LHS Baseball & Softball Upgrades
Liberty Public Schools 53
200 Blue Jay Drive
Liberty, MO 64068
CONSTRUCTION DOCUMENT SET

INDEX OF DRAWINGS

SCOPE OF WORK - SUMMARY

The scope of this project is to convert existing baseball, softball, and multipurpose playing fields from natural grass to synthetic turf. The multipurpose field will be converted at the beginning of the project to ensure the structure shall be supported and be completed as a whole. The other fields will be constructed in phases to avoid conflicts.

VICINITY MAP

DESIGN TEAM

ARCHITECT:
Hollis + Miller Architects
1839 Walnut Street Suite 922
Kansas City, MO 64106
PHONE: 816.442.7700

CONSTRUCTION MANAGER:
Smith & Boucher
11200 W 79th Street
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CONTACT: Brandon Stanley
PHONE: 913.312.9535

CIVIL ENGINEER:
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11827 W 112th St, Ste 200
Overland Park, KS 66210
CONTACT: Braden Taylor
PHONE: 816.442.7700

MECH/ELECT ENGINEER:
Newkirk Novak
1828 Walnut Street Ste 922
Lenexa, KS 66214
CONTACT: Grant Thome
PHONE: 913.312.9535

CONSTRUCTION MANAGER:
Hollis + Miller Architects
11200 W 79th Street
Overland Park, KS 66210

MECH/ELECT ENGINEER:
Smith & Boucher
1828 Walnut Street Ste 922
Lenexa, KS 66214

ALTERNATES

1) (23023.00 LHS) - ADD COVERED SCORER'S BOX AT SOUTH END OF HOME DUGOUT
2) (23047.00 LNHS) - RETROFIT SCORER'S BOX INTO VISITING BASEBALL AND SOFTBALL DUGOUT
3) (23047.00 LNHS) - CONVERT MULTI-PURPOSE FIELD'S INFIELD TO SYNTHETIC TURF AND INSTALL BACKSTOP NETTING AND ASSOCIATED FOOTINGS
4) (23047.00 LNHS) - ADD CHAMPIONWALL AND ASSOCIATED FOOTINGS AT BASEBALL FIELD IN LIEU OF 8'-0" BLACK PVC FENCE
5) (23023.00 LHS) - CONVERT MULTI-PURPOSE FIELD'S INFIELD TO SYNTHETIC TURF AND INSTALL BACKSTOP NETTING AND ASSOCIATED FOOTINGS

ALTERNATE No. 1 (23023.00 LHS) - ADD COVERED SCORER'S BOX AT SOUTH END OF HOME DUGOUT

ALTERNATE No. 2 (23047.00 LNHS) - RETROFIT SCORER'S BOX INTO VISITING BASEBALL AND SOFTBALL DUGOUT

ALTERNATE No. 3 (23047.00 LNHS) - CONVERT MULTI-PURPOSE FIELD'S INFIELD TO SYNTHETIC TURF AND INSTALL BACKSTOP NETTING AND ASSOCIATED FOOTINGS

ALTERNATE No. 4 (23047.00 LNHS) - ADD CHAMPIONWALL AND ASSOCIATED FOOTINGS AT BASEBALL FIELD IN LIEU OF 8'-0" BLACK PVC FENCE

ALTERNATE No. 5 (23023.00 LHS) - CONVERT MULTI-PURPOSE FIELD'S INFIELD TO SYNTHETIC TURF AND INSTALL BACKSTOP NETTING AND ASSOCIATED FOOTINGS

This site plan for baseball field shall only convert the infield to synthetic turf, no spectator seating capacity will be affected as part of this work.

THIS SITE. PRE-MANUFACTURED DUGOUT UNITS WILL BE PLACED AT THE MULTI-PURPOSE FIELD. THERE ARE A FEW DUGOUT STRUCTURES AT SOFTBALL FIELD AND MULTI-PURPOSE FIELD SHALL BE DEMOLISHED. NEW DUGOUT STRUCTURES WILL BE NEW PERIMETER FENCING AND BACKSTOP NETTING.

THE SCOPE OF THIS PROJECT IS TO CONVERT EXISTING BASEBALL, SOFTBALL AND MULTI-PURPOSE PLAYING FIELDS FROM NATURAL GRASS TO SYNTHETIC TURF. THE MULTI-PURPOSE FIELD WILL BE CONVERTED AT THE BEGINNING OF THE PROJECT TO ENSURE THE STRUCTURE SHALL BE SUPPORTED AND BE COMPLETED AS A WHOLE. THE OTHER FIELDS WILL BE CONSTRUCTED IN PHASES TO AVOID CONFLICTS.
1. Please consider the environment before printing this.

2. MARKED AS SPARE. CUT AND CAP CONDUIT FLUSH WITH ELECTRICAL FACILITIES THAT MUST BE RELOCATED IN ORDER TO PROVIDE FOR THE CONTINUITY OF ALL REMAINING SERVICES.

3. REMOVAL OF EQUIPMENT INDICATED TO BE REMOVED.

4. BECOMES UNNECESSARY AS A RESULT OF THE DISCONNECT AND REMOVE ALL WIRING, AND CONDUIT THAT EXISTSING CONDITIONS AND THE EXTENT OF THE WORK PROJECT SITE AND PERFORM WORK AS REQUIRED TO MEET THE LINE WEIGHT ARE TO REMAIN IN PLACE.

5. UNLESS OTHERWISE NOTED, SERVICES AND EQUIPMENT SHOWN WITH SOLID HALF TONE SYSTEMS SCHEDULED TO BE REMOVED SHALL BE REMOVED OR INDICATED IN THE SPECIFICATIONS. 

6. THE INFORMATION SHOWN IS TO ESTABLISH THE EXTENT OF THE SCOPE OF WORK. VERIFY ALL ACTUAL EXISTING CONDITIONS AT THE PROJECT SITE.

7. RELOCATE AND RECONNECT ANY CIRCUIT AND CONDUIT TO BE RETAINED FOR NEW WORK. EXISTING CONDUIT AND CABLING TO BE RETAINED FOR NEW WORK.

8. CONDUIT AND CABLING TO BE RETAINED FOR REUSE IN NEW WORK.

9. DEMOLITION PLAN NOTES:

   a. disconnecting.
   b. existing conduit to be abandoned in place and capped.
   c. existing conduit, wire and cabling associated with devices to be retained for reuse in new work.
   d. disconnecting.
   e. equipment, existing conduit and cable to be removed back to submeter in new work.
   f. disconnecting.
   g. disconnecting.
   h. disconnecting.
   i. disconnecting.
   j. disconnecting.
   k. disconnecting.
   l. disconnecting.
   m. disconnecting.
   n. disconnecting.
   o. disconnecting.
   p. disconnecting.
   q. disconnecting.
   r. disconnecting.
   s. disconnecting.
   t. disconnecting.
   u. disconnecting.
   v. disconnecting.
   w. disconnecting.
   x. disconnecting.
   y. disconnecting.
   z. disconnecting.

Please review the environment before proceeding.
The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal.
CONSTRUCTION DOCUMENTS

OVERALL GRADING PLAN

CONSTRUCTION DOCUMENTS

URBAN BALL AND SOFTBALL UPGRADES
LIBERTY PUBLIC SCHOOLS
302 Blue Jay Drive
Liberty, MO 64068

DRAWN BY: [Signature]
DATE: [23023]
REVISIONS: [23023]

The Professional Engineers seal affixed to this sheet applies only to the material and items shown on this sheet. All drawings, instruments or other documents not exhibiting this seal shall not be considered prepared by this engineer, and this engineer expressly disclaims any and all responsibility for such plan, drawings, or documents not exhibiting this seal.

LIBERTY PUBLIC SCHOOLS
302 Blue Jay Drive
Liberty, MO 64068

JOB NO: [C110]
SCALE: 1"=40'

Please consider the environment before printing this.
CONTRACTION JOINTS SHALL BE CONSTRUCTED WITH A GROOVING TOOL (HAND TOOLED).

ISOLATION JOINTS SHALL BE PLACED WHERE NEW CONCRETE ABUTS EXISTING CONCRETE AND IN AREAS WHERE CONCRETE ABUTS BUILDINGS.

PREMOLDED NONEXTRUDING FILLER SEALANT

PREMOLDED EXPANSION JOINT MATERIAL SHALL BE PLACED AT POINTS OF CURVATURE, CURB RETURNS, CURB INLETS, AND AT 250' CENTERS.
TREE PROTECTION DETAIL

DEPRESSION Trench or depress area surrounding the tree so as to not disturb root zone

NOTES:
1. All rock in depression is to be removed or covered with thin plastic to allow root growth.
2. Trench may not be deeper than 6" from tree root zone.
3. Tree root zone is to be protected from any construction materials.
4. Tree protection may only be adjusted with permission from the owner's representative.

PROTECTED ROOT ZONE (PRZ) 2'-0" (MIN) DRIPLINE 3'-0" (MIN) ORANGE PLASTIC SNOW FENCE STEEL FENCE POST 6' O.C. 1.5'X2' SIGN (5) TOTAL OR 18' O.C.

THE TEMPORARY FENCE IS TO BE CONSTRUCTED AROUND SPECIFIED AREAS/TREES PRIOR TO ANY CONSTRUCTION AND SHALL REMAIN UNTIL ALL CONSTRUCTION IS COMPLETE. CONSTRUCTION EQUIPMENT AND MATERIALS ARE NOT PERMITTED WITHIN THE (PRZ). THE FENCE PLACEMENT AROUND THE (PRZ) MAY ONLY BE ADJUSTED WITH PERMISSION FROM THE OWNER'S REPRESENTATIVE.
ALTERNATE No. 5
- PROVIDE (2) COLOR TURF INFIELD: BROWN & FIELD GREEN
- PROVIDE CONCRETE CURB WHERE INFIELD MEETS NATURAL GRASS
(RE: K7/AS681)
- PROVIDE POLE-TO-POLE TENSION NETTING SYSTEM WITH INTEGRATED WALL PAD BACKSTOP TNPP36WPB BY SPORTSFIELD SPECIALTIES OR EQUAL

Please consider the environment before printing this.
SITE - GENERAL NOTES
1. REFER TO SHEET AS681 FOR EQUIPMENT SCHEDULE.
2. ALL CHAINLINK FENCE TO BE 8'-0" IN HEIGHT UNLESS NOTED OTHERWISE.
3. EXISTING FENCING POLES TO REMAIN SHALL BE PREPARED WITH ACRYLIC METAL PRIMER FOR GALVANIZED SURFACES PRIOR TO PAINTING.
4. BASE PATHS, FOUL LINES, BATTERS BOXES, COACHES BOXES AND ALL OTHER FIELD STRIPING TO BE STITCHED IN WHITE TURF.
5. INSTALLER RESPONSIBLE FOR MEETING ALL FIELD OF PLAY GUIDELINES AS ADOPTED BY MSHSAA AND NFHS
6. 4'-0" PASS THROUGH GATE
7. 14'-0" ACCESS GATE

SITE - KEYED NOTES
1. EXISTING PORTION OF FENCING TO REMAIN, ADDITIONAL EXISTING PORTION OF EXISTING PORTION OF FENCING TO REMAIN.
2. 4'-0" PASS THROUGH GATE
3. 21'-0" ACCESS GATE

TURF COLOR LEGEND
1. FIELD GREEN
2. LIME GREEN
3. BROWN
4. FLORIDA BLUE

SITE PLAN - MULTI-PUROPOSE FIELD
Foundations

1. Concrete Mix Design and Materials
2. Pre-cast Concrete Shear Walls
3. Precast Concrete Shear Walls - PCC
4. Precast Concrete Shear Walls
5. Precast Concrete Shear Walls - PCC
6. Precast Concrete Shear Walls - PCC
7. Precast Concrete Shear Walls
8. Precast Concrete Shear Walls
9. Precast Concrete Shear Walls
10. Precast Concrete Shear Walls

Reinforcement

6. Seismic - The seismic design is in accordance with the general building code with the following criteria:

1. All openings in slabs, walls, foundations, etc. shall have an additional (2) #5’s on each side, in each corner of the opening.

2. Base

Masonry: Approach to the minimum approach code for masonry, with the following criteria:

a. Basic wind speed V = 110 mph
b. Basic wind pressure U = 0.72 psf
c. Basic wind pressure U = 0.72 psf
d. Basic wind pressure U = 0.72 psf

Grout:

c. Welded Wire Reinforcing ASTM A1064

b. Lap splices and development lengths in reinforcement shall be per the Typical Reinforcing Splice Length Table

b. Grout solid all units below finished floor elevation.

2. Welded reinforcing ASTM A706

2. Anchor Rods

Concrete:

b. Grout solid all units below finished floor elevation.

2. Anchor Rods

Concrete:

b. Grout solid all units below finished floor elevation.

b. Locate control joint where indicated on the floor plans; or when not indicated as listed below:

c. Provide bond beam below all masonry openings and extend a minimum of 16" beyond each side of opening.

2. Special Reinforcement

Conduits:

c. Let each side of the location shown through being used and bond beam.

2. Special Reinforcement

Conduits:

c. Let each side of the location shown through being used and bond beam.

2. Special Reinforcement

Conduits:

c. Let each side of the location shown through being used and bond beam.

2. Special Reinforcement

Conduits:

c. Let each side of the location shown through being used and bond beam.
### Special Inspection Prior to Welding - Table N5.4-1

<table>
<thead>
<tr>
<th>Req' #</th>
<th>Inspection Task</th>
<th>Continuous</th>
<th>Periodic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Welding procedure specifications (WPSs) available</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Equipment configuration for welding procedure available</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3.a.</td>
<td>Material identification (type/grade)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3.b.</td>
<td>Visual acceptance criteria (VACs)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Control of welding parameters (arc voltage, current)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.a.</td>
<td>Joint preparation (fit of groove, root opening)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.b.</td>
<td>Backing type and fit (if applicable)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.c.</td>
<td>Cleanliness (condition of steel surfaces)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.d.</td>
<td>Tacking (tack weld quality and location)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.e.</td>
<td>Backing type and fit (if applicable)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.f.</td>
<td>Undercut</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.g.</td>
<td>Proper position (F, V, H, OH)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>6.a.</td>
<td>Dimensions (alignment, gaps at root)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>6.b.</td>
<td>Each pass within profile limitations</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>7.a.</td>
<td>Fit-up of groove welds</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>7.b.</td>
<td>Verify use of approved design mix.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Check welding equipment</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.a.</td>
<td>Inspect prefabricated wood structural elements in accordance</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.b.</td>
<td>H-piles - Protected zone—no holes and unapproved attachments made by the approved fabricator or erector, as applicable (ref: AISC 341-10)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.c.</td>
<td>Shearwalls:</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.d.</td>
<td>High load diaphragms:</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.e.</td>
<td>Hold-downs</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.f.</td>
<td>Structural members</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Backing removed, weld tabs removed and finished, and welds added (if required) (ref: AISC 341-10)</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

### Special Inspection During Welding - Table N5.4-2

<table>
<thead>
<tr>
<th>Req' #</th>
<th>Inspection Task</th>
<th>Continuous</th>
<th>Periodic</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Welding procedure specifications (WPSs) available</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>Environmental conditions</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3.a.</td>
<td>Grade and size of prestressing tendons and anchorages (including splices).</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3.b.</td>
<td>Location of reinforcement, connectors, prestressing tendons and anchorages.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3.c.</td>
<td>Nails or staples manufacturer number, or other information that can be used to identify recladding material.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3.d.</td>
<td>Grout formulations.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>3.e.</td>
<td>Construction of mortar joints.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>Verify use of proper materials, densities and lift thicknesses</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.a.</td>
<td>Size and location of structural members.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.b.</td>
<td>Type, size and location of anchors, including other details of anchorage.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.c.</td>
<td>Welding of reinforcement.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.d.</td>
<td>Preparation, construction, and protection of masonry during construction.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.e.</td>
<td>Placement of AAC masonry units and construction of thin-bed mortar for AAC masonry.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.g.</td>
<td>Placement of AAC masonry units and construction of thin-bed mortar for AAC masonry.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.h.</td>
<td>Preparation and construction of self-consolidating grout.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.i.</td>
<td>Properties of thin-bed mortar for AAC masonry.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>4.j.</td>
<td>Time to ensure the masonry is cured and reach appropriate strength, and that site has been prepared properly.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Performed according to the approved shop drawings.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.a.</td>
<td>Joint preparation (fit of groove, root opening)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.b.</td>
<td>Travel speed</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.c.</td>
<td>Cleanliness (condition of steel surfaces)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.d.</td>
<td>Tacking (tack weld quality and location)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.e.</td>
<td>Backing type and fit (if applicable)</td>
<td>Yes</td>
<td></td>
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<td>5.f.</td>
<td>Undercut</td>
<td>Yes</td>
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<td>5.g.</td>
<td>Proper position (F, V, H, OH)</td>
<td>Yes</td>
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<td>6.</td>
<td>Fit-up of groove welds</td>
<td>Yes</td>
<td></td>
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<tr>
<td>6.a.</td>
<td>Dimensions (alignment, gaps at root)</td>
<td>Yes</td>
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</tr>
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<td>6.b.</td>
<td>Each pass within profile limitations</td>
<td>Yes</td>
<td></td>
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<tr>
<td>7.a.</td>
<td>Fit-up of groove welds</td>
<td>Yes</td>
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<tr>
<td>7.b.</td>
<td>Verify use of approved design mix.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Check welding equipment</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.</td>
<td>Verify materials below shallow foundations are adequate to reach proper material.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>10.</td>
<td>Backing removed, weld tabs removed and finished, and welds added (if required) (ref: AISC 341-10)</td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

### Special Inspection After Welding - Table N5.4-3

<table>
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<tr>
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<td>2.</td>
<td>Equipment configuration for welding procedure available</td>
<td>Yes</td>
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<tr>
<td>3.a.</td>
<td>Material identification (type/grade)</td>
<td>Yes</td>
<td></td>
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<tr>
<td>3.b.</td>
<td>Visual acceptance criteria (VACs)</td>
<td>Yes</td>
<td></td>
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<tr>
<td>4.</td>
<td>Control of welding parameters (arc voltage, current)</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>5.a.</td>
<td>Joint preparation (fit of groove, root opening)</td>
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<td>5.b.</td>
<td>Backing type and fit (if applicable)</td>
<td>Yes</td>
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<td>5.c.</td>
<td>Cleanliness (condition of steel surfaces)</td>
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<td></td>
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<tr>
<td>5.d.</td>
<td>Tacking (tack weld quality and location)</td>
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</tr>
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<td>5.e.</td>
<td>Backing type and fit (if applicable)</td>
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<td>5.f.</td>
<td>Undercut</td>
<td>Yes</td>
<td></td>
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<tr>
<td>5.g.</td>
<td>Proper position (F, V, H, OH)</td>
<td>Yes</td>
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<tr>
<td>6.</td>
<td>Fit-up of groove welds</td>
<td>Yes</td>
<td></td>
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<tr>
<td>6.a.</td>
<td>Dimensions (alignment, gaps at root)</td>
<td>Yes</td>
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<tr>
<td>6.b.</td>
<td>Each pass within profile limitations</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>7.a.</td>
<td>Fit-up of groove welds</td>
<td>Yes</td>
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</tr>
<tr>
<td>7.b.</td>
<td>Verify use of approved design mix.</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Check welding equipment</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.a.</td>
<td>Inspect prefabricated wood structural elements in accordance</td>
<td>Yes</td>
<td></td>
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<tr>
<td>9.b.</td>
<td>H-piles - Protected zone—no holes and unapproved attachments made by the approved fabricator or erector, as applicable (ref: AISC 341-10)</td>
<td>Yes</td>
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<td>9.c.</td>
<td>Shearwalls:</td>
<td>Yes</td>
<td></td>
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<tr>
<td>9.d.</td>
<td>High load diaphragms:</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.e.</td>
<td>Hold-downs</td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>9.f.</td>
<td>Structural members</td>
<td>Yes</td>
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<td>10.</td>
<td>Backing removed, weld tabs removed and finished, and welds added (if required) (ref: AISC 341-10)</td>
<td>Yes</td>
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</tr>
</tbody>
</table>
1. TOP OF SITE POLE FOOTINGS ELEVATION = FINISHED GRADE UNO. REF CIVIL FOR GRADE ELEVATION.

2. REFERENCE ARCHITECTURAL FOR LOCATION AND QUANTITY OF SITE POLE FOOTINGS.

PLAN REFERENCE NOTES

- 70' MUSCO LIGHT POLE FOOTING PER LIGHT POLE MFR. REF: N5/S530.
- TENSION BACKSTOP NETTING FOOTING PER N9/S530.
- FOUL POLE FOOTING PER N13/S530.
- BATTER'S EYE FOOTING PER J5/S530.
### Concrete Tension Development and Lap Splice Lengths

**NOTES:**
1. Scale = 1" = 1'-0" unless otherwise noted.
2. The minimum lap splice for each reinforcement is shown in the table below.
3. The development length of reinforcement is based on the specified concrete strength and is shown in the table.
4. The tension development length is used for type A2 bars, type A3 bars, and type A4 bars.
5. The lap splice length is used for type A1 bars, type A3 bars, and type A4 bars.

**CONCRETE TENSION DEVELOPMENT**

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<th>Type</th>
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THE ENGINEER MUST BE NOTIFIED PRIOR TO PLACEMENT OF REINFORCEMENT THAT IS REQUIRED TO BE PLACED OUTSIDE OF THE TOLERANCES OF THIS DETAIL SUCH AS TO AVOID INTERFERENCE WITH OTHER REINFORCEMENT, CONDUITS, OR EMBEDDED ITEMS.

BAR AS SPECIFIED AND PREVENT MOVEMENT OF THE BAR DURING CONSTRUCTION.

± EQ ± 1/2"

LENGTH BAR SPA

REINFORCEMENT AT CONTROL JOINT.

CONTINUE BOND BEAM AT TOP OF WALL.

VERTICAL BAR TENSION, MASONRY WALL, PILASTER, AND COLUMN VERTICAL BAR TENSION DEVELOPMENT AND LAP SPICE LENGTHS

GENERAL NOTE 2.e)

GENERAL NOTE 3.d

EXHIBITED BY:

DRAWN BY:

LHS Baseball & Softball Upgrades

200 Blue Jay Drive

Liberty, MO 64068

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DESCRIPTION DATE

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LOCATION OF EXISTING PANEL 'NLAB'. MOUNT RECEPTACLE ON UNISTRUT OF WALL MOUNT FOR MOUNTING. STUB UP (1) 2" CONDUIT FROM LOW VOLTAGE PROVIDE 12" X 12" X6" LOCKABLE WALL MOUNT ENCLOSURE, BOTTOM OF ENCLOSURE. MOUNT TO SIDE OF BUILDING. HOFFMAN SERIES ECL303015 OR EQUAL. STUB UP (1) 2" PROVIDE 12" X 12" X6" LOCKABLE WALL MOUNT ENCLOSURE, LOCKABLE ENCLOSURE. CIRCUIT WITH 2#8,#10G, 3/4"C. PROVIDE NEMA L6-50 RECEPTACLE IN WEATHERPROOF RETAINED FROM FIELD DURING DEMOLITION TO BE REROUTED LOCATION. FOOTBALL FIELD SPORTS LIGHTING AND EXTEND TO NEW POLE EXISTING SPORTS LIGHTING CONDUIT TO BE CAPPED AT NEW POLE LOCATION AS NECESSARY. EXTEND/MODIFY EXISTING CONDUIT AND CONDUCTORS TO EXISTING MUSCO LIGHT FIXTURE AND POLE RETAINED DURING EXISTING RECEPTACLE CIRCUIT AND SOUND ENCLOSURE RE-AIM FIXTURES AS NECESSARY. EXTENDED/MODIFIED AS NECESSARY TO NEW LOCATION. DEMOLITION TO BE PLACED ON NEW POLE. EXISTING CONDUIT EXISTING FOOTBALL FIELD LIGHTING RETAINED DURING REROUTED TO NEW LOCATION. EXTEND/MODIFY CONDUIT AND EXISTING POLE MOUNTED MUSCO CABINET TO BE REINSTALLED LINE VOLTAGE SIDE OF THE QUAZITE BOX, INTO AN ABOVE FACILITIES PRIOR TO INSTALLATION. STUB UP (2) 2" PG1730Z611 OR EQUAL. MOUNT FLUSH AT GRADE AT LOCATION PROVIDE DIVIDED ASSEMBLY QUAZITE BOX SERIES NUMBER IN WHICH IT IS FED FROM. POLES WITH SPORTS LIGHTING MANUFACTURER. IF THERE IS PRIOR TO CONSTRUCTION VERIFY ACTUAL LOCATIONS OF NEW PRIOR TO CONSTRUCTION. REFER TO IN-GRADE ELECTRICAL RESPONSIBLE FOR REBUILD TO WORKING CONDITION. ALL PRIOR TO CONSTRUCTION CONTRACTOR SHALL LOCATE ALL UNLESS NOTED OTHERWISE.