Install Nature Park
Missouri School for the Blind
St. Louis, Missouri

OWNER: STATE OF MISSOURI
MICHAEL L. PARSON
GOVERNOR
DEPARTMENT OF ELEMENTARY & SECONDARY EDUCATION

PROJECT MANAGEMENT: OFFICE OF ADMINISTRATION,
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION

DESIGNER: OATES ASSOCIATES

PROJECT NUMBER: E1703-01

ASSET NUMBER: 5012011003, 5012011004

03/11/2020 - ISSUED FOR CONSTRUCTION
MSC STANDARD CONSTRUCTION NOTES

1. All storm sewer and drainage pipes, culverts, and appurtenances shall be sized in accordance with the provisions of the "Standard "Construction" Specifications for Storm and Drainage Facilities." These specifications shall be used in the construction of all storm sewer and drainage facilities. The specifications are available at the Missouri Department of Transportation (DOT) website or by contacting the DOT directly.

2. All storm sewer and drainage pipes, culverts, and appurtenances shall be sized in accordance with the provisions of the "Standard "Construction" Specifications for Storm and Drainage Facilities." These specifications shall be used in the construction of all storm sewer and drainage facilities. The specifications are available at the Missouri Department of Transportation (DOT) website or by contacting the DOT directly.

PART I - MATERIALS OF CONSTRUCTION

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8. All storm sewer and drainage pipes, culverts, and appurtenances shall be sized in accordance with the provisions of the "Standard "Construction" Specifications for Storm and Drainage Facilities." These specifications shall be used in the construction of all storm sewer and drainage facilities. The specifications are available at the Missouri Department of Transportation (DOT) website or by contacting the DOT directly.
1. Refer to civil sheets for utility information.
2. The contractor shall obtain all necessary permits prior to any construction.
3. Underground facilities, structures, and utilities have been plotted from available surveys and records. Locations and quantities are approximate and shall be the contractor's responsibility to determine or verify their existence and exact location and avoid any damage.
4. The contractor is responsible for the location and protection of all underground utilities during construction.
5. Report any discrepancies found with regard to existing conditions or proposed design immediately to owner's representative.
6. Do not willfully proceed with construction as designed where it is found that known discrepancies exist. The contractor shall assume full responsibility for all necessary revisions due to failure to give such notification.
7. Refer to civil and electrical drawings for additional information on lighting, wiring schematics, and fixture schedule.
8. Any and all areas disturbed by construction activities—whether shown on the drawings or occurring in the field—are to be restored with seed or sod. Areas to be replaced with sod will be specifically noted on civil and landscape plans.
9. Landscape architect and construction administrator to field verify layout of improvements prior to installation.
1. Rotating Climber Elevation View
2. Rotating Climber Plan View
3. Log Crawl Tunnel Detail
4. Swing Connection Details
5. Swing Connection Footing
6. Mule Sculpture
7. Lion Sculpture
8. Greenhouse East Elevation View
9. Greenhouse South Elevation View

Notes:
- Refer to specifications for material, color, and finish of Mule Sculpture.
- Refer to specifications for material, color, and finish of Lion Sculpture.

Abbreviations:
- B.C.: Before Construction
- L.C.: During Construction
- S.C.: Street Construction
- M.C.: Municipal Construction
- C.D.: Construction Documents
- M.T.: Municipal Transportation
- D.C.: Design Documents
- F.C.: Fuel Construction
- E.C.: Electrical Construction
- C.S.: Civil Services
- T.C.: Transportation Construction
- M.S.: Municipal Services
- S.S.: Structural Services
- F.S.: Fuel Services
- E.S.: Electrical Services
CEDAR FENCING

1/2" = 1'-0"

COMPACTED SUBGRADE
FINISH GRADE (TYP)

6" x 6" S4S CEDAR POST (TYP)

NOTES
- ALL NAILS SHALL BE NAIL SET
- ALL ATTACHMENTS ARE BLIND
- ALL DIMENSIONS ARE TYPICAL UNLESS OTHERWISE STATED
- ALL SLATS WILL BE SPACED ONE 8d NAIL FROM ONE ANOTHER AND S4S POSTS
- LAST SLAT TO BE PLACED WILL BE CUT TO DIMENSION TO KEEP WITH ABOVE SPACING
- REFER TO STRUCTURAL ENGINEERING DRAWINGS FOR DETAILS OF FOOTING

STATE OF MISSOURI
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GOVERNOR

OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT,
DESIGN AND CONSTRUCTION
DEPARTMENT OF SECONDARY EDUCATION
ELEMENTARY & INSTALL NATURE PARK
3815 MAGNOLIA AVENUE
FOR THE BLIND MISSOURI SCHOOL
ST. LOUIS, MO 63110

E1703-01
501201103, 501201104
3/11/2020
720 OLIVE STREET, SUITE 200
SAINT LOUIS, MO  63101
314.206.7100
MSD PROJECT#:  19MSD-00389
BASEMAP:  21F4

SEE PLAN VIEWS FOR SPACING

CAD DWG FILE:

LANDSCAPE DETAILS

ELEVATION
CROSS SECTION
PLAN VIEW
**DATE:** 3/11/2020

**STREET TREE LAYOUT - EAST**

**STREET TREE LAYOUT - WEST**

**TREE PROTECTION**

**PLANTING SCHEDULE**

<table>
<thead>
<tr>
<th>COMMON NAME</th>
<th>BOTANICAL NAME</th>
<th>QTY</th>
<th>SYM</th>
</tr>
</thead>
<tbody>
<tr>
<td>CREEPING JUNIPER</td>
<td>Juniperus horizontalis 'Plumosa'</td>
<td>45</td>
<td>JH (5)</td>
</tr>
<tr>
<td>ENGLISH IVY</td>
<td>-</td>
<td>1</td>
<td>HH</td>
</tr>
<tr>
<td>FEATHER REED GRASS</td>
<td>-</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>LINDBERG</td>
<td>Vaccinium vitis-idaea</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>BLUEBERRY</td>
<td>Vaccinium corymbosum</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>LITTLE BOY BLUE LILAC</td>
<td>Syringa vulgaris 'Little Boy Blue'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>RASPBERRY</td>
<td>Rubus idaeus 'Improved Titan'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>BLACKBERRY</td>
<td>Rubus fruticosus</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>RUSSIAN SAGE</td>
<td>Perovskia atriplicifolia 'Little Spire'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>RIBBONS AND CURLS DAYLILY</td>
<td>Hemerocallis 'Ribbons and Curls'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>PATRIOT HOSTA</td>
<td>Hosta 'Patriot'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>HYPERICUM BROWN</td>
<td>Hypericum beanii</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>BLOODTWIG DOGWOOD</td>
<td>Cornus sanguinea 'Midwinter Fire'</td>
<td>5</td>
<td>JH (5)</td>
</tr>
<tr>
<td>BOXWOOD</td>
<td>Buxus 'Green Velvet'</td>
<td>5</td>
<td>JH (5)</td>
</tr>
<tr>
<td>PEACOCK BUTTERFLY BUSH</td>
<td>Buddleja davidii 'Peakeep'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>JAPANESE ZELKOVA</td>
<td>Zelkova serrata</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>PRINCETON SENTRY GINKGO</td>
<td>Ginkgo biloba 'Princeton Sentry'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>boxwood</td>
<td>Buxus 'Green Velvet'</td>
<td>5</td>
<td>JH (5)</td>
</tr>
<tr>
<td>peacock butterfly bush</td>
<td>Buddleja davidii 'Peakeep'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>chinese pistache</td>
<td>Pistacia chinensis 'Green Tower'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>arborvitae</td>
<td>Thuja plicata 'Conica'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>white pine</td>
<td>Pinus strobus 'Fastigiata'</td>
<td>3</td>
<td>JH (5)</td>
</tr>
<tr>
<td>evergreen living</td>
<td>-</td>
<td>3</td>
<td>JH (5)</td>
</tr>
</tbody>
</table>

**NOTES**

1. REFER TO SPECIFICATIONS ON TREE PROTECTION REQUIREMENTS.
2. GRADE CHANGES, UNLESS NOTED.
3. NO VEHICLE OPERATIONS ON TREE PROTECTION AREAS.
4. REFER TO EXISTING GRADE.
5. TREE TO REMAIN UNDISTURBED WHERE SHOWN.
6. RANGE OF TREE PROTECTION SIZE TO BE 10'-0" MAX. ON CENTER.
7. EXISTING TREE TO REMAIN UNDISTURBED.
8. ANY TREE DESIGNATED AS PROTECTED:
   - REFER TO CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON LIGHTING, WIRING SCHEMATICS, AND FIXTURE PLACEMENT.
   - VERIFY THEIR EXISTENCE AND EXACT LOCATION AND AVOID ANY DAMAGE.
   - INSTALL NATURE PARK.
   - INSTALL NATURE PARK.
   - INSTALL NATURE PARK.
   - INSTALL NATURE PARK.

**ARCTURIS**

**BASEMAP:** 21F4

**LIGHT POLE (TYP)**

**GRAPHIC SCALE:**

**SUPERINTENDENT'S BUILDING**

**MAGNOLIA AVENUE**

**BUILDING**

**MAGNOLIA AVENUE**

**SCIENCE BUILDING**

**LIGHT POLE (TYP)**

**GRAPHIC SCALE**

**FIELD NOTES:**

- INSTALL NATURE PARK.
- INSTALL NATURE PARK.
- INSTALL NATURE PARK.
- INSTALL NATURE PARK.

**REFERENCES:**

- REFER TO CIVIL AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON LIGHTING, WIRING SCHEMATICS, AND FIXTURE PLACEMENT.
GENERAL NOTES: ARCHITECTURAL

1. WINDOW WALLS ARE NOT SUBJECT TO THE MINIMUM HEIGHT REQUIREMENTS.

2. REQUIREMENTS SHOWN ON THE "TYPICAL ACCESSIBILITY STANDARDS" SHEETS, VERTICAL FUMITRATION, WINDOWS, DRAPERIES, DOORS, AND SIMILAR CONTROLS OF FREQUENT ACCESS.

3. ARCHITECT OF ANY DISCREPANCIES, CONFLICTS, INCONSISTENCIES, ERRORS OR OMISSIONS THAT THE CONTRACTOR IS TO BRING TO THE ARCHITECT’S ATTENTION ANY CONDITIONS REPRESENTED IN THE CONTRACT DOCUMENTS THAT ARE NOT IN CONFORMANCE WITH APPLICABLE REQUIREMENTS.

4. CONTRACTOR IS TO BRING TO THE ARCHITECT’S ATTENTION ANY CONDITIONS REPRESENTED IN THE CONTRACT DOCUMENTS THAT ARE NOT IN CONFORMANCE WITH APPLICABLE REQUIREMENTS.

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BASE BID:
SIDEWALK AND ORNAMENTAL FENCE
ADD ALTERNATE #2:
ALL WORK ON THE NEW CANOPY SHOWN ON THIS SHEET INCLUDING FOUNDATIONS, STEEL, ROOFING, AND LIGHTING.

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SIDEWALK AND ORNAMENTAL FENCE
ADD ALTERNATE #2:
ALL WORK ON THE NEW CANOPY SHOWN ON THIS SHEET INCLUDING FOUNDATIONS, STEEL, ROOFING, AND LIGHTING.
STATE OF MISSOURI
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MANAGEMENT, DESIGN AND CONSTRUCTION

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E1703-01
501201104
3/11/2020

720 OLIVE STREET, SUITE 200
SAINT LOUIS, MO  63101
314.206.7100

MSD PROJECT#:  19MSD-00389
BASEMAP:  21F4

ARCHITECTURAL PLANS, RCP
ADMIN, 2ND FLR

A-106
45 OF 76 SHEETS

A-106
13
SECOND FLOOR ADMIN - FLOOR FINISH PLAN
1/8" = 1'-0"

NEW VCT TO MATCH EXISTING, ALIGN TO EXISTING PATTERNS WHEREVER POSSIBLE
EXIST VCT TO REMAIN
USE EXISTING TILE SCRAPS TO PATCH-IN AT KICK
±6'-3" ±4'-0" ±3'-4"

MATCH AT REMOVED WALL PER MILLWK
MATCH EX'G ALIGN, TYP ±4'-0" 3'-0" MIN

EXIST ACT TO REMAIN
EXIST ACT TO REMAIN
EXIST ACT TO REMAIN

OCCUPANCY USE:
***NO CHANGE***
B - BUSINESS (OFFICE)

REPAIR WALL AT DEMOLISHED WALL ±4'-0" ±3'-4"

WALL BASE AT NEW WALLS, WHERE EXPOSED:
PROVIDE VINYL BASE TO MATCH EXISTING

EXTENTS OF WORK;
REPAINTING EXTENDS TO ADJACENT CORNER TO PREVENT FLASHING
PATCH AT REMOVED WALL
NEW PARTITION, SEE SIMILAR DETAILS ON A-101
RELOCATE MILLWORK
NEW STEEL FRAME PASSAGEWAY
DEAD-END CORRIDOR
COMMON PATH OF TRAVEL:
***MODIFIED***
MAXIMUM:  50'
EXISTING:  ~70'
PROPOSED:  48'
COMMON CORRIDOR
EGRESS IN BOTH DIRECTIONS
NO CHANGE TO CORRIDOR

REF#-438
21F-200-400
1/10" = 1'-0"

SECOND FLOOR ADMIN - PROPOSED PLAN
1/8" = 1'-0"

PARTITION DEMO NOTE:
PARTITIONS NOTED TO BE REMOVED ARE A COMBINATION OF CLAY TILE WITH PLASTER FINISH AND STEEL STUD WITH GYPSUM; ALL ARE NON-LOAD BEARING. FOR PRICING ASSUME ALL ARE CLAY TILE CONSTRUCTION

EXTENTS OF WORK;
REMOVE MILLWORK FOR RELOCATION (PROTECT)
REMOVE PARTITION, SEE ENGINEERING DRAWINGS FOR ELECTRICAL, ETC.
REMOVE DOOR AND FRAME CUT OPENING FOR NEW PASSAGEWAY
REMOVE SECTION OF WALL; DOOR, HARDWARE AND FRAME

OFFICE
OFFICE
OFFICE
OFFICE

OFFICE
ADMIN RECEPTION

MATCH AT REMOVED WALL TO EXISTING CEILING TO MINIMIZE REWORK ON EXISTING CEILING GRID
CEILING HEIGHT TO MATCH EXISTING (DETERMINED BY MILLWORK HEIGHT)
NO CHANGE TO LIGHTING

PLASTER SOFFIT, TIE TO DEMO'D PARTITION AT CEILING TO MINIMIZE REWORK ON EXISTING CEILING GRID

EXIST ACT TO REMAIN
EXIST ACT TO REMAIN
EXIST ACT TO REMAIN

NEW VCT TO MATCH EXISTING, ALIGN TO EXISTING PATTERNS WHEREVER POSSIBLE
EXIST VCT TO REMAIN

MAXIMUM: 100'
EXISTING:  ~92'
PROPOSED: ~92'

NO CHANGE TO LIGHTING
EXIST ACT TO REMAIN
EXIST ACT TO REMAIN
EXIST ACT TO REMAIN

NEW STEEL FRAME PASSAGEWAY
DEAD-END CORRIDOR
COMMON PATH OF TRAVEL:
***MODIFIED***
MAXIMUM:  50'
EXISTING:  ~70'
PROPOSED:  48'

COMMON CORRIDOR
EGRESS IN BOTH DIRECTIONS
NO CHANGE TO CORRIDOR
GENERAL NOTES

1. PROJECT IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL BUILDING CODE (IBC) AND THE INTERNATIONAL ELECTRICAL CODE (NEC), AS AMENDED AND SPECIFIED.

2. MINIMUM DESIGN LOADS FOR BUILDING AND OTHER STRUCTURES ARE AS LISTED IN CHAPTER 21.

3. ALL DRAWINGS ARE SUBJECT TO THE RIGHTS OF PROPERTY OWNERS, LOCAL CODES, AND LAWS, AS WELL AS THE REQUIREMENTS OF THE ENGINEER AND CONSTRUCTION SPECIFICATIONS.

4. GENERAL NOTES AND DRAWINGS REQUIREMENTS OF CONSTRUCTION SPECIFICATIONS SHALL NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY TO CONFORM TO THE DESIGN AND DRAWINGS.

5. DRAWINGS AND DETAILS SHALL NOT BE SCREWED. USE EMBOSSED NOTES, USE ARCHITECTURAL DRAWING OR SUBMIT FOR LAYOUT.

REVIEWED SUBMITTALS DO NOT RELIEVE THE CONTRACTOR FROM PROJECT DOCUMENT SET INCLUDING, BUT NOT LIMITED TO, RISK CATEGORY IS DESIGNED IN ACCORDANCE WITH THE INTERNATIONAL GENERAL CONFORMANCE WITH THE PROJECT DOCUMENTS.

GEOTECHNICAL INFORMATION

8.1. THE STRUCTURE IS DESIGNED TO PERFORM AS A UNIT UPON ACTUAL FIELD CONDITIONS.

8.3. FOOTINGS SHALL BE 30 INCHES MINIMUM.

FROST PROTECTION DEPTH FOR BOTTOM OF EXTERIOR FLAT-ROOF SNOW LOAD, Pf

MAPPED SPECTRAL RESPONSE ACCELERATIONS

ENTRANCE CANOPY, CHAP. 30, PART 5 - OPEN BUILDING

BASIC WIND SPEED, V

MINIMUM LIVE LOAD

STATEMENT OF SPECIAL INSPECTION REQUIREMENTS FOR SEISMIC DETAILS NOTED AS "TYPICAL" ARE TO APPLY TO ALL CONDITIONS, MATERIALS.

ENGINEER PRIOR TO CONCRETE PLACEMENT. THE GEOTECHNICAL RECOMMENDATIONS CONTAINED IN THE GEOTECHNICAL REPORT.

REFER TO THE TABLES CONTAINED IN THE IBC FOR MATERIAL DESIGN CRITERIA INCLUDED IN THE PROJECT DOCUMENTS.

ENGINEER SHALL BE A REGISTERED PROFESSIONAL OR STRUCTURAL ENGINEER.

SPECIAL INSPECTIONS AND ASSOCIATED TESTING REPORTS SHALL BE SUBMITTED TO THE CONTRACTOR PRIOR TO CONCRETE PLACEMENT.

NOT REMOVE UNTIL THE STRUCTURE'S LATERAL LOAD RESISTING SYSTEM (INCLUDING ALL REINFORCING). INSTALL PER THE STRICTEST RECOMMENDATIONS OF THE ENGINEER.

CONCRETE EXPOSED TO FREEZE THAW CYCLES SHALL HAVE 6% AIR VOID CONTENT.

CONTROL JOINTS AT ROOF LINES, FLOOR LINES AND AS NOTED IN THE DRAWINGS.

CONTROL JOINT (50% PASSES). SUBMIT DETAILS OF CONSTRUCTION JOINTS IN COORDINATED AND CHECKED SHOP DRAWINGS FOR ALL REINFORCING MATERIALS.

REINFORCEMENT AT SPLICES SHALL BE LAPPED ACCORDING TO ACI 318.2.

REINFORCEMENT AT SPLICES SHALL BE LAPPED ACCORDING TO ACI 318.2.

CROSSING JOINTS SHOULD BE LOCATED IN THE SHOP DRAWINGS AND ARE SUBJECT TO THE APPROVAL OF THE ENGINEER. LOCATE AT LEAST 6" FROM ANY WEB OR RIB OF CONCRETE AND/OR MASONRY SHALL ALIGN WITH THE STRUCTURE, IF SHOWN ON THE DRAWINGS. LOCATE AT LEAST 6" FROM ANY WEB OR RIB OF CONCRETE AND/OR MASONRY.

CORNER DOWELS FROM CONCRETE AND/OR MASONRY SHALL ALIGN WITH THE STRUCTURE.

DOWELS FROM CONCRETE AND/OR MASONRY SHALL ALIGN WITH THE STRUCTURE.

HIGH STRENGTH BOLTS FOR CONNECTIONS, OTHER THAN THOSE FOR USE WITH THE REINFORCING BARS WHICH ARE 25% OR LESS OF THE STRUCTURAL CROSS SECTIONS.

EXISTING CONDITIONS WHICH ARE THE SAME OR SIMILAR ELSEWHERE ON THE PROJECT SITE.

ALL OTHER CONCRETE SHALL NOT BE CORED OR CUT WITH MASONRY SAW.

OPENINGS SHALL BE CORED OR CUT WITH A MASONRY SAW LEAVING SMOOTHEdge.

SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED.

ASSEMBLY LOCATION OF CONCRETE AND MASONRY FORMWORK FOR THE STRUCTURE.

APPLICABLE VALUES IN THE RCSC "SPECIFICATION FOR STRUCTURAL STEEL CONSTRUCTION".

ANCHOR BOLTS SHALL BE ASTM F1554, GRADE 36.

HORIZONTAL REINFORCING BARS SHALL BE CONTINUOUS THROUGH ANY MEMBER UNLESS THEY ARE DETAILED ON THE DRAWINGS.

ALL CONCRETE USED IN MAIN FLOOR, SECOND FLOOR AND ROOFTOP LAYOUT FOR FOUNDATION.

ALL CONCRETE USED IN MAIN FLOOR, SECOND FLOOR AND ROOFTOP.

CONCRETE EXPOSED TO FREEZE THAW CYCLES SHALL HAVE AIR VOID CONTENT.

SEISMIC DESIGN FACTOR - C.

ALL STRUCTURAL STEEL SHELLS SHALL BE TYPE S ABOVE GRADE AND TYPE M BELOW GRADE, UNLESS SHOWN ON THE DRAWINGS.

HIGH-STRENGTH BOLTS FOR CONNECTIONS, OTHER THAN THOSE FOR USE WITH THE REINFORCING BARS WHICH ARE 25% OR LESS OF THE STRUCTURAL CROSS SECTIONS.

THE REQUIRED LAP LENGTH, NOR MORE THAN 8" APART.

BOLTS SHALL BE USED FOR CONNECTIONS BETWEEN CONCRETE AND STEEL.

SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED.

SPLICING OF STEEL MEMBERS, UNLESS SHOWN ON THE DRAWINGS, IS PROHIBITED.

REINFORCEMENT AT SPLICES SHALL BE LAPPED ACCORDING TO ACI 318.2.

ARCHITECTURALLY EXPOSED STRUCTURAL STEEL.

STATE OF MISSOURI DESIGN FIRM LICENSE NO.: 001166

PROJECT #: E1703-01 SHEET: 10/21/2013 SHEET NUMBER: S-001

ARCHITECT: MICHAEL L. PARKER, G.P.

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MISDI PROJECT #: E1900-ME984 BASEMAP: 21F4

OFFICE OF ADMINISTRATION, FACILITIES MANAGEMENT, AND CONSTRUCTION DEPARTMENT OF THE GENERAL SERVICES ADMINISTRATION OF THE SECONDARY EDUCATION
1. The steel roof deck has been designed to span across 3'-0" wide bays and 8'-0" on center joists. Steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

2. Inside roof deck is designed to support the weight of the roof structure, including the decking, subfloor, and roof covering. The roof deck should be laid in the same manner as the floor deck, with the same care taken to avoid damage to the underside of the joists and beams.

3. Metal decking accessories, including but not limited to, rebar, reinforcing bars, and fasteners that are to be integrated with the floor decking and roof decking, shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

4. Roof deck shall be painted and galvanized. Catwalk roof, column metal roof deck with décor bar shall be painted and galvanized to coordinate with the structural framing elements. Details to structural framing elements, side lap, depth, and gage as indicated on the structural requirements shall be hung on hangers directly attached to the structural frame. No loads shall be permitted to be hung from any steel girder, column, or girder, fillers, Z-closures, and cover plates; that are seen in the drawing. Supplementary deck and/or closure reinforcing, connection details, deck opening/edge closures, and supplementary deck and/or closure reinforcing shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

5. Roof deck shall be designed, fabricated, and installed in accordance with the requirements of the standard for composite floor deck. All steel roof deck shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

6. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

7. Steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

8. Roof deck shall be designed, fabricated, and installed in accordance with the requirements of the standard for composite floor deck. All steel roof deck shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

9. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

10. Roof deck shall be designed, fabricated, and installed in accordance with the requirements of the standard for composite floor deck. All steel roof deck shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

11. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

12. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

13. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

14. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

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21. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

22. All steel roof deck shall be designed to span across 3'-0" wide bays and 8'-0" on center joists. All steel roof deck is supported by beams at intervals of 4'-0" and 6'-0" on center. The steel roof deck does not require bracing for the overall stability of the roof structure.

23. Providing, as required, all ridge and valley plates. Column closures shall be designed, fabricated, and installed in accordance with the requirements of the standard for composite floor deck. Details to structural framing elements, side lap, depth, and gage as indicated on the structural requirements shall be hung on hangers directly attached to the structural frame. No loads shall be permitted to be hung from any steel girder, column, or girder, fillers, Z-closures, and cover plates; that are seen in the drawing. Supplementary deck and/or closure reinforcing, connection details, deck opening/edge closures, and supplementary deck and/or closure reinforcing shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

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25. Providing, as required, all ridge and valley plates. Column closures shall be designed, fabricated, and installed in accordance with the requirements of the standard for composite floor deck. Details to structural framing elements, side lap, depth, and gage as indicated on the structural requirements shall be hung on hangers directly attached to the structural frame. No loads shall be permitted to be hung from any steel girder, column, or girder, fillers, Z-closures, and cover plates; that are seen in the drawing. Supplementary deck and/or closure reinforcing, connection details, deck opening/edge closures, and supplementary deck and/or closure reinforcing shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

26. Providing, as required, all ridge and valley plates. Column closures shall be designed, fabricated, and installed in accordance with the requirements of the standard for composite floor deck. Details to structural framing elements, side lap, depth, and gage as indicated on the structural requirements shall be hung on hangers directly attached to the structural frame. No loads shall be permitted to be hung from any steel girder, column, or girder, fillers, Z-closures, and cover plates; that are seen in the drawing. Supplementary deck and/or closure reinforcing, connection details, deck opening/edge closures, and supplementary deck and/or closure reinforcing shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.

27. Providing, as required, all ridge and valley plates. Column closures shall be designed, fabricated, and installed in accordance with the requirements of the standard for composite floor deck. Details to structural framing elements, side lap, depth, and gage as indicated on the structural requirements shall be hung on hangers directly attached to the structural frame. No loads shall be permitted to be hung from any steel girder, column, or girder, fillers, Z-closures, and cover plates; that are seen in the drawing. Supplementary deck and/or closure reinforcing, connection details, deck opening/edge closures, and supplementary deck and/or closure reinforcing shall be of the same material, finish, thickness as the metal deck. Accessory elements shall be machined or fabricated to fit the opening of the structural steel for the particular gages used. Prior to the start of erection, the contractor shall provide the architect, the owner's testing laboratory, and the engineer with a sample of each accessory element for approval.
ALTERNATE #1: GREEN HOUSE

ALTERNATE #2: ENTRANCE CANOPY

FOOTING SCHEDULE

<table>
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<tr>
<th>S/No.</th>
<th>F1</th>
<th>F2</th>
<th>F3</th>
</tr>
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<tbody>
<tr>
<td>Size</td>
<td>6'-0&quot; x 6'-0&quot; x 1'-6&quot;</td>
<td>11'-3&quot; x 4'-6&quot; x 1'-6&quot;</td>
<td>1'-0&quot; (TYP.)</td>
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<tr>
<td>Top &amp; Bottom Reinforcement</td>
<td>(7) #5</td>
<td>#6 @ 12&quot; O.C. SHORT (5) #5 LONG</td>
<td>(TYP.)</td>
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NOTES:

1. See Sheets S-001 & S-002 for General Notes & Typical Details.
2. See Site Plan, Sheet S-101, for Entrance Canopy & Greenhouse Location
3. Top of Pilaster Elevation (T.O.F.) = 98'-10" (U.N.O.)
SHEET S-102 NOT USED
ALTERNATE #2: ENTRANCE CANOPY

PLAN NOTES:

1. ENTRANCE CANOPY ROOF CONSTRUCTION: 1-3/8X3-1/2X7/8 CELLULAR METAL ROOF DECK TYPE BP. SEE TYPICAL METAL DECK DETAILS ON SHEET S-103 FOR CONNECTION TO STRUCTURE.

2. MOMENT CONNECTION INDICATED BY "Ø x 12" EMB.

COLUMN SCHEDULE

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<tr>
<th>SIZE</th>
<th>BASE PLATE (TYP)</th>
<th>TYP. (T)</th>
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<tr>
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<td>C4</td>
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NOTES:

1. SEE SHEET S-103 FOR TYP. COLUMN & BASE PLATE DETAILS INCLUDING BASE PLATE TYPE.

2. ALL A.B. TO BE F1554 GRADE 36. (TYP.)
SHEET S-201 NOT USED
**ALTERNATE #1 - GREEN HOUSE FOUNDATION**

- **STONE CAP**
- **(H) #5 BARS**
- **COMPACTED GRAVEL SUBGRADE**
- **8" CMU WALL**
- **(4) #5 BARS**
- **#5 @ 12" O.C.**
- **#5 @ 24" O.C. VERT.**
- **SOLID GROUT**
- **(1) #5 x CONT. BOND BEAM**
- **SOLID GROUT AT TOP OF KNEE WALL**
- **HORIZ. TRUSS REINF. @ 16" O.C.**
- **#5 DWLS ALT. HOOKS**
- **6" SLAB ON GRADE w/ 6x6 - 2.1x2.1 WWF**
- **4" BRICK VENEER - SEE ARCH.**

**ALTERNATE #2 - ENTRANCE CANOPY**

- **ZERO LOT FOUND. @ ENTRANCE CANOPY**
- **COMBINED FOUND. @ ENTRANCE CANOPY**
- **S-501 FOUNDATION DETAILS**
- **1"=1'-0"**
- **TOP OF FTG. = SEE PLAN**
- **SEE FOUNDATION SCHEDULE FOR REINF.**
- **SIDEWALK - SEE CIVIL (TYP.)**
- **EXP. JT. (TYP.)**
- **NON-SHRINK GROUT (TYP.)**
SHEET S-502 NOT USED
**PLUMBING FIXTURE SCHEDULE**

<table>
<thead>
<tr>
<th>Name</th>
<th>Manufacturer &amp; Model Numbers</th>
<th>Description</th>
<th>Notes</th>
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<tr>
<td>F-1 Fixture</td>
<td>[Manufacturer Information]</td>
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<td>[Additional Notes]</td>
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<td>F-2 Fixture</td>
<td>[Manufacturer Information]</td>
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<tr>
<td>F-3 Fixture</td>
<td>[Manufacturer Information]</td>
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<td>[Additional Notes]</td>
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**INSTALLATION NOTES**

- [Installation Instructions or Requirements]
- [Specific Installation Considerations]
- [Approval or Certification]

**REVISION HISTORY**

- **Revision Date**: [Date]
- **Revision Number**: [Number]
- **Description**: [Description of Changes]
- **Approved by**: [Name/Position]

**PROJECT/FILE INFORMATION**

- **Project Name**: [Project Name]
- **File Date**: [Date]
- **File Number**: [Number]
- **File Format**: [Format]
- **File Source**: [Source]

**STATE OF MISSOURI**

**MICHAEL L. PARSON, GOVERNOR**

**OFFICE OF ADMINISTRATION**

**DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION**

**MISSOURI SCHOOL FOR THE BLIND**

3915 MAGNOLIA AVENUE

ST. LOUIS, MO 63110

**PROJECT #**: E1703-411

**ASSET #**: 501230110201, 5012301106

**MOUND PROJECT**: FMSU-00889

**BASEMAP**: 21F4

**DEPARTMENT OF ELEMENTARY & SECONDARY EDUCATION**

**PLUMBING DETAILS & SCHEDULES**

**SHEET NUMBER**: P-301

**NUMBER OF SHEETS**: 1
1. **Light Pole Detail**

2. **Pull Box Detail**

3. **Lighting Control System Diagram**

4. **Bollard Base Detail (Grass Area)**

5. **Bollard Base Detail (Sidewalk Area)**

6. **Unit Heater Mounting Detail**
# LIGHT FIXTURE SCHEDULE

## GENERAL NOTES

1. **Construction Site Requirements:**
   - Provide all Fixtures to be installed except for N.O. 1444, 1445, and 1446. All Fixtures are provided under Alternate B.

2. **Electrical Conduit:**
   - Install all conduit in areas where required. Install conduit in accordance with local codes.

3. **Lighting Fixtures:**
   - Use the fixtures shown on the drawings. If a different fixture is used, notify the Project Manager.

4. **Lamp Type:**
   - Use the lamp type shown on the drawings. If a different lamp is used, notify the Project Manager.

5. **Voltage:**
   - Use the voltage shown on the drawings. If a different voltage is used, notify the Project Manager.

6. **Installer Responsibilities:**
   - All work shall be installed in accordance with the National Electrical Code and local codes.

7. **Materials:**
   - All materials shall be suitable for the intended use and shall meet the specifications of the drawings.

8. **Alterations:**
   - No alterations shall be made to the drawings without written consent of the Project Manager.

## UNIT HEATER SCHEDULE

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**Notes:**
- Panel P/I is provided under Alternate B.
SECOND FLOOR PLAN DEMOLITION - TECHNOLOGY

SECOND FLOOR PLAN NEW WORK - TECHNOLOGY

CAMPUS KEY PLAN

STATE OF MISSOURI
MICHAEL L. PARSON,
GOVERNOR

 eyeliner PROFESSIONAL
BR INC
CONSULTING ENGINEERS
304 S Geyer Rd
St. Louis, MO 63127
PHONE: 314-723-8889
MISSOURI CERTIFICATE OF AUTHORITY 0001186

MSD PROJECT #: 19MSD-00389
BASEMAP: 11F4
OFFICE OF ADMINISTRATION
DIVISION OF FACILITIES MANAGEMENT, DESIGN AND CONSTRUCTION
DEPARTMENT OF ELEMENTARY & SECONDARY EDUCATION

MISSOURI SCHOOL FOR THE BLIND
5815 Magnolia Avenue
St. Louis, MO

PROJECT #: 81709-01
ASSET #: 501201(0003), 501201(0004)

REVISION:
ISSUE DATE:

CAD DWG FILE:

SHEET TITLE:
SECOND FLR PLAN TECHNOLOGY
SHEET NUMBER:
T-104
% OF SHEETS:
1/3
NOTES:
1. Junction boxes shall be compatible with control, wiring, and conduits listed below:
   - CONTROL: RAYCHEM® NM-24-A19-020000-R-0
   - WIRING: RAYCHEM® NM-24-A6-A00000-R-0
   - CONDUIT: RAYCHEM® NM-24-A8-A00000-R-0
2. JUNCTION BOXES SHALL BE OF POLYMER MATERIALS AND DESIGNED TO WITHSTAND EXTERNAL IMPACTS.
3. CONDUIT SHALL BE OF POLYMER MATERIALS AND DESIGNED TO WITHSTAND EXTERNAL IMPACTS.
4. TERMINAL BLOCKS FOR WIRING SHALL BE OF POLYMER MATERIALS AND DESIGNED TO WITHSTAND EXTERNAL IMPACTS.

WALL MOUNT CAMERA

ACCESS CONTROL AND INTERCOM GATE PEDESTALS

NOTES:
1. POTENTIAL SOURCES SHALL BE LOCATION-SPECIFIC, CONFORMING TO THE LOCAL ELECTRICAL CODE.
2. INTERCOM SYSTEMS SHALL BE CONNECTED TO THE SECURITY SYSTEM AND APPEAL TO LOCAL BUILDING CODES.
3. INTERCOM SYSTEMS SHALL BE CONNECTED TO THE SECURITY SYSTEM AND APPEAL TO LOCAL BUILDING CODES.
4. POTENTIAL SOURCES SHALL BE LOCATION-SPECIFIC, CONFORMING TO THE LOCAL ELECTRICAL CODE.

ACCESS CONTROL SINGLE DOOR

ACCESS CONTROL DOUBLE DOOR

NOTE:
1. POTENTIAL SOURCES SHALL BE LOCATION-SPECIFIC, CONFORMING TO THE LOCAL ELECTRICAL CODE.