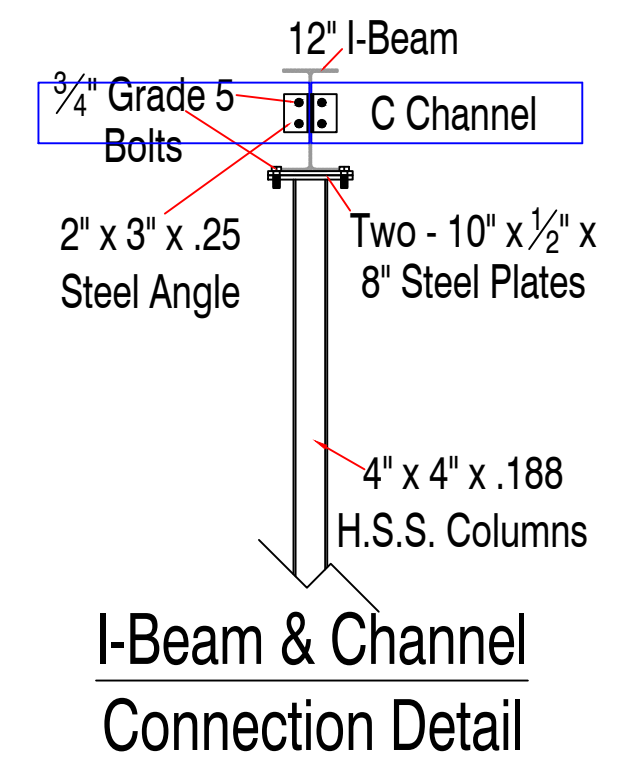
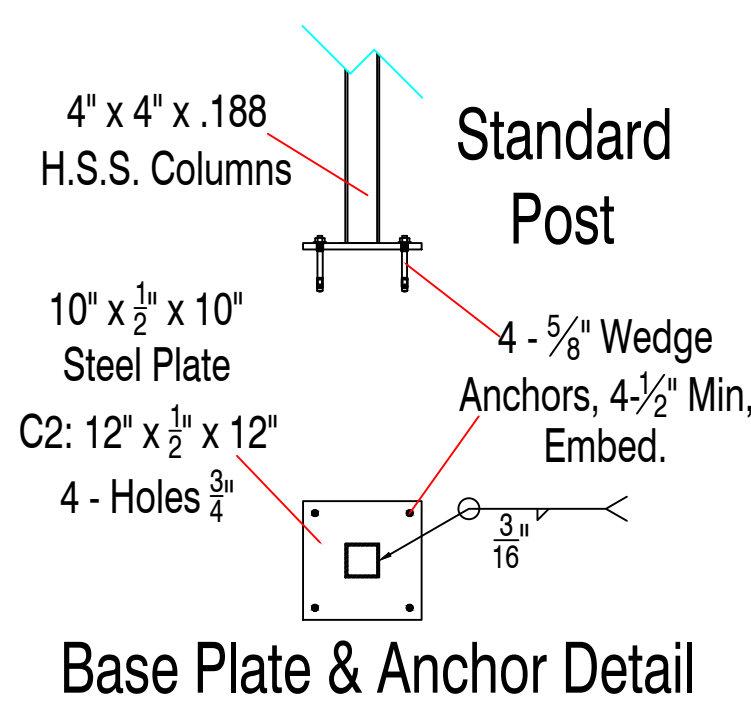


**PLAN VIEW**  
Free Standing Steel Platform System

**PLATFORM 9'-2-1/2" TOP HEIGHT**  
8'-1-3/4" Clear

**PLATFORM 12'-0-5/8" TOP HEIGHT**  
11'-0" Clear



**LEGEND**

--- HANDRAIL (DASHED LINE) ---

**CUSTOMER APPROVAL**

COMPANY NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NAME (PLEASE PRINT) : \_\_\_\_\_  
 LOCATION: \_\_\_\_\_  
 TITLE: \_\_\_\_\_  
 SIGNATURE: \_\_\_\_\_

**SHELF & RACK STORAGE SYSTEM NOTES:**

Supplier: KING MATERIALS HANDLING  
 RE: Qualtech Seating Systems (Magna)  
 Load Capacity: 125 lbs. per sq. ft.(U.D.L.)  
 Floor: 1 1/2" - 22 gauge roof deck (Galvanized) and 5/8" T & G plywood overlay  
 Posts: 4" x 4" x .188 h.s.s. columns  
 Base Plates: 10" x 1/2" x 10" steel plates / C2: 12" x 1/2" x 12" steel plates  
 Anchor Bolts: 4 - 5/8" dia. hilti kwikbolts x 4 1/2" embedment  
 Knee Braces: 2" x 2" x 3/16" steel angle  
 Handrail Details:  
 Handrail: 42" high  
 Vertical Rails: 2" x 2" x .188 h.s.s. squares  
 Horizontal Rail: 2" x 2" x .100 (hand rail) h.s.s. squares  
 Wire Mesh Panels: 2" x 2" x 10 gauge  
 Kick Plate: 5" high, 18 gauge steel plate  
 Stair Details:  
 Incline rails: 3 - 1-1/2" x 1-1/2" x .100 h.s.s. rails (hand rail), inclined not greater than 38 degrees with the horizontal  
 Vertical rails: 1-1/2" x 1-1/2" x .100 h.s.s. rails  
 Stair stringer: 2 - junior channels, C10 x 8.4 Lbs.  
 Stair Tread: 10 15/16" x 36" checker plate / Riser - not more than 7 7/8", Tread - not less than 10" with exclusive of nosing  
 ALL STRUCTURAL STEEL CSA G40.21 - 350W, except channels

**ADDITIONAL NOTES:**  
 1. Structural Design of Entire System are designed in accordance with the Ontario Building Code Part 3 / Division B, 2012 Edition.  
 2. Shelf, Rack & Storage System designed in accordance with Ontario Building Code section 3.16  
 3. 2. All Structural Steel to comply with the provisions of CSA-G40.21-350W with a minimum yield of 50 ksi.[except Channels G40.21 - 300W - 44 ksi]  
 4. Hot Rolled Steel Members to be designed to Can/CSA-S16.1 Limit States Design of Steel Structures.  
 5. All Bolts 1/2" and over must be SAE Grade 5.  
 6. All Welding shall be carried out in accordance with Canadian Welding Bureau CSA Standard W47.1-1983 in DIVISION 2.1.  
 7. One coat of Shop Air Dry Enamel shall be in conformance with Canadian General Standard Board 1-GP-40d.  
 8. As per OBC 2012, deflection due to live load shall not exceed:  
 a) 1/240 of the span for members supporting floors.    b) 1/240 of the span for the decking.  
 9. Design Load: 125 lbs. per sq. ft. plus Dead Load.  
 10. All Beams sizes & types as noted on details.  
 11. ONLY QUALIFIED INSTALLERS TO ERECT THIS PLATFORM SYSTEM.  
 12. ALL BUILDING PERMITS ARE TO BE ACQUIRED BY THE CUSTOMER.  
 13. CUSTOMER/OWNER OF BUILDING TO ENSURE THE CONCRETE SLAB ADEQUATE TO SUPPORT PLATFORM SYSTEM.

**KING MATERIALS HANDLING**

1464 Crumlin Road  
 London, Ontario, N5V 1S1  
 Tel: (519) 663-1036  
 Fax: (519) 663-0785  
 Contact: Andrew Selmes



**Qualtech Seating Systems**

3915 Commerce Road  
 London, Ontario, N6N 1P4  
 Tel: (519) 644-1221  
 Fax: (519) 644-0196



**PROJECT:** FREE STANDING STEEL SHELF & RACK STORAGE SYSTEM  
 Purchase Order No. 23647.00

**DRAWING NO:** JF224 19  
**SCALE:** N T S

Job No. 22419

**DRAWN BY:** Josh Fedrigo  
**COMMENTS:**

**COLOR:** Painted GREY, BLUE or BLACK  
 April 22, 26, May 17, 18, 2016

**BY:** [Signature]  
 S. SOUDACK  
 43703016  
 PROFESSIONAL ENGINEER  
 PROVINCE OF ONTARIO  
 Sigmund Soudack & Associates Inc.  
 Project No.: 2016-127  
 Stamp Date: May 2016