SCOPE OF WORK
NEW AMPHITHEATRE CONSTRUCTION AT 1801 DES MOINES ST, WEBSTER CITY, IA

A. GENERAL NOTES
1. GENERAL CONTRACTOR AND SUB-CONTRACTORS SHALL INSPECT THE SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING FIELD CONDITIONS. ANY DISCREPANCIES BETWEEN THE ENGINEER’S DRAWINGS AND THE ACTUAL FIELD CONDITIONS MUST BE REPORTED TO THE ENGINEER PRIOR TO SUBMISSION OF BID OR COMMENCEMENT OF WORK.
2. ALL WORK SPECIFIED IN THE DRAWINGS SHALL BE COMPLETED IN COMPLIANCE WITH ALL GOVERNING STATE AND LOCAL CODES AND ORDINANCES. CONTRACTORS SHALL REVIEW THE CONTRACT REQUIREMENTS AND ACQUIRE ALL NECESSARY PERMITS FOR THEIR CONTRACT.
3. WORK NOT IN COMPLIANCE WITH APPLICABLE CODES AND REGULATIONS SHALL BE REJECTED BY THE ENGINEER, AND THE CONTRACTOR SHALL BE RESPONSIBLE TO CORRECT AND UPGRADE HIS WORK AS REQUIRED.
4. ANY CHANGES OR SUBSTITUTIONS OF MATERIALS AND EQUIPMENT MUST ALSO BE REPORTED TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE CONSTRUCTION BEGINS.
5. ALL CONTRACTORS AND SUB-CONTRACTORS MUST FOLLOW ALL APPLICABLE SAFETY (OSHA) REQUIREMENTS. CONTRACTOR AND SUB-CONTRACTORS SHALL BE RESPONSIBLE TO CARRY SUFFICIENT INSURANCE FOR THE DURATION OF THE PROJECT.
6. CLEAN UP ALL DEBRIS AND BROOM SWEEP SITE DAILY TO ASSURE A NEAT APPEARANCE.
7. GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY BARRICADES AS PER LOCAL AUTHORITY REQUIREMENTS FOR PUBLIC SAFETY.
8. GENERAL CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR AND INSTALL THE SAME, ACCORDING TO STANDARD CONSTRUCTION METHODS AND/OR MANUFACTURER’S RECOMMENDATIONS, UNLESS OTHERWISE NOTED ON DRAWINGS.
9. PROVIDE ALL REQUIRED CUTTING AND REMOVAL OF EXISTING MATERIALS IN A NEAT AND WORKMANLIKE MANNER.
10. ALL MATERIALS USED ON THIS PROJECT SHALL BE NEW AND OF THE BEST QUALITY.
11. THE CONTRACTOR SHALL FURNISH ALL NECESSARY SHORING, BRACING AND SUPPORTS AS NEEDED DURING THE EXECUTION OF THE WORK.
12. ALL DIMENSIONS SHOWN ON THE DRAWINGS MUST BE FIELD VERIFIED BY THE GENERAL CONTRACTOR. ANY DISCREPANCIES FROM THE DIMENSIONS SHOWN MUST BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH WORK.

B. FOUNDATION, EXCAVATION AND BACKFILL
1. THE DESIGN SOIL PRESSURE AT THE BOTTOM OF THE FOOTINGS IN THE SILTY CLAY LAYER UNDERLYING THE FILL MATERIAL IS ASSUMED TO BE 1500 P.S.F. CONTRACTOR TO VERIFY.
2. REMOVE ALL MISCELLANEOUS OR ANY OTHER UNSUITABLE BEARING MATERIAL BELOW THE BOTTOM OF WALL FOOTINGS TO THE SILTY CLAY LAYER.
3. EXCAVATED AREAS ARE TO BE KEPT DRY UNTIL ALL UNDERGROUND CONSTRUCTION IS COMPLETED.
4. BACKFILL BOTH SIDES OF THE FOUNDATION WALLS SYMMETRICALLY.

C. CONCRETE AND REINFORCING
1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE BUILDING CODE LATEST EDITION.
2. ALL REINFORCING DETAILS SHALL BE DETAILED ACCORDING TO THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 315-74).
3. ALL CONCRETE SHALL BE NORMAL WEIGHT CONCRETE, UNLESS OTHERWISE NOTED, AND SHALL HAVE A COMPRESSIVE DESIGN STRENGTH AT 28 DAYS OF FC 4000 P.S.I OR AS SHOWN ON PLANS.
GENERAL Notes
All lumber and fascia to be pressure treated and all other applicable local, state and national codes, including applicable fire codes, must be followed. In the event of any conflicts or ambiguities to the engineer immediately so that a speedy resolution can be determined.
1. The General Contractor and his Sub-Contractors are responsible for protecting and securing the site at all times, work in progress is to be properly managed and protected from physical and weather damage.
2. The General Contractor is to ensure that fire extinguishers or on site at all times, the responsibility of the General Contractor and the Sub-Contractors is maintaining fire extinguisher's and their location. All temporary enclosures, temporary heating, lighting, access to the site, and portable toilet facilities are to be provided by the contractor.
3. Pile driving is not permitted for securing temporary fencing, barricades, warning lights and signs, except for the purpose of keeping equipment, work being performed.
4. The contractor is responsible for coordinating and notifying the owner immediately so that a resolution can be determined.
5. The General Contractor and his Sub-Contractors are responsible for maintaining adequate protection as required by the appropriate codes, specifications, and manufacturer's recommendations and fully comply with said requirements.
6. Site enclosure fencing, barricades, warning lights and signs, pest control and snow and ice removal.
7. The General Contractor is responsible for construction activities including:
   a. Siting
   b. Grading
   c. Altering, exemplifying, pumping, All temporary enclosures, temporary heating, lighting, access to the site, and portable toilet facilities
   d. Waste disposal
   e. Any other activity necessary for ensuring that excavation and setbacks are not disturbed.
7. It shall be the responsibility of the General Contractor and the Sub-Contractors in providing materials and installing same for:
   a. Preventing the dimensional requirements of all applicable codes and standards, as well as manufacturer's recommendations and specifications are fully complied with said requirements.
   b. Verify the rough opening dimensions shown on the drawings with manufacturer's data and requirements.
   c. Verify finished field dimensions prior to ordering and installing materials and equipment.
8. The General Contractor is responsible for daily cleanup.
9. It shall be the responsibility of the General Contractor and the Sub-Contractors in completing work in progress by the owner may hire separately such as communications, security and landscaping.
10. Any hazardous materials are to be handled and disposed of in accordance with the Illinois Environmental Protection Agency (IEPA) regulations and requirements.
11. A copy of the approved plans are to remain on the job site at all times.
12. If a working bathroom is not available on site, the contractor is to provide a portable bathroom facility.
13. Prior to commencing any excavation, call 811 (800-444-5000) 800-892-0123). The building owner, clients, and the architect, shall be named as "additional insured's" on the contractor's comprehensive general liability policy. A certificate of insurance must be submitted to the architect and owners prior to beginning any work.

INSURANCE REQUIREMENTS
A. LIABILITY INSURANCE shall include all major divisions of coverage and be on a comprehensive basis including:
   a. Premises Operations (including X-C/U as applicable).
   b. Independent Contractor's Protective.
   c. Products and Completed Operations.
   d. Personal Injury Liability (with employment exclusion deleted).
   e. Contractor.
   f. Owned, Non-owned and hired motor vehicles.
   g. Broad form property damage including completed operations.
   h. The insurance shall be written for not less than the following:
      a. General coverage (including broad form property damage):
         Combined Bodily $1,000,000 each occurrence and property $1,000,000 aggregate injury damage
      b. The building owner, clients, and the architect shall be named as "additional insured's" on the contractor's comprehensive general liability policy. If the "additional insured's" have other insurance which is applicable to the loss, it shall be on an excess or contingent basis. The amount of the company's liability under this policy shall not be reduced by the existence of such other insurance. A certificate of insurance must be submitted to the architect and owners prior to beginning any work.
B. Employer's Liability $1,000,000 (Coverage B)
C. Comprehensive General Liability
   a. General coverage (including broad form property damage)
   b. Comprehensive bodily injury and property damage
   c. The building owner, client and the architect shall be named as "additional insured's" on the contractor's comprehensive general liability policy. If the "additional insured's" have other insurance which is applicable to the loss, it shall be on an excess or contingent basis. The amount of the company's liability under this policy shall not be reduced by the existence of such other insurance. A certificate of insurance must be submitted to the architect and owners prior to beginning any work.
<table>
<thead>
<tr>
<th>Type</th>
<th>Material</th>
<th>Unit Weight (lbs/ft³)</th>
<th>Volume (CF)</th>
<th>Weight (Tf)</th>
<th>Width (&quot;')</th>
<th>Area (SF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>BW1</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>148.17</td>
<td>10.10</td>
<td>1' - 2&quot;</td>
<td>127</td>
</tr>
<tr>
<td>BW1</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>840.00</td>
<td>57.26</td>
<td>1' - 2&quot;</td>
<td>720</td>
</tr>
<tr>
<td>BW1</td>
<td>Concrete, Cast-in-Place gray</td>
<td>0.00</td>
<td>131.83</td>
<td>8.99</td>
<td>1' - 2&quot;</td>
<td>113</td>
</tr>
<tr>
<td>BW1</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>463.31</td>
<td>31.58</td>
<td>1' - 2&quot;</td>
<td>397</td>
</tr>
<tr>
<td>BW2</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>83.34</td>
<td>5.68</td>
<td>1' - 2&quot;</td>
<td>71</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>224.81</td>
<td>15.32</td>
<td>0' - 10&quot;</td>
<td>271</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>349.86</td>
<td>23.85</td>
<td>0' - 10&quot;</td>
<td>420</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>220.80</td>
<td>15.05</td>
<td>0' - 10&quot;</td>
<td>266</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>419.91</td>
<td>28.62</td>
<td>0' - 10&quot;</td>
<td>504</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>66.12</td>
<td>4.51</td>
<td>0' - 10&quot;</td>
<td>80</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>150.33</td>
<td>10.25</td>
<td>0' - 10&quot;</td>
<td>181</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>99.12</td>
<td>6.76</td>
<td>0' - 10&quot;</td>
<td>119</td>
</tr>
<tr>
<td>Exterior - 10&quot;</td>
<td>Concrete, Cast-in-Place gray</td>
<td>150.28</td>
<td>9.48</td>
<td>0.65</td>
<td>0' - 10&quot;</td>
<td>11</td>
</tr>
</tbody>
</table>
STRUCTURAL COLUMN SCHEDULE

<table>
<thead>
<tr>
<th>Type Length</th>
<th>Weight</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>14x14</td>
<td>49' - 6&quot;</td>
<td>7</td>
</tr>
<tr>
<td>14x14</td>
<td>37' - 1&quot;</td>
<td>2</td>
</tr>
</tbody>
</table>

STRUCTURAL COLUMN MATERIAL TAKEOFF

<table>
<thead>
<tr>
<th>Type Material</th>
<th>Unit weight</th>
<th>Volume</th>
<th>Weight</th>
<th>Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>14x14 Softwood, Lumber</td>
<td>34.90 lb/ft³</td>
<td>5.06 CF</td>
<td>0.08 Tf</td>
<td>4' - 0&quot;</td>
</tr>
<tr>
<td>14x14 Softwood, Lumber</td>
<td>34.90 lb/ft³</td>
<td>46.93 CF</td>
<td>0.74 Tf</td>
<td>37' - 1&quot;</td>
</tr>
</tbody>
</table>

WALL MATERIAL TAKEOFF

<table>
<thead>
<tr>
<th>Type Material</th>
<th>Unit weight</th>
<th>Volume</th>
<th>Weight</th>
<th>Width</th>
<th>Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>BW1 Concrete, Cast-in-Place gray</td>
<td>150.28 lb/ft³</td>
<td>148.17 CF</td>
<td>10.10 Tf</td>
<td>1' - 2&quot;</td>
<td>127 SF</td>
</tr>
<tr>
<td>BW1 Concrete, Cast-in-Place gray</td>
<td>150.28 lb/ft³</td>
<td>148.17 CF</td>
<td>10.10 Tf</td>
<td>1' - 2&quot;</td>
<td>127 SF</td>
</tr>
<tr>
<td>BW1 Concrete, Cast-in-Place gray</td>
<td>0.00 lb/ft³</td>
<td>148.17 CF</td>
<td>0.00 Tf</td>
<td>1' - 2&quot;</td>
<td>127 SF</td>
</tr>
<tr>
<td>BW1 Concrete, Cast-in-Place gray</td>
<td>150.28 lb/ft³</td>
<td>840.00 CF</td>
<td>57.26 Tf</td>
<td>1' - 2&quot;</td>
<td>720 SF</td>
</tr>
<tr>
<td>BW2 Concrete, Cast-in-Place gray</td>
<td>150.28 lb/ft³</td>
<td>83.34 CF</td>
<td>5.68 Tf</td>
<td>1' - 2&quot;</td>
<td>71 SF</td>
</tr>
<tr>
<td>Exterior - 10&quot; Concrete</td>
<td>150.28 lb/ft³</td>
<td>224.81 CF</td>
<td>15.32 Tf</td>
<td>0' - 10&quot;</td>
<td>271 SF</td>
</tr>
<tr>
<td>Exterior - 10&quot; Concrete</td>
<td>150.28 lb/ft³</td>
<td>349.86 CF</td>
<td>23.85 Tf</td>
<td>0' - 10&quot;</td>
<td>420 SF</td>
</tr>
<tr>
<td>Exterior - 10&quot; Concrete</td>
<td>150.28 lb/ft³</td>
<td>220.80 CF</td>
<td>15.05 Tf</td>
<td>0' - 10&quot;</td>
<td>266 SF</td>
</tr>
<tr>
<td>Exterior - 10&quot; Concrete</td>
<td>150.28 lb/ft³</td>
<td>419.91 CF</td>
<td>28.62 Tf</td>
<td>0' - 10&quot;</td>
<td>504 SF</td>
</tr>
</tbody>
</table>

FLOOR MATERIAL TAKEOFF

<table>
<thead>
<tr>
<th>Type Material</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.75&quot; Concrete</td>
<td>10.61 CF</td>
</tr>
<tr>
<td>4&quot; Concrete, Cast-in-Place gray</td>
<td>1271.99 CF</td>
</tr>
</tbody>
</table>

WEBSTER CITY AMPHITHEATER
1801 DES MOINES ST, WEBSTER CITY, IA
S4 GROUND FRAMING PLAN

PS 05/03/2019
PROJECT: SHEET NO.
DRAWN BY:
EMAIL: nicholaslemkau@uiowa.edu
FAX: 319.335.5660
PHONE: 319.335.5647
DATE :
REVISION:

IOWA CITY, IOWA 52242
103 S CAPITOL ST
4105 SEAMANS CENTER FOR THE KLS ENGINEERING ARTS AND SCIENCES
WEBSTER CITY AMPHITHEATER

1 1/2" = 1'-0"

1. BEARING WALL FOOTING DETAIL
2. SIDE OF BEARING WALL DETAIL
3. TOP OF BEARING WALL DETAIL
4. SEATING DETAIL
5. SLAB DETAIL

No 4 REBAR @ 12" O.C
No 5 REBAR @ 6" O.C
No 4 REBAR @ 9" O.C

No 5 REBAR @ 18"
No 3. REBAR @ 12" O.C.

WELDED WIRE FABRIC
4X4-W2.9X2.9

GROUND
0'-0"
1 1/2" = 1'-0"1 COLUMN TO BEARING WALL (CBQGT66-SDS2)
1 1/2" = 1'-0"2 COLUMN TO FOOTING (CB1414)
1 1/2" = 1'-0"3 G1 TO COLUMNS (HGUS 5.25/10)
1 1/2" = 1'-0"4 G1 TO G2 (HGUS 5.25/10)
1 1/2" = 1'-0"5 G2 TO FRONT COLUMNS (ECCQ985SDS2.5)
1 1/2" = 1'-0"6 G3 TO BACK COLUMNS (LUS28)
3/8" = 1'-0"8 RAMP AND RAILING DETAIL
3' - 0" GROUND 0'-0"
5' - 0" 21'-0"
1' - 0" O.C