

FIVE INCH DIRECT BURY

Strong Poles Aluminum Direct Buried Poles provide industry professionals with significant overall job savings. Strong Poles Aluminum Direct Buried Poles are the perfect solution to the high maintenance alternative of composite poles. Developers and Contractors can benefit from the savings associated with the highest quality, longest-lasting and lowest maintenance.

Benefits of the 5" Direct Bury

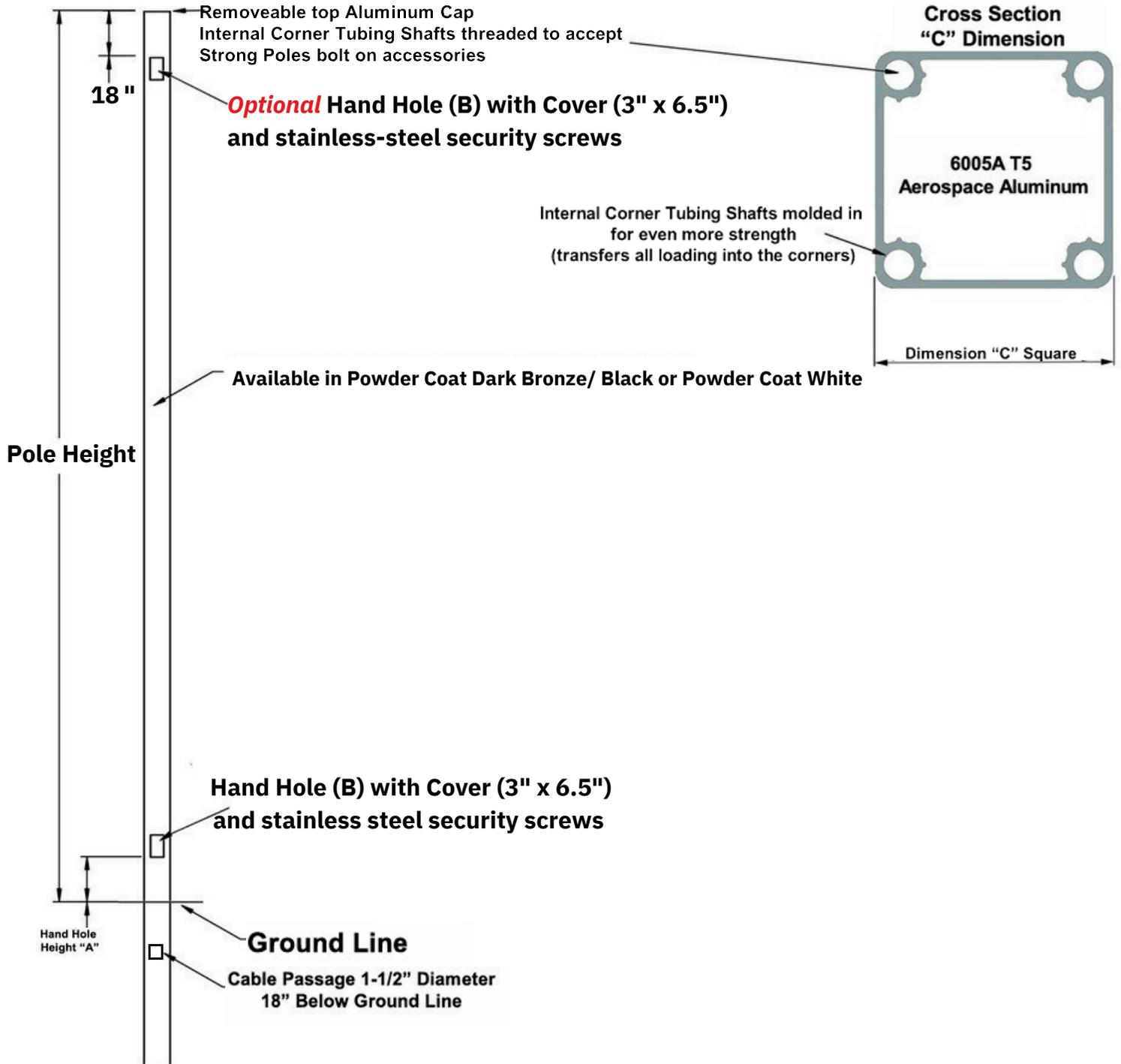


- Eliminates the need for foundations, requiring no Civil Engineer and no PE stamp
- Eliminates the need for anchor bolts
- Speeds up the installation process
- Eliminates improper bolt projections
- Eliminates the possibility of foundation and anchor bolt replacement in the event of a knockdown
- Allows aluminum to be cost competitive with composite and concrete while providing a more appealing and aesthetic appearance
- Eliminates the possibility of improper pouring/setting of foundation
- Allows simple future retrofits by eliminating the need to match an existing bolt circle

**Don't Settle for a repurposed light pole.
Choose the engineered solution.
StrongPoles.com / 844-669-3537**



Direct Burial Above Grade 5.0 Square Aluminum Camera and Light Pole



Part Number	Bury Depth	Above Ground Height	A	B	C
SP-DB8	4'	8'	18"	2.5" x 5.5"	5"
SP-DB11	4'	11'	18"	2.5" x 5.5"	5"
SP-DB16	4'	16'	18"	2.5" x 5.5"	5"
SP-DB20	5'	20'	18"	2.5" x 5.5"	5"
SP-DB25	5'	25'	18"	2.5" x 5.5"	5"



EPA:

Model	Height	90 mph	100 mph	120 mph	130 mph	140 mph	150 mph	160 mph	170 mph	180 mph	190 mph
SP-DB8	8 ft	25.03	20.01	14.63	13.56	12.65	11.87	11.17	10.55	10	9.5
SP-DB10	10 ft	23.63	18.63	12.63	11.51	10.56	9.75	9.05	8.43	7.89	7.42
SP-DB12	12 ft	21.75	16.88	11.11	9.51	8.24	7.2	6.35	5.64	5.05	4.55
SP-DB15	15 ft	19.75	14.88	8	6.31	5.06	4.13	3.41	2.84	2.4	2.04
SP-DB16	16 ft	18.75	13.75	7.38	5.65	4.41	3.5	2.82	2.3	1.9	1.59



SECTION 282000 - VIDEO SURVEILLANCE

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Accessories.

1.02 RELATED REQUIREMENTS

- A. Section 033000 - Cast-in-Place Concrete: Materials and installation requirements for concrete bases for camera poles.
- B. Section 078400 - Firestopping.
- C. Section 260526 - Grounding and Bonding for Electrical Systems.
- D. Section 260529 - Hangers and Supports for Electrical Systems.
- E. Section 260553 - Identification for Electrical Systems: Identification products and requirements.

1.03 REFERENCE STANDARDS

- A. AASHTO LTS - Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals 2013 (Revised 2019).
- B. IEEE C2 - National Electrical Safety Code 2017.
- C. NECA 1 - Standard for Good Workmanship in Electrical Construction 2015.
- D. NECA 303 - Standard for Installing and Maintaining Closed-Circuit Television (CCTV) Systems 2019.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordination:
 - 1. Coordinate the placement of cameras with structural members, ductwork, piping, equipment, luminaires, diffusers, fire suppression system components, and other potential conflicts installed under other sections or by others.
 - 2. Coordinate the work with other installers to provide power for cameras and equipment at required locations.
 - 3. Notify Architect of any conflicts with or deviations from Contract Documents. Obtain direction before proceeding with work.

1.05 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets for each system component. Include ratings, configurations, standard wiring diagrams, dimensions, finishes, service condition requirements, and installed features.
 - 1. Camera Poles: Include information on maximum supported effective projected area (EPA) and weight for design wind speed.
- C. Camera Poles: Certify that products and associated supports comply with specified structural design criteria.

PART 2 PRODUCTS

2.01 ACCESSORIES

- A. Camera Mounting Supports: Where not factory installed, provide mounting supports necessary for installation. Products:
1.
 - a. StrongPoles,LLC;HDParapetCameraMount: www.strongpoles.com/#sle.
 - b. StrongPoles,LLC;ParapetMount: www.strongpoles.com/#sle.
 - c. StrongPoles,LLC;SurfaceMountPole: www.strongpoles.com/#sle.
- B. Camera Poles:
1. Providepolessuitableforcameras,supports,andaccessoriestobeinstalled.
 2. StructuralDesignCriteria:
 - a. ComplywithAASHTOLTS.
 - b. WindLoad: Includeeffectiveprojectedarea(EPA)ofcameras,supports,and accessories to be installed.
 - 1) DesignWindSpeed: [_____]mph([_____]kph),withgustfactorof1.3.
 - c. DeadLoad: Includeweightofproposedcameras,supports,andaccessories.
 - d. [_____].
 3. PoleConfiguration: Asindicatedondrawings.
 4. PoleConfiguration:
 - a. Material: Usesteeloraluminum.
 - b. Shape: Usesquareorround,straightortapered.
 - c. MountingHeight: [_____],unlessotherwiseindicated.
 - d. Mounting: InstallonconcretFOUNDATION,heightasindicatedonthedrawings,unlessotherwise indicated.
 5. Providegroundlug,accessiblefromhandhole.
 6. Providethefollowing:
 - a. Topcap.
 - b. Handhole.
 - c. Anchorboltswithlevelingnutsorlevelingshims.
 - d. Anchorbasecover.
 - e. Pole-toptenon,sizeasrequiredforinstalledcamera/bracket.
 7. Products:
 - a. StrongPoles,LLC;SteadyMaxCameraPoles: www.strongpoles.com/#sle.
 - b. StrongPoles,LLC;4InchSquareCameraPoles: www.strongpoles.com/#sle.
 - c. StrongPoles,LLC;5InchSquareDirect-BurialCameraPoles: www.strongpoles.com/#sle.
- C. Provide components as indicated or as required for connection of video surveillance system to devices and other systems indicated.
- D. Provide cables as indicated or as required for connections between system components.
- E. Provide accessory racks/cabinets as indicated or as required for equipment mounting.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify that ratings and configurations of system components are consistent with the indicated requirements.
- C. Verify that mounting surfaces are ready to receive system components.
- D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to system where applicable.
- E. Verify that conditions are satisfactory for installation prior to starting work.

3.02 INSTALLATION

- A. Install video surveillance system in accordance with NECA 1 (general workmanship) and NECA 303.
- B. Install products in accordance with manufacturer's instructions.
- C. Provide required support and attachment in accordance with Section 260529.
- D. Pole-Mounted Cameras:
 - 1. Maintain the following minimum clearances:
 - a. Comply with IEEE C2.
 - b. Comply with utility company requirements.
 - 2. Foundation-Mounted Poles:
 - a. Provide cast-in-place concrete foundations for poles as indicated; see Section 033000.
 - 1) Install anchor bolts plumb using template furnished by pole manufacturer.
 - 2) Position conduit to enter pole shaft.
 - b. Install foundations plumb.
 - c. Install poles plumb, using leveling nuts or shims as required to adjust to plumb.
 - d. Tighten anchor bolts to manufacturer's recommended torque.
 - e. Install nonshrink grout between pole anchor base and concrete foundation, leaving
 - f. small channel for condensation drainage.
Install anchor base covers or anchor bolt covers as indicated.
 - 3. Embedded Poles: Install poles plumb.
- E. Provide grounding and bonding in accordance with Section 260526.
- F. Install firestopping to preserve fire resistance rating of partitions and other elements, using materials and methods specified in Section 078400.
- G. Identify system wiring and components in accordance with Section 260553.

END OF SECTION