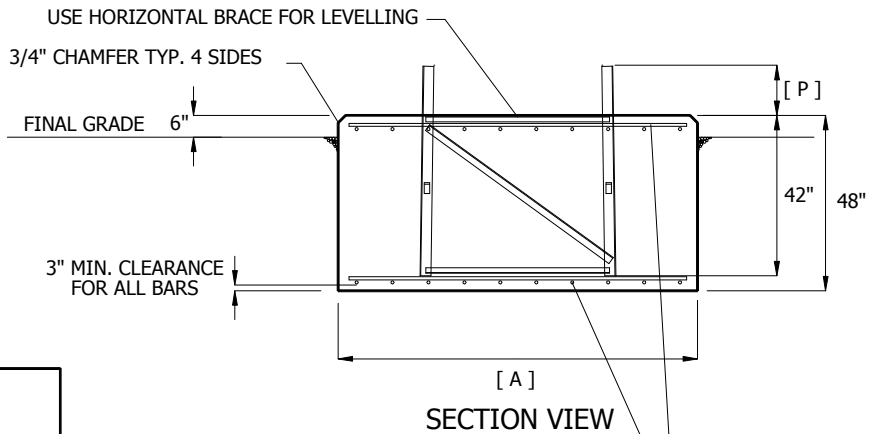
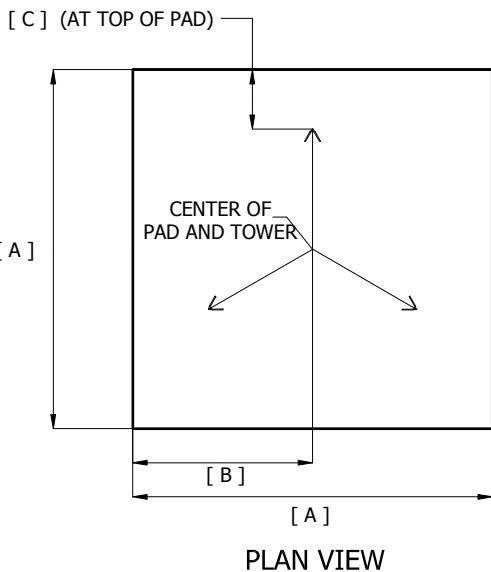




STUB BASE SECTION NUMBER	STUB BASE BILL OF MATERIALS					DIMENSIONS						MAXIMUM BASE REACTIONS	
	LEG WELDMENT P/N (Qty 3)	BOTTOM HORIZONTAL P/N (Qty 3)	TOP HORIZONTAL P/N (Qty 3)	DIAGONAL BRACE P/N (Qty 3)	3/8" HARDWARE (Qty)	DIMENSION "A" (in)	DIMENSION "B" (in)	DIMENSION "C" (in)	DIMENSION "P" (in)	CONCRETE REQ. (CU. YDS)	TOTAL NO. 7 BARS REQUIRED	OVERTURNING MOMENT (KIP-FT)	SHEAR (KIPS)
RSLBA02	SLBA021	SLBA022	SLBA023	SLBA024	18	84	42	28	10 1/2	7.3	32	51	3.0
RSLBA03	SLBA031	SLBA032	SLBA033	SLBA034	18	90	45	29	12 1/2	8.3	32	57	3.0
RSLBA04	SLBA041	SLBA042	SLBA043	SLBA044	18	90	45	27	11 1/4	8.3	32	65	3.0
RSLBA05	SLBA051	SLBA052	SLBA053	SLBA054	18	96	48	28	11 1/2	9.5	36	71	3.0
RSLBA06	SLBA061	SLBA062	SLBA063	SLBA064	18	96	48	26	12	9.5	36	78	3.0
RSLBA07	SLBA071	SLBA072	SLBA073	SLBA074	18	108	54	30	13	12.0	40	114	4.0
RSLBA08	SLBA081	SLBA082	SLBA083	SLBA084	18	114	57	31	12 3/4	13.4	40	124	4.5
RSLBA09	SLBA091	SLBA092	SLBA093	SLBA094	18	120	60	32	13 1/2	14.8	44	171	5.0
RSLBA10	SLBA101	SLBA102	SLBA103	SLBA104	18	126	63	33	12 3/4	16.3	44	184	5.5



HORIZONTAL No. 7 BARS EQUALLY SPACED @ 12" c/c EACH WAY, TOP & BOTTOM. SEE DIMENSION CHART FOR TOTAL NUMBER OF BARS REQUIRED



REFER TO SHEETS 2 & 3 FOR FOUNDATION NOTES





 RADIANT www.radiancorp.com PEORIA, IL, USA +1 800 727 ROHN  OAKVILLE, ON, CANADA +1 866 4RADIANT					RSL TOWER MAT FOUNDATION FOR EIA "NORMAL" SOIL			
					JOB No: STANDARD			
REV	DESCRIPTION	DWN	CHK	APP	DWN: CG	CHK'D: JW		
					ENG'R: CG	DATE: 6/28/05		
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0		CG	CG	TW	REV: 0			

STANDARD FOUNDATIONS NOTES

1. FOUNDATION DESIGNS ARE IN ACCORDANCE WITH ANSI/TIA/EIA-222-F-1996, "STRUCTURAL STANDARDS FOR STEEL ANTENNA TOWERS AND ANTENNA SUPPORTING STRUCTURES", SECTION 7, FOR "NORMAL" SOIL CONDITIONS. "NORMAL" SOIL IS DEFINED AS DRY, COHESIVE SOIL WITH AN ALLOWABLE NET VERTICAL BEARING CAPACITY OF 4000 PSF AND AN ALLOWABLE NET HORIZONTAL PRESSURE OF 400 PSF PER LINEAR FOOT OF DEPTH TO A MAXIMUM OF 4000 PSF.
2. THE PURCHASER MUST VERIFY THAT THE ACTUAL SITE SOIL PARAMETERS MEET OR EXCEED E.I.A. "NORMAL" SOIL PARAMETERS AND THAT THE DEPTH OF STANDARD FOUNDATIONS ARE ADEQUATE BASED ON THE FROST PENETRATION AND/OR ZONE OF SEASONAL MOISTURE VARIATION AT THE SITE. FOUNDATION DESIGN MODIFICATIONS MAY BE REQUIRED IN THE EVENT "NORMAL" SOIL PARAMETERS ARE NOT APPLICABLE FOR THE SUBSURFACE CONDITIONS ENCOUNTERED.
3. FOUNDATION DESIGNS ASSUME FIELD INSPECTIONS WILL BE PERFORMED BY THE PURCHASER'S REPRESENTATIVE TO VERIFY THAT THE CONSTRUCTION MATERIALS, INSTALLATION METHODS, AND ASSUMED PARAMETERS ARE ACCEPTABLE BASED ON THE CONDITIONS EXISTING AT THE SITE.
4. WORK SHALL BE IN ACCORDANCE WITH LOCAL CODES, SAFETY REGULATIONS AND UNLESS OTHERWISE NOTED, THE LATEST REVISION OF ACI 318 "BUILDING CODE REQUIREMENTS FOR REINFORCING CONCRETE". PROCEDURES FOR THE PROTECTION OF EXCAVATIONS, EXISTING CONSTRUCTION AND UTILITIES SHALL BE ESTABLISHED PRIOR TO FOUNDATION INSTALLATION.
5. CONCRETE MATERIALS SHALL CONFORM TO THE APPROPRIATE STATE REQUIREMENTS FOR EXPOSED STRUCTURAL CONCRETE.
6. PROPORTIONS OF CONCRETE MATERIALS SHALL BE SUITABLE FOR THE INSTALLATION METHOD UTILIZED AND SHALL RESULT IN DURABLE CONCRETE FOR RESISTANCE TO LOCAL ANTICIPATED AGGRESSIVE ACTIONS. THE DURABILITY REQUIREMENTS OF ACI 318 CHAPTER 4 SHALL BE SATISFIED BASED ON THE CONDITIONS EXPECTED AT THE SITE. AS A MINIMUM, CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS.
7. MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED SIZE SUITABLE FOR INSTALLATION METHOD UTILIZED OR 1/3 CLEAR DISTANCE BEHIND OR BETWEEN REINFORCING. MAXIMUM SIZE MAY BE INCREASED TO 2/3 CLEAR DISTANCE PROVIDED WORKABILITY AND METHODS OF CONSOLIDATION SUCH AS VIBRATING WILL PREVENT HONEYCOMBS OR VOIDS.
8. REINFORCING SHALL BE DEFORMED BARS AND CONFORM TO THE REQUIREMENTS OF ASTM 615 GRADE 60. SPLICES IN REINFORCING SHALL NOT BE ALLOWED.
9. WELDING IS PROHIBITED ON REINFORCING STEEL AND EMBEDMENTS.
10. MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE 3 INCHES. APPROVED SPACERS SHALL BE USED TO INSURE A 3 INCH COVER IN REINFORCEMENT.
11. FOUNDATION DESIGNS ASSUME STRUCTURAL BACKFILL TO BE COMPACTED IN 8 INCH MAXIMUM LAYERS TO 95% OF MAXIMUM DRY DENSITY AT OPTIMUM MOISTURE CONTENT IN ACCORDANCE WITH ASTM D698. ADDITIONALLY, STRUCTURAL BACKFILL MUST HAVE A MINIMUM COMPACTED UNIT WEIGHT OF 100 POUNDS PER CUBIC FOOT.

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12. FOUNDATION INSTALLATION SHALL BE SUPERVISED BY PERSONNEL KNOWLEGDEABLE AND EXPERIENCED WITH THE PROPOSED FOUNDATION TYPE. CONSTRUCTION SHALL BE IN ACCORDANCE WITH GENERALLY ACCEPTED INSTALLATION PRACTICES.
13. LOOSE MATERIAL SHALL BE REMOVED FROM BOTTOM OF EXCAVATION PRIOR TO CONCRETE PLACEMENT. SIDES OF EXCAVATION SHALL BE ROUGH AND FREE OF LOOSE CUTTINGS.
14. CONCRETE SHALL BE PLACED IN A MANNER THAT WILL PREVENT SEGREGATION OF CONCRETE MATERIAL AND OTHER OCCURRENCES WHICH MAY DECREASE THE STRENGTH OR DURABILITY OF THE FOUNDATION.
15. CONCRETE PLACEMENT SHALL BE CONTINUOUS. NO CONSTRUCTION JOINTS SHALL BE ALLOWED.
16. TOP OF FOUNDATION SHALL BE SLOPED TO DRAIN WITH A FLOATED FINISH.
17. EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED ¼" X ¼" MINIMUM.

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