



**Wall Strut Schedule\***

Col 4 Wall	(6) 1/2" L, w(2) Screws Ea
Col 4 HS	(1) 1/2" L, w(2) Screws Ea
Hallway Wall	(17) 2 1/4" L, w(4) Screws Ea
Col 5 Wall	(17) 2 1/4" L, w(4) Screws Ea
Bin N Run#1 West	(8) 18" L, w(3) Screws Ea
Bin P Run#1 East	(6) 18" L, w(3) Screws Ea
Bin P Run#2 West	(6) 18" L, w(3) Screws Ea
Bin R Run#1 East	(6) 18" L, w(3) Screws Ea
Bin R Run#2 West	(6) 18" L, w(3) Screws Ea
Run#3 East	(6) 18" L, w(3) Screws Ea
Run#4 East	(6) 18" L, w(3) Screws Ea
* Wall Strut Spec: 1 1/2" x 1 1/2" x 1/4" S100 Steel	

**Hanger Spacing\***

Pipe Size (inches)	Span (feet)
1/2"	4
3/4"	4
1"	5
1 1/4"	7
1 1/2"	8
2"	8
2 1/2"	8
3"	10

- Notes:**
- All Ellbows are to be long radius. No exceptions.
  - All pipe to be Copper Tube, Type L, Per ASTM B 88.
  - Wet Solder Joint Fittings material and workmanship shall be in accordance with ASME/ANSI B16.2, "Wet Copper and Alloy Solder Joint Pressure Fittings."
  - No Ceiling Hangers are to be mounted on 2" x 4" wood joists, only purlins and Gypsum beams.
  - Hanger Types:
    - Strut: B-Line, #B1400 Series Hanger p 43 Cat #PHUR, 1 1/2" L-Strut, B-Line, # B22H178 Galv 12 Ga. Hanger Spacing per Water Filled per MSS SP-69, w/ 1/4" - 20 Channel Nut # N624W0 p 46 Cat # SS99
    - Horizontal Mount: B-Line, #B191-1/4" Series Straight J Hook p 38 Cat #PHUR. Lag screw size per manufacturer.
    - Vertical Ceiling Beam Mount: B-Line, #B199 B-Line, #B199 B-Line, Side Beam Connector. Use Copper Tubing Clinger Hanger B-Line, #B104CT, 1/4" Series P 146 Cat # PHER.
  - Ball Valves, 1/2" to 2" per MSS SP-10, NIBCO Bronze-FULL PORT #S-585-70, 600 psi rated, Solder Connection w/ TFE Seat.
  - Ball Valve 3", NIBCO Bronze CONVENTIONAL PORT #S-585-70, 600 psi rated, Solder Connection w/ TFE Seat.
  - Safety Vent Ball Valve, NIBCO Bronze FULL PORT #S-850-70-SV, 600 psi rated, NPT Connection w/ TFE Seat.
- THIS IS A DESIGN BUILD PROJECT. The equipment and details as shown on the drawings are intended to describe the general scope of work required and are not intended to be exact. Deviations may occur during field installation. Installer is contracted to perform design services, and field verify dimensions as required to complete the scope. Any major discrepancies in the drawings are to be reported to the owner and/or engineer prior to commencement of work affecting the contracted scope.

**Ref Drawing:**

- M-1 Equipment Plan E-1118
- M-2 Equipment List E-1115
- M-3 Packing Run #2 E-1121
- M-5 Blending System Gen Argumt E-1108




**COMPRESSED AIR PIPING**  
Dry Products Facility  
Hayward, Ca

Scale: 1/4" = 1'    By: M McCarron    E-1128 P-1  
REV: A    Date: 3/5/00