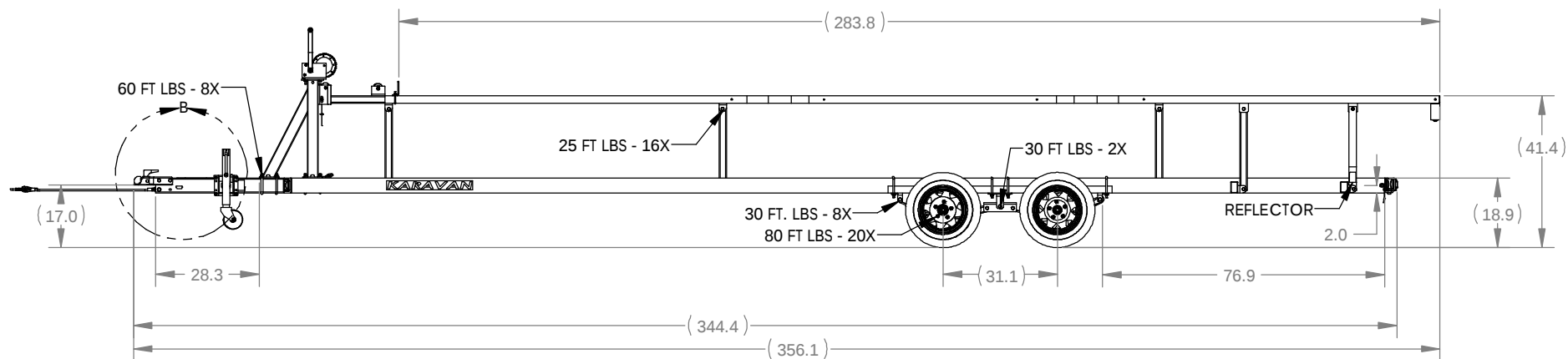
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DWG. REV.	ECR/NDR NUMBER	REVISED BY	DATE	DESCRIPTION

OPTIONS		
KPS-224- 4.80 X 12C	PARTS	KPS-224- 5.30 X 12D
220-00019	TIRES	220-00060

G	15505	MJH	06-18-12	ADDED (4)229-00316.
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DWG. REV.	ECR/NDR NUMBER	REVISED BY	DATE	DESCRIPTION

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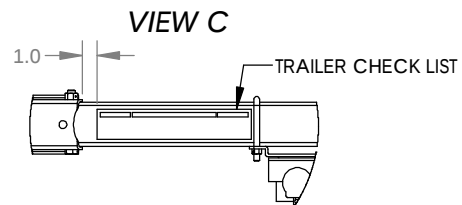
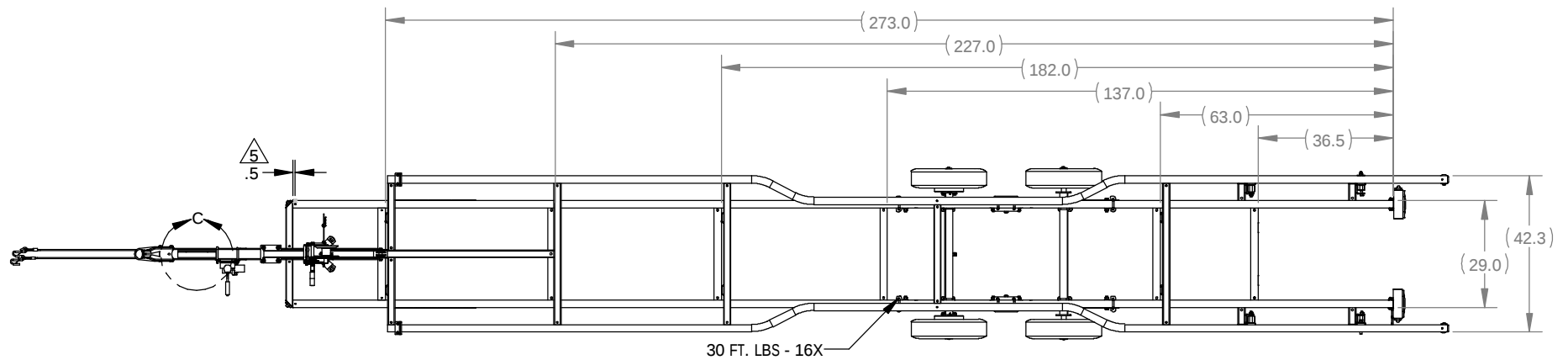


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DRAWN BY:
MATTHEW J. HEINEN
DATE: 4/10/2007
SHEET: 5 OF 7
SCALE: N/A

KARAVAN TRAILERS	
TITLE:	KPS-224 (SPRING)
MAT'L:	SEE B.O.M.
FINISH:	N/A
DWG. #:	KPS-224-SPRING



NOTES:

5 DIMENSION INDICATES THE SET LOCATION OF THE RIGHT EDGE OF THE PIN STAMPER.

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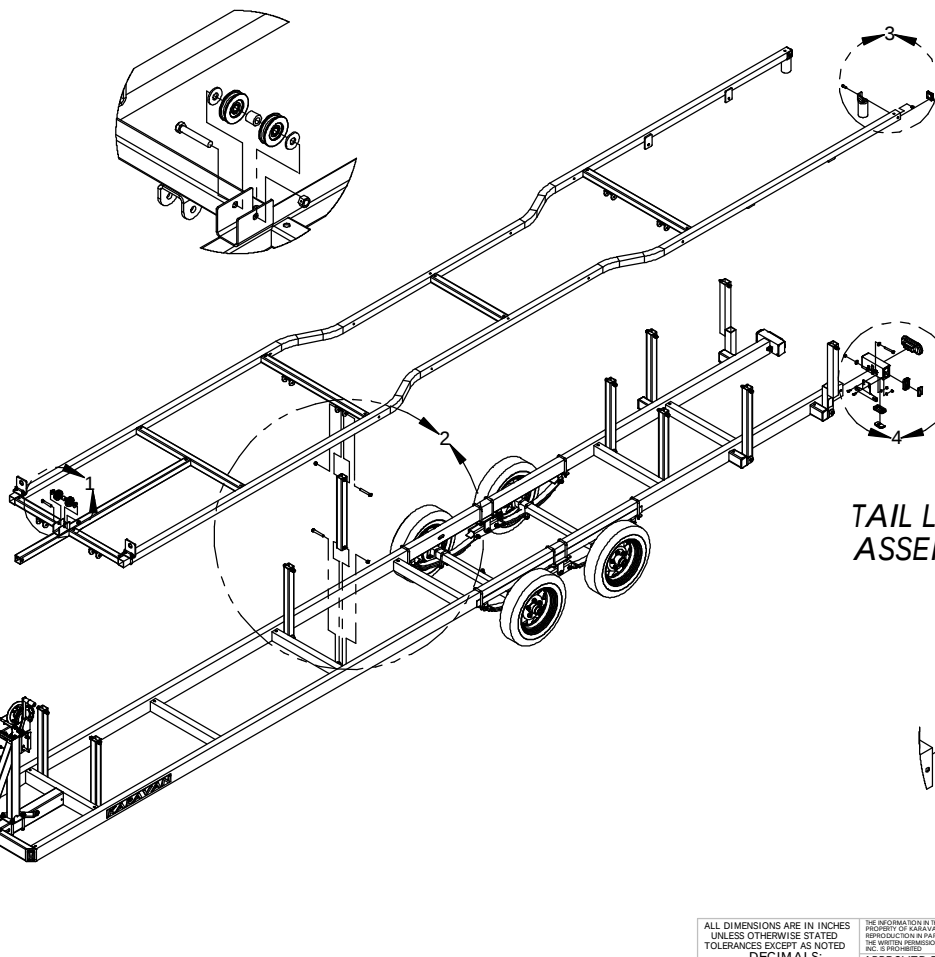
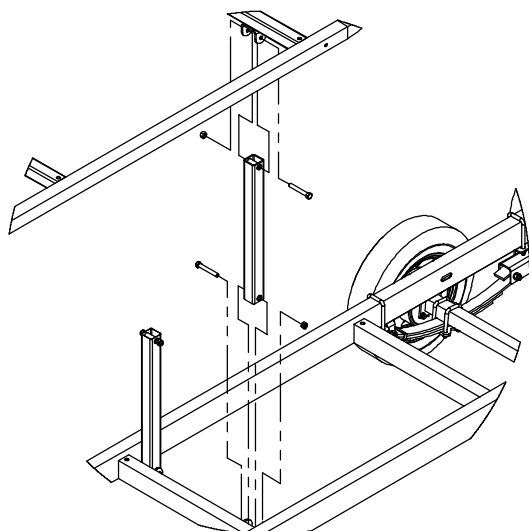
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PULLEY ASSEMBLY INSTRUCTIONS

VIEW 1

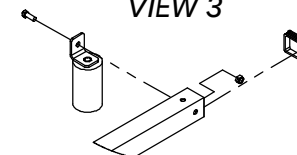
CARRIAGE PIVOT ASSEMBLY ASSEMBLY INSTRUCTIONS

VIEW 2



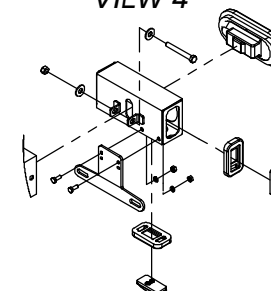
ROLLER ASSEMBLY INSTRUCTIONS

VIEW 3



TAIL LIGHT/LICENSE PLATE ASSEMBLY INSTRUCTIONS

VIEW 4



G	15505	MJH	06-18-12	ADDED (4)229-00316.
F	15036	KMH	04-28-10	REPLACED 208-00013 WITH 208-00049; 210-00025 WITH 210-00017 - (20); 210-00046 WITH 210-00330; 210-00047 WITH 210-00061 & 210-00048 WITH 210-00076
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DRAWN BY:

MATTHEW J. HEINEN

DATE: 4/10/2007

SHEET: 7 OF 7

SCALE: N/A

KARAVAN
TRAILERS

TITLE: KPS-224
(SPRING)

MAT'L: SEE B.O.M.

FINISH: N/A

DWG. #: **KPS-224-SPRING**