NOTES

GENERAL: CENTER ALL FOOTINGS UNDER COLUMNS ABOVE. CONTRACTOR SHALL LOCATE ALL BURIED UTILITIES PRIOR TO EXCAVATION.

FOUNDATIONS: FOOTINGS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 1,500 PSF.

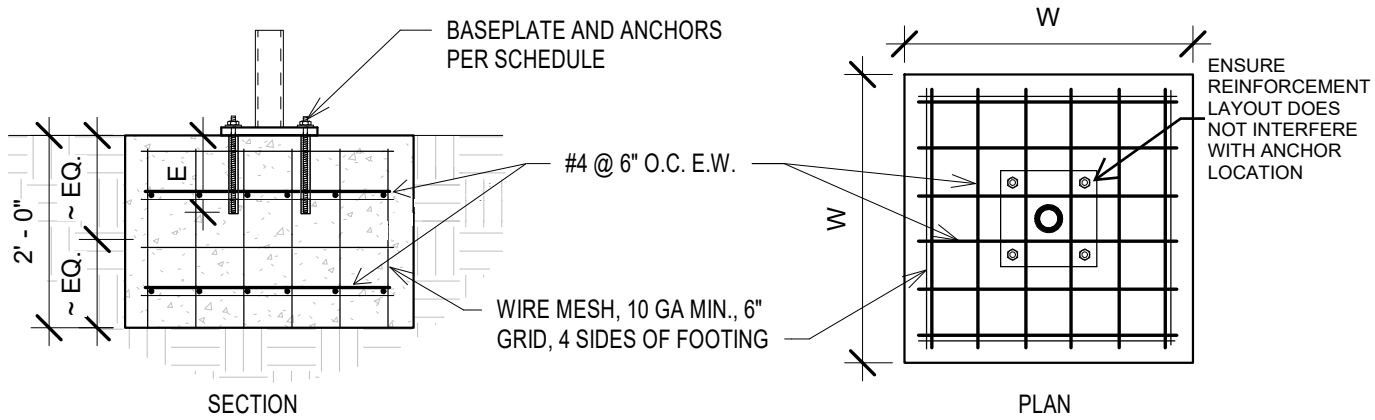
CONCRETE: CONCRETE STRENGTH SHALL BE AS FOLLOWS:

F'c	W/C	MIN CEMENT	MAX AGGREGATE SIZE	SLUMP
3000 PSI	0.58	470 LBS	1"	4" (+/-) 1"

CEMENT SHALL CONFORM TO ASTM C150, TYPE 1. FLY ASH CONFORMING TO ASTM C618, TYPE F OR TYPE C, MAY BE USED TO REPLACE UP TO 20% OF THE CEMENT CONTENT. AGGREGATE SHALL CONFORM TO ASTM C33. CONCRETE SHALL BE CURED IMMEDIATELY AFTER FINISHING OPERATIONS.

REINFORCING STEEL: REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, AND SHALL BE SECURELY TIED IN PLACE WITH #16 ANNEALED IRON WIRE. REQUIRED CLEAR CONCRETE COVER: 3" BOTTOM AND SIDES, 2" TOP.

ALL DETAILING AND ACCESSORIES SHALL CONFORM TO ACI DETAILING MANUAL SP-66. PROVIDE CHAIRS, SPACERS, BOLSTERS, AND ITEMS IN CONTACT WITH FORMS WITH HOT-DIP GALVANIZED LEGS OR PLASTIC LEGS. ACCURATELY POSITION, SUPPORT, AND SECURE REINFORCEMENT AGAINST DISPLACEMENT BY FORMWORK CONSTRUCTION OR CONCRETE PLACEMENT OPERATIONS.



FOOTING SCHEDULE

Max Load	Exposure Category			SEISMIC DESIGN CATEGORY A or B			SEISMIC DESIGN CATEGORY C - F		
	B	C	D	W (FT)	Anchor Type	E,MIN. (IN)	W (FT)	Anchor Type	E,MIN. (IN)
Wind (mph)	92	75	68						
Ground Snow (psf)	29.8	29.8	33.1	4.50	KB-TZ2 3/4x6	3.75	5.00	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.41
	43.9	43.9	48.8	5.00	HIT-HY 200-R V3 + HAS-V-36 3/4"x10"	6.177	5.25	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.57
Wind (mph)	116	95	86						
Ground Snow (psf)	29.8	29.8	33.1	4.50	KB-TZ2 3/4x6	3.75	5.00	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.41
	43.2	43.2	47.9	5.00	HIT-HY 200-R V3 + HAS-V-36 3/4"x10"	6.256	5.25	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.57
Wind (mph)	140	115	104						
Ground Snow (psf)	27.5	27.5	30.6	5.00	KB-TZ2 3/4x8	4.75	5.00	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.41
	40.9	40.9	45.5	5.25	HIT-HY 200-R V3 + HAS-V-36 3/4"x10"	6.453	5.25	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.57
Wind (mph)	165	135	123						
Ground Snow (psf)	23.8	23.8	26.5	5.25	KB-TZ2 3/4x8	4.75	5.25	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.41
	37.2	37.2	41.3	5.50	HIT-HY 200-R V3 + HAS-V-36 3/4"x10"	6.61	5.50	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.57
Wind (mph)	189	155	141						
Ground Snow (psf)	NA	NA	NA	NA	NA	NA	NA	NA	NA
	33.1	33.1	36.8	5.75	HIT-HY 200-R V3 + HAS-V-36 3/4"x10"	6.846	5.75	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.57
Wind (mph)	215	176	160						
Ground Snow (psf)	NA	NA	NA	NA	NA	NA	NA	NA	NA
	23.8	23.8	26.5	6.25	HIT-HY 200-R V3 + HAS-V-36 3/4"x10"	7.28	6.25	HIT-HY 200-R V3 + HAS-V-36 3/4"x16"	11.57

NOTES:
1. ALL FOOTERS AND ANCHORS SPECIFIED FOR SEISMIC DESIGN CATEGORIES C, D, AND E ARE INTENDED AS A GUIDE ONLY. THEY DO NOT GUARANTEE PERFORMANCE ON ANY SPECIFIC SITE. SITE-SPECIFIC CERTIFICATIONS MAY REQUIRE ADDITIONAL ANALYSIS BY A LICENSED STRUCTURAL ENGINEER.
2. PROPER INSTALLATION OF EXPANSION ANCHORS, REQUIRES THAT HOLES ARE DRILLED 1 INCH DEEPER THAN THE MINIMUM EMBEDMENT LISTED.
3. PROPER INSTALLATION OF HAS-V-36 ANCHORS, REQUIRES THAT HOLES ARE DRILLED 0.5 INCHES DEEPER THAN THE MINIMUM EMBEDMENT LISTED.

Ökkem Design

BLIKIR RCP-2 SOLAR CARPORT

BASIC KIT

NOTES

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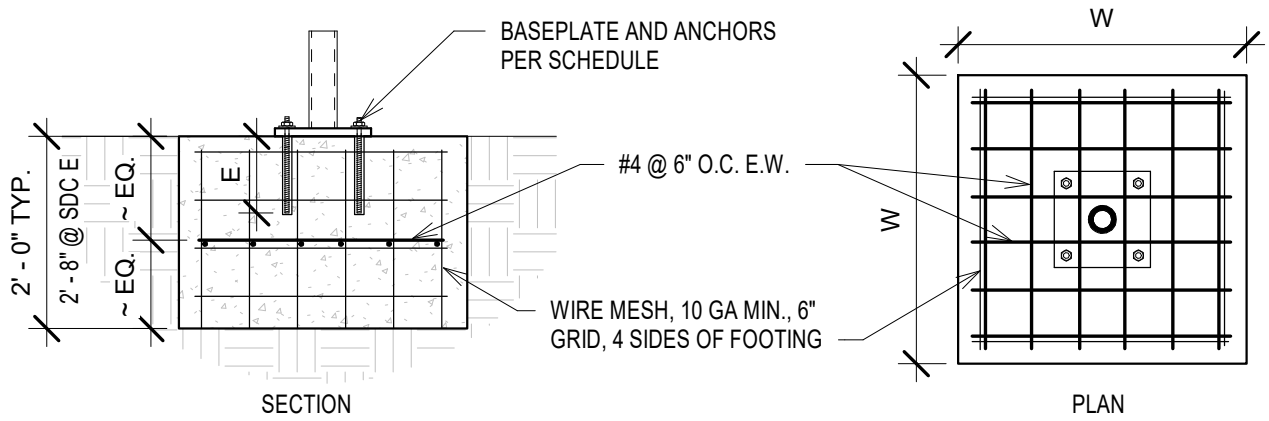

INTERIOR FOOTING SCHEDULE

SEISMIC DESIGN CATEGORY	MAX WIND SPEED EXP. (B, C, D) RISK CAT. I	W	BASE PLATE TYPE	ANCHOR TYPE AND SIZE	E, MIN.
A, B, C	(134, 90, 74) MPH	3' - 0"	STANDARD TANDEM	(4) HILTI 3/4" DIA. HAS-V-36 ROD	6"
	(164, 110, 90) MPH	3' - 9"	STANDARD TANDEM	(4) HILTI 3/4" DIA. HAS-V-36 ROD	7"
	(193, 130, 107) MPH	4' - 6"	STANDARD TANDEM	(4) HILTI 3/4" DIA. HAS-V-36 ROD	8"
	(205, 150, 123) MPH	5' - 2"	HD TANDEM	(4) HILTI 3/4" DIA. HAS-V-36 ROD	10"
	(205, 175, 155) MPH	6' - 1"	HD TANDEM	(4) HILTI 3/4" DIA. HAS-E-55 ROD	14"
D	(205, 175, 155) MPH	6' - 3"	HD TANDEM	(4) HILTI 3/4" DIA. HAS-E-55 ROD	18"
E	(205, 175, 155) MPH	8' - 6"	EX-HD TANDEM	(8) HILTI 1 1/4" DIA. HAS-B-105 ROD	24"

THE FOOTINGS AND ANCHORS SPECIFIED ABOVE WERE DESIGNED USING AN R VALUE OF 3.0 FOR DESIGN CATEGORIES A/B/C AND AN R VALUE OF 1.25 FOR DESIGN CATEGORIES D/E. THE SITE CLASS FOR ALL DESIGN CATEGORIES WAS ASSUMED TO BE D (STIFF SOIL).

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Ökkem Design

BLIKIR RCP-2 SOLAR CARPORT

TANDEM KIT