

STEEL & HARDWAR 1. All steel plate to be 2. Steel tubes to be 3. All welding is to be If welds are not sp

component parts. 4. All bolts to be AS

All holes in steel to
 All fabricated steel

CONCRETE NOTES

1. Remove all organi

of subgrade. Footir Both are to be com

2. Prepare slab with 3. Concrete slab to b depth. Lap splices 4. Edge of slab to be

2-#4 continuous rel 5. In locations subject around column pie interrupted at isolat

6. Install crack control 7. Concrete slabs in away from column 8. Concrete slabs in

have a troweled fi 9. Concrete slab, fou (if required) are N.

10. All concrete reinfo 11. F'c of concrete to F'c of concrete to b

12. All concrete work 13. Assumed allowab lateral bearing. It is

values at the site r than the assumed

N.I.C. = Not In Contra

ERECTOR NOTES: ALL STEEL MEMBE CONSTRUCTED. CO WITH DRIFT PINS V

IN THE EVENT OF E PROPER ASSEMBL IMMEDIATELY REPO

BOLTS ARE TO BE

NOTE: This building adjoin another structu modifications (by othe

/ARE SHOP NOTES: o be ASTM A572 Grade 50. be ASTM A500 Grade B. Ev=46ksi		THIS PRINT IS THE PROPERTY OF RCP SHELTERS AND IS NOT TO BE USED, COPIED, OR REPRODUCED WITHOUT THEIR EXPRESSED WRITTEN PERMISSION.	
be done in accordance with latest AWS standards. specified, all welds are to develop full strength of all			
s. ASTM A325. Exception: Anchor bolts to be A307.			
el to be $\overline{16}$ " diameter unless noted otherwise. teel to be powder coated; color selected by owner.			
ES: anic material and topsoil from slab area. Verify suitability otings are to bear on undisturbed, natural soil or engineered fill. ompacted to 95% Proctor density. ith min. 8" compacted sand, gravel, or crushed rock. o be 4" thick. Reinforce slab with 6x6-w1.4xw1.4 welded wire fabric a se 8". Alt.: Fiber mesh admixture (min. 1.5#/c.y., fibrillated polypropyle be thickened to min. 8" deep x 8" wide reinforced with rebars. Lap splices min. 24". oject to frost, install isolation joint, max. 1/8" wide, oiers using diamond or circular layout. Wire mesh shall be olation joints. ntrol joints (3/16" wide x 1" deep) at 8' to 12' o.c. in open areas are to be sloped for drainage from center to edge and ms. Surface is to be lightly broomed or have a wood troweled finish in enclosed areas are to have positive drainage to floor drains and finish. foundation, re-bar, wire mesh, leveling nuts, grout & anchor bolts N.I.C. inforcing steel to be grade 60, deformed bars. to be 3000 psi @ 28 days for slab, air-entrained. ork to be in accordance w/ latest ACI code. vable soil bearing pressures: 2000 psf vertical bearing, 150 psf passi It is the Owner's responsibility to verify that the allowable soil bearing the meet or exceed these assumed values. If the actual values are low ed values, the foundations must be redesigned (N.I.C.).	AS-G2030-04 JAMES HITE PARK KEARNEYSVILLE, WV		
<u>3</u> : 3ERS MUST BE PROPERLY BRACED UNTIL THE COMPLETE ST CORRECTION OF MINOR MISFITS AND A REASONABLE AMOU 3 WILL BE CONSIDERED A LEGITIMATE EXPENSE OF ERECTIO	RUCTURAL SYSTEM HAS BEEN NT OF REAMING OR ALIGNMENT N.		
FERROR, DEFECT IN MATERIALS, AND/OR WORKMANSHIP OF BLING AND FITTING UP OF PARTS BY THE MODERATE USE OF PORT TO THE SELLER AND OBTAIN SELLER'S APPROVAL OF	SHOP WORK WHICH PREVENTS DRIFT PINS, OR REAMING, THE METHOD OF CORRECTION.	)025 HADE AIL	
E SNUG TIGHT; TORQUE MEASUREMENT IS NOT REQUIRED.		005 - ( C	
In the seven designed as a free standing, open structure. If walls are inclure, or if other modifications are to be made, the structure must be sthers). $\frac{\text{DESIGN CRITERIA:}}{2015 International Building Code} Type of Construction: Type II-B Occupancy Classification: Assembly A-3 Building Risk Category II Mean Roof Height = 10'-0" Building Volume = 6,000 ft3 No. of Occupants = 85 (7 ft2 per person)  \frac{\text{ROOF DL}}{\text{Metal Roofing}} 1.2 \text{ psf} Misc. 0.8 Total = 2 psf + weight of framing\frac{\text{FLOOR LL}}{\text{L} = 100 \text{ psf}} \frac{\text{ROOF ELL}}{\text{No. C}_{\text{c}} = 1.0, \text{C}_{\text{c}} = 1.2, \text{ I}_{\text{S}} = 1.0 P_{\text{f}} = 25 \text{ psf} P_{\text{s}} = P_{\text{f}} \text{C}_{\text{s}} 4.12 \text{ pitch: } \text{C}_{\text{s}} = 1.0, \text{ P}_{\text{s}} = 25 \text{ psf} \frac{\text{WIND LOAD}}{\text{Vult} = 115 \text{ mph}, \text{V}_{\text{asd}} = 89 \text{ mph} Exposure 'C', Open Building W/GCpi = 0Component & Cladding Ultimate Wind Pressures: S\frac{\text{SEISMIC}}{\text{I}_{\text{k}} = 1.0} S_{\text{s}} = 0.138, \text{Sp}_{1} = 0.053 Site Class D (assumed)S_{\text{DS}} = 0.138, \text{Sp}_{1} = 0.054 Seismic Design Category BEquivalent Lateral Force ProcedureCantilevered Column Systems - Steel ordinary cantil R = 1.25, \text{ C}_{\text{s}} = 0.110$ $V = 500\#$	e to be added, or if the building is to a re-engineered prior to these	RCP SHELTERS, INC.         2100 SE RAYS WAY, STUART, FL 3494       PO BOX 25, STUART, FL 3494         ENELTERS ■ PAVILIONS ■ CONCESSIONS ■ KIOSKS ■ FABRIC         ESTROOMS ■ BANDSHELLS ■ MINI-SHELTERS ■ DUGOUTS ■ FABRIC         Phone 800 - 525 - 0207         Restrooms         Revershelters.com	
		PROJ. NO.:           17-108           DRAWN:         RAR         7-5-17           CHK'D:	
DESIGN CERTIFICATION FOR: 3UILDING SIZE: 20' x 30' 3UILDING LOCATION: KEARNEYSVILLE, WV THIS CERTIFICATION OF DRAWINGS IS FOR THE ONE 3UILDING ONLY AT THE SITE LISTED ABOVE. IT IS VALID DNLY IF THE MATERIALS SHOWN ON THESE DRAWINGS ARE FURNISHED BY RCP SHELTERS, INC. AND ONLY IF MATERIALS ARE PAID FOR IN FULL. F MODIFICATION IS MADE WITHOUT EXPRESSED WRITTEN CONSENT OF RCP SHELTERS, INC., OR IF PAYMENT IS NOT MADE IN FULL, THEN CERTIFICATION BECOMES NULL & VOID	16042 STATE OF STATE OF T/13/17	REV 1:       DPS       7-6-17         REV 2:       DPS       7-13-17         REV 3:       Free State of St	



FRAME F-1 2-REQ'D CONSISTS OF:

2 - TUBE A 2 - END PLATE (EP000010x04B00.1196) 2 - BOTTOM PLATE (FR000408x04B00.3750) 2 - BACKER PLATE (FR000410x06A00.2500)

![](_page_1_Figure_5.jpeg)

![](_page_2_Figure_0.jpeg)

HARDWARE PARTS LIST				
QUANTITY	LOOSE OR ATTACH	HARDWARE DESCRIPTION	PART NO.	REMARKS
12	L	3/4"Ø x 6" BOLT	H325 075 0600	
12	L	3/4"Ø HEX NUT	HN325P 075-10	
4	L	3/4"Ø x 2" BOLT	H325 075 0200	
4	A	3/4"Ø HEX NUT	HN325P 075-10	
8	L	3 1/2" SQ. COVERPLATE ASSEMBLY	CPA-10	
4	L	4 1/2" SQ. COVERPLATE ASSEMBLY	CPA-4	
4	L	5 1/2" SQ. COVERPLATE ASSEMBLY	CPA-3	
16	L	3/4"Ø x 24" (A307) ANCHOR BOLT		N.I.C.
16	L	1/4" x 3" SQ. WASHER		N.I.C.
32	L	3/4"Ø HEX NUT (ANCHOR & LEVELING)		N.I.C.

- **ERECTOR NOTES:** . BEFORE ATTACHING COVERPLATE ASSEMBLY, MAKE SURE THAT THE NUBS ON THE BACKER PLATE FACE THE
- 2. LOCK NUT IS PRESET IN SHOP, BUT MAY BE ADJUSTED SLIGHTLY IN FIELD IF REQ'D. FOR ERECTION.
- 3. PLACE COVERPLATE ASSEMBLIES ON TUBES CAREFULLY SO AS TO NOT SCRATCH THE PAINT ON TUBE.
- 4. ERECTION OF COVERPLATE ASSEMBLY: A. PUT ONE END OF BACKER PLATE THRU ACCESS HOLE AND BEHIND
- B. SHIFT ASSEMBLY TO ONE SIDE OF ACCESS HOLE SO THAT THE OTHER END OF THE BACKER PLATE CAN SLIDE THRU THE ACCESS HOLE AND BEHIND TUBE WALL. SUGGEST HOLDING A THIN PIECE OF CARDBOARD OR SIMILAR MATERIAL AGAINST TUBE TO PROTECT FROM SCRATCHING WHILE SLIDING COVERPLATE BACK AND FORTH INTO
- C. POSITION ASSEMBLY SO THAT IT IS PARALLEL WITH TUBE AND NUBS ON BACKER PLATE SIT INSIDE THE ACCESS HOLE W/ BACKER PLATE ORIENTED AS NEAR VERTICAL AS
- 5. CAULK ALL AROUND COVERPLATE WITH A BEAD OF CLEAR SILICONE CAULK AFTER COVERPLATE IS PROPERLY POSITIONED.

## CONN S-1 4-req'd.

- 2 CPA-10 3 1/2" SQUARE COVERPLATE ASSEMBLY
- 1 CPA-4 4 1/2" SQUARE COVERPLATE ASSEMBLY 1 - 3/4"Ø x 2" BOLT (WITHOUT NUT)
- 2 3/4"Ø x 6" BOLT
- 2 3/4"Ø HEX NUT

## CONN S-2 2-req'd.

- 2 CPA-3 5 1/2" SQUARE COVERPLATE ASSEMBLY
- 2 3/4"Ø x 6" BOLT
- 2 3/4"Ø HEX NUT

![](_page_2_Picture_19.jpeg)