36" x 36" 0.100" aluminum panel

Vertical mast

5/16" (0.3125") grade 5 bolt attaching sleeve to vertical mast at the top

5/16" (0.3125") grade 5 bolt attaching vertical mast and sleeve to stub

Sleeve

Horizontal leg

~ 81"

Ballast - 120lb. maximum sandbag weight at end of each leg

Vertical stub is welded on all 4 sides to horizontal leg

Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) Vertical masts - 2" x 2" x 108" long.
(2) Sleeves - 2.25" x 2.25" x 36" long.
(2) Horizontal legs - 1.75" x 1.75" x 72" long.
(2) Legs, vertical stubs - 1.75" x 1.75" x 12" long.
Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) H skid, horizontal legs - 2" x 2" x 60" long.
(1) H skid, cross bar - 2" x 2" x 30" long.
(1) H skid, vertical stub - 2" x 2" x 12" long.
(1) Vertical mast - 2.25" x 2.25" x 60" long.
(1) Sleeve - 2.5" x 2.5" x 36" long.
Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) H skid, horizontal legs - 2" x 2" x 60" long.
(1) H skid, cross bar - 2" x 2" x 30" long.
(1) H skid, vertical stub - 2" x 2" x 12" long.
(1) Vertical mast - 2.25" x 2.25" x 96" long.
(1) Sleeve - 2.5" x 2.5" x 36" long.
Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) H skid, horizontal legs - 2" x 2" x 60" long.
(1) H skid, cross bar - 2" x 2" x 30" long.
(1) H skid, vertical stub - 2" x 2" x 12" long.
(1) Vertical mast - 2.25" x 2.25" x 72" long.
(1) Sleeve - 2.5" x 2.5" x 36" long.
Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) Vertical masts - 2" x 2" x 108" long.
(2) Sleeves - 2.25" x 2.25" x 36" long.
(2) Horizontal legs - 1.75" x 1.75" x 72" long.
(2) Legs, vertical stubs - 1.75" x 1.75" x 12" long.
Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
Optional lightweight amber flashing light is mounted to aluminum panel and against vertical mast to prevent spin.

- **48" x 48" 0.100" aluminum panel**

- **Sign hole punching**
  - 12"
  - 15"

**Vertical mast**

- **5/16" (0.3125") grade 5 bolt attaching sleeve to vertical mast at the top**

- **61.75"**

- **Horizontal leg**
  - **28.25"**

**Sleeve**

- **5/16" (0.3125") grade 5 bolt attaching vertical mast and sleeve to stub**

**Sign mounting detail**

- **3/8" steel washer**
- **3/8" nylon washer**
- **3/8" steel washer**
- **5/16" bolt**
- **Sign face**
- **Square tube**
- **5/16" nut**

**Ballast**

- **120lb. maximum sandbag weight at end of each leg**

**Vertical stub is welded on all 4 sides to horizontal leg**

**Parts List:**

All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.

1. **Vertical masts** - 2" x 2" x 108" long.
2. **Sleeves** - 2.25" x 2.25" x 36" long.
3. **Horizontal legs** - 1.75" x 1.75" x 72" long.
4. **Legs, vertical stubs** - 1.75" x 1.75" x 12" long.

Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
Optional lightweight amber flashing light is mounted to aluminum panel and against vertical mast to prevent spin.

Vertical mast

5/16" (0.3125") grade 5 bolt attaching sleeve to vertical mast at the top

5/16" (0.3125") grade 5 bolt attaching vertical mast and sleeve to stub

Horizontal leg

Sleeve

36" x 36" 0.100" aluminum panel

Sign hole punching

~ 74"

3/8" steel washer

3/8" nylon washer

5/16" bolt

5/16" nut

Sleeve

Sign face

Square tube

Ballast - 120lb. maximum sandbag weight at end of each leg

Vertical stub is welded on all 4 sides to horizontal leg

Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) Vertical masts - 2" x 2" x 108" long.
(2) Sleeves - 2.25" x 2.25" x 36" long.
(2) Horizontal legs - 1.75" x 1.75" x 72" long.
(2) Legs, vertical stubs - 1.75" x 1.75" x 12" long.
Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
Optional lightweight flashing amber light is mounted to aluminum panel and against vertical mast to prevent spin.

**Specifications:**
- **48" x 48" 0.100" aluminum panel**
- **Sign hole punching**
  - 12"
  - 15"
- **Sign mounting detail**
  - 3/8" steel washer
  - 3/8" nylon washer
  - 5/16" steel washer
  - 5/16" bolt
  - Square tube
  - 5/16" nut

**Dimensions:**
- **58.3125"**
- **12.5"**
- **31.5"**

**Notes:**
- Bottom of sign to ground shall be 13" to 14"
- Ballast - 45lb. maximum sandbag at end of each leg
- Vertical stub is welded on all 4 sides to horizontal leg

**Parts List:**
- All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
- (2) Vertical masts - 1.75" x 1.75" x 60" long.
- (2) Sleeves - 2" x 2" x 36" long.
- (2) Horizontal legs - 1.5" x 1.5" x 60" long.
- (2) Legs, vertical stubs - 1.5" x 1.5" x 12" long.
- Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.
- (1) Optional flashing warning light attached to sign panel.

**FHWA Reference:** HSA-10/WZ-133

** Approval Information:**
- **Approved Date:** 7/15/05
- **NCHRP 350 Compliant Portable Sign Stand for 48" x 48" Diamond**
- **Department of Transportation**
Optional lightweight flashing amber light is mounted to aluminum panel and against vertical mast to prevent spin.

- **Vertical mast**
- **Lower sign mounting bolts shall go through vertical mast and sleeve**
- **Sleeve**
- **Horizontal leg**
  - 12.5" 18-20"
  - 31.5"

Bottom of sign to ground shall be 18"-20"

Ballast - Approx. 45lb. sandbag at end of each leg

### Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) Vertical masts - 1.75" x 1.75" x 72" long.
(2) Sleeves - 2" x 2" x 36" long.
(2) Horizontal legs - 1.5" x 1.5" x 48" long.
(2) Legs, vertical stubs - 1.5" x 1.5" x 6-12" long.
Fastening hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nuts, and nylon washers.
(1) Optional flashing warning light attached to sign panel.
Parts List:
All square tube 12 gauge galvanized steel with 0.4375" holes on either 1" centers or drilled as needed.
(2) Vertical masts - 1.75" x 1.75" x 90.5" long.
(2) Sleeves - 2" x 2" x 36" long.
(2) Horizontal legs - 1.5" x 1.5" x 60" long.
(2) Legs, vertical stubs - 1.5" x 1.5" x 12" long.
Sign mounting hardware: 5/16" (0.3125") stainless steel or grade 5 zinc plated bolts and washers, nylon insert lock nut, and nylon washers against sign face.