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SUSPENDED VB SYSTEM, ELEC NET ADJ W/REF

DRAWN	CROSBY	DATE	7/2/2019	DATE ISSUED
APPROVED		DATE		

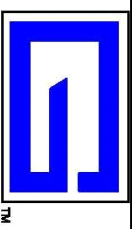
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SIZE	SCALE	SHT. NO.	PART NO.	REV
A	1 OF 3			A



Gared Holdings, LLC
9200 E. 146th St.
Noblesville, IN 46060

REV	A	MJP	03-01-21
		BY	DATE



MODEL 810IR-ENA

CEILING SUSPENDED VOLLEYBALL SYSTEM W/ ELECTRIC HEIGHT ADJUSTER & INTEGRAL REFEREE STAND

RECOMMENDED APPLICATION

Top quality unit for use in facilities where frequent volleyball court set-up is required. Meets all grade school, middle school, YMCA, club, USVBA, NFHS, and NCAA requirements for competitive play.

FRAMES

System will be comprised of two vertical frame members hinged at the truss connection point to allow the system (net, frames, padding, antenna, ref stand, etc.) to fold as a single unit. Frames shall be 4" square heavy wall tubing. Frames shall be laterally braced by means welded truss bridge and a 1 1/2" x 2 1/2" rectangular sway brace. Frames shall be folded to the stored position by means of a 3/4 hp, dual drum electric winch model 8194. A folding brace shall lock the frames in a playing position and be of a jackknife design with an adjustable hinge for easy installation and field adjustment. The frames will utilize electrically actuated net attachment rails that have net height adjustment between 7'-0" to 8'-0" with net under tension. Two 1/8 hp 115v 1ph gear motors and screws are controlled by limits that shall automatically stop actuator at selectable men, women, or youth net height. Both motors are wired to operate up or down from a single power source and key switch or TSC control. An addition key switch or TSC signal activates a limit for stopping at women's net height.

REFEREE STAND

The referee stand is included as an integral piece of the system. The stand may be placed at either end of the net during installation. The stand is positioned inside of the frame and helps support the net load. Referee shall enter platform from side away from court. Referee stand padding is provided.

NET TENSIONER (WINCH)

The net cable tensioner shall incorporate a heavy duty, self-locking worm gear mechanism. A high tensile nylon strap will be used with the winch to achieve required net tension.

NET

Net features include 5/8" diameter fiberglass dowel and 4" square black nylon mesh (250-lbs tensile strength) for excellent performance and durability. Free floating net along a 5/32" [4.0 mm] diameter steel 7 x 19 cable (2,000-lbs. Minimum breaking strength) allows for quick and easy centering of net about the court lines. Nylon straps with metal clips are used to secure net in place. Net shall be 32" length and 39" width. Net perimeter shall have a 2" wide vinyl coated polyester hem that is double stitched. Net meets or exceeds all requirements for most levels of competition.

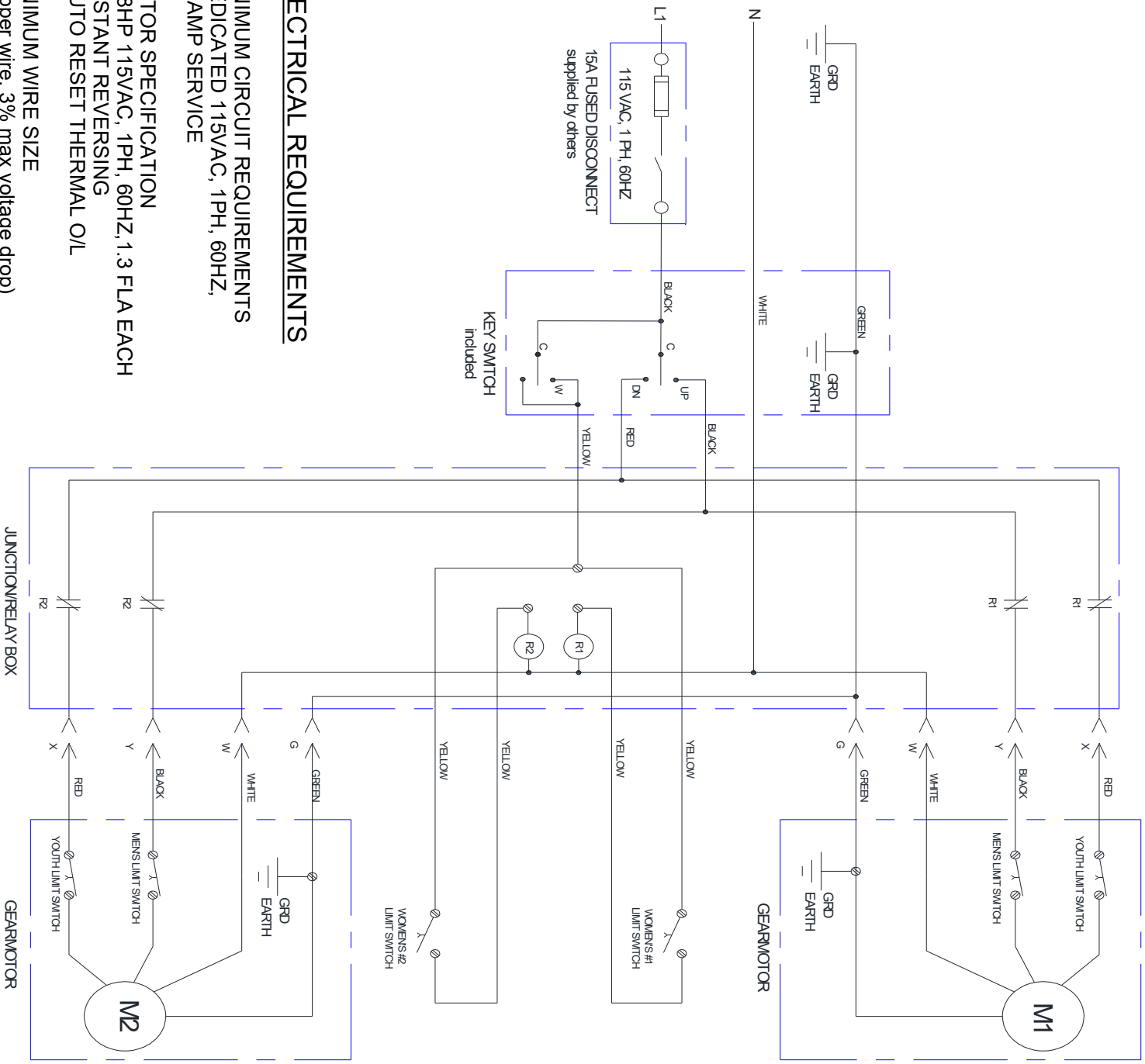
UPRIGHT PADS

Upright safety pads shall be one single piece, protecting 78" in height above floor. Padding shall be constructed with 2" thick cross-linked polyethylene closed cell foam covered with 14-ounce nylon reinforced vinyl. Attachment to uprights shall be with Velcro® straps. Standard Colors are: white, yellow, orange, red, kelly green, forest green, royal blue, marine blue, navy blue, gray, black, maroon, beige, and purple.

NET ANTENNA AND TAPE

Net antenna shall be 3/8" diameter fiberglass rods 72" long with alternating red and white bands. Net tape shall be white nylon reinforced vinyl 2 1/2" wide with full-length pocket to accept the antenna. Attachment to net shall be full-length quick action Velcro® closures.

Subject to design change and current manufacturing practices.
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ELECTRICAL REQUIREMENTS

MINIMUM CIRCUIT REQUIREMENTS
 -DEDICATED 115VAC, 1PH, 60HZ,
 15 AMP SERVICE

MOTOR SPECIFICATION
 -1/8HP 115VAC, 1PH, 60HZ, 1.3 FLA EACH
 -INSTANT REVERSING
 -AUTO RESET THERMAL O/L

MINIMUM WIRE SIZE
 (copper wire, 3% max voltage drop)
 0-350 ft..... 12 ga.
 350-550 ft..... 10 ga.



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WIRING SCHEMATIC, 8100-ENA

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