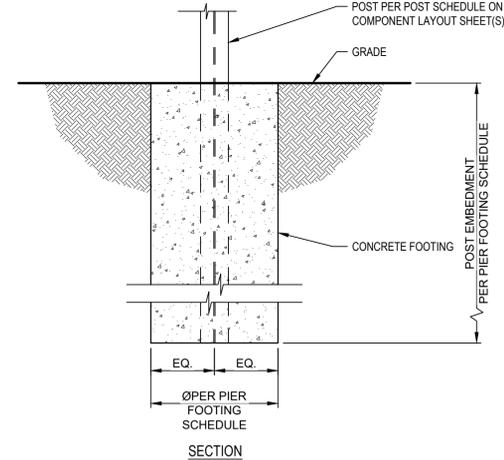
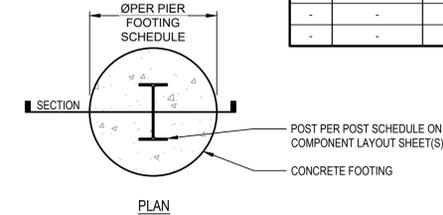


**PIER FOOTING SCHEDULE**

TYPE	DIAMETER	DEPTH
ALL	1'-6"	6'-6"
-	-	-
-	-	-
-	-	-



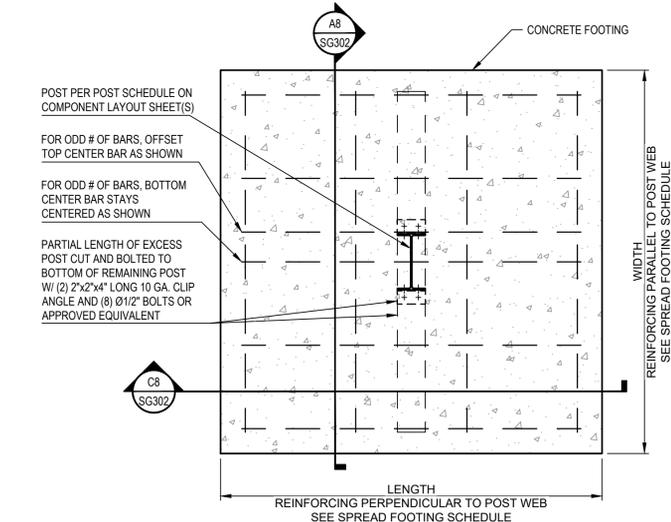
NOTE: CONCRETE PIER DEPTH SHALL MEET OR EXCEED DESIGN EMBEDMENT. BOTTOM OF STEEL POST MAY BE RAISED A MAXIMUM OF 1'-0" ABOVE DESIGN EMBEDMENT AS REQUIRED.

**E5**  
SCALE: 1" = 1'-0"  
**PIER FOOTING DETAIL**

**SPREAD FOOTING SCHEDULE**

TYPE	LENGTH	WIDTH	DEPTH	REINFORCING PARALLEL TO POST WEB AND POST CUT-OFF	REINFORCING PERPENDICULAR TO POST WEB AND POST CUT-OFF
ALL	6'-9"	6'-9"	1'-6"	(6) #4 BARS T&B OR (6) #5 BARS T&B	(7) #4 BARS T&B OR (6) #5 BARS T&B
-	-	-	-	-	-
-	-	-	-	-	-
-	-	-	-	-	-

NOTE: ALL REINFORCING TO HAVE 3" MINIMUM COVER



NOTE: REINFORCING SHOWN MAY NOT REPRESENT THE ACTUAL REINFORCING REQUIRED. SEE SPREAD FOOTING SCHEDULE FOR REQUIRED REINFORCING. PROVIDE MINIMUM 3" COVER FOR ALL REINFORCEMENT.

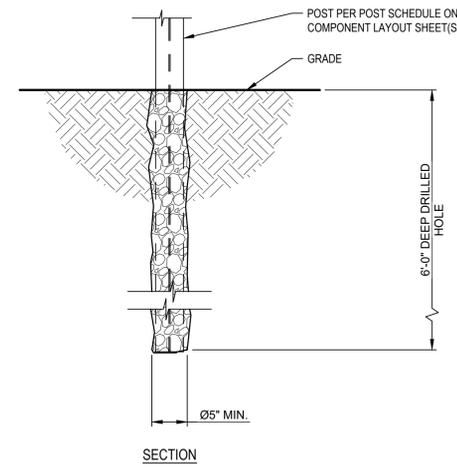
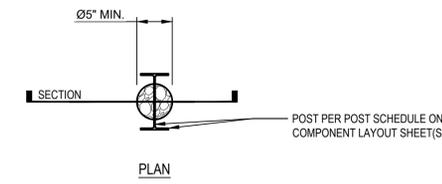
**E8**  
SCALE: 1" = 1'-0"  
**SPREAD FOOTING PLAN**

**REFUSAL REMEDY PROCEDURE:**

WHEN DRIVEN POSTS DO NOT ACCOMPLISH DESIGN EMBEDMENT DEPTH(S) AS SPECIFIED ON A6/SG301 DUE TO REFUSAL, FOLLOW THIS PROCEDURE:

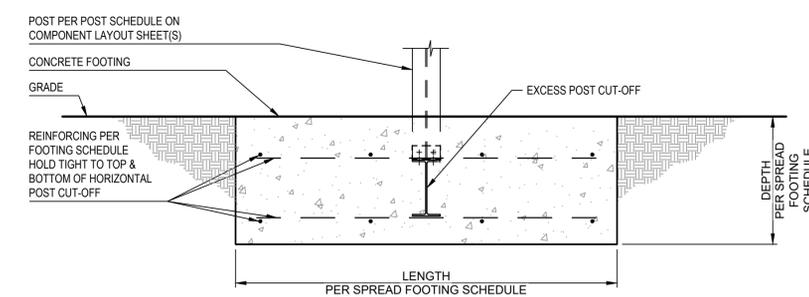
- WHEN REFUSAL IS ENCOUNTERED, EFFORTS TO DRIVE THE POST FURTHER SHOULD BE STOPPED AND DRIVEN POST DEPTH AND LOCATION SHALL BE RECORDED.
- IF POST DID NOT REACH THE REFUSAL MINIMUM EMBEDMENT DEPTH OF 5.0 FEET, RELOCATE POST LOCATION 18-24 INCHES EAST OR WEST (WITH EXCEPTION OF START/END OF ROW POSTS) IN THE SAME LONGITUDINAL PLANE FROM THE ORIGINAL POST. START/END OF ROW POSTS SHALL BE RELOCATED IN THE DIRECTION THAT REDUCES THE PURLIN MEMBER CANTILEVER LENGTH BY 18-24 INCHES.
- ATTEMPT TO DRIVE RELOCATED POST TO THE DESIGN EMBEDMENT DEPTH SPECIFIED ON A6/SG301. IF POST DOES NOT REACH THE MINIMUM EMBEDMENT DEPTH OF 5.0 FEET, AN ALTERNATE FOUNDATION SHALL BE REQUIRED.
- IF POST DOES NOT REACH DESIGN EMBEDMENT DEPTH SPECIFIED ON A6/SG301 BUT REACHED THE MINIMUM EMBEDMENT DEPTH OF 5.0 FEET, THE POST MUST PASS THE FOLLOWING VERTICAL AND LATERAL TESTS:
  - VERTICAL TEST - MINIMUM UPLIFT FORCE 3,000 LBS. RESULTING IN VERTICAL DEFLECTION LESS THAN 1/2".
  - LATERAL TEST - MINIMUM LATERAL FORCE 1850 LBS. APPLIED AT 4 FEET ABOVE GRADE AND POST DEFLECTION < 1.00 INCH MEASURED AT GRADE.
- ANY POST BELOW THE DESIGN EMBEDMENT DEPTH THAT DOES NOT PASS THE VERTICAL AND LATERAL TEST SHALL REQUIRE AN ALTERNATE FOUNDATION.
- IF THE POST REACHED THE MINIMUM EMBEDMENT DEPTH OF 5.0 FEET AND PASSED THE VERTICAL AND LATERAL TESTS SPECIFIED ABOVE, THE POST CAN BE FIELD-CUT AND DRILLED ACCORDINGLY.
- ALL FIELD-CUT SURFACES SHALL BE PAINTED WITH BRUSH-ON GALVANIZING PAINT. RBI SOLAR DOES NOT RECOMMEND SPRAY GALVANIZING FOR REPAIR AND PAINTING OF CUT SURFACES.
- FOR INSTANCES WHERE IT IS DESIRED TO REDUCE THE POST EMBEDMENT BUT REFUSAL IS NOT ENCOUNTERED, PLEASE CONTACT THE RBI SOLAR ENGINEERING DEPARTMENT FOR RECOMMENDATIONS.

**A2**  
SCALE: NONE  
**REFUSAL REMEDY PROCEDURE**

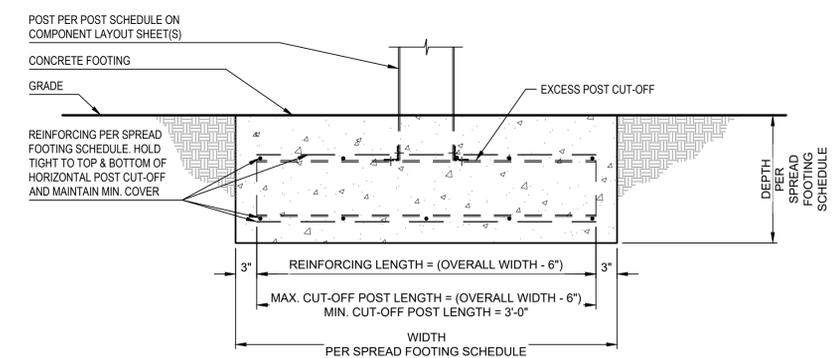


NOTE:  
1. POST NOT REQUIRED TO BE CENTERED IN HOLE.  
2. CONTACT RBI SOLAR PROJECT MANAGER FOR PRE-DRILL AND DRIVE PROCEDURE.  
3. POST SHOULD BOTTOM OUT AT THE HOLE.

**A5**  
SCALE: 1" = 1'-0"  
**PRE-DRILL & DRIVE DETAIL**



**C8**  
SCALE: 1" = 1'-0"  
**SPREAD FOOTING SECTION**



**A8**  
SCALE: 1" = 1'-0"  
**SPREAD FOOTING SECTION**

**GROUND MOUNT FOR GREENSKIES CLEAN ENERGY**



**PROJECT INFORMATION**

TITLE & ADDRESS:  
**STONINGTON TAUGWONK**

35 TAUGWONK SPUR ROAD  
STONINGTON, CT 06378

SHEET TITLE:  
ALTERNATE FOUNDATIONS SECTIONS & DETAILS

SHEET NO.:  
**SG303**

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