



Purchasing Division

ADDENDUM NO. 4

DATE: June 19, 2020
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Riverfront at Dos Rios Phase II Construction IFB-4799-20-DH

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. The following companies have been approved for this project:

Company Name	Location	Name	Phone	E-Mail	Pre-Qualification Approved/Not Approved
Johnson Construction, Inc.	Rifle, CO	Rob Bercher	970-625-2251	rob@johnconinc.com	Approved
M.A. Concrete Construction	Grand Junction, CO	Jeff Nimon	970-243-3221	maconcretenimon@bresnan.net	Approved
ESCO Constructin Co.	Evergreen, CO	Shelly McCarron	303-674-3385	smccarron@escomailbox.com	Approved
FCI Constructors, Inc.	Grand Junction, CO	Brian Young	970-434-9093	byoung@fciol.com	Approved
American Civil Constructors/ AAC Mountain West	Littleton, CO	Jody Randall	303-730-4504	jrandall@accbuilt.com	Approved
Scott Contracting, Inc.	Centennial, CO	Kym Johnson	720-889-4403	kymjohnson@scottcontracting.com	Approved
CON-SY, Inc.	Grand Junction, CO	Carie Slape	970-549-1270	consyinc@aol.com	Approved
Oldcastle SW Group Inc., dba United Companies	Grand Junction, CO	Jacob Davis	970-243-4900	jacob.davis@unitedco.com	Approved
MM Skyline Contracting, Inc.	Grand Junction, CO	John Chutka	970-434-9121	jchutka@skyconinc.com	Approved

2. Q. Is there a specific model number or specifications for the luminaires in line items 112 & 113?

A. *Yes. See sheet E1 of the Site Lighting Plans for specific luminaire models (overall sheet 353). Also, refer to luminaire manufacturer for specifications.*

3. Q. Do you know if there is a plan sheet that shows an existing surface topo? The only existing elevation information we can find is on the cross-sections but a topo surface would be appreciated.

A. *Please see the attached exhibit sheets EGC1 & EGC2, showing existing contours. The existing contour sheets were created from the Overlot Grading Plans (sheets 246 & 247). The*

existing grading sheets will reflect the existing surface at the same contour interval as sheets 246 & 247.

4. Q. Do you have a detail of the outlet structure for this project? See a note on page 79 referring to a detail but can't find one.

A. *Yes. Please see the answer to question #8.*

5. Q. Line Item #99 Debris Processing and Removal:

- Can you identify where the 12,000 cy of material is on the site?
- The line item refers to "removal". Which material needs to be removed?

A. *Line item #99 (Debris Processing and Removal):*

- *The anticipated 12,000 CY of debris to be processed and removed is based on previous test pits and trench locations. Please see the attached C-1 sheet.*
- *Within the northern area as shown on sheet C-1, the possibility of trash debris exists. The encountered debris, as well as within any other area encountered on the site, shall be processed and removed.*

6. Q. Line Item #101 Import and Place Clean Fill:

- Drawing 3 requires all imported embankment material to have a minimum RValue of 40. Will this material qualify for the "Clean Fill" as stated in the line item.
- Addenda #3 eliminated all the imported topsoil. Will this R-40 material qualify for topsoil to be planted on?

A. *Line Item #101 (Import and Place Clean Fill):*

- *The statement referring to a required minimum R-Value of 40 has been removed from the plan set.*
- *The updated bid schedule that was provided in Addendum #3 eliminated the need for the additional topsoil. The R-Value of 40 is no longer required.*

7. Q. Line Item #54 Storm Drain Pipe 72"x24" Concrete Box Culvert:

- Is there a detail for the box culvert?
- Can it be pre cast?

A. *Line Item #54 (Storm Drain Pipe 72"x24" Concrete Box Culvert):*

- *There is no current detail from the City for the box culvert. Contractor should reference CDOT specifications and detail for single-cell, pre-cast concrete box culvert.*
- *Yes. The box culvert may be pre-cast.*

8. Q. Line Item #67 Storm Drain Outlet Structure:

- Is there a drawing for this structure? (Drawing 79 Notes refers to "Detail xxxxxxx1 in the Final Drainage Report for the Riverfront at Dos Rios Business Park, Appendix X WQCV Plate and Outlet Structure") I cannot find this report.

A. *Line Item #67 (Storm Drain Outlet Structure):*

- *Yes. Please see sheet C-1 (Water Quality Outlet Structure) plan of the Final Drainage Report (overall sheet 158) of the report, attached. The detail reference on drawing sheet 79 has been updated.*

9. Q. Line Item # 241 Rock Type 2 (Larger) :

- Drawings L-1 and L-2 Legend Notes identify this material as “ -3 inch Colorado River Rock”. Is this a brand name for a material provided by a specific supplier or is it rock from the Colorado River?

A. *Line Item #241 (Rock Type 2 (Larger)):*

- *3” Colorado River Rock refers to rounded cobbles, originating from rivers, within the state of Colorado. One may reference the “Rock Shop”, located close to the project site, which contains this size river cobble as well as a number of other river cobbles, and are designated as Colorado River Rock (Gravels and Cobbles).*

10. Q. Can a PDF with existing topo lines be provided with Drawings 246 and 247?

A. *Yes. Please see the answer to question #3, above.*

11. Q. Will the day count for completion time be suspended during winter months when work is restricted?

A. *Perhaps. Please refer to Section 2.46 Force Majeure, of the solicitation document, as part of the original Bid Documents.*

12. Q. Only finding 1 ea. Curb Inlet with Drive-over curb hood, bid schedule shows 2 ea. can you assist?

A. *There are (2) drive-over curb inlets. Structure(s) #66 & 75. Structure #66 (at the end of Confluence Court) was previously labeled incorrectly.*

13. Q. #45 water service assy- I assume this is for the pit/yoke/meter....which is supplied by the City of GJ so not needed in the bid?

A. *No. This line item is needed. The Contractor is responsible for installing the saddle connection, corp stop, and piping to the meter pit. The City will provide the pit structure, yoke, and meter.*

14. Q. After looking through the project plans and standard specs I haven't been able to find a trench detail for flexible pipe materials (PVC, HDPE or PP pipe). The City of Grand Junction Standard Specifications for the Construction of Underground Utilities references 'City Standard Drawings' but wasn't able to find that on the City website. Can you help point me in the right direction? I just want to make sure the project is being bid equitably.

I read through the written spec for HDPE, however, what ADS is proposing is Polypropylene (HP Storm), which is 2x stiffer than HDPE. Because of the increase rigidity, lower classification backfills can be used while still maintaining structural integrity. With the different backfill materials there are different maximum cover requirements (see attached note A2.04). ADS recommends a minimum cover of 1' (top of rigid pavement, bottom of flexible pavement), using a Class III material per ASTM D2321 (see classes of Embedment and Backfill Materials) for reference.

A. *For Contractors wanting to price out an alternative pipe material (only allowed for circular RCP pipe), the Contractor must follow the manufacturer's specifications for pipe bedding and backfill materials, as well as minimum required coverage. If minimum coverage per the manufacturer is not achievable, as shown on the construction plans, the Contractor must install RCP pipe. The pipe bedding and backfill materials for the alternative plastic pipe is incidental to the pipe installation, and shall be included in the unit cost. There will be no separate pay items for pipe bedding or backfill materials.*

Regarding the alternate pipe trench detail that is not in the City of Grand Junction's "City Standard Drawings", please refer to the 2017, CDOT Standard Specifications for Road and Bridge Construction.

16. Q. Does the designer want the 8" concrete pavement in the bus pull-ins / parking stalls to be reinforced? If so please indicate type of reinforcement (Dowels, mat of bar, etc), size, spacing, and orientation.

A. *No. Reinforcement within the 8" concrete section for parallel parking is not required.*

17. Q. Does the designer want the sidewalks to be doweled into the restroom slab? If so please indicate length, size, and spacing.

A. *No.*

18. Q. Is the asphalt thickness known for existing asphalt on Hale Avenue and Trail?

A. *The existing asphalt thickness for Hale Avenue and the existing asphalt trail are not known. The Contractor should assume a minimum thickness of 4" for the trail, and 6" for Hale Ave.*

19. Q. Will construction water be available from existing hydrants onsite?

A. *No. The Contractor shall utilize the filling station located adjacent to City Shops.*

20. Q. What agency will construction water be purchased from?

A. *The City of Grand Junction.*

21. Q. Would the owner accept a 6x3 precast box culvert as an alternate to the 6x2 precast box culvert that is stated on the plans?

A. *No. There is not enough available cover over the box to allow for 3'.*

22. Q. Is it possible to provide the site existing grades to correspond with plan sheets 246 & 247 overlot grading plans ?

A. *Please see answer to question #4 above.*

23. Q. Erosion Control Plans are not provided, can these plans be provided?

A. *Please see the Stormwater Management Plan sheets (overall sheets 263-266).*

24. Q. Evergreen Trees have been lumped into bid item 208 - Shrubs (1021 EA). Can these two be separated into two separate bid items?

A. *Evergreen trees have been added to the bid schedule as a new line item #208. There are 12 evergreen trees in the bid schedule. "Shrubs" have been changed to bid item #209.*

25. Q. Bid item 207 - Trees, 1-1/2" Deciduous should have a quantity of 65 instead of 66.

A. *Bid item 207 has been confirmed at 66 trees.*

26. Q. Bid item 222 - Trees, 2" Deciduous should have a quantity of 59 instead of 58.

A. *The 2" Deciduous tree count has been revised to 59 trees. This bid item # has been changed from 222 to 223.*

27. Q. Please clarify the total quantity of irrigation controllers and irrigation connections (Detail A/I-3) and their locations on the plans.

A. *The total number of irrigation controllers are 1. The total number of irrigation connections to the raw waterline are 1. Please see sheet I-1 of the Dos Rios Bicycle Playground Landscape and Irrigation Plans (overall sheet 308).*

28. Q. The bid schedule includes 10 benches (bid item 220), but the site furnishing schedule on sheet L-1 on calls out 4. Please confirm the bench quantity.

A. *This bid item has been changed to bid item #221. The Contractor shall bid-out the number of benches included in the Bid schedule. The final location of the remaining benches will be decided at the pre-construction meeting after the project is awarded.*

29. Q. Item #181- What size are the actual air vac/valves to be? Qty 4 off of 10" pipe, qty 4 off of 8" pipe.

A. *The actual size of the air vac valves, as shown in City Standard Drawing W-11, shall be 6-inches.*

30. Q. Please clarify what is to be included in bid item 204 – Riparian Restoration – 108,900 SF.

A. *The Riparian Restoration line item refers to the upland area adjacent to the riverbank stabilization portion of the project (See sheets 281-293). The restoration includes clearing and grubbing prior to bank stabilization construction. The Contractor shall include a soil amendment, similar to bid item(s) #202, 231 and 236. In addition, the Contractor shall include a general riparian seed mix for planting after the soil has been amended.*

31. Q. I see you are allowing alternate materials for round RCP but you are specifying Fabricated Manhole Tee's. If these Tee's are not available in alternate materials how can the pipe be allowed as an alternate?

A. *If the tee in question is not available in an alternative material, the Contractor may propose to the Project Engineer the installation of a standard manhole. This will be decided on a case by case scenario.*

32. Q. We would like to submit our substitution request for the shelters on the upcoming Riverfront at Dos Rios Phase II Construction bid. Per the bid documents we have attached the 3-part specification and preliminary drawing for your review. We have seen in the past approving more than one supplier will allow the City to get the best pricing out of all suppliers. It is also worthwhile to mention that RCP Shelters has been in business since 1957, longer than any other shelter manufacturer, and have projects in all 50 states, multiple countries, and have designed shelters in the harshest of loading conditions including 265 psf snow loads, and 150 mph wind load.

A. *The City will allow the RCP shelter as a bid alternative to the Shelter plans that were included in Addendum #3.*

33. Contractors shall utilize the attached revised Addendum 4 Price Bid Schedule when submitting their bid responses.

34. Additional Clarifications:

1. Please see attached the additional option for the Dos Rios Park “alternate” small shelter plans and specifications.
2. Please see attached the revised Construction Plans (Sheets 1-293). The major revisions include:
 - a. Upsizing all water service assemblies from 1” to 2” services. Please note the applicable line item changes, including the pipe material.
 - b. Updates to Removal Plan R-8.
3. Addition of Existing Ground Contour Plans EGC1 & EGC2 for topo clarification.
4. The quantity of the luminaires, light foundations, and pedestals for the site lighting plans have been updated. See revised Bid Schedule reflecting the updated quantities.
5. Updated Addendum 4 Price Bid Schedule.
6. See attached “Test Pit and Trench Location” Exhibit for potential debris removal locations.
7. See attached Final Drainage Report, containing outlet structure detail.
8. See below for Special Condition #8 (SP-8), regarding early access to the Parcels MU-3 & MU-4.
 4. See attached exhibit of the envisioned build-out for the Dos Rios Phase 2 development.

SP-8 – EARLY ACCESS

DEVELOPER ACCESS TO PARCELS MU-3 & MU-4

The Developer for the entire Dos Rios project site has requested that Parcels MU-3 & MU-4 have all weather access available to them by April 19, 2021. This means that the General Contractor shall provide access off of Dos Rios Drive, or Calle Del Rio, by ensuring that a minimum, the bottom asphalt mat will be installed within each road by April 19th, 2021. For Dos Rios Drive, the segment south of the proposed roundabout shall have the bottom mat installed, extending to the termination

point of the existing phase 1 Dos Rios road stub. If the Contractor chooses to provide access to MU-3 by way of Calle del Rio, that portion of the road adjacent to MU-3 must have at a minimum the bottom mat of asphalt pavement installed.

There will be no separate pay items for providing access to parcels MU-3 or MU-4, and shall be part of the bid items included in the original bid solicitation.

Once April 19th arrives, and depending on how much of the right-of-way hardscape (i.e. curb, gutter, and sidewalk) has been installed adjacent to said parcels, it will be the developer's responsibility to protect and maintain that hardscape.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

A handwritten signature in black ink, appearing to read "Duane Hoff Jr.", written in a cursive style.

Duane Hoff Jr., Senior Buyer
City of Grand Junction, Colorado

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
1	626	Mobilization	1.	Lump Sum	\$ _____	\$ _____
2	626	Construction Surveying	1.	Lump Sum	\$ _____	\$ _____
3	620	Sanitary Facility	1.	EA	\$ _____	\$ _____
4	209	Dust Abatement	500.	DAYS	\$ _____	\$ _____
5	208	Stabilized Construction Entrance	5.	EA	\$ _____	\$ _____
6	208	Erosion Control (Complete in Place)	1.	Lump Sum	\$ _____	\$ _____
7		Potholing	1.	Lump Sum	\$ _____	\$ _____
8	108.2	4" Sewer Service Pipe (SDR 35)	786.	LF	\$ _____	\$ _____
9	108.2	6" Sewer Service Pipe (SDR 35)	93.	LF	\$ _____	\$ _____
10	108.2	8" Gravity Sewer Pipe (SDR 35)	1,682.	LF	\$ _____	\$ _____
11	108.2	Import Trench Backfill	4,000.	CY	\$ _____	\$ _____
12	108.3	4" Sewer Service Tap to Existing Main	18.	EA	\$ _____	\$ _____
13	108.3	4" Sewer Service Tap to New Main	8.	EA	\$ _____	\$ _____
14	108.3	8" End Cap/Plug Sewer	1.	EA	\$ _____	\$ _____
15	108.3	Sanitary Sewer Cleanout (2-way) to Include Appurtenances per City Standard Detail SS-07.	26.	EA	\$ _____	\$ _____
16	108.5	Sanitary Sewer Basic Manhole Placed on Existing Line (60" I.D.) (Complete in Place).	2.	EA	\$ _____	\$ _____
17	108.5	Sanitary Sewer Basic Manhole Placed on Existing Line (48" I.D.) (Complete in Place).	1.	EA	\$ _____	\$ _____
18	108.5	Sanitary Sewer Basic Manhole (48" I.D.) (Complete in Place).	12.	EA	\$ _____	\$ _____
19	108.5	Sanitary Manhole Barrel Section (D>5') (60" I.D.).	6.	VLF	\$ _____	\$ _____
20	108.5	Sanitary Manhole Barrel Section (D>5') (48" I.D.).	33.6	VLF	\$ _____	\$ _____
21	108.5	Connect to Existing Manhole or Sewer Main	3.	EA	\$ _____	\$ _____
22	210	Adjust Sewer Manhole to Finished Grade.	15.	EA	\$ _____	\$ _____
23	104.4	Fully Encased Sewer in Concrete per City Standard Detail GU-04. See Plan Sheet 6.	11.	EA	\$ _____	\$ _____
24	104.4	Cap Top Half of Sewer in Concrete per City Standard Detail GU-04.	12.	EA	\$ _____	\$ _____
25	108.2	6" Water Pipe (C-900 PVC).	632.	LF	\$ _____	\$ _____
26	108.2	8" Water Pipe (C-900 PVC).	5,230.	LF	\$ _____	\$ _____
27	108.3	6" Gate Valve	17.	EA	\$ _____	\$ _____
28	108.3	8" Gate Valve	22.	EA	\$ _____	\$ _____
29	108.3	8" X 6" Tee	14.	EA	\$ _____	\$ _____
30	108.3	8" X 8" Tee	5.	EA	\$ _____	\$ _____
31	108.3	8" X 6" Cross	1.	EA	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
32	108.3	8" Cross	1.	EA	\$ _____	\$ _____
33	108.3	8", 22.5° Elbow	10.	EA	\$ _____	\$ _____
34	108.3	8", 45° Elbow	9.	EA	\$ _____	\$ _____
35	108.3	8", 11.25° Elbow	14.	EA	\$ _____	\$ _____
36	108.3	6", 45° Elbow	3.	EA	\$ _____	\$ _____
37	108.3	8" X 6" Reducer	4.	EA	\$ _____	\$ _____
38	108.3	8" X 4" Reducer	1.	EA	\$ _____	\$ _____
39	108.3	6" End Cap/Plug Water	4.	EA	\$ _____	\$ _____
40	108.3	Fire Hydrant Assembly	12.	EA	\$ _____	\$ _____
41	108.3	2" Tapping Saddle	27.	EA	\$ _____	\$ _____
42	108.3	2" Corporation Stop	27.	EA	\$ _____	\$ _____
43	108.3	Potable Water - 8" Tapping Sleeve	1.	EA	\$ _____	\$ _____
44	108.4	Water Service Line (2") (HDPE)	1,130.	LF	\$ _____	\$ _____
45	108.4	2" Water Service Assembly	27.	EA	\$ _____	\$ _____
46	202	Remove Water Valve	3.	EA	\$ _____	\$ _____
47	202	Remove Fire Hydrant	1.	EA	\$ _____	\$ _____
48	202	Abandon Water Valve	2.	EA	\$ _____	\$ _____
49	202	Abandon Water Pipe (Plug Remaining Ends with Concrete).	4.	EA	\$ _____	\$ _____
50	202	Remove Water Meter	2.	EA	\$ _____	\$ _____
51	210	Adjust Water Valve to Finished Grade	4.	EA	\$ _____	\$ _____
52	210	Adjust Water Meter to Finished Grade	2.	EA	\$ _____	\$ _____
53	210	Adjust Fire Hydrant to Finished Grade	1.	EA	\$ _____	\$ _____
54	108.2	Storm Drain Pipe - 72" x 24" Concrete Box Culvert	557.	LF	\$ _____	\$ _____
55	108.2	Storm Drain Pipe - 29" x 18" Concrete Horizontal Elliptical Arch Pipe.	895.	LF	\$ _____	\$ _____
56	108.2	Storm Drain Pipe - 48" Concrete Pipe	50.	LF	\$ _____	\$ _____
57	108.2	Storm Drain Pipe - 42" Concrete Pipe	363.	LF	\$ _____	\$ _____
58	108.2	Storm Drain Pipe - 36" Concrete Pipe	1,092.	LF	\$ _____	\$ _____
59	108.2	Storm Drain Pipe - 24" Concrete Pipe	853.	LF	\$ _____	\$ _____
60	108.2	Storm Drain Pipe - 18" Concrete Pipe	2,252.	LF	\$ _____	\$ _____
61	108.2	Storm Drain Pipe - 12" Concrete Pipe	703.	LF	\$ _____	\$ _____
62	108.2	Storm Drain Pipe - 8" PVC Pipe (C-900)	68.	LF	\$ _____	\$ _____
63	108.5	Storm Drain Manhole (48" I.D.)	6.	EA	\$ _____	\$ _____
64	108.5	Storm Drain Manhole (60" I.D.)	4.	EA	\$ _____	\$ _____
65	108.5	Storm Drain Manhole (60" I.D.) with Flat Top Lid	5.	EA	\$ _____	\$ _____
66	108.5	Storm Drain Manhole (72" I.D.)	1.	EA	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
67	108.6	Storm Drain - Outlet Structure - See "Water Quality Outlet Structure" to Include All Appurtenances (Complete in Place).	1.	EA	\$ _____	\$ _____
68	108.6	Storm Drain Inlet with Vertical Curb Opening (24" x 36")	20.	EA	\$ _____	\$ _____
69	108.6	Storm Drain Inlet with Drive Over Curb Opening (24" x 36")	2.	EA	\$ _____	\$ _____
70	108.6	Storm Drain - Large Area Inlet (24" x 36")	14.	EA	\$ _____	\$ _____
71	108.5	Storm Drain - Concrete Headwall (8'-9" wide x 9'-10" height) per CDOT M&S Standard Plan M-601-10 and 48" Flap	1.	EA	\$ _____	\$ _____
72	108.5	Storm Drain - Conflict Structure	1.	EA	\$ _____	\$ _____
73	108.5	Storm Drain - Access Manhole	3.	EA	\$ _____	\$ _____
74	108.5	Storm Drain - Access Inlet (24" x 36" I.D.) Vertical Curb Opening	1.	EA	\$ _____	\$ _____
75	108.6	Storm Drain - Access Inlet (24" x 36" I.D.) Area Inlet Opening	1.	EA	\$ _____	\$ _____
76	108.6	Storm Drain - 42" x 48" Tee Manhole	2.	EA	\$ _____	\$ _____
77	108.6	Storm Drain - 42" x 48" x 36" Tee Manhole	1.	EA	\$ _____	\$ _____
78	108.5	Storm Drain - 36" x (24" x 36" Box Leg) Tee Inlet Area Inlet Frame and Grate (24" x 36" Opening)	1.	EA	\$ _____	\$ _____
79	108.5	Storm Drain - 72" x 24" Prefabricated Pipe Elbow	2.	EA	\$ _____	\$ _____
80	108.5	Storm Drain - Inlet Over MH (Vertical Curb Opening) (24" x 36" I.D.)	2.	EA	\$ _____	\$ _____
81	108.5	Storm Drain - Inlet Over MH (Large Area Inlet Opening) (24" x 36" I.D.)	4.	EA	\$ _____	\$ _____
82	108.5	Storm Drain - Prefab Pipe Transition per Plan	1.	EA	\$ _____	\$ _____
83	108.6	Storm Drain - Manhole Barrel Section (D>5')(72" I.D.)	5.1	VLF	\$ _____	\$ _____
84	108.5	Storm Drain - Manhole Barrel Section (D>5')(60" I.D.)	2.2	VLF	\$ _____	\$ _____
85	108.5	Storm Drain - Manhole Barrel Section (D>5')(48" I.D.)	5.23	VLF	\$ _____	\$ _____
86	108.5	Core and Connect New 18" Storm Pipe to New Box Culvert	4.	EA	\$ _____	\$ _____
87	108.7	Granular Stabilization Material (Type B)	2,300.	TON	\$ _____	\$ _____
88	202	Remove Storm Drain Inlet	1.	EA	\$ _____	\$ _____
89	202	Remove 15" Flared End Section	1.	EA	\$ _____	\$ _____
90	202	Remove 15" Storm Pipe	90.	LF	\$ _____	\$ _____
91	202	Abandon Storm Pipe	1.	EA	\$ _____	\$ _____
92	210	Reset Storm Drain Inlet D1-252-099	1.	EA	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
93	210	Connect to and Adjust to Finished Grade Storm MH C4-252-017	1.	EA	\$ _____	\$ _____
94	210	Adjust Storm Manhole to Finished Grade	1.	EA	\$ _____	\$ _____
95	420	Geosynthetics - Mirifi RS580i or Approved Equal	5,600.	SY	\$ _____	\$ _____
96	506	Riprap (d50=12" to Include Geogrid)	40.	SY	\$ _____	\$ _____
97	203	Unclassified Excavation	43,790.	CY	\$ _____	\$ _____
98	203	Unclassified Embankment	67,341.	CY	\$ _____	\$ _____
99	203	Debris Processing and Removal	12,000.	CY	\$ _____	\$ _____
100	203	Colorado River Bank Stabilization	900.	LF	\$ _____	\$ _____
101	203	Import and Place Clean Fill	43,753.	CY	\$ _____	\$ _____
102	210	Adjust Pull Box to Finished Grade	9.	EA	\$ _____	\$ _____
103	210	Adjust Light Pole and Foundation to Finished Grade	2.	EA	\$ _____	\$ _____
104	613	Joint Trench with Broad Band (Site Electrical - Street LT Circuits (2)-2" Schedule 80 PVC conduit). Refer to Utility Trench Detail	32,600.	LF	\$ _____	\$ _____
105	613	Joint Trench with Site Electrical (Broad Band (3)-2" Schedule 80 PVC conduit). Refer to Utility Trench Detail	48,900.	LF	\$ _____	\$ _____
106	613	Joint Trench with XCEL Energy and Charter who provides and places their materials (Century Link - 4" Schedule 80 PVC conduit). Refer to Utility Trench Detail	16,300.	LF	\$ _____	\$ _____
107	613	Joint Trench with XCEL Energy and Charter who provides and places their materials (Century Link - 2" Schedule 80 PVC conduit). Refer to Utility Trench Detail	16,300.	LF	\$ _____	\$ _____
108	613	Large Splice Box (Quasite) (3' - 2 5/8" x 2'-2") Broadband Logo.	32.	EA	\$ _____	\$ _____
109	613	Splice Box (Provided by Others - Century Link)	20.	EA	\$ _____	\$ _____
110	613	Type One Pull Box	184.	EA	\$ _____	\$ _____
111	Elec	Wiring (Complete in Place)	1.	Lump Sum	\$ _____	\$ _____
112	Elec	Light Standard and Luminaire (Pedestrian)	150.	EA	\$ _____	\$ _____
113	Elec	Light Standard and Luminaire (Street)	15.	EA	\$ _____	\$ _____
114	Elec	Light Standard Foundation (Pedestrian)	150.	EA	\$ _____	\$ _____
115	Elec	Light Standard Foundation (Street)	15.	EA	\$ _____	\$ _____
116	Elec	Lighting Control Center PWR Pedestal (Special) (Complete in Place) to include Appurtenances	2.	EA	\$ _____	\$ _____
117	202	Remove Asphalt Mat		SY		
118	202	Remove Concrete	400.	SY	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
119	202	Romove Ground Sign	10.	EA	\$ _____	\$ _____
120	202	Remove High Voltage Overhead Power Pole Foundations	2.	EA	\$ _____	\$ _____
121	202	Remove Tree	10.	EA	\$ _____	\$ _____
122	202	Remove Property Pin (No Reference or Reset)	4.	EA	\$ _____	\$ _____
123	202	Remove Fencing (Includes All Gates and Associated Appurtenances.)	2,000.	LF	\$ _____	\$ _____
124	202	Remove Mail Box	1.	EA	\$ _____	\$ _____
125	202	Clearing and Grubbing	1.	Lump Sum	\$ _____	\$ _____
126	210	Reference/Reset Survey Monument	6.	EA	\$ _____	\$ _____
127	210	Reset Ground Sign	2.	EA	\$ _____	\$ _____
128	304	Aggregate Base Course (Class 6) (4" Thick)(Co. River Trail Shoulder)	1,015.	SY	\$ _____	\$ _____
129	304	Subgrade Stabilization - Aggregate Base Course (Class 3)(12" Thick)	5,600.	SY	\$ _____	\$ _____
130	304	Aggregate Base Course (Class 6) (13" Thick)	18,200.	SY	\$ _____	\$ _____
131	304	Aggregate Base Course (Class 6) (6" Thick)	30.	SY	\$ _____	\$ _____
132	306	Reconditioning (12" Deep)	25,000.	SY	\$ _____	\$ _____
133	401	Hot Mix Asphalt (5" Thick) (Grading SX 75, Binder Grade 64-22) (Roadways)	5,000.	TON	\$ _____	\$ _____
134	401	Hot Mix Asphalt (3" Thick) (Grading SX 75, Binder Grade 64-22) (Driveways)	5.	TON	\$ _____	\$ _____
135	627	Preformed Thermoplastic Pavement Marking (Handicap Symbol)	4.	EA	\$ _____	\$ _____
136	627	Preformed Thermoplastic Pavement Marking (X-walk) (2' x 10' TYP.)	131.	EA	\$ _____	\$ _____
137	627	Preformed Thermoplastic Pavement Marking (8" White Dotted Line, 2' Segment, 3' Gap)	100.	LF	\$ _____	\$ _____
138	627	Preformed Thermoplastic Pavement Marking (4" White Solid)	2,750.	LF	\$ _____	\$ _____
139	627	Preformed Thermoplastic Pavement Marking (2' White Solid)	170.	LF	\$ _____	\$ _____
140	630	Traffic Control (Complete In Place)	1.	Lump Sum	\$ _____	\$ _____
141	630	Traffic Control Plan	1.	Lump Sum	\$ _____	\$ _____
142	202	Remove Asphalt Mat	40.	SY	\$ _____	\$ _____
143	202	Remove Concrete	313.	SY	\$ _____	\$ _____
144	202	Remove Pull Box	2.	EA	\$ _____	\$ _____
145	202	Remove Concrete Pole Box	3.	EA	\$ _____	\$ _____
146	202	Remove Tree	7.	EA	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
147	203	Unclassified Excavation	437.	CY	\$ _____	\$ _____
148	208	Erosion Control (Complete in Place)	1.	Lump Sum	\$ _____	\$ _____
149	304	Aggregate Base Course (Class 6) (8" Thick) (Left Turn Lane)	565.	SY	\$ _____	\$ _____
150	401	Hot Mix Asphalt (6" Thick) (Grading SX, Binder Grade 64-22) (Left Turn Lane)	187.	TON	\$ _____	\$ _____
151	608	Concrete Bullnose End Section (8" Thick) to include 6" of Class 6 Aggregate Base Course	5.	SY	\$ _____	\$ _____
152	608	Concrete Curb and Spill Gutter (1.5' Wide) to include 6" of Class 6 Aggregate Base Course.	320.	LF	\$ _____	\$ _____
153	608	Concrete Median Edging (2' Wide) (Colored Concrete) (Davis Colors Sunset Rose) to include 6" of Class 6 Aggregate Base Course	40.	LF	\$ _____	\$ _____
154	608	Concrete Cover Material (Colored Concrete) (Davis Colors Sunset Rose) (4" Thick) to include 6" of Class 6 Aggregate Base Course	185.	SY	\$ _____	\$ _____
155	627	Preformed Thermoplastic Pavement Marking (Left Turn Symbol)	2.	EA	\$ _____	\$ _____
156	630	Traffic Control (Complete In Place)	1.	Lump Sum	\$ _____	\$ _____
157	630	Traffic Control Plan	1.	Lump Sum	\$ _____	\$ _____
158	SP	Safe Hit Flexible Delineator (SH248GP3--WS 09) to include 4" PVC Sleeve	2.	EA	\$ _____	\$ _____
159	608	Concrete Pavement (Roundabout) (10" Thick) to include 6" Class 6 Aggregate Base Course	1,415.	SY	\$ _____	\$ _____
160	608	Concrete Curb and Spill Gutter (1.5' Wide) to include 6" of Class 6 Aggregate Base Course.	1,705.	LF	\$ _____	\$ _____
161	608	Concrete Truck Apron (Roundabout) (10" Thick) to include 6" of Class 6 Aggregate Base Course	310.	SY	\$ _____	\$ _____
162	608	Concrete Curb (6" Wide) (6" High) to include 6" of Class 6 Aggregate Base Course.	975.	LF	\$ _____	\$ _____
163	608	Concrete Curb and Gutter (2' Wide) (Both Collector and Spill Gutters) to include 6" of Class 6 Aggregate Base Course.	9,500.	LF	\$ _____	\$ _____
164	608	Concrete Drive-Over Curb and Gutter both 3' and 3.5' Wide and Both Collector and Spill Gutter to include 6" of Class 6 Aggregate Base Course.	1,075.	LF	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
165	608	Concrete Sidewalk (6" Thick) to include 6" of Class 6 Aggregate Base Course	13,875.	SY	\$ _____	\$ _____
166	608	Concrete Pavement (Parking & Plain Color Paving Bike Park Plaza) (8" Thick) to include 6" of Class 6 Aggregate Base Course.	4,725.	SY	\$ _____	\$ _____
167	608	Concrete Sculpture Pad (Bike Park Plaza) (8" Thick) to include 6" of Class 6 Aggregate Base Course and Reinforcement as Specified.	20.	SY	\$ _____	\$ _____
168	608	Concrete Pavement Band (Bike Park Plaza) (8" Thick) (Color Landscape per Landscape Plans) to include 6" of Class 6 Aggregate Base Course.	80.	SY	\$ _____	\$ _____
169	608	Concrete Drainage Pan (3' Wide) to include 6" of Class 6 Aggregate Base	307.	LF	\$ _____	\$ _____
170	608	Concrete Drainage Pan (6' Wide) to include 6" of Class 6 Aggregate Base	27.	LF	\$ _____	\$ _____
171	608	Concrete Intersection Corner (8" Thick) to include 6" of Class 6 Aggregate Base Course. Includes All Items Labeled as Concrete Bullnose End Section and Concrete Corner Fillet on the Plans.	85.	SY	\$ _____	\$ _____
172	608	Concrete Curb Ramp to include 6" of Class 6 Aggregate Base Course.	600.	SY	\$ _____	\$ _____
173	608	Concrete Driveway Section (8" Thick) (Commercial) to include 6" Class 6 Aggregate Base Course.	190.	SY	\$ _____	\$ _____
174	608	Detectable Warning (Cast Iron, Wet Set (2'x2'))	150.	EA	\$ _____	\$ _____
175	RAW 108.2	4" Raw Water Pipe (C-900 PVC)	255.	LF	\$ _____	\$ _____
176	RAW 108.2	8" Raw Water Pipe (C-900 PVC)	2,585.	LF	\$ _____	\$ _____
177	RAW 108.2	10" Raw Water Pipe (C-900 PVC)	2,500.	LF	\$ _____	\$ _____
178	RAW 108.3	Raw Water - 4" Gate Valve	5.	EA	\$ _____	\$ _____
179	RAW 108.3	Raw Water - 8" Butterfly Valve	7.	EA	\$ _____	\$ _____
180	RAW 108.3	Raw Water - 10" Butterfly Valve	3.	EA	\$ _____	\$ _____
181	RAW 108.3	Raw Water - Combination Air Valve and Vault Assembly. Complete in Place	8.	EA	\$ _____	\$ _____
182	RAW 108.3	Raw Water - 8" x 4" Tee	3.	EA	\$ _____	\$ _____
183	RAW 108.3	Raw Water - 8" x 8" Tee	2.	EA	\$ _____	\$ _____
184	RAW 108.3	Raw Water - 8" Cross	1.	EA	\$ _____	\$ _____
185	RAW 108.3	Raw Water - 10" x 4" Tee	2.	EA	\$ _____	\$ _____
186	RAW 108.3	Raw Water - 10" x 10" Tee	1.	EA	\$ _____	\$ _____
187	RAW 108.3	Raw Water - 4", 11.25° Elbow	5.	EA	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
188	RAW 108.3	Raw Water - 4", 22.5° Elbow	5.	EA	\$ _____	\$ _____
189	RAW 108.3	Raw Water - 8", 11.25° Elbow	6.	EA	\$ _____	\$ _____
190	RAW 108.3	Raw Water - 8", 22.5° Elbow	14.	EA	\$ _____	\$ _____
191	RAW 108.3	Raw Water - 8", 45° Elbow	10.	EA	\$ _____	\$ _____
192	RAW 108.3	Raw Water - 8", 90° Elbow	1.	EA	\$ _____	\$ _____
193	RAW 108.3	Raw Water - 10", 11.25° Elbow	11.	EA	\$ _____	\$ _____
194	RAW 108.3	Raw Water - 10", 22.5° Elbow	16.	EA	\$ _____	\$ _____
195	RAW 108.3	Raw Water - 10", 45° Elbow	6.	EA	\$ _____	\$ _____
196	RAW 108.3	Raw Water - 8" x 4" Reducer	4.	EA	\$ _____	\$ _____
197	RAW 108.3	Raw Water - 10" x 8" Reducer	1.	EA	\$ _____	\$ _____
198	RAW 108.3	Raw Water - 10" x 4" Reducer	1.	EA	\$ _____	\$ _____
199	RAW 108.3	Raw Water - 8" End Cap/Plug	1.	EA	\$ _____	\$ _____
200	RAW 108.3	Raw Water - 4" End Cap/Plug	10.	EA	\$ _____	\$ _____
201	RAW 202	Remove Raw Water Blow off Assembly	1.	EA	\$ _____	\$ _____
202	LSC in ROW	Soil Amendment, Delivered, Tilled, Spread	41,265.	SF	\$ _____	\$ _____
203	LSC in ROW	Shrub Bed - Fine Grade, Rock Mulch	41,265.	SF	\$ _____	\$ _____
204	LSC in ROW	Riparian Restoration	108,900.	SF	\$ _____	\$ _____
205	LSC in ROW	Irrigation System	1.	Lump Sum	\$ _____	\$ _____
206	LSC in ROW	Trees, 2" Deciduous	70.	EA	\$ _____	\$ _____
207	LSC in ROW	Trees, 1-1/2" Deciduous	66.	EA	\$ _____	\$ _____
208	LSC in ROW	Evergreen Trees, 6 FT	12.	EA	\$ _____	\$ _____
209	LSC in ROW	Shrubs	1,021.	EA	\$ _____	\$ _____
210	LSC in ROW	Perennials	45.	EA	\$ _____	\$ _____
211	LSC in ROW	Boulders, 3'X2'	43.	EA	\$ _____	\$ _____
212	LSC in ROW	Additional Sleeving - 6" PVC CL 200	1,700.	LF	\$ _____	\$ _____
213	LSC in Park	Restroom Shelter	1.	EA	\$ _____	\$ _____
214	LSC in Park	Small Shelters	1.	Lump Sum	\$ _____	\$ _____
215	LSC in Park	Modular Block Walls (Versa-Lok)(Park Plaza Amphitheater)	424.	FF	\$ _____	\$ _____
216	LSC in Park	Concrete Landscape Edger	45.	LF	\$ _____	\$ _____
217	LSC in Park	Play Area Barrier Curb	290.	LF	\$ _____	\$ _____
218	LSC in Park	Engineered Wood Fiber Play Material	319.	CY	\$ _____	\$ _____
219	LSC in Park	Play Area ADA Ramp	2.	EA	\$ _____	\$ _____
220	LSC in Park	Concrete Stain Treatment	741.	SF	\$ _____	\$ _____
221	LSC in Park	Benches	10.	EA	\$ _____	\$ _____
222	LSC in Park	Bike Racks - (Inverted "U") Style	5.	EA	\$ _____	\$ _____
223	LSC in Park	Trees, 2" Deciduous	59.	EA	\$ _____	\$ _____
224	LSC in Park	Trees, 1-1/2" Deciduous	5.	EA	\$ _____	\$ _____
225	LSC in Park	Shrubs	128.	EA	\$ _____	\$ _____
226	LSC in Park	Perennials	24.	EA	\$ _____	\$ _____

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
227	LSC in Park	Boulders, 3' x 2'	10.	EA	\$ _____	\$ _____
228	LSC in Park	Boulders, 3' x 5'	14.	EA	\$ _____	\$ _____
229	LSC in Park	Lawn Fine Grade, Seed	45,683.	SF	\$ _____	\$ _____
230	LSC in Park	Irrigation System	1.	Lump Sum	\$ _____	\$ _____
231	LSC in Park	Soil Amendment, Delivered, Tilled, Spread	50,383.	SF	\$ _____	\$ _____
232	LSC in Park	Shrub Bed - Fine Grade, Rock Mulch	4,700.	SF	\$ _____	\$ _____
233	LSC Bike Prk	Lawn Fine Grade, Seed	25,500.	SF	\$ _____	\$ _____
234	LSC Bike Prk	Lawn Irrigation	25,500.	SF	\$ _____	\$ _____
235	LSC Bike Prk	Irrigation Controls	1.	Lump Sum	\$ _____	\$ _____
236	LSC Bike Prk	Soil Amendment, Delivered, Tilled, Spread	25,000.	SF	\$ _____	\$ _____
237	LSC Bike Prk	Split 2-Rail Fence, Cedar, Not incl. Future Track or Pump Park	965.	LF	\$ _____	\$ _____
238	LSC Bike Prk	Concrete Landscape Edger, Not incl. Future Track or Pump Park	968.	LF	\$ _____	\$ _____
239	LSC Bike Prk	Trees, 2" Deciduous	26.	EA	\$ _____	\$ _____
240	LSC Bike Prk	Trees, 1-1/2" Deciduous	8.	EA	\$ _____	\$ _____
241	LSC Bike Prk	Rock Type 1 (Smaller), not incl. Future Track or Pump Park, no Fabric or Soil Prep	11,291.	SF	\$ _____	\$ _____
242	LSC Bike Prk	Rock Type 2 (Larger), not incl. Future Track or Pump Park, no Fabric or Soil Prep	17,106.	SF	\$ _____	\$ _____
243	Amenities	Trash Recepticals	5.	EA	\$ _____	\$ _____
244	Amenities	Drinking Fountains	1.	EA	\$ _____	\$ _____
245	Amenities	Concrete for Bike/Racks Bollards (8 ft x 8 ft)	5.	EA	\$ _____	\$ _____
246	Amenities	Picnic Tables Associated with Restrooms/Shelters	8.	EA	\$ _____	\$ _____
MCR		Minor Contract Revisions	---	---	---	\$ <u>320,000.00</u>

Bid Amount: \$ _____

Bid Amount: _____ dollars

Bid Schedule: 2019 Riverfront at Dos Rios (PH2) - Addendum #4

Contractor: _____

Item No.	CDOT, City Ref.	Description	Quantity	Units	Unit Price	Total Price
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Contractor Name:
Contractor Address:
Contractor Phone #:

SECTION 10 73 46 PRE-FABRICATED SITE SHELTERS

PART 1 GENERAL

1.1 SUMMARY

- A. Design, fabrication, finishing, and delivery of pre-engineered, factory-fabricated site shelters.
- B. Site work related to installation, by Contractor or Owner, including:
 - 1. Unloading and temporary storage, if any.
 - 2. Soil testing, if necessary.
 - 3. Site preparation.
 - 4. Column foundations, rebar, anchor bolts, and anchor embedment.
 - 5. Concrete slab and embedment.
 - 6. Erection.
 - 7. Field touch up painting of factory finishes, if necessary.
- C. Site access for delivery vehicles to be provided by Owner.
- D. Related Sections: Section 033000 - Cast-In-Place Concrete: Concrete footings and slabs.

1.2 SYSTEM DESCRIPTION

- A. Design shall meet or exceed applicable building code.
- B. Pre-fabricated package shall include structural steel framing members, pre-cut roof panels, trim, and fasteners.
- C. All bolts shall be hidden, concealed inside the steel tubes.
- D. Field labor required to install the pre-fabricated parts. Onsite welding shall not be required or permitted.

1.3 REFERENCES

- A. American Society of Testing Material (ASTM)
 - 1. ASTM A325 - Standard Specification for Structural Bolts, Steel, Heat Treated
 - 2. ASTM A500 - Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
 - 3. ASTM A563 - Standard Specification for Carbons and Alloy Steel Nuts
 - 4. ASTM A572 - Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
 - 5. ASTM F1554 – Standard Specification for Anchor Bolts, Steel, 36, 55, and 105-ksi Yield Strength
- B. American Institute of Steel Construction (AISC)

- C. American Welding Society (AWS)
- D. Steel Structures Painting Council (SSPC); SSPC-SP10 - Near-White Blast Cleaning
- E. Leadership in Energy and Environmental Design (LEED)
- F. OSHA Standards 29 CFR, Part 1926, Subpart R (Steel Erection), Standard Number 1926.755: Compliance requires a minimum of four anchor bolts per column.

1.4 QUALITY ASSURANCE

- A. Designer Qualifications: Design under direct supervision of a Professional Engineer experienced in design of this type of work and licensed in the State where the Project is located.
- B. Manufacturer Qualifications: Company experienced in design and manufacture of shelters of the type specified, and having the following:
 - 1. Minimum five years of experience in design and fabrication of pre-fabricated steel shelters.
 - 2. Three references of similar shelters completed within the past year.
 - 3. Fabricator membership in American Institute of Steel Construction (AISC), requiring quality control documentation and procedures. Provide current AISC shop certification upon request.
 - 4. All welding to be performed to AWS standards by AWS certified welders. Provide welding certification upon request.
- C. Perform the work in accordance with applicable federal, State, and local building and safety codes and regulations.

1.5 SUBMITTALS

- A. Minimum 5 sets of shop drawings, showing all details of construction, including foundation sizes, reinforcement, and locations.
 - 1. Provide the licensed professional engineer's state stamp or seal on the shop drawings.
 - 2. Provide the licensed professional engineer's state stamp or seal on the structural calculations.
- B. Selection Samples: For each finish product specified, color charts representing manufacturer's full range of available colors.
- C. Warranty
 - 1. Provide minimum five year frame warranty against manufacturer defects.
 - 2. Provide roofing manufacturer's limited warranty.

1.6 DELIVERY, STORAGE, AND PROTECTION

- A. Package factory-finished steel components in foam, cardboard, and stretch wrap to protect the finish during transit.

- B. Shipped knocked down for minimal shipping charges.
- C. Deliver products to project site in manufacturer's protective packaging.
- D. Follow shelter manufacturer's recommendations and instructions, including those printed on the shop drawings. To minimize damage during unloading, use only padded forks or non-marring slings.
- E. Store products in manufacturer's unopened packaging well off the ground and covered out of weather until ready for installation.

PART 2 PRODUCTS

2.1 GENERAL

- A. Model: TS-CL1616-0406 as manufactured by RCP Shelters, Inc.
- B. Size and dimensions
 - 1. Shape: square
 - 2. Dimensions: 16' x 16'
 - 3. Roof Style: clerestory gable
 - 4. Roof Pitch: 4:12 & 6:12
 - 5. Eave Height: minimum 7'-6"
 - 6. Quantity: 2
- C. Approved Manufacturer: RCP Shelters, Inc.
 - 1. 2100 SE Rays Way, Stuart, FL 34994.
 - 2. Toll Free: 800-525-0207
 - 3. Fax: 772-288-0207
 - 4. Website: www.rcpshelters.com
 - 5. Email: info@rcpshelters.com
- D. Substitutions: Products other than specified must request and receive approval in writing by addendum at least ten (10) days prior to the bid date. See Instructions to Bidders for further instructions.

2.2 STEEL STRUCTURAL COMPONENTS

- A. Structural Framing: fabricated for field assembly using bolted connections with no welding required or permitted; cold-formed shapes prohibited.
 - 1. Columns & Beams: ASTM A500 Grade C structural steel tube. The following shapes are prohibited: I-beams, wide-flange beams, C-channels, Z-shapes.
 - 2. Plates: ASTM A572 Grade 50.
 - 3. Compression Ring: steel plate, ASTM A572 Grade 50.
 - 4. Fasteners
 - a. Bolts: ASTM A325 high strength bolts.
 - b. Nuts: ASTM A563 high strength nuts.
 - 5. Column Anchors: ASTM F1554 Grade 36, provided by Contractor or Owner, attached to top of foundation, recessed below slab on grade.

6. Cap plates: factory bent and field installed with hidden fasteners on hip and ridge beams not normal to roof so that metal roof deck does not bear structurally on beam corner only
 7. Finish: Powder Coat
 - a. Pre-blast inspection to catch and remove oil, grease, and other coatings impeding contaminants
 - b. Steel grit blasted to near white condition in accordance with SSPC-SP10, removing all oil residue, mil scale, weld spatter, and slag
 - c. Five stage phosphate wash (includes detergent, phosphate, rust protectant sealant)
 - d. Epoxy powder coat primer
 - e. Double topcoat TGIC polyester powder coat; color to be selected from manufacturer's standard color chart by Owner.
 - f. Primer plus finish coats shall be 7-12 mils thick
 - g. All materials inspected to meet 100% coating, proper cure, film thickness, and impact resistance
 - h. Wet-coat alternatives shall not be acceptable.
- B. Roof System: Galvalume® structural metal roof panels with exposed fasteners.
1. Acceptable Panel Profiles:
 - a. Galvalume® panels with 1-3/16" high ribs, 12" on center.
 - b. Galvalume® panels with 1-1/2" high ribs, 7.2" on center.
 2. Panel Gauge: minimum 24-gauge.
 3. Panel Width: 3'-0".
 4. Panel Length: Precut to the length from the eave to the ridge; angles factory precut.
 5. Panel Orientation: Ribs shall run with the pitch of the roof for proper drainage.
 6. Trim: Provide matching roof trim and fasteners.
 7. Finish: Factory pre-finished with Kynar 500® paint system; color to be selected by Owner from standard color chart.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that site earthwork has been performed as required for satisfactory installation.

3.2 PREPARATION

- A. Install footings and column anchors of size, design, and location as specified by shelter manufacturer on approved shop drawings.

3.3 INSTALLATION

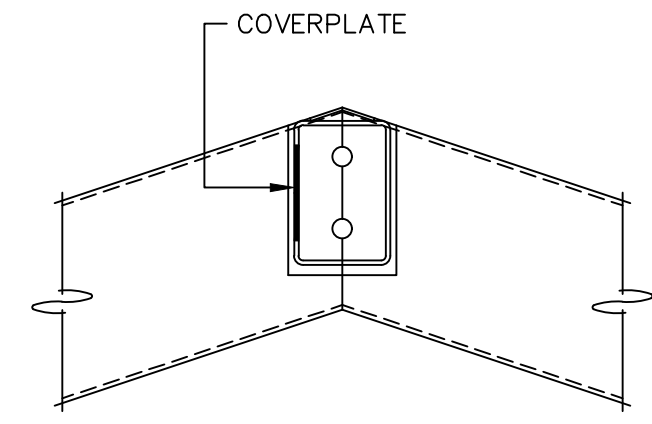
- A. Perform installation in accordance with applicable federal, State, and local building and safety codes.
- B. Structural special inspections, if required, are to be arranged and paid for by the Contractor or Owner.

- C. Install shelter in accordance with manufacturer's approved shop drawing and good construction practices.
- D. Install slab in accordance with shelter manufacturer's shop drawings. Slab perimeter dimensions determined by Owner.

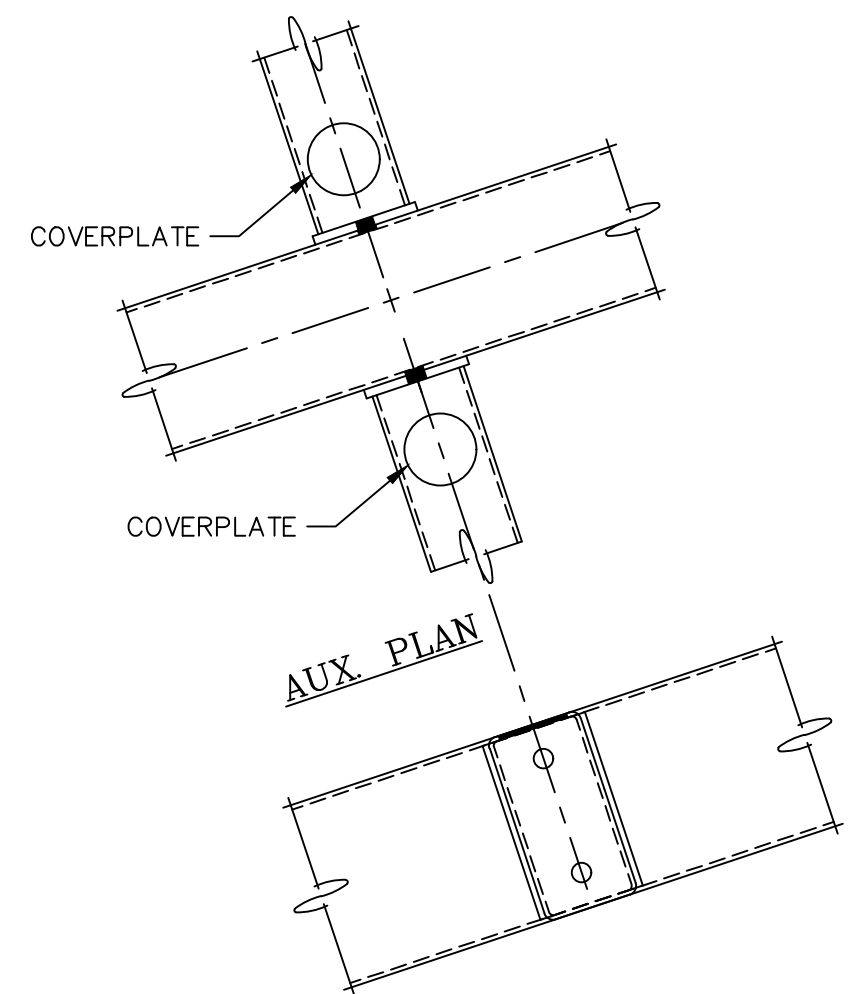
3.4 CLEANING AND PROTECTION

- A. Clean installed work to like-new condition.
- B. Protect installed products until completion of project.
- C. Touch-up, repair, or replace damaged finishes before Substantial Completion. Touch up paint provided by manufacturer.

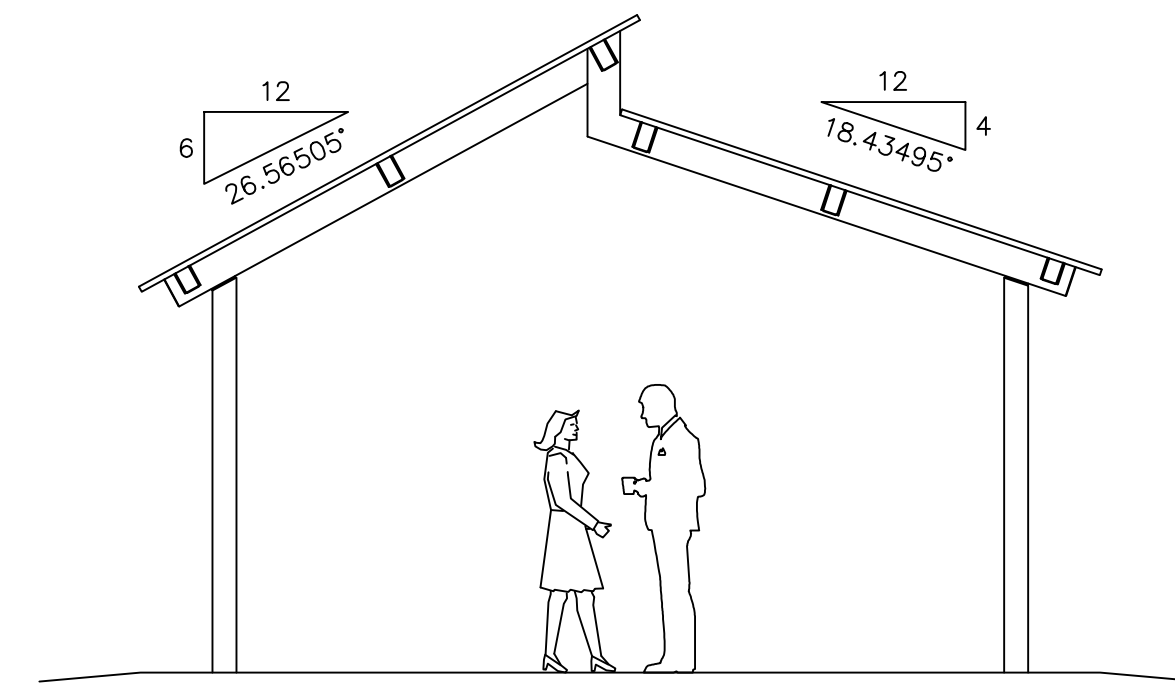
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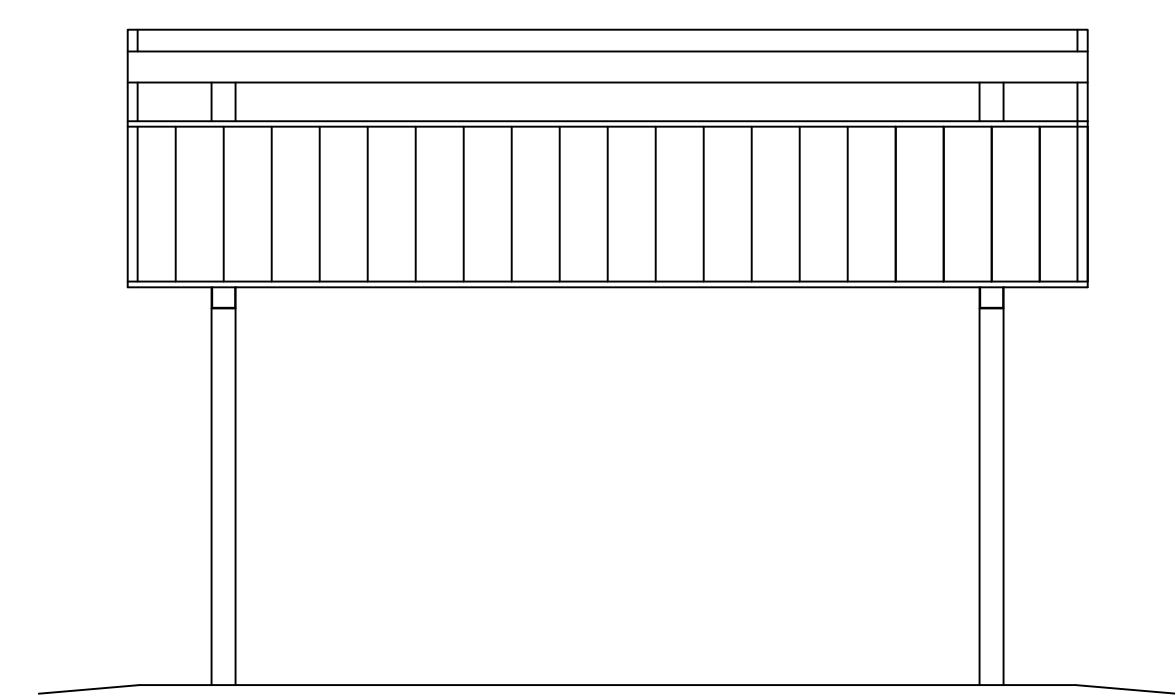
RIDGE PURLIN TO FRAME CONNECTION



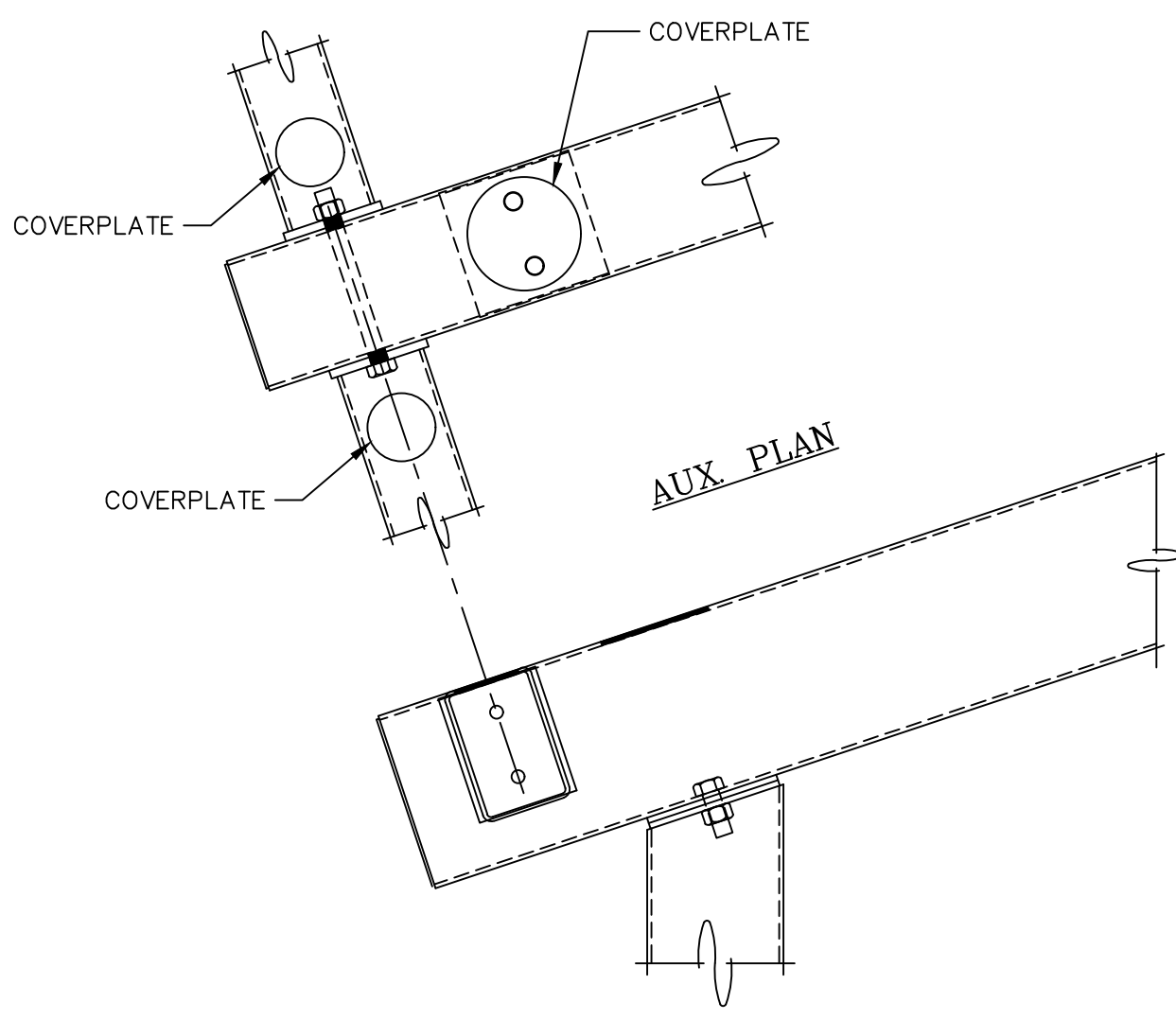
PURLIN TO FRAME CONNECTION



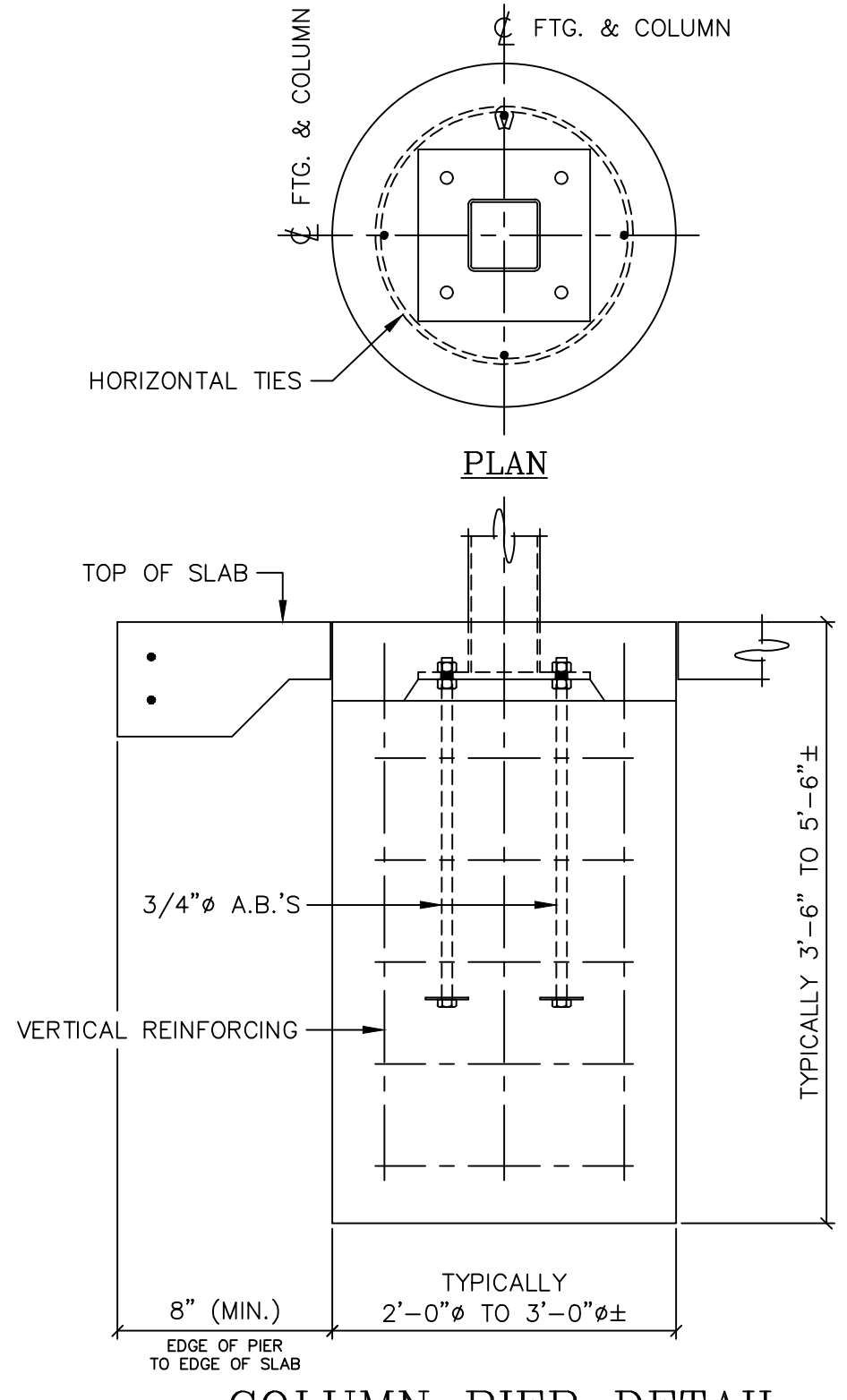
END ELEVATION



SIDE ELEVATION

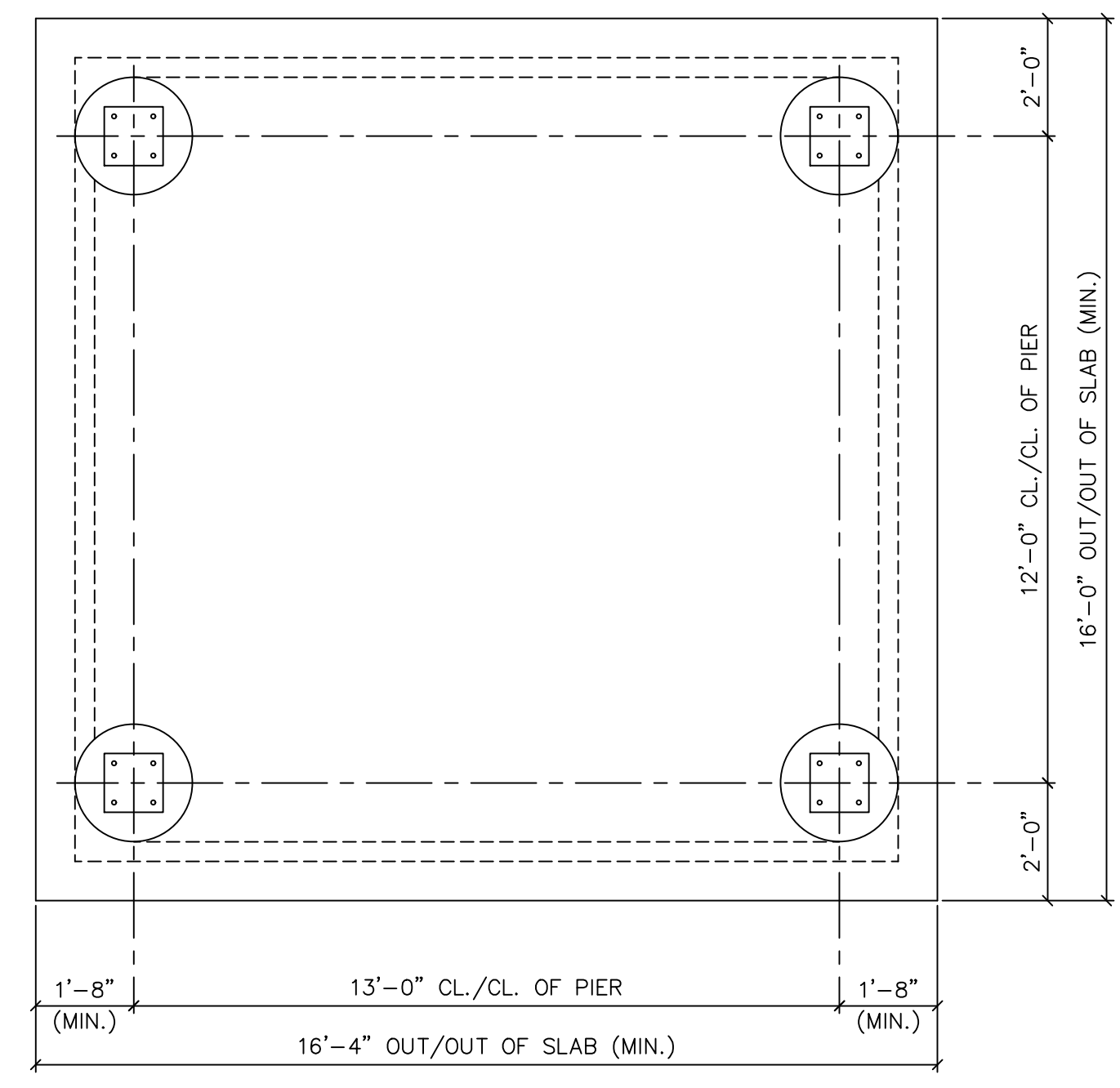


COLUMN TO FRAME CONNECTION

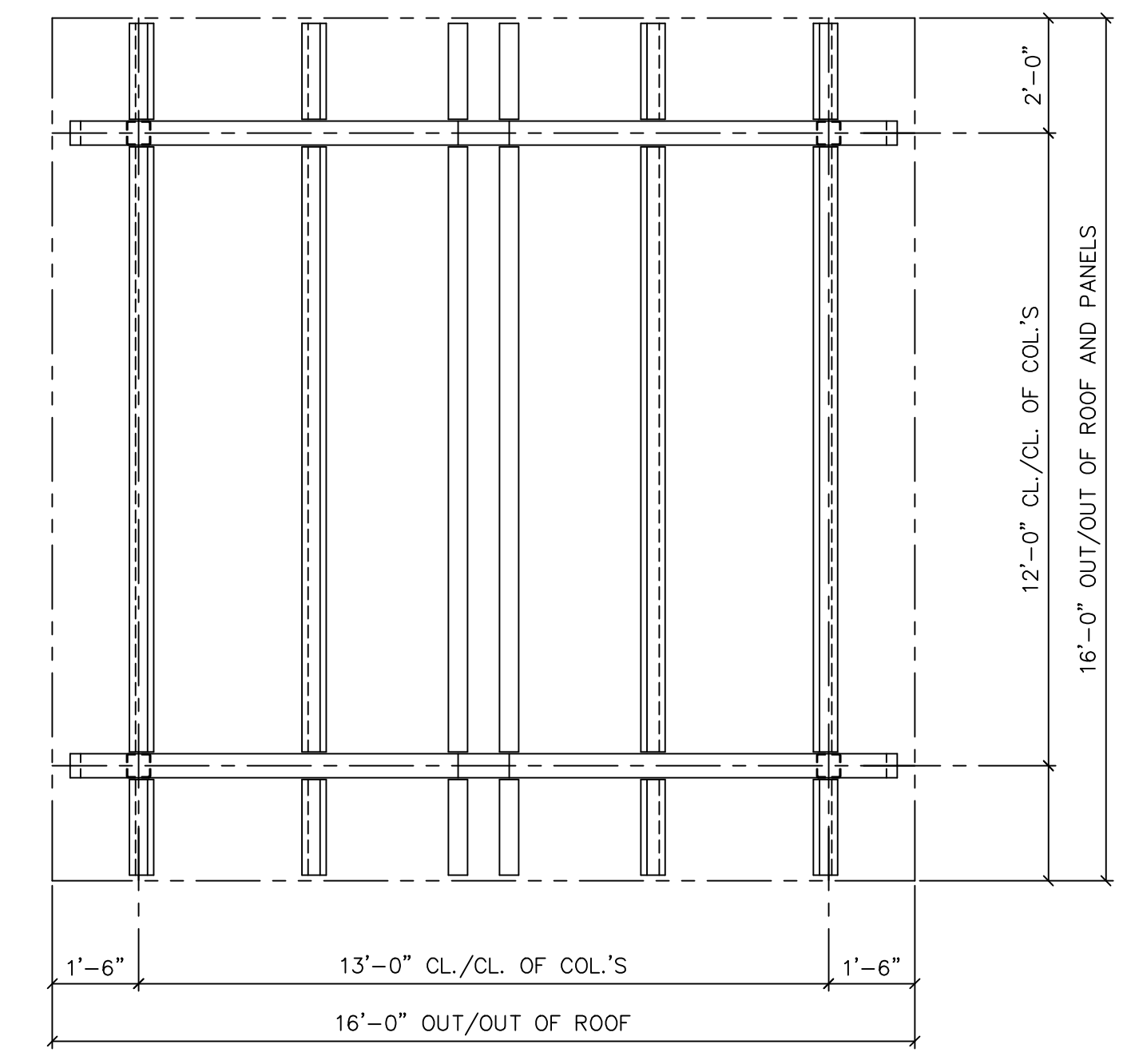


COLUMN PIER DETAIL

ACTUAL DESIGN WILL VARY DUE TO BUILDING CODE REQUIREMENTS AND MAY BE SUBSTANTIALLY LARGER

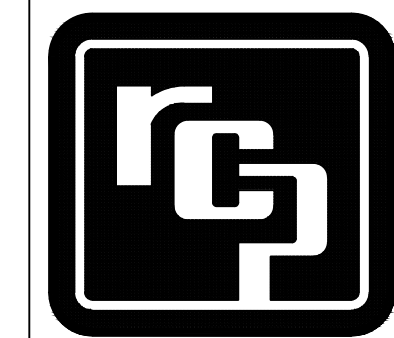


FOUNDATION PLAN



ROOF FRAMING PLAN

RCP SHELTERS, INC.
 2100 SE RAYS WAY STUART, FL 34994 PO BOX 25 STUART, FL 34995-0025
 ■ SHELTERS ■ PAVILIONS ■ CONCESSIONS ■ KIOSKS ■ FABRIC SHADE ■ RESTROOMS ■ BANDSHELLS ■ MINI-SHELTERS ■ DUGOUTS ■ FABRIC SAIL
 Phone 800-525-0207 Fax 772-288-0207
 www.rcpselters.com Email info@rcpselters.com



PROJ. NO.:
DRAWN:
CHK'D:
REV 1:
REV 2:
REV 3:
REV 4:
REV 5:
CAD NO.:
EEC JOB NO.:
SHEET NO.: