



## **PSR 36,000 Pole Rack Storage System Safety & Operating Manual**

Rated Capacity: 36,000 lbs

Maximum Poles: Approximately 30 (with combined weight less than 36,000 pounds)

System Configuration: Two Rack Bunks

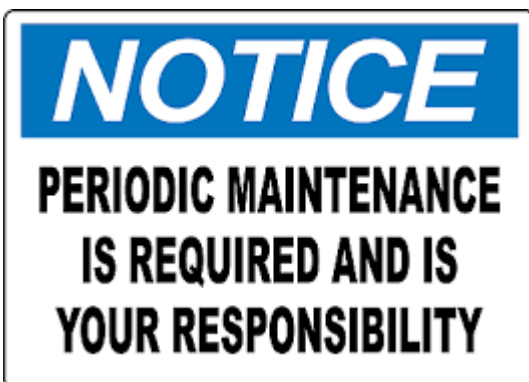
**WARNING:** Failure to follow all safety instructions may result in serious injury, death, or property damage. Only trained and authorized personnel may operate or load the PSR 36,000 system.

## Revision Control

| Revision | Date | Description   | Approved By  |
|----------|------|---------------|--------------|
| 1.0      |      | Initial Issue | Manufacturer |

## Safety Symbol Legend

- 1 WARNING – Hazard that could result in injury or death
  - 2 PROHIBITED – Action must not be performed
  - 3 REQUIRED – Action required for safe operation
- MAINTENANCE – Inspection or servicing required



# Rated Capacity Diagram

Pole Stack (Maximum 30 Poles)

Pole Stack (Maximum 30 Poles)



Two Rack Bunks Supporting Distributed Load

Two Rack Bunks Supporting Distributed Load

The PSR 36,000 rack system must never exceed a total distributed load of 36,000 pounds.



## Manufacturer Safety Statement

The manufacturer certifies that the PSR 36,000 pole rack storage system has been designed for the safe storage of hydro and utility poles when operated within rated limits. Owners and operators are responsible for proper installation, inspection, maintenance, and safe operation.

## Load Stacking Examples

Correct Stacking



Incorrect Stacking



Correct stacking distributes weight evenly across both racks. Uneven stacking can result in pole roll-off or rack instability



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## Operating Safety Rules

- 1 Do not exceed the rated capacity of 36,000 lbs.
- 2 Do not stack more than 30 poles.
- 3 Do not allow children or untrained personnel near the rack system.
- 4 Do not play, climb, or sit on the rack system.
- 5 Ensure removable arms and pins are installed before loading.
- 6 Only trained personnel may load or unload poles.
- 7 Never stand under suspended loads.

Use approved lifting equipment.



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## Bi-Annual Inspection Checklist

| Inspection Item                       | Pass/Fail | Notes |
|---------------------------------------|-----------|-------|
| Inspect I-Beams for cracks or bending |           |       |
| Inspect removable arms for damage     |           |       |
| Verify all locking pins are present   |           |       |
| Inspect welds for cracking            |           |       |
| Inspect foot plates for distortion    |           |       |
| Check powder coating for corrosion    |           |       |
| Ensure rack is level and stable       |           |       |



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## Inspection Log Record

| Date | Inspector | Inspection Type | Notes |
|------|-----------|-----------------|-------|
|      |           |                 |       |
|      |           |                 |       |
|      |           |                 |       |
|      |           |                 |       |
|      |           |                 |       |
|      |           |                 |       |

### Out of Service Tagging Procedure

- 1 Stop using the rack immediately if any damage is discovered.
- 2 Attach an OUT OF SERVICE tag to the rack system.
- 3 Record the damage in maintenance records.
- 4 Notify the responsible supervisor.

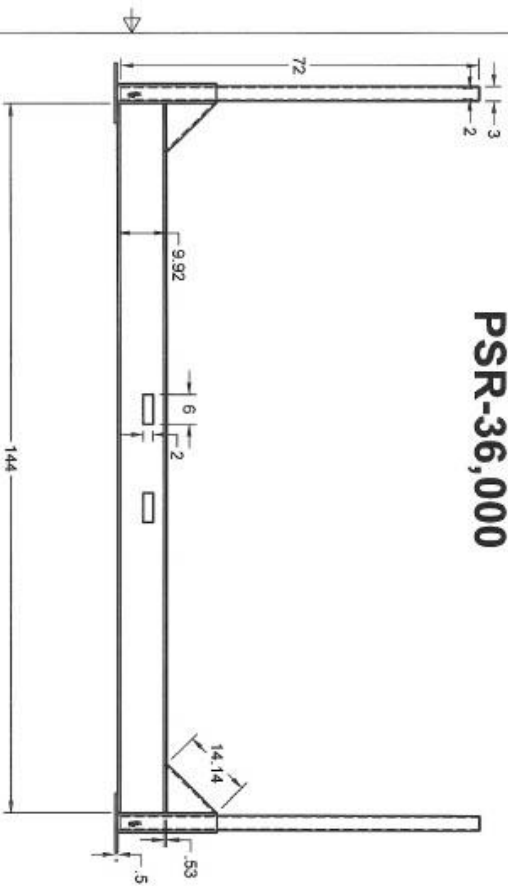
Do not return the rack to service until repaired and inspected.



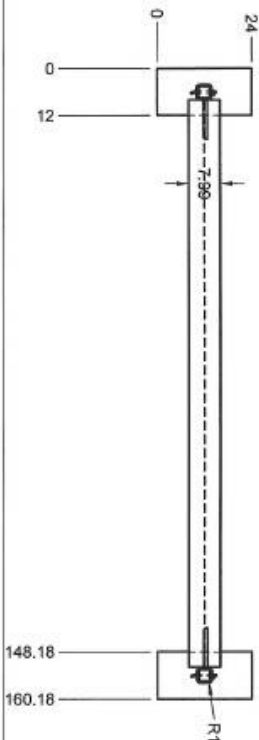
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# PSR-36,000



- Pole Storage Rack – Key Specifications**
- System Capacity:**
    - Designed to support up to 36,000 lbs total load
    - Two (2) rack units required to function as a complete pole storage system
  - Primary Structure:**
    - Constructed from 8" wide x 10" tall structural I-beam
    - Beam length: 12 feet
    - Beam weight: 39 lbs per linear foot
  - Foundation & Support:**
    - Mounted on 12 ft x 24 ft concrete pads
    - Integrated steel pockets for secure cradle arm installation
  - Cradle Arm System:**
    - Pinned cradle arms designed to safely support and retain hydro poles
    - Allows for stable loading, storage, and removal of poles
  - Finish:**
    - Final assembly to be powder coated blue for durability and corrosion resistance.



|                                  |  |                          |  |
|----------------------------------|--|--------------------------|--|
| PROJECT                          |  | SAMSUN Industrial Design |  |
| TITLE                            |  | PSR 36,000               |  |
| DESIGNED BY: SAMSUN SAWYER-BROWN |  | Utility & Storage        |  |
| APPROVED                         |  | PSR-36,000               |  |
| CHECKED                          |  | PSR-36,000               |  |
| DRAWN                            |  | PSR-36,000               |  |
| SCALE 1:20                       |  | WEIGHT 740 LBS           |  |
| SHEET 1/1                        |  | SHEET 1/1                |  |