1. What are the specific requirement for contractors coming on-site to perform the work? Any type of clearance needed? **Must have a REAL ID. Must be able to pass background check, individuals with ANY warrants will be detained for authorities, all Foreign Nationals will require additional clearance checks and background check may take longer**
2. How far apart are the anchors on the guardrail? What size are the anchors? (phase 1 item 1) **OSHA standards**
3. What kind of bollards are we removing? A picture would be great (p1i2) **Plated Bollards**
4. A layout drawing of the new location of the existing racks (p1i5,6). **There are many options depending on Equipment Rack configuration determined by each contractor**
5. A layout drawing for the new racks (p2i1) **There are many options depending on Equipment Rack configuration determined by each contractor**
6. What does "guard extensions" and "countersunk mounting holes at each joint" mean? (p2i4) **Please see page 5 of attachment**
7. Is a complete Bill of Materials (BOM) available for the new pallet rack system? Not provided by requester. **There is no BOM for this requirement.**
8. For the approximately 390 LF / 254 pallet positions of new pallet racking, how many beam levels are required per bay? The specifications indicate 3 to 4 levels, but the exact configuration per bay is not provided. **Various levels are required depending on where in the warehouse the row is installed.**
9. What are the required beam elevations for each rack level? **Various levels are required depending on where in the warehouse the row is installed**.
10. For the approximately 390 LF of industrial-grade guide/guardrails:
    • What is the required height of the guardrail? **It's not a guardrail….it's Floor anchored guiderail…height is 4"**
    • How and where will the guardrail be utilized? **It's not a guardrail….it's Floor anchored guiderail to prevent damage to pallet rack**
    • Will the guardrail be installed directly in front of or alongside the pallet racks, or in other designated areas? **It's not a guardrail….it's Floor anchored guiderail to prevent damage to pallet rack and will be anchored alongside of any exposed pallet rack upright stanchions and floor level horizontal Beams to prevent damage**
11. For the required row spacers between pallet rack rows, what spacer size is required (for example, 6", 8", 10", or another dimension)? **12"**
12. Please confirm the number of levels per shelving bay,
13. Are drawings available for this solicitation? **Please see below regarding this question.**

Labor:

The entire Warehouse is going to have to be reconfigured. In order to do this the following actions must happen:

Phase 1:

1. Remove 180' of Industrial Grade Guide/Guard Rails with extensions anchored into concrete
2. Remove 6 bollards and repair concrete floor in aisles to prevent damage to wheels of material handling equipment
3. Disassemble 180' of Pallet Racks 180' (2 runs of 90', 3 levels, 48" deep and 20' tall {132 positions})
4. Removing old floor anchors from pallet racks and 180' of Industrial Grade Guide/Guard Rails with extensions. They should be ground flush and sealed over in aisles to prevent damage to wheels of material handling equipment.
5. Layout new warehouse configuration. This must be very precise with no room for error to accommodate the installation of another Pallet Rack row.
6. Relocate and reinstall items from item #1,2, and 3 to OSHA standards (Note Bollards will have to be replaced)

Phase 2:

1. Layout new warehouse configuration. This must be very precise with no room for error to accommodate the installation of 4 new Pallet Rack rows.
2. Install new Pallet Racks (390' {254 pallet positions} 3 to 4 levels to OSHA standards. Note Spacers required between rows for fire safety
3. Install **24 each** 5.5" O.D. Bollards (42" tall) Bollards to for all new Pallet Racks to OSHA standards. Color is Safety Yellow with Black caps
4. Install new **390'** of Industrial Grade Guide/Guard Rails (4"x4" x1/2" Angle painted safety yellow) with guard extensions where applicable to OSHA standards. Rails must have countersunk mounting holes at each joint to

prevent damage to Material Handling Equipment (Warehouse Turret Trucks, Lifts, etc)

Materials: Pallet Racks:

1. Must be Husky Brand and match existing (OSHA)
2. Must be welded
3. 3 different height levels of pallet racks (22', 16', and 12')
4. Stanchions required are 25 each of the 22' / 9 each of the 16' / 10 each of 12'
5. All racks will be 42" Wide
6. Support Beams (5.5" x 108") Must be rated at 9100 lbs or greater
7. Support Beams (6.0" x 168") Must be rated at 6100 lbs or greater
8. Wire Decks must be Mesh and Gauge 2.5x4 X 6 Gauge-192 Galvanized Wire and Capacity 3000 or greater
9. Color: Gray (to match existing shelving)
10. US Steel is a must. American steel generally has lower oxidation levels and higher strength, whereas some foreign imports, particularly from China, have been associated with safety hazards like boron-induced cracking.

Why Husky Brand Welded Pallet Racks? # 1 reason is SAFETY! Our IPE warehouse is 100% Husky and mixing pallet rack manufacturers (e.g., using Brand A beams with Brand B uprights) is a major OSHA compliance concern because it violates manufacturer load specifications and, under the General Duty Clause, creates recognized safety hazards. Mixing components alters structural integrity, invalidating engineering load ratings, increasing collapse risks, and often leading to failed inspections.

We've had zero problems with our Husky shelving for almost 20 years. We can adjust racks configurations and not worry about "mixing" other name brand components which could violate OSHA standards, lead to structural instability due to improper connections which puts it at high risk of risk of failure and collapse. This manufacturer's products have exceptional strength and durability comes from the fully welded, high-grade U.S. steel construction ensures stability under high-density loads. No weld breaks despite the constant impact from material handling equipment.

1. High Load Capacity: Pallet racks can support over 20,000 lbs depending on configuration.
2. Easy "Teardrop" Installation: Standardized, compatible with other major brands and requires no special tools to connect beams to uprights.
3. Versatile Design: Adjustable shelf heights allow for customization, typically in 1.5-inch increments.
4. Safety and Standards: Systems are often RMI (Rack Manufacturers Institute) certified and include features like safety clips to ensure secure, compliant storage

Again, mixing warehouse shelving components from different manufacturers creates significant safety risks, primarily structural instability and potential rack collapse, as components like beams and uprights are rarely truly compatible. Even if components look similar, variations in steel gauge, locking mechanisms, and engineering designs can lead to faulty connections, reduced load capacities, and severe injury.

1. System Failure and Collapse: Incompatible beam end connectors may not seat properly in upright columns, creating loose connections that can detach during routine forklift operations or due to load pressure.
2. Reduced Load Capacity: Mixing brands can reduce the overall load-bearing capacity of a racking system below its engineered rating, causing hidden weaknesses that lead to collapse.
3. Voided Engineering Compliance: Mixing components often voids engineering stamps and violates safety standards like ANSI MH16.1, which can lead to failed safety inspections and legal liability.

14. The 3 to 4 levels of shelves need to be a little more specific. Husky won't quote it without that information- the reason being is that the capacity of the upright quoted is directly related to the number of shelves AND the placement (beam elevations) of those shelves. Once I have that information I can do a quick turnaround on the quote. **Requirement is for 254 pallet positions added , configuration layout varies per different contractor solutions but note 108" Beams have a 9100 lbs capacity and 168" Beams have a 6190 lbs Capacity.**
15. Capacity Chart attached. This is the reason we need to know the number of shelves, and where they will be on the upright. "Husky" will not quote it without that critical information. It might be as simple as finding out if they are putting them evenly spaced. ie: 3- beam levels on a 12' tall upright- shelves at 48" and 96" and

144”. **Requirement is for 254 pallet positions added , configuration layout varies per different contractor solutions but note 108” Beams have a 9100 lbs capacity and 168” Beams have a 6190 lbs Capacity.**