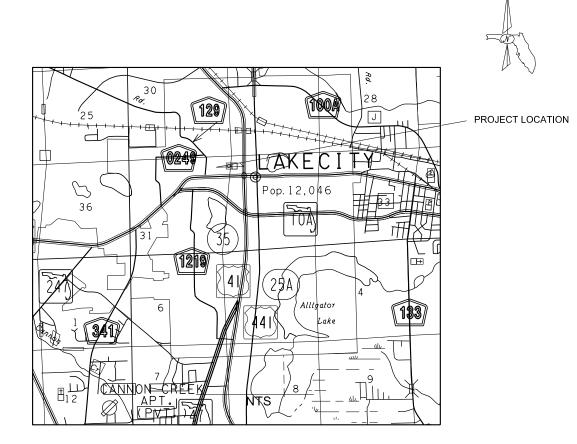
# MEMORIAL STADIUM REPAIRS

LAKE CITY, FLORIDA

MARCH, 2023



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- 1.

- Cover Sheet General & Repair Notes Stadium Plan Typical Frame Steel Repair Details 1 Steel Repair Details 2 Steel Repair Details 3 Concrete Reapir Details 2. 3. 4. 5. 6. 7. 8.

**For Bidding Purposes Only** 

MORALES CONSULTING ENGINEERS 3832-101 BAYMEADOWS RD. SUITE 132 JACKSONVILLE, FLORIDA 32217 CERT. OF AUTH. NO. 30712 EDUARDO J. MORALES JR., PE NO. 44068

MEMORIAL STADIUM REPAIRS			
	PROJECT #		
	SCALE	NTS	
	DATE	MARCH 2023	

<ul> <li>Priston (add)MS:</li> <li>DEAD Loads: Uni fallowing unit loads are used in culturaling dead loads: Structural steel - 490 cf</li> <li>Concrete:</li> <li>Concrete:</li> <li>In a concrete shall be in accordance with Section 346 of the FDDT Structural steel in accordance with Section 346 of the FDDT Structural steel in accordance with Section 346 of the FDDT Structural steel intervent of particular sequences of the contract along are thereided for information and estinating purpages of the relative particular sequences of the contract along are thereided for information and estinating are conditions required to perform the repair. Failure to field verify dimensions of with a do particular intervent of contract along are thereided for information and estinating purpages of the Pior to be purpage.</li> <li>Structural steel shall be affer to perform the estinating pagestery inclusing criticium positions and alignment of all structural steel in accordance with ASTM A709, Grae 50, unless difference is allong neural steel and structural steel shall be in accordance with the current application for Major Steel Proges CRR.</li> <li>Structural steel shall be in accordance with the current application for Major Steel Proges CRR.</li> <li>Weiting and all structural steel fails of Structural steel material and allong for the part affected structural steel in accordance with Section 30 of the EDDT Strudged of performation.</li> <li>Structural steel shall be performed in accordance with the array of analysis and operations shall be in accordance with the array of a structural steel shall be performed and the provide station of the project.</li> <li>Weiting area and applications of a page widing Code.</li> <li>Structural steel shall be in accordance with the array of the project and and areas of repair affected structural steel in accordance with Section 30 of the Section 30 of the EDDT Strudged Section.</li> <li>Structural steel shall be performed in accordance with the array of the projection shall de performed by the</li></ul>	REPAIR NOTES:
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<ul> <li>Concrete: Shall be in accordance with Section 346 of the FDOT Stendard Sectifications.</li> <li>Concrete Class Min. 28 Day Compressive Strength (xi) Location W Cr = 2.5 Faundation W Cr = 2.9 for top surfaces = 2% for top surfaces = 2% for top surfaces</li> <li>All controls feel Shall be ASTM A615, Grade 60.</li> <li>STRUCTURAL STEEL: All structures that be in accordance with ASTM A709, Grade 50, unless otherwise shown.</li> <li>STRUCTURAL STEEL: All structures the bishil be accordance with the current applicable edition of the ASTM A709, Grade 50, the ASTM A708 50.1 and AWS D1.5 Bridge Weiding Code.</li> <li>W FELING: W Heiding details and operations sholl be in accordance with the ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>W FELING: W Heiding details and operations sholl be in accordance with the ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>W FELING: W Heiding details and operations details accordance with the ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>W FELING: W Heiding details and operations details accordance with the ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>W FELING: W Heiding details and operations details accordance with the ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>W FELING: W Heiding details and operations details accordance with the ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>M Section ASTM Code accordance with the ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>M Section ASTM COMPACE ACCORDING COMPACE ACCORDING ASTM COMPACE ACCORDING ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>M Section ASTM COMPACE ASTM A709, Grade 50, and a conception as a conception by ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>M Section ASTM COMPACE ASTM A709, Grade 50, and a conception as a conception by ASTM CVMWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>M Section ASTM COMPACE ASTM A709, Grade 50, and a conceptio</li></ul>	. Instan 6 x6 x7 <sub>2</sub>
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Concrete Class       Min. 28 Day Compressive Strength (ksi)       Lacation       Foundation         IV       Te = 5.5       Foundation       Foundation         Concrete Cover: = 2° except top surfaces       = 2%' for top surfaces       foundation       foundation         = 2%' for top surfaces       = 2%' for top surfaces       foundation       foundation       foundation         StructUral Steel       All renforcing Steel       foundation       foundation       foundation         All renforcing Steel       All renforcing steel shall be ASTM A615. Grade 60.       foundation       foundation       foundation       foundation         S STRUCTURAL STEEL:       All structural steel shall be in accordance with ASTM A709, Grade 50, unless otherwise shown.       foundation	4. Install L3"x3"x3 op flange both si
Concrete Lover: = 2 <sup>m</sup> except top surfaces = 2 <sup>k</sup> / <sub>2</sub> for top surfaces =	5. Install L3"x3"x3
<ul> <li>= 2½" for top surfaces</li> <li>A. Reinforcing Steel: All reinforcing steel shall be ASTN A615, Grade 60.</li> <li>S. STRUCTURAL STEEL: All structural steel shall be in accordance with ASTM A709, Grade 50, unless utherwise shown.</li> <li>G. STEEL FARICATION: Fabrication shall be performed in accordance with the current applicable edition of the AASTM 70/AWS D1.5 Bridge Weiding Code. Fabrications of structural steel shall be in accordance with the current applicable edition of the AASTM 70/AWS D1.5 Bridge Weiding Code. Fabrications of structural steel shall be in accordance with the AASHT0/AWS D1.1 and AWS D1.5 Bridge Weiding Code. Weiding details and operations shall be performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>II and AWS D1.5 Bridge Weiding</li></ul>	top flange both
<ul> <li>A. Roinforcing Steel: All reinforcing steel shall be ASTM A615, Grade 50.</li> <li>S. STRUCTURAL STEEL: All reinforcing shall be in accordance with ASTM A709, Grade 50, unless otherwise shown.</li> <li>C. STEEL FABRICATION: Fabrication shall be performed in accordance with the current applicable edition of the AASTM 707/WS D1.5 Bridge Weiding Code. Fabrications of structural steel shall be in accordance with the AASHTD/AWS D1.1 and AWS D1.5 Bridge Weiding Code. Weiding details and operations shall be in accordance with the AASHTD/AWS D1.1 and AWS D1.5 Bridge Weiding Code.</li> <li>TW ECONNEL</li> <li>TW ECONNEL</li> <li>TW ECONNELS AND AWS D1.5 Bridge Weiding Code.</li> <li>TW STATUP AND STATUP STA</li></ul>	5. Install 6"x6"x½
<ul> <li>STRUCTURAL STEEL: All structural steel shall be in accordance with ASTM A709, Grade 50, unless otherwise shown.</li> <li>STEEL FABRICATION: Fabrication shall be performed in accordance with the current applicable edition of the AASHT0/AWS D1.5 Bridge Welding Code. Fabrications shall be in accordance with the current applicable addition of the AASHT0/AWS D1.5 Bridge Welding code. Welding details and operations shall be in accordance with the AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>WELDING: Welding details and operations shall be performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The project. Non-destructive Testing shall be performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The project according the performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The performed by the performed as required by AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>The performed by the performed by the</li></ul>	7. Remove and rep Cap Beam, star
<ul> <li>S. SINCLOWAL STELE:</li> <li>All structural steel shall be in accordance with ASTM A709, Grade 50, unless otherwise shown.</li> <li>S. STEL FABRICATION:</li> <li>Fabrication shall be performed in accordance with the current applicable edition of the AASHTO/AWS D1.5 Bridge Welding Code.</li> <li>Fabrications of structural steel shall be in accordance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>Method &amp; Structural steel shall be performed as required by AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with Secondance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with Secondance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with Secondance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with Secondance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with Secondance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with Secondance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with Secondance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.</li> <li>If accordance with ABS D1.5 Bridge Welding Code.</li> <li>If accordance WELS ABS D1.5 Bridge WELS ABS D1.5 Bridge WELS ABS D1.5 Bridge WELS ABS D1.5 Bridge WELS ABS D1.5 Brid</li></ul>	3. Install 5"x6"x½
Constraints Content of the AASHTO/AWS D1.5 Bridge Welding Code. Fabricators of structural steel shall have the AISC Quality Certification for Major Steel Bridges (CBR).  7. WELDING: Welding details and operations shall be in accordance with the AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code. Welding procedures shall be submitted and approved prior to welding on the project. Non-destructive Testing shall be prior med as required by AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.  1  1  1  1  1  1  1  1  1  1  1  1  1	9. Install 5"x6"x½
applicable edition of the AASHT0/AWS D1.5 Bridge Welding Code.       1         Fabricators of structural steel shall have the AISC Quality       1         Certification for Major Steel Bridges (CBR).       1         WELDING:       1         Welding details and operations shall be in accordance with the       1         AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.       1         procedures shall be submitted and approved prior to welding on the       1         project. Non-destructive Testing shall be performed as required by       1         AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.       1         I       1         AASHT0/AWS D1.1 and AWS D1.5 Bridge Welding Code.       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1         I       1	10. Install 6"x6"x1
Welding details and operations shall be in accordance with the       AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.       I         AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.       I         AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.       I         I       I         AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code.       I         I       I	11. Install 6"x6"x1 and a 4"x6" Fl to match exist
procedures shall be submitted and approved prior to welding on the project. Non-destructive Testing shall be performed as required by AASHTO/AWS D1.1 and AWS D1.5 Bridge Welding Code. 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12. Install L3"x3"× top flange.
1 1 1 1 1 2	13. Install 4"x6"x1
1 1 1 2	14. Install 5"x6"x1 a 4"x6" Flang
1 1 1 2	15. Install 6"x6"x1;
1 1 2	16. Install 6"x6"x1;
1 2	17. Install 6"x6"x1;
2	18. Widen Foundau to the foundat
	19. Install 6"x6"x <sup>1</sup> ,
F	20. Replace Existi
	For Repair Detail
REVISIONS	SHEET TITLE:
DESCRIPTION     DATE     BY     DESCRIPTION     OUR MORALES CONSULTING ENGINEERS, INC.     OUR BIBLICATION       For Bidding     Image: State	

 $\mathbb{N}$ 

3832-010 BAYMEADOWS RD. SUITE 132 JACKSONVILLE, FL 32217 (904) 434-4366 CERT. OF AUTH. NO. 30712

DESIGNED BY EJM Jr.

CHECKED BY

CONTRACT

**For Bidding** 

**Purposes Only** 

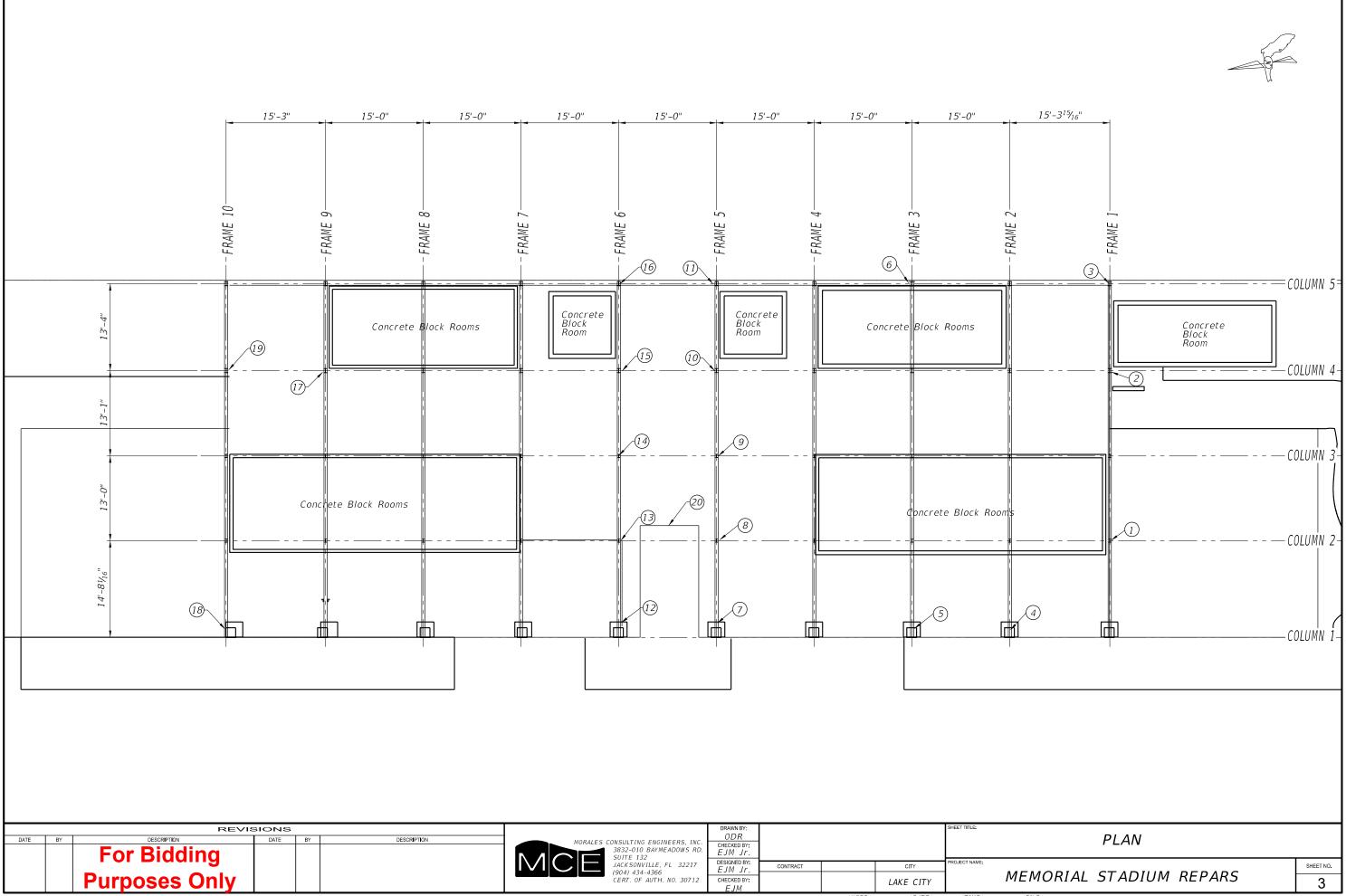
	LAKE CITY	
\$USER\$	\$DATE\$	\$TIME

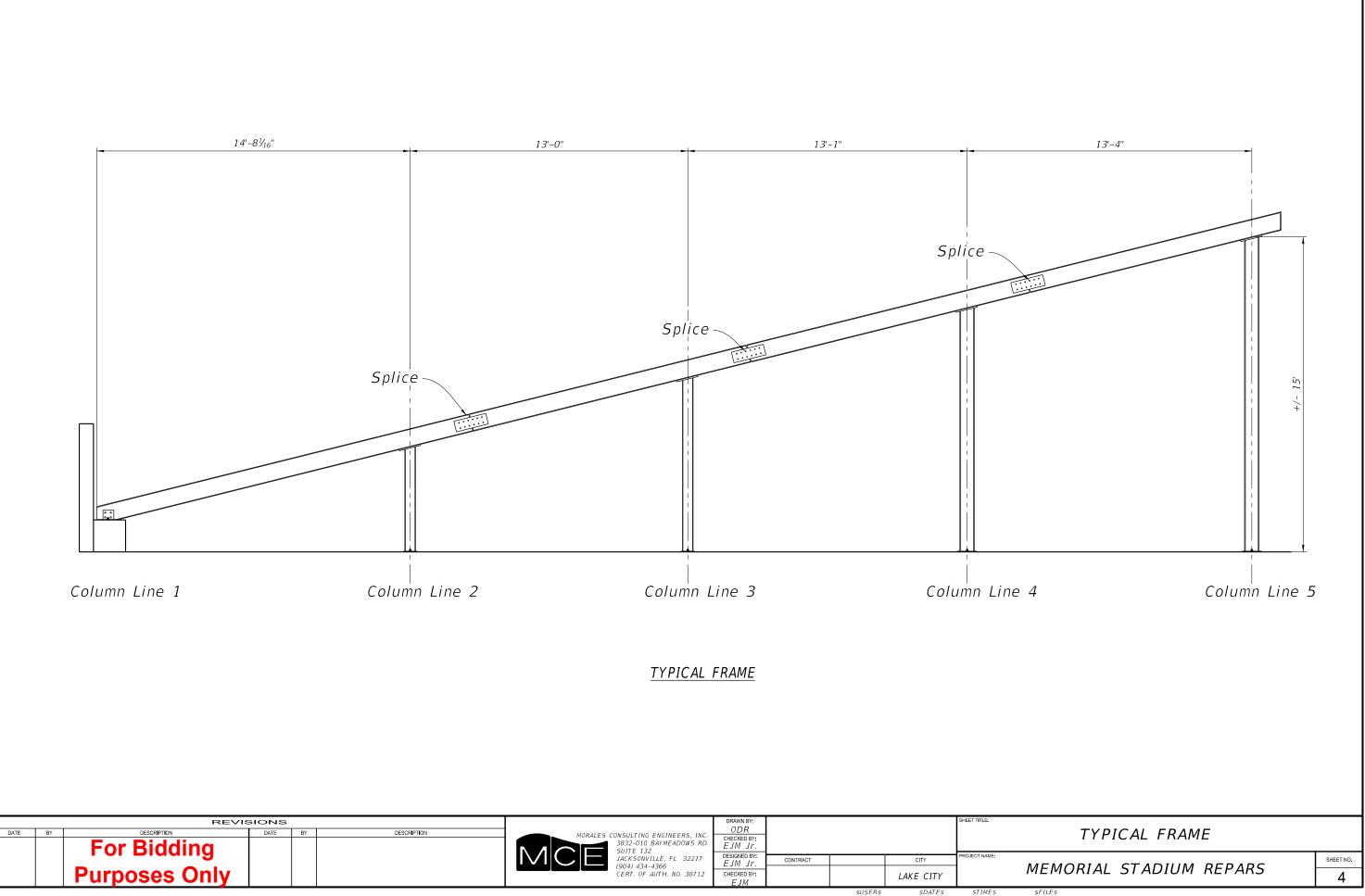
CITY

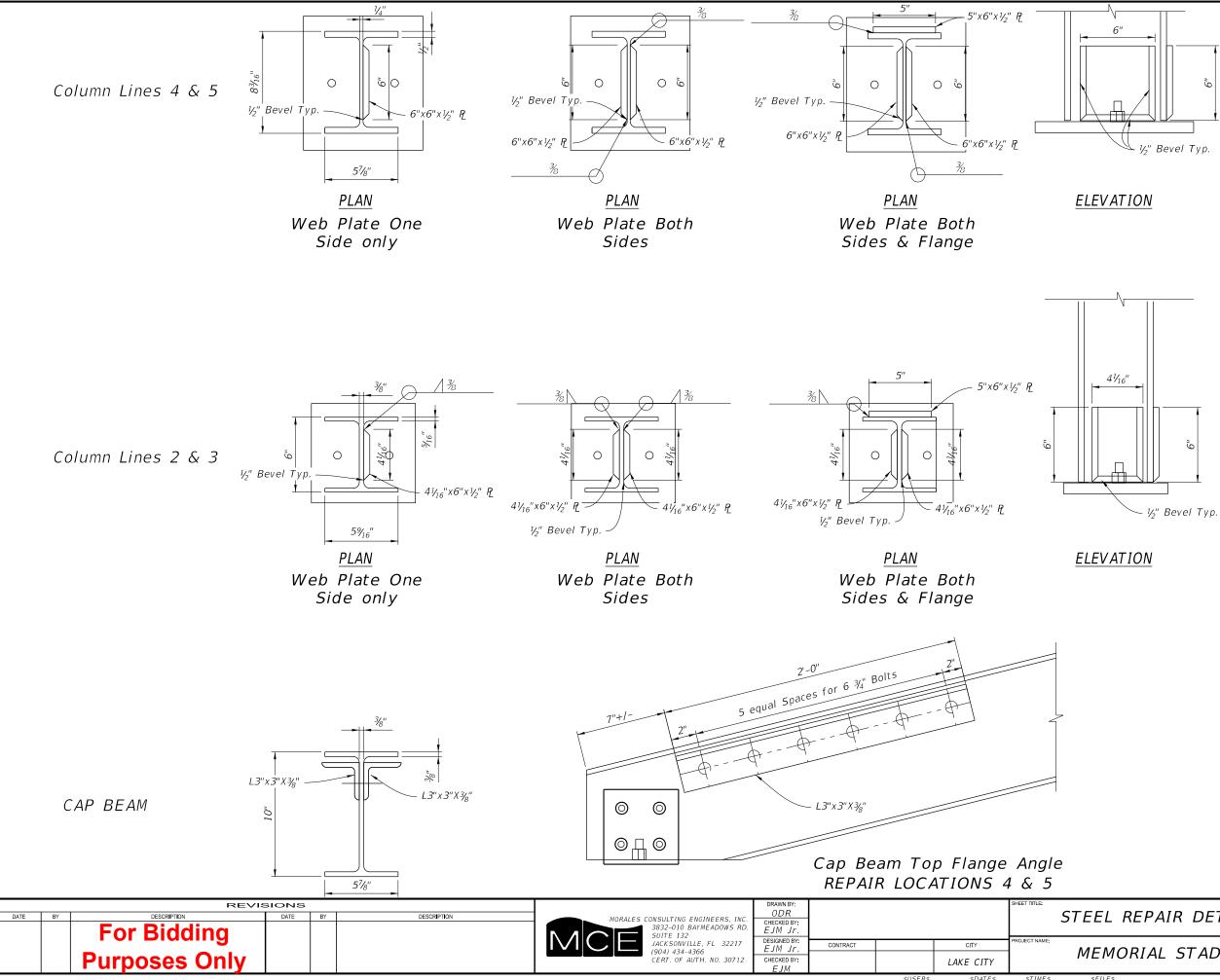
- isting abandoned plumbing piles. Install 4"x2"x½" Plate flange.
- on one side of the Web.
- on both sides of the Web.
- 3/8" 24" long under deteoriated ides.
- 3/8" 24" long under deteoriated sides.
- ' on both sides of the Web.
- place in kind a 1'-0" section of rting at the end of the beam.
- ' on both sides of the Web.
- ' on both sides of the Web.
- 1/2" on both sides of the Web.
- $1_{2}^{\prime\prime\prime\prime}$  on both sides of the Web lange plate on East side of beam ting flange plate on West side.
- x<sup>3</sup>/<sub>8</sub>" 18" long under deteoriated
- $\gamma_2''$  on North Flange.
- $\frac{1}{2}$  on both sides of the Web and ge plate on both Flanges.
- $V_2$ " on both sides of the Web.
- 1/2" on both sides of the Web.
- $1_{2}^{\prime\prime\prime\prime}$  on one side of the Web.
- tion Column 8" and connect Beam tion.
- $V_2$ " on both sides of the Web.
- ing Angle with Bent Plate.
- Is see Repair Details Sheet

#### GENERAL NOTES

#### MEMORIAL STADIUM REPARS

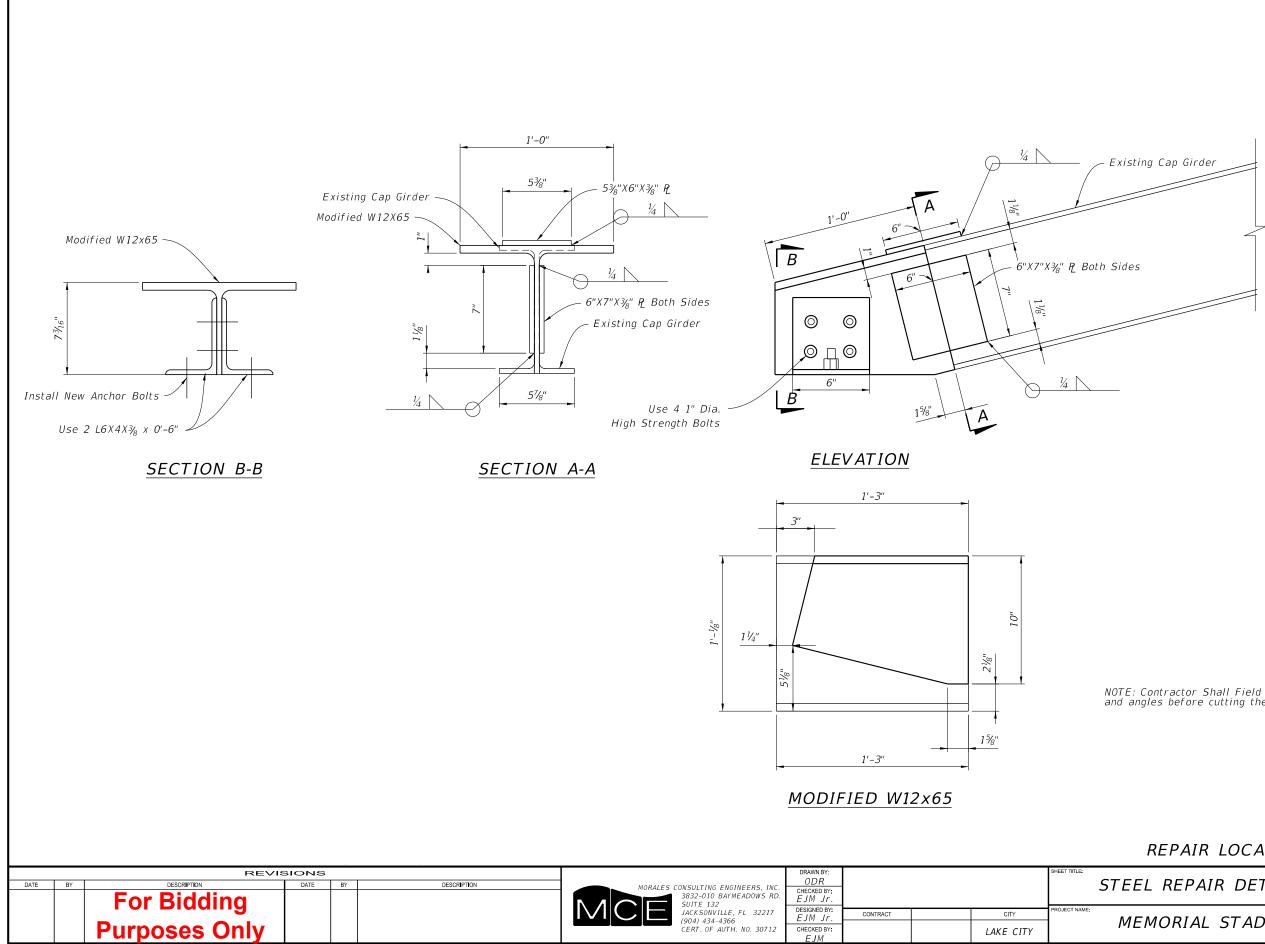






### STEEL REPAIR DETAILS SHEET 1

MEMORIAL STADIUM REPARS



NOTE: Contractor Shall Field verify all Dimensions and angles before cutting the W12x65.

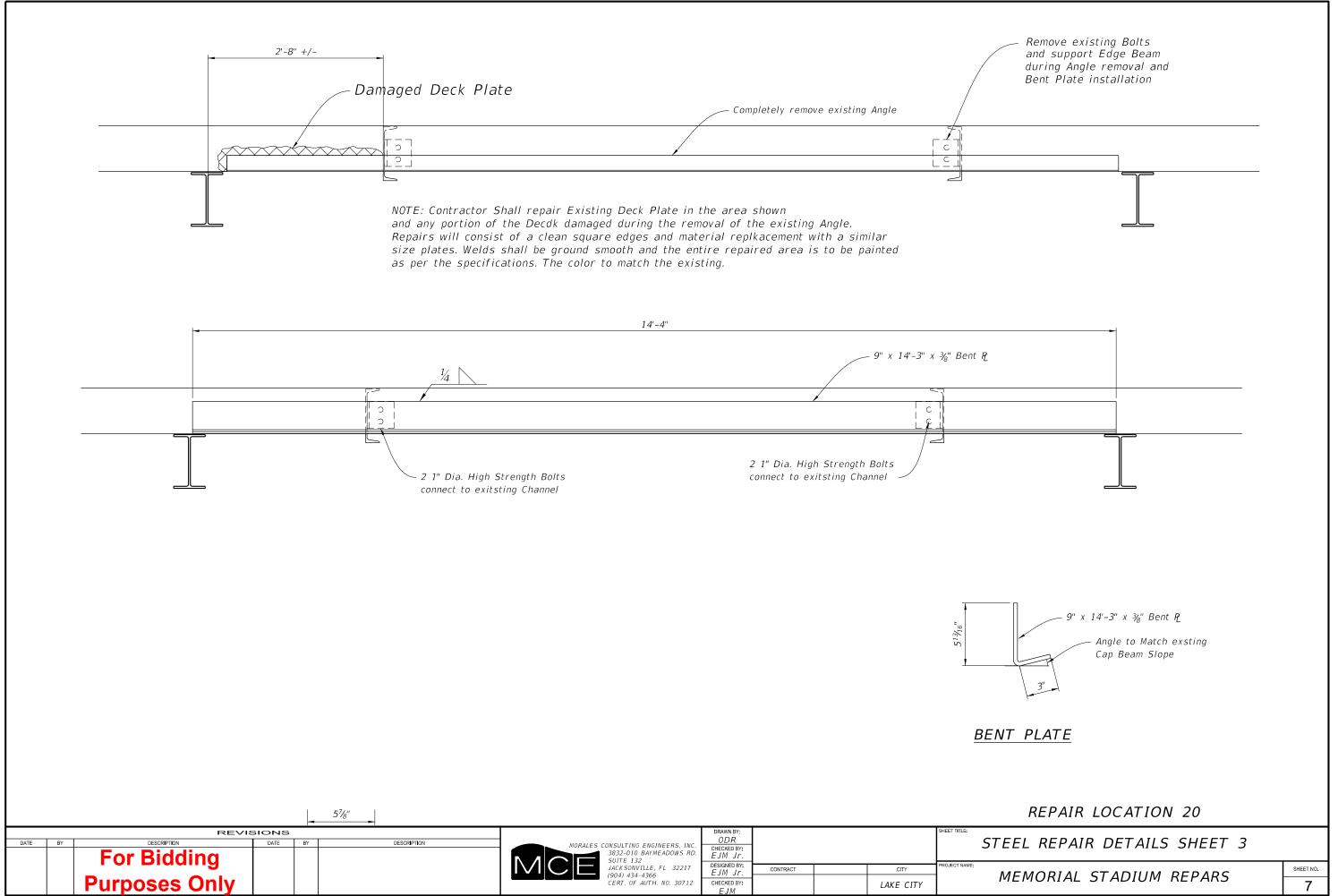
## REPAIR LOCATION 7

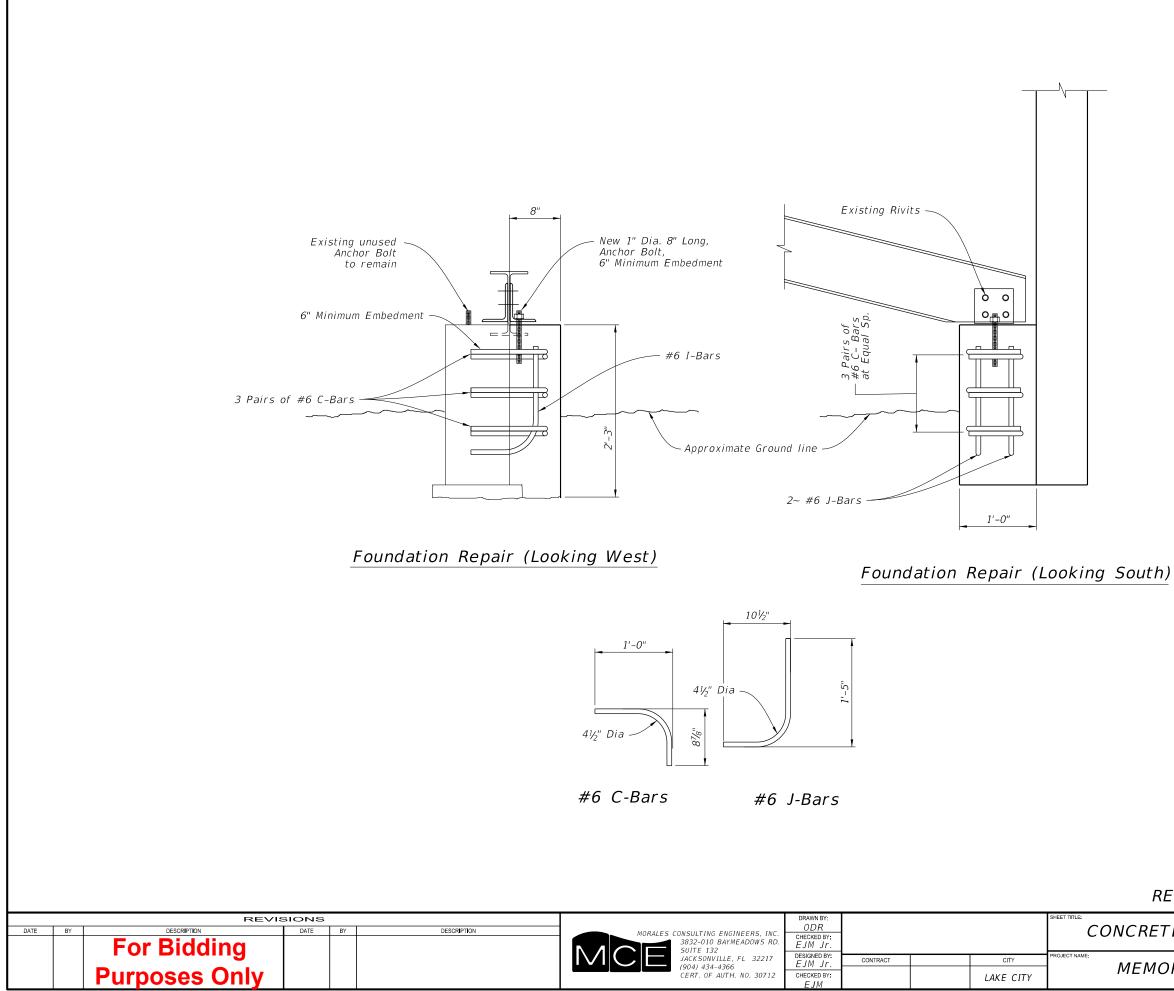
#### STEEL REPAIR DETAILS SHEET 2

MEMORIAL STADIUM REPARS

SHEET NO.

6





REPAIR LOCATION 18		
ICRETE REPAIR DETAILS SHEET		
MEMORIAL STADIUM REPARS		
MEMORIAL STADIOM REPARS		