

Mobile Readiness Inventory & Warehouse Optimization



Scott Schilling
Director of Marketing/Business Development
FieldFLEX Mobile
[*sschilling@fieldflex.com*](mailto:sschilling@fieldflex.com)
(530) 919-4631



ENTERPRISE MOBILE APPS FOR
MAXIMO AND TRIRIGA

The importance of Inventory & Warehouse Optimization

Inventory and warehouse optimization ensures that the right maintenance parts and materials are readily available, reducing downtime and minimizing costs, which in turn supports a successful maintenance program.

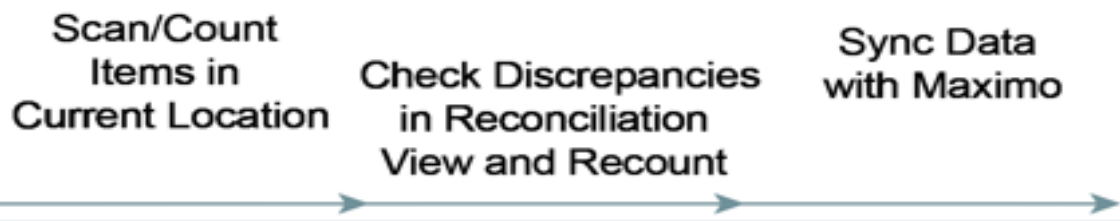
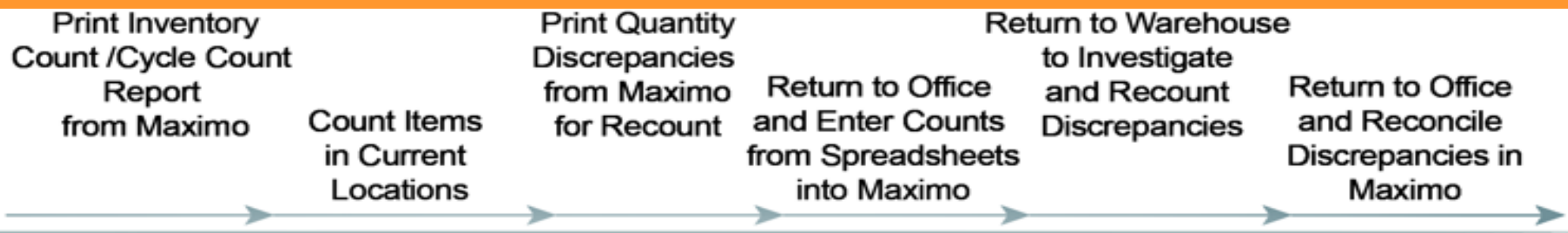
Requirements Gathering Warehouse / Inventory Optimization

- What departments will you be supporting?
- What are some of the key drivers for this effort?
- Utilization of warehouse space
- Storage planning
- Bar code labeling your warehouse locations
- Organization of inventory
- Prioritizing items (ABC types, order lead times, etc.)
- Best practices for keeping your inventory item master clean
- Purging the warehouse of non-essential items
- Turning dormant surplus inventory / equipment into dollars

Mobile Considerations for Inventory & PO Receiving

- Search inventory
- Inventory Balance Adjustments
- Cycle Counts (by ABC item classification)
- Automatic Inventory Reconciliation
- Inventory Transfers / Storerooms - Bins
- Issues / Returns
- Reserved Materials & Inventory Pick Lists
- Inventory usage (Maximo 7.5 and above)
- Inventory Item Master Access
- Bar Code Label Printing From Software
- Purchase Order Receiving / Barcode labeling
- Tool Tracking

Physical Inventory Process “Old School” vs “New School”



Example - Hard to find / Difficult to Count



Small Parts Organization

Quick & Easy to Locate & Count



Location Labeling



ROW - 4

ROW - 3

BAY 1

BAY 2

BAY 3

BAY 4

BAY 5

BAY 6

**Smart Bin Location Label
Numbering System
Example**



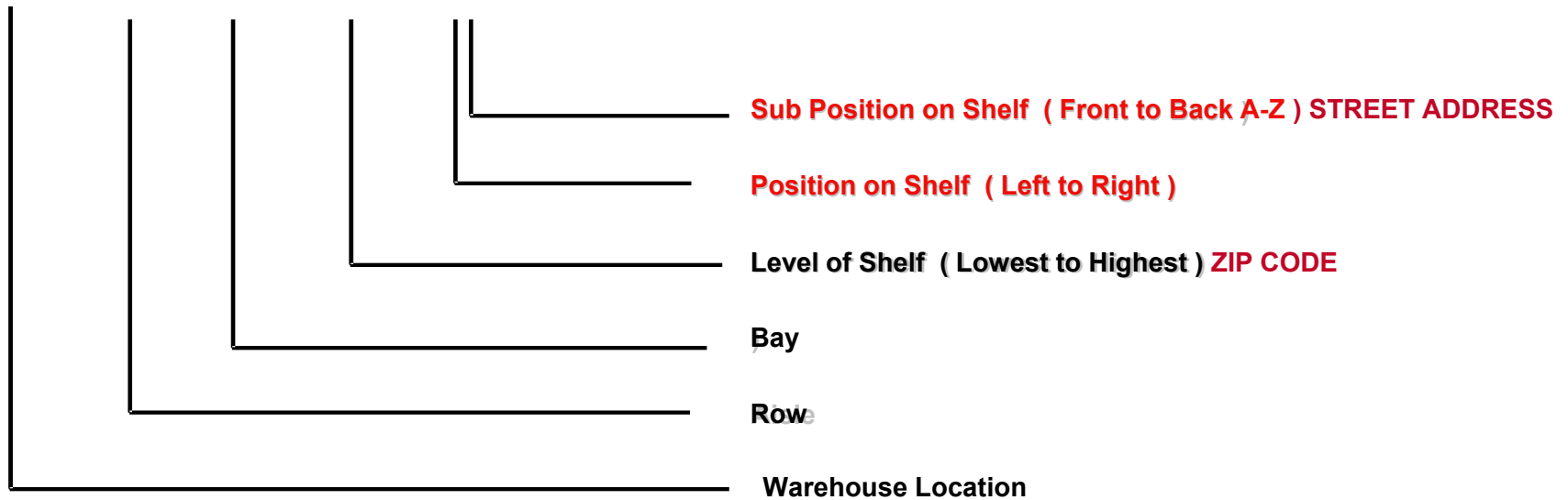
WH1-03-06-08-2B

Building a “Smart” Bar Code “Location”

Inventory Location Logic

“ Smart Bin Number System ”

AAN N-N N - N N-N N,A
XXX - XX - XX - XX - XX



SMART LOCATION EXAMPLE :

WH1 -12 -01 -02 -2C

WH1 Warehouse Location



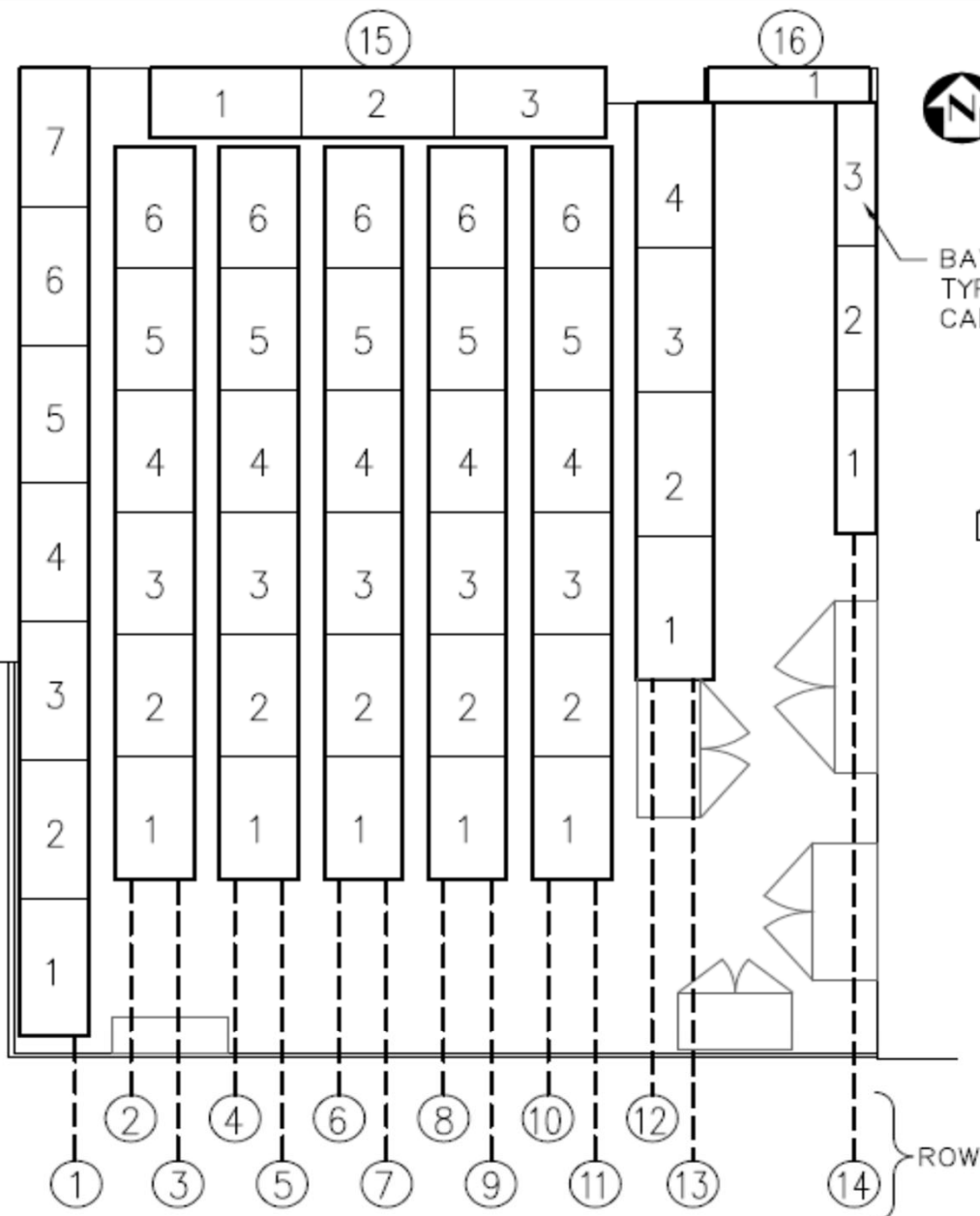
12 : Row 12 (started at designated corner of warehouse)

01 : Bay location

02 : Second shelf up from floor

2C : Second location from left, 3rd location back from front of drawer

SMART Warehouse Location Labeling Plan



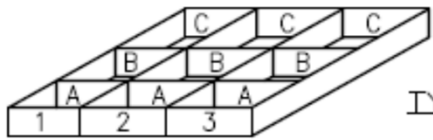
BAY TYPICAL CALLOUT

1414-1-2-3-4A

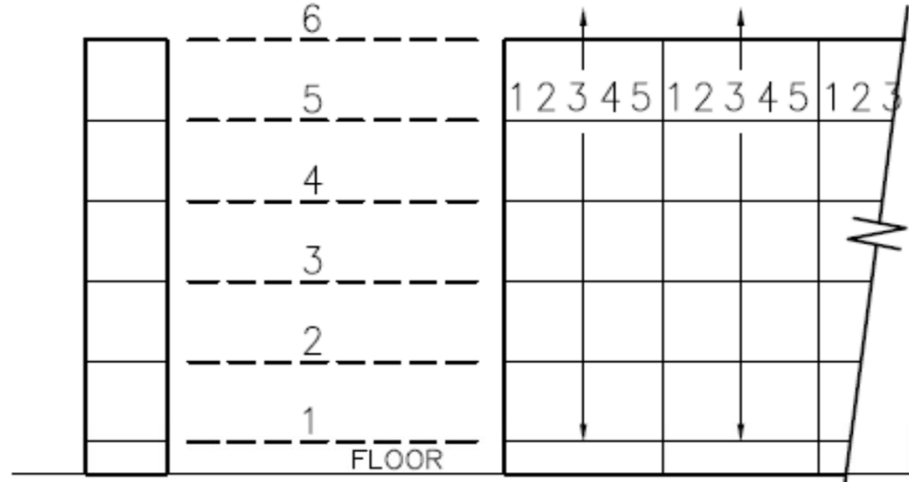
- SUB-POSITION ON SHELF FRONT TO BACK A-Z
- POSITION ON SHELF LEFT TO RIGHT
- SHELF LEVEL
- BAY
- ROW
- ROOM

EXAMPLE: 1414-6-4-2-2C

LEGEND



SUB-POSITION ON SHELF FRONT TO BACK A-Z
TYPICAL AS REQUIRED PER BAY
OBLIQUE PROJECTION



SHELF LEVEL LABELING
END VIEW OF ROW

POSITION ON SHELF LEFT TO RIGHT
TOP TO BOTTOM
TYPICAL AS REQUIRED PER BAY
ELEVATION VIEW

Bar Coded Locations & Items



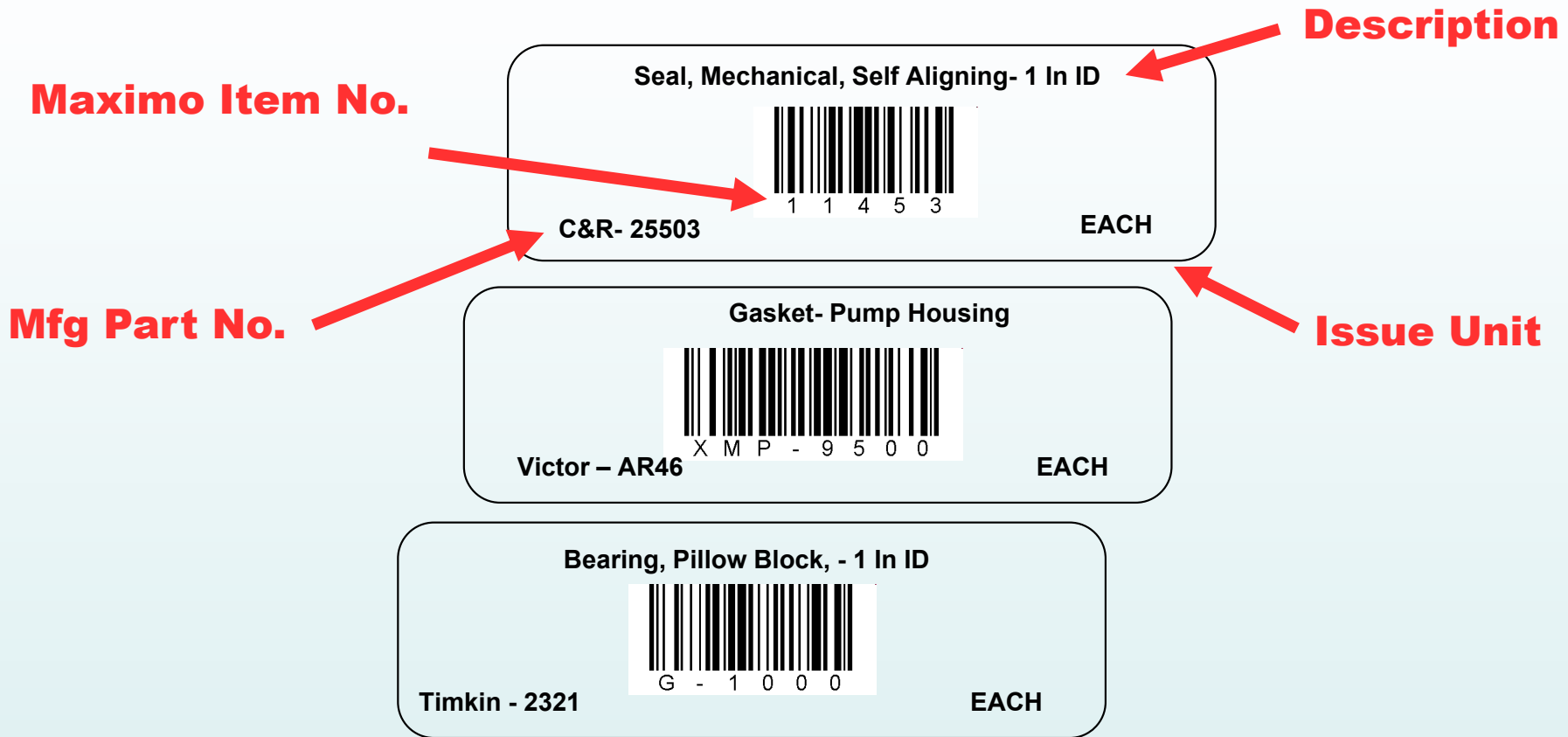
Example: QR Code Location Labeling

QR Code 3"x 1" Item Label



Note: Location should not be identified on the item label to allow for location movement without creating replacement item labels

Item Label Example



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