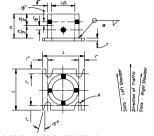


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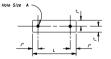
SLIP BASE AND FOOTING DETAIL



SLEEVE & BASE PLATE DETAILS



Stub Size Equals Min. Sleeve Size Or Longer STUB DETAIL



0.04" Thick Alum. Strip-2 Reg'd Per Base BOLT KEEPER DETAIL

## SLIP BASE DETAILS

Note: Unless noted atherwise, all dimensions are in inches

[ C	olumn	Sleeve	Sleeve	Weld	Base	Plate	Radius				If Torque	
	Size	1.D. ( Max )	Height H	w	L .	T	R	Size	Length	F1-Ibs	In - Ibs	Size A
4	x 4	46	6	ş	8	i	#	á	3	29	355	#
44	x 4	4%	6	â	8	8	#	â	34	29	355	#
5	x 4	5/2	7	8	8	7	#	â	34	29	355	#
6	x 4	6g	8	#	9	1	7 8	3	3/2	48	580	#
8	x å	8 ½	10	i	"	- /	ź	f	32	53	640	2

## NOTES

- I. Work this Standard with Standard Index Numbers II860 and II865.
- To determine column (post) size and footing requirements use the required Sign identification Number and Sign Height (H), Designs for Heights (H) lower than those listed in the Table are included in Standard Index Number 1986s
- 3. Single Column installations are not allowed for heights (H) exceeding the maximum height shown in the Table, and for sign profiles (Sign identification flushers) without any design follulated. In this event, the signs is will have to be supported by multiple columns (posts) featuring breakoway devices. See Standard Index Number 9353.
- The Column (Post) material shall be aluminum. The size is given as outside diameter and wall thickness. Columns (posts) larger than 3½" x ½" are nonfragible and shall be installed with breakoway supports and will have concrete features and slip hases.
- 5. The foundation size is given as outside diameter and depth.
  - a) Frangible Supports: Foundations for Frangible Supports do not require concrete.
    The column (post) shall be driven into the ground to the depth indicated.
    b) Breatway Supports: Foundations for Breatway Supports require concrete. The
  - b) Breatway Supports: Foundations for Breatway Supports require concrete. The column support shall be set in a concrete foundation, sized as shown in the table. The first dimension indicates the diameter and the second dimension the depth into the ground. In all cases the ground is to be considered as undisturbed earth, road material, or properly compacted flow.
- 6. SLIP BASE NOTES :
- a) The Inside Diameter (I.D.) of the sleeve shall be no more than  $\frac{1}{8}$  larger than the Outside Diameter (O.D.) of the Column.
  - b) The sleeve boils shall be  $\frac{1}{2}$  0 with locknuts. The boils shall be galvanized steel (ASTM A-307) or Aluminum Association Alloy 2024-T4 or 6061-T6 (ASTM R-9II)
  - c) The base bolls, nuts and washers shall be high strength ASTM A-325 and shall have an electroplated zinc coating SC3, Type II applied in accordance with ASTM BB33.
  - d) An afternate cost base of aluminum alloy 356 and T6 temper in lieu of the fabricated base may be submitted for approval by the Engineer. If a cost base is used the stub will be the same as the column and will be bolted to the costino.
- e) Assemble the slip base connection in the following manner:

  Cannect column to sleeve using two (2) \( \frac{1}{2} \) \( \text{\text{0}} \) machine bolts.

  Assemble top base plate to stub base plate using high strength bolts with three (3) bettength washers ner boll and two (2).
  - three (3) hardened washers per boll. One (1) washer per boll and two (2) boll keeper plates go between the base plates.
    Use shim stock as required to plamb the column.
  - Tighten all boils the maximum possible with a l2" to 15" wrench to bed the washers and shims and to clear the boil threads. Loosen each boil one (1) hurn and retighten to the prescribed targue (see table). Boils shall be lightened with properly calibrated wrenches under the supervision of the prolate replacer.
- Burr threads of junction with nut using a center punch to prevent nut loosening.

  f) Use galvanized steel shims to obtain a tight fit between the column face and
  the steere. Place shims in all quadrants between the \(\frac{1}{2}\) disease bolts.
  The shim length shall be \(\frac{1}{2}\) shorter than the height of the steeve.
  - COLUMN SIZE, COLUMN HEIGHT &
    COLUMN FOOTINGS

    STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
    ROAD DESIGN

SINGLE COLUMN GROUND SIGNS

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	LOADING	Checked By	P33	33/34	l no l	Lof 2	1 11861					

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COLUMN SIZE , COLUMN HEIGHT & COLUMN FOOTINGS

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION ROAD SEASON

SINGLE COLUMN GROUND SIGNS

60 W.P.H. WIND LOADING | Names | Date
| Designed By | DES | 10/3
| Drawn By | 5008 | 10/3
| Checked By | PES | 11/1

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