



DURRELL DESIGN GROUP, PLLC

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JACKSON, MISSISSIPPI 39216

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ADDENDUM NUMBER THREE (3)

BASEBALL PAVILION REPAIRS
MISSISSIPPI VALLEY STATE UNIVERSITY
ITTA BENA, MISSISSIPPI



May 20, 2022

TITLE SHEET	1
ADDENDUM	2
ATTACHMENTS	12
TOTAL NUMBER OF PAGES	15

THIS ADDENDUM, WHICH CONTAINS REVISIONS TO THE WORK CONTAINED IN THE ORIGINAL DRAWINGS AND SPECIFICATIONS DATED **MARCH 20, 2022** SHALL BECOME A PART OF SUCH DRAWINGS AND SPECIFICATIONS AS IF BOUND THEREIN, OTHER REQUIREMENTS OF DRAWINGS AND SPECIFICATIONS RELATING TO ITEMS INVOLVED SHALL REMAIN AS SPECIFIED.

THE ABOVE-NAMED CONTRACT DOCUMENTS ARE HEREBY MODIFIED, CORRECTED AND/OR SUPPLEMENTED BY THIS ADDENDUM AS FOLLOWS:

PERTAINING TO ADDENDUM 01:

Item 1: SECTION 00 11 00 ADVERTISEMENT FOR BIDS

The Bid Opening will be modified from **May 25, 2022 to June 22, 2022 at 2:00PM** and will be held at the Office of Purchasing, 14000 Highway 82 West, Itta Bena, Mississippi 38941, Telephone: 662.254.3320. Electronic Bids may also be submitted via MAGIC.

PERTAINING TO THE SPECIFICATION:

Item 2: SPECIFICATION SECTION

1. **ADD** The Attached Specification Section 10 72 00 ALUMINUM CANOPIES.

PERTAINING TO THE DRAWINGS:

Item 3: CIVIL DRAWINGS

1. **DELETE** Sheet C200A in its entirety and **REPLACE** with Attached C200A.
2. **DELETE** Sheet C200B in its entirety and **REPLACE** with Attached C200B.
3. **DELETE** Sheet C300 in its entirety and **REPLACE** with Attached C300.
4. **ADD** Attached Sheet C301

Item 4: SHEET S302 STEEL DETAILS

1. **DELETE** Sheet S302 in its entirety and **REPLACE** with Attached S302R.

Item 5: ARCHITECTURAL DRAWINGS

1. **ADD** Attached Sheet SUP01 ALUMINUM CANOPY DETAILS.
2. **ADD** Attached Sheet SUP02 ALUMINUM CANOPY DETAILS.

Item 6: ELECTRICAL DRAWINGS

1. **DELETE** Sheet E001 in its entirety and **REPLACE** with Attached E001R.
2. **DELETE** Sheet E201 in its entirety and **REPLACE** with Attached E201R.

3. **DELETE** Sheet E202 in its entirety and **REPLACE** with Attached E202R.
4. **DELETE** Sheet E301 in its entirety and **REPLACE** with Attached E301R.

END OF ADDENDUM

DRAFT

SECTION 10 72 00 ALUMINUM CANOPIES

Part 1: General

1.1 Description of Work

- A. Work in this section includes furnishing and installation of extruded aluminum walkway canopies or extruded aluminum wall-supported canopies as manufactured by Mapes Industries Inc.
- B. Related Items and Considerations
 - 1. Concrete for canopy footings. Footing block outs for post-supported units provided by manufacturer to be installed as part of concrete work.
 - 2. Flashing may be needed for wall-mounted units.
 - 3. Ensure adequate wall condition to carry canopy loads where required.
 - 4. Consider water drainage away from canopy where necessary.
 - 5. Any necessary removal or relocation of existing structures, obstructions or materials.

1.2 Quality Assurance

- A. Products meeting these specifications establish a standard of quality required as manufactured by Mapes Industries, Inc. Lincoln, Nebraska 1-888-273-1132.

1.3 Field Measurement

- A. Confirm dimensions prior to preparation of shop drawings when possible.
- B. If requested, supply manufacturer's standard literature and specifications for canopies.
- C. Submit shop drawings showing structural component locations/positions, material dimensions and details of construction and assembly.

1.4 Performance Requirements

- A. Canopy must conform to local building codes.
- B. Determine if specific load requirements have been established for canopies and if stamped calculations are required for location in which canopy is installed.

1.5 Deliver, Storage, Handling

- A. Deliver and store all canopy components in protected areas.

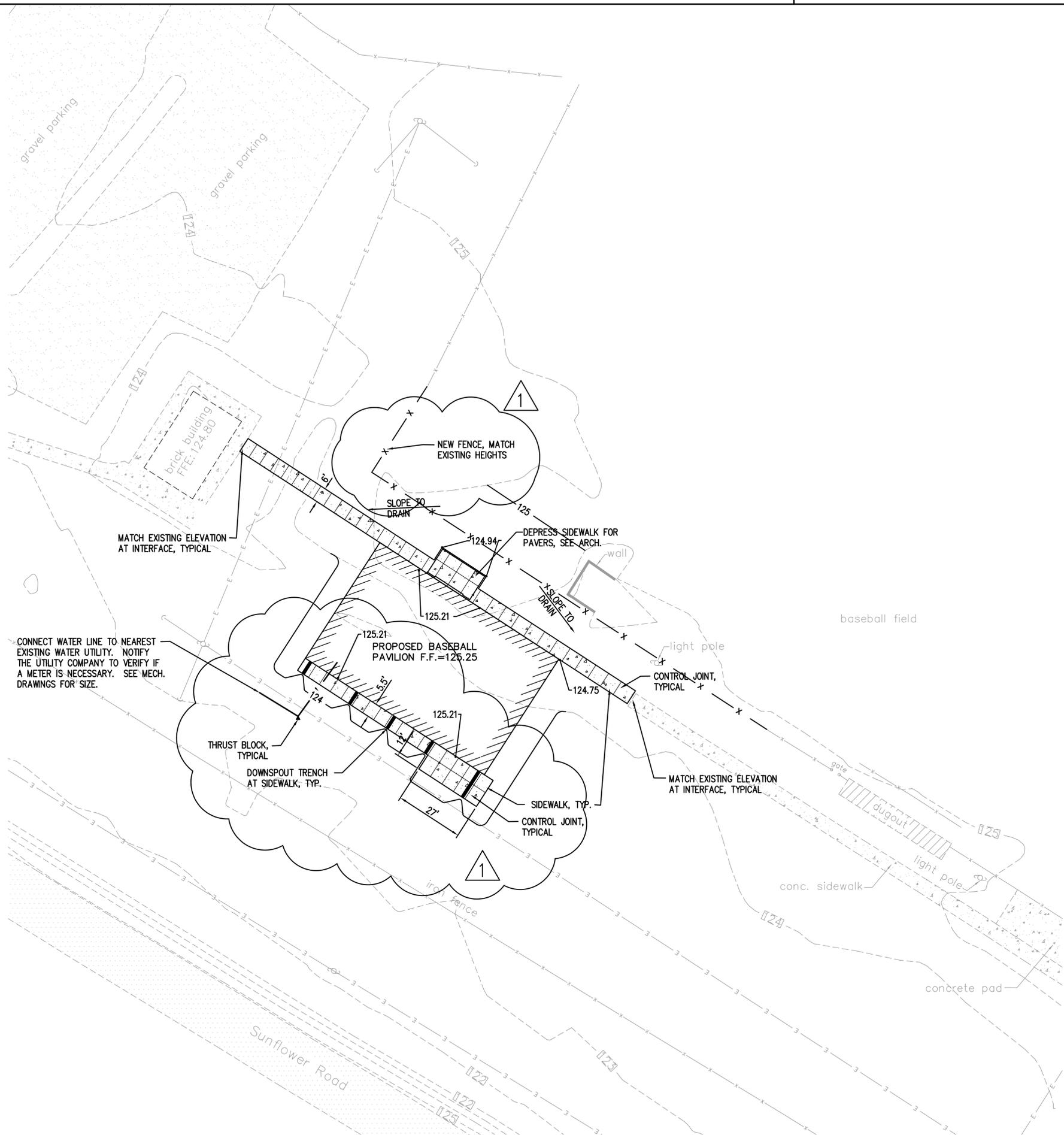
Part 2: Products

2.1 Manufacturer

- A. Basis of Design: Mapes Canopies
Lincoln, Nebraska Phone: 1-888-273-1132. Fax: 1-877-455-6572.
- B. Substitutions: Section 01630 (01 6000) - Substitutions and Product Options.
- 2.2 Materials
 - A. Decking, beams, posts and fascia shall be extruded aluminum, alloy 6063-T6, in profile and thickness shown in current Mapes brochures.
- 2.3 Finishes
 - A. Standard factory options are clear anodized or bronze anodized, or white baked enamel or bronze baked enamel.
 - B. Optional finishes include standard two-coat Kynar colors.
- 2.4 Fabrication
 - A. Support columns and gutter beams shall be designed such that the columns will be notched to create a "saddle" that will receive and secure the gutter beams.
 - B. Post and beams shall be mechanically assembled utilizing 3/16" fasteners with a minimum shear stress of 350 lb. Pre-welded or factory-welded connections are not acceptable.
 - C. Decking shall be designed with interlocking extruded aluminum members with mechanical fasteners field applied to provide structural integrity for the completed assembly.
 - D. Concealed drainage. Water shall drain from covered surfaces into integral gutter beam and be directed to ground level discharge via one or more designated support posts.

Part 3: Execution

- 3.1 Inspection
 - A. Confirm that surrounding area is ready for the canopy installation.
 - B. Installer shall confirm dimensions and elevations to be as shown on drawings provided by Mapes Industries.
 - C. Erection shall be performed by an approved installer and scheduled after all concrete, masonry and roofing in the area is completed
- 3.2 Installation
 - A. Installation shall be in strict accordance with manufacturer's shop drawings. Particular attention should be given to protecting the finish during handling and erection.
- 3.3 After installation, entire system shall be left in a clean condition.



LEGEND

NEW	EXISTING	DESCRIPTION
		BUILDING
		ASPHALT PAVEMENT
		CONCRETE PAVEMENT
		CONCRETE SIDEWALK
		UTILITY POLE
		FENCE
		ELECTRICAL LINE

SITE, GRADING, AND DRAINAGE PLAN
 SCALE: 1" = 20'

- NOTES:**
1. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS AND PAYING ALL APPLICABLE FEES REQUIRED FOR CONSTRUCTION PURPOSES AND UTILITY HOOKUPS.
 2. ALL DISTURBED AREAS NOT RECEIVING PAVEMENT OR LANDSCAPING SHALL BE GRASSED UNLESS NOTED TO BE SODDED.
 3. CONCRETE SIDEWALKS SHALL BE 4" THICK UNLESS NOTED OTHERWISE.
 4. GRADES SHOWN ARE FINISH GRADES. ROUGH GRADES SHALL ALLOW FOR TOP SOIL, SOD, MULCH, ETC. WHERE APPLICABLE.
 5. MANHOLE RING AND COVERS, VALVE BOXES, METER BOXES, C.O., ETC. TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE.

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Project
GS# 106-270 BASEBALL PAVILION REPAIRS
MISSISSIPPI VALLEY STATE UNIVERSITY
14000 US-82 ITTA BENA, MS 38941
 SCHEMATIC DESIGN PHASE

Project Number: 20.012
 Date: 2022.03.17
 Drawn by: KSM
 Checked by: KSM
 Revisions
 1 5-19-22
 2
 3

SITE, GRADING,
 AND DRAINAGE
 PLAN - BASE BID

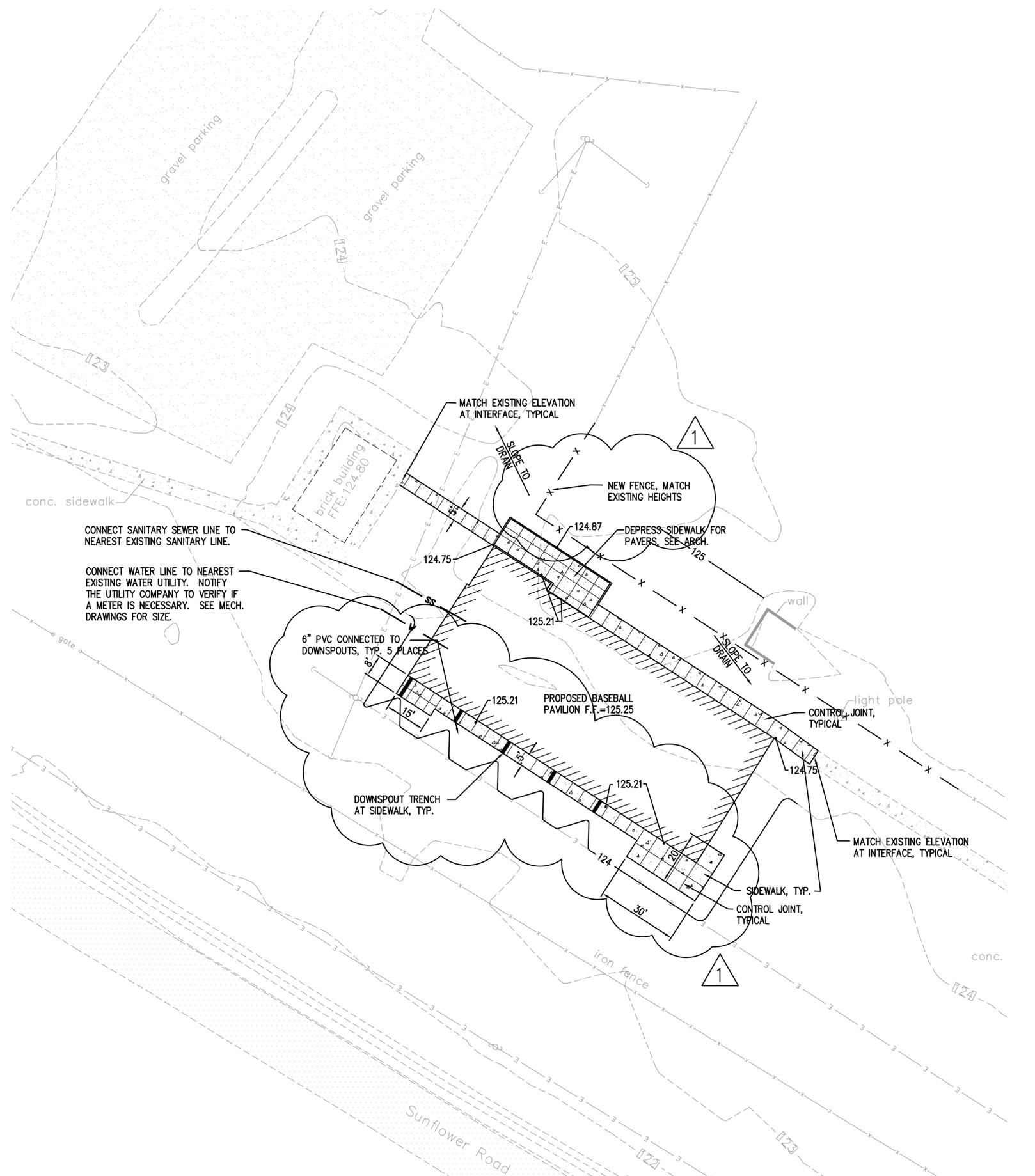
Sheet Number Designer of Tot



SE #21021

Spencer-Engineers, Inc.
 Consultants
 P.O. BOX 4328 JACKSON, MS 39216
 (601) 982-7788

C200A



CONNECT SANITARY SEWER LINE TO NEAREST EXISTING SANITARY LINE.

CONNECT WATER LINE TO NEAREST EXISTING WATER UTILITY. NOTIFY THE UTILITY COMPANY TO VERIFY IF A METER IS NECESSARY. SEE MECH. DRAWINGS FOR SIZE.

LEGEND

NEW	EXISTING	DESCRIPTION
		BUILDING
		ASPHALT PAVEMENT
		CONCRETE PAVEMENT
		CONCRETE SIDEWALK
		UTILITY POLE
		FENCE
		ELECTRICAL LINE

SITE, GRADING, AND DRAINAGE PLAN
 SCALE: 1" = 20'

- NOTES:
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 - MANHOLE RING AND COVERS, VALVE BOXES, METER BOXES, C.O., ETC. TO REMAIN SHALL BE ADJUSTED TO FINISH GRADE.

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SITE, GRADING, AND DRAINAGE PLAN - ALT. BID

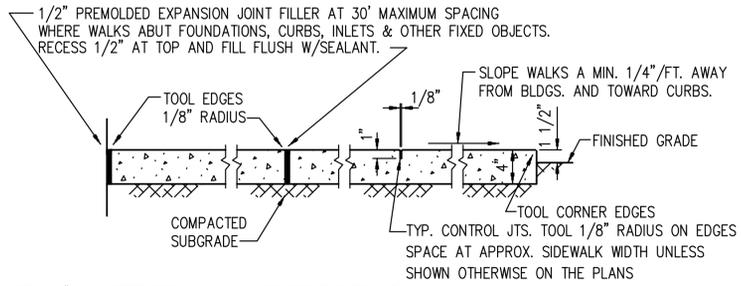
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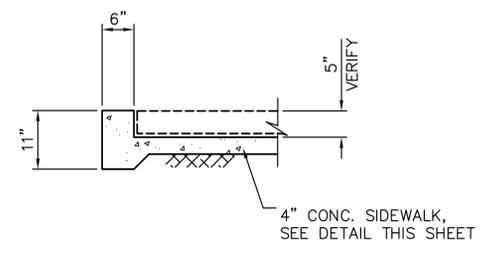
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C200B



NOTE: 4" CONCRETE SIDEWALK SHALL BE REINFORCED WITH FIBER REINFORCEMENT, SIMILAR AND EQUAL TO FIBERMESH 1.5 POUNDS PER CUBIC YARD.

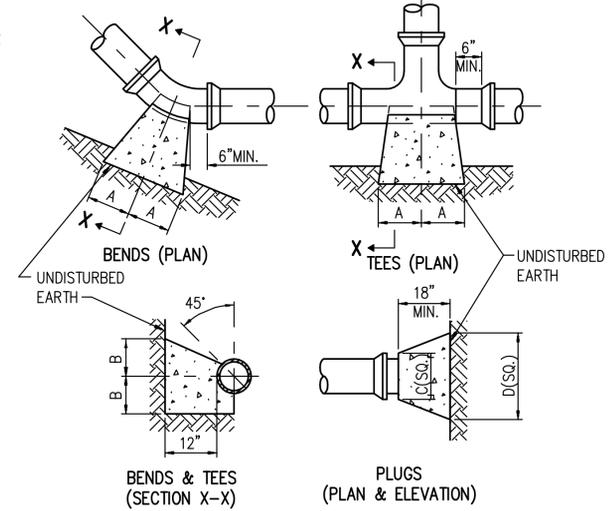
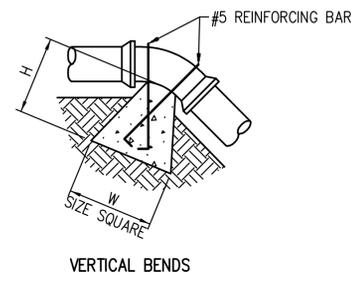
SIDEWALK DETAIL
NO SCALE



BRICK PAVER DEPRESSION DETAIL
NO SCALE

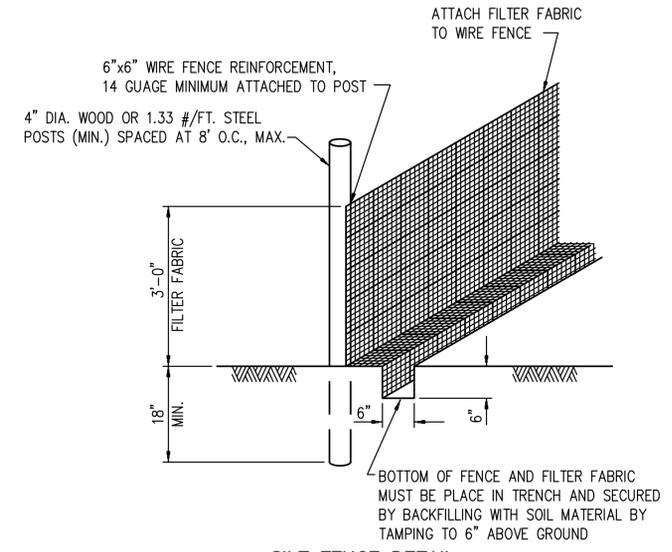
SIZE	1/8 BENDS		1/16 BENDS		1/32 BENDS	
	W	H	W	H	W	H
4" - 6"	42"	42"	36"	36"	30"	30"
8"	54"	54"	42"	42"	36"	36"
10"	60"	60"	48"	48"	42"	42"
12"	66"	66"	54"	54"	48"	48"

SIZE	1/4 BENDS		1/8 BENDS		1/16 BENDS		TEES		PLUGS	
	A	B	A	B	A	B	A	B	C	D
6" & BELOW	16"	10"	9"	10"	6"	8"	10"	12"	10"	21"
8"	22"	13"	12"	13"	8"	10"	13"	16"	12"	29"
10"	26"	18"	16"	15"	10"	12"	15"	20"	14"	36"
12"	30"	20"	20"	17"	11"	14"	17"	24"	18"	40"

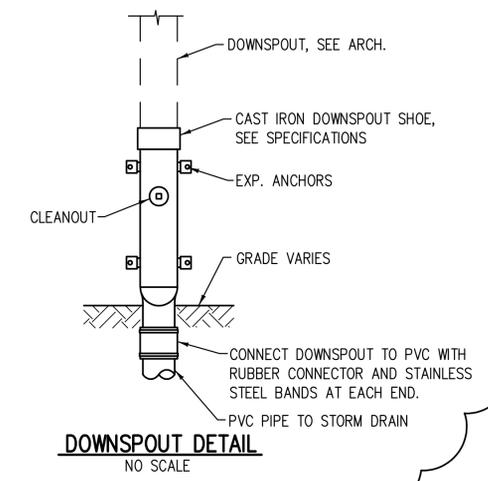
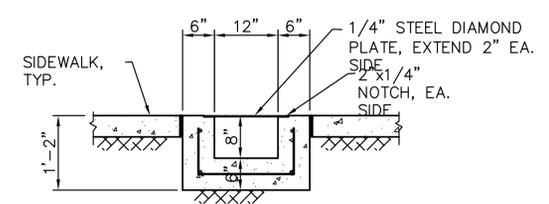
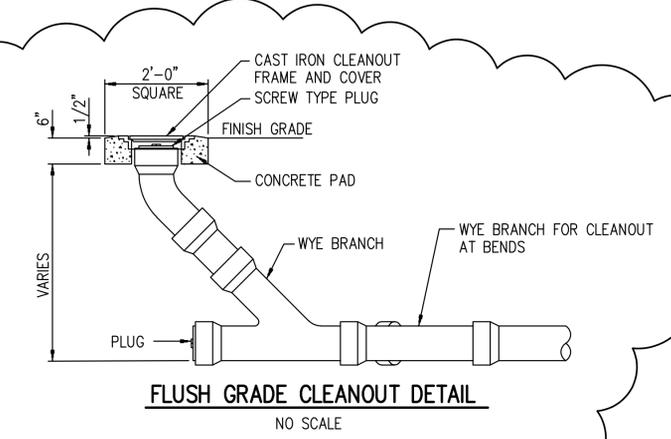
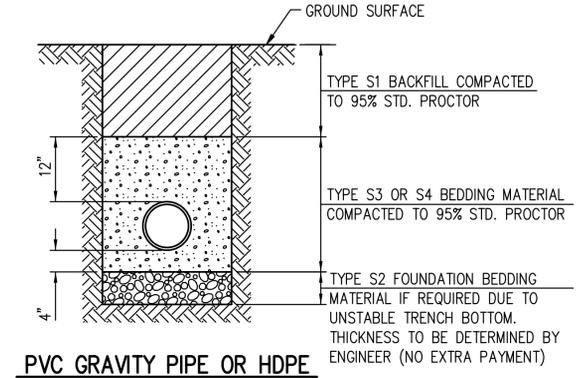


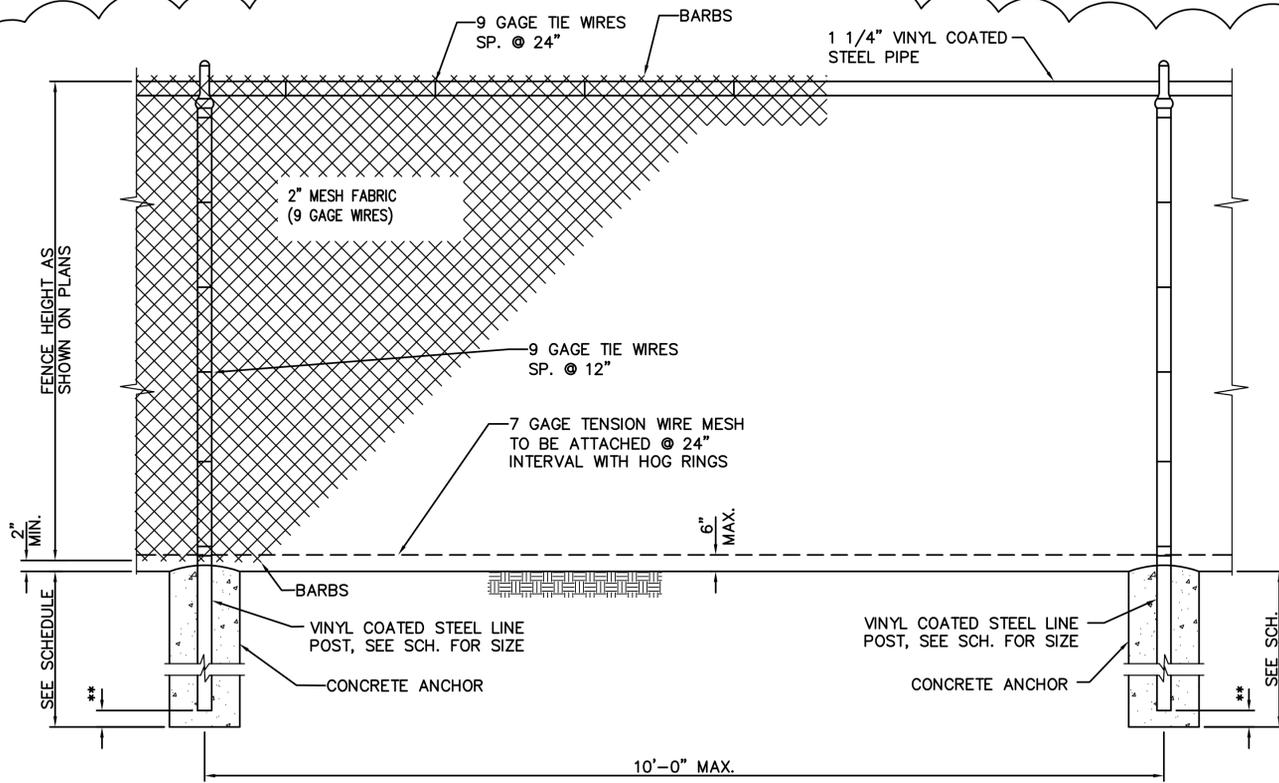
THRUST BLOCKS FOR PRESSURE MAINS
NO SCALE

NOTE: SILT FENCE SHOULD BE INSPECTED AFTER EACH RAINFALL AND SEDIMENT DEPOSITS MUST BE REMOVED WHEN THEY REACH 1/4 HEIGHT OF FENCE.

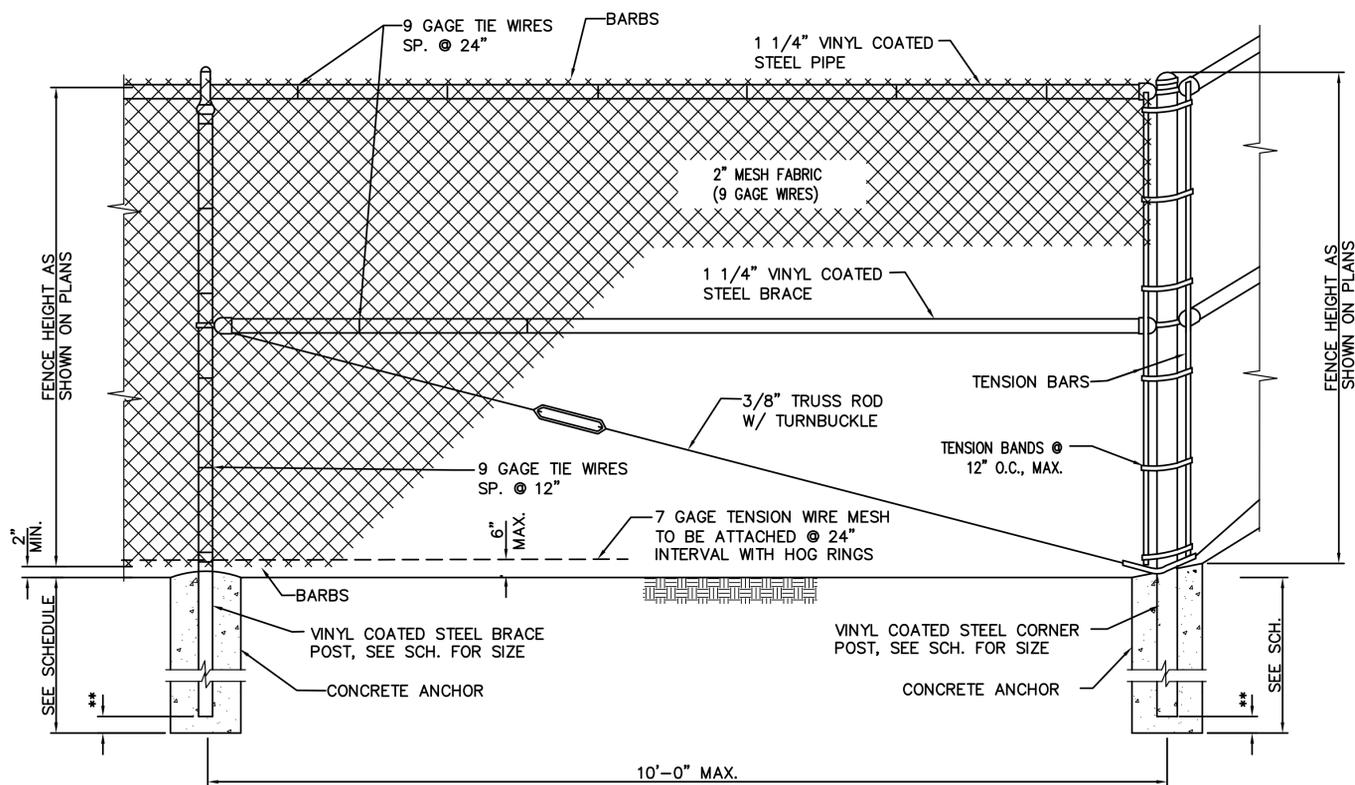


SILT FENCE DETAIL



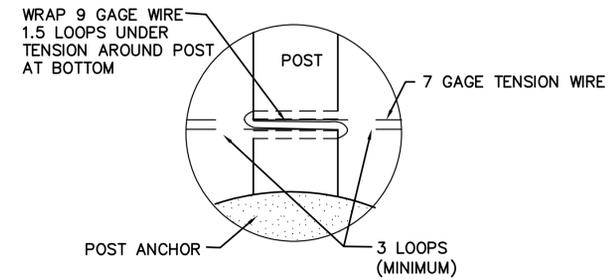


LINE BAY



CORNER BAY

1



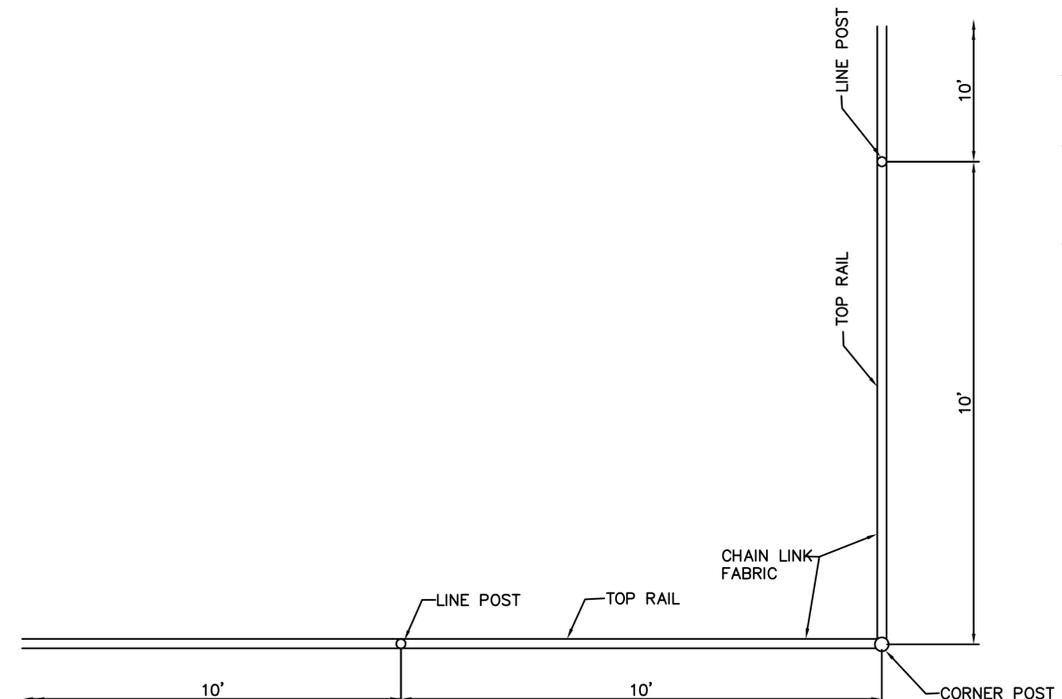
TENSION WIRE TIE DETAIL

** = HOLE DEPTH - POST DEPTH

FENCE HEIGHT	POST TYPES	MINIMUM POST SIZE			MIN. ANCHOR SIZE		
		ROUND	"H" BEAM	"C" BEAM	HOLE DIA.	HOLE DEPTH	POST DEPTH
		NPS (I.D.)	SIZE	SIZE			
6' THRU 12'	LINE	2 1/2"			8"	38"	34"
6' THRU 12'	END, CORNER & BRACE	2 1/2"			12"	44"	40"

GENERAL NOTES:

1. PIPE SIZES SHOWN FOR POSTS, BRACES, AND RAILS ARE NOMINAL INSIDE DIAMETERS
2. ALL FENCE COMPONENTS SHALL BE VINYL COATED TO MATCH EXISTING FENCE.



PLAN SHOWING PLACEMENT OF FENCE



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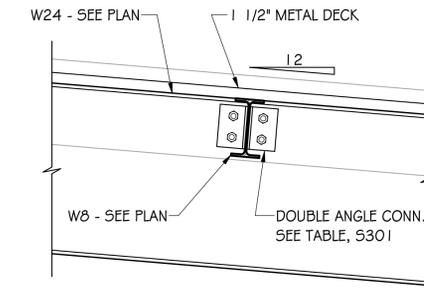
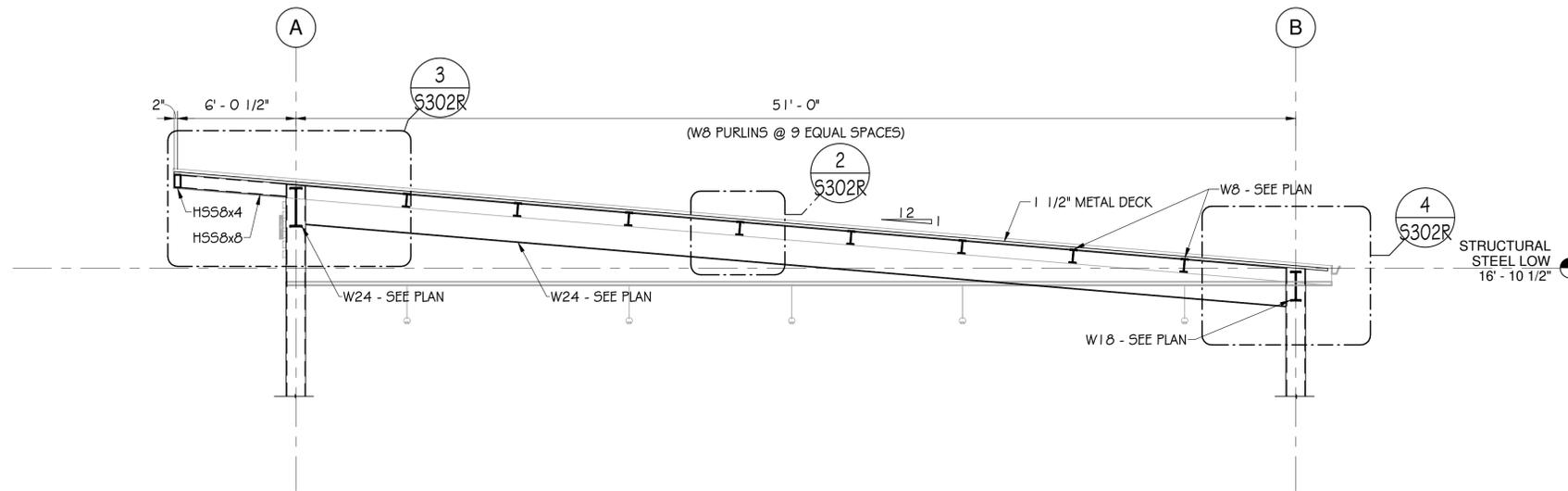
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Project Number: 20.012
 Date: 2022.03.17
 Drawn by: KSM
 Checked by: KSM
 Revisions
 1 5-19-22
 2
 3

SITE DETAILS

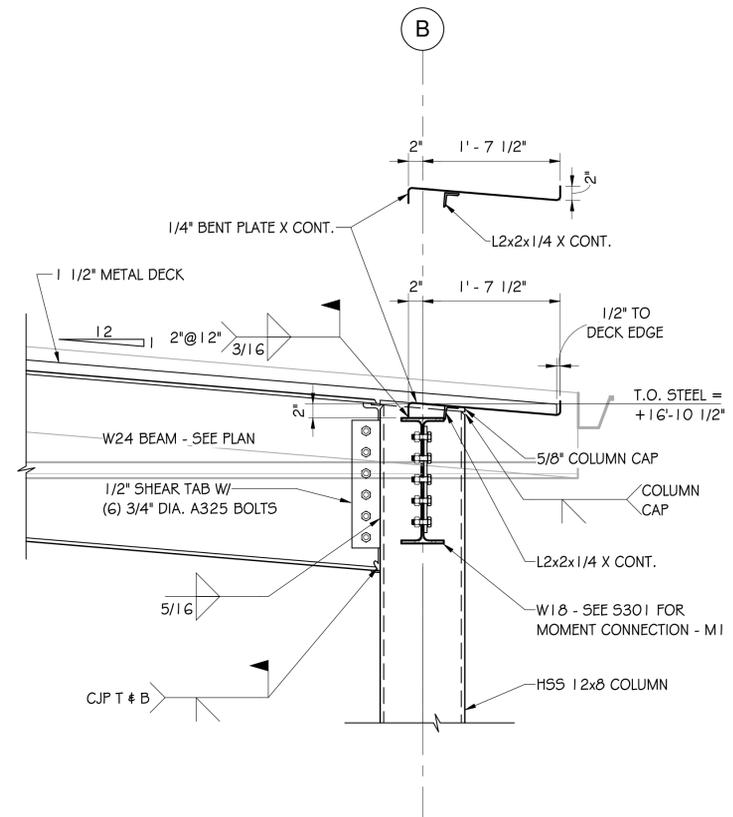
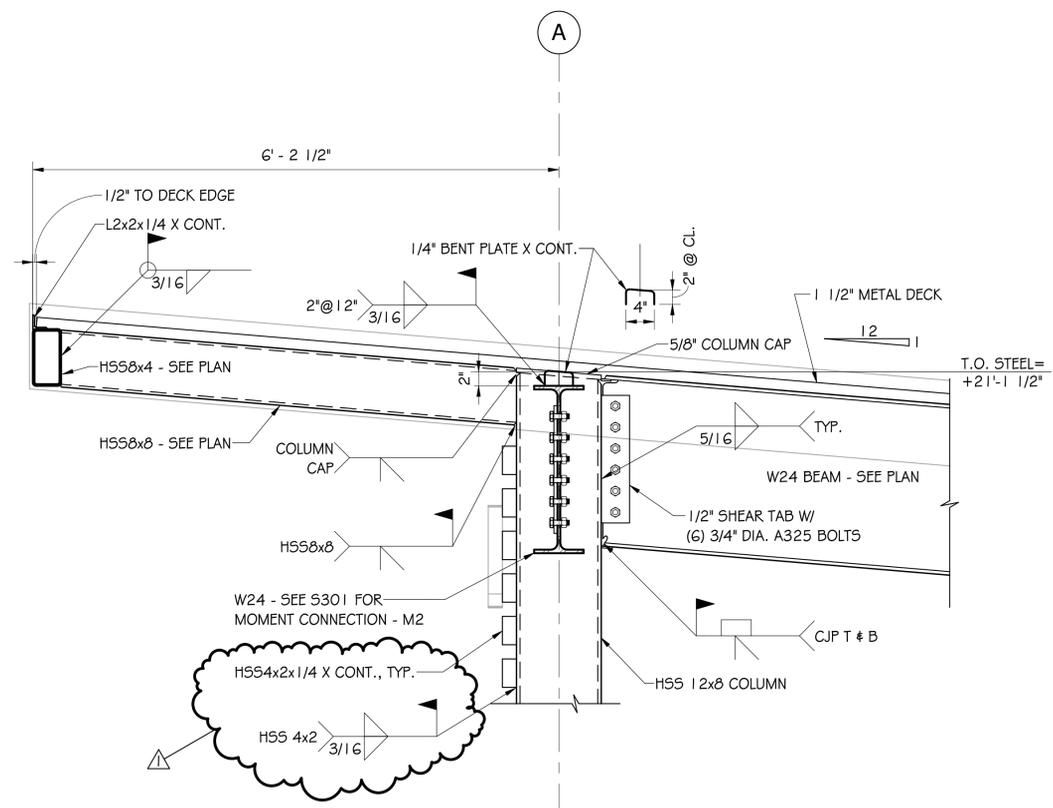
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C301



1
5302R 1/4" = 1'-0"

2
5302R 1" = 1'-0"



3
5302R 1" = 1'-0"

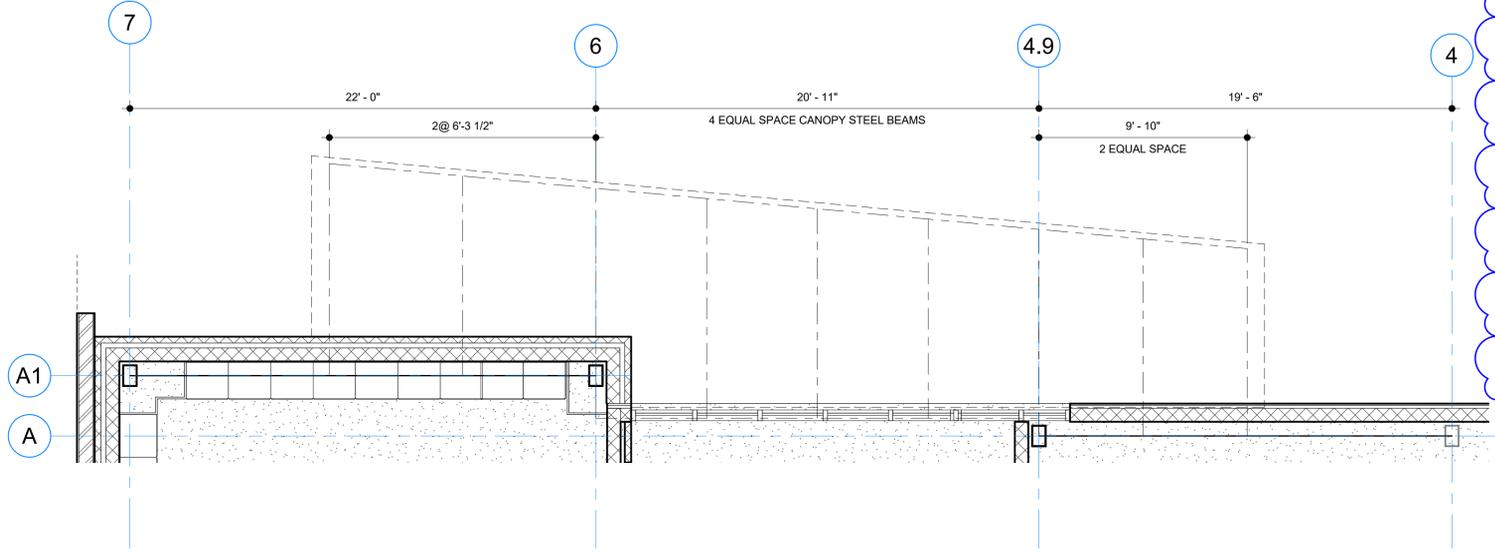
4
5302R 1" = 1'-0"



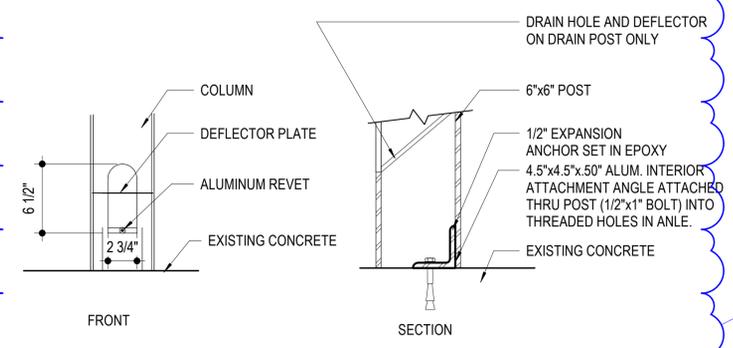
Project Number: 20.012
 Date: 2022.04.25
 Drawn by: MMD
 Checked by: HGD

Revisions	Date
1	05-17-22
2	
3	

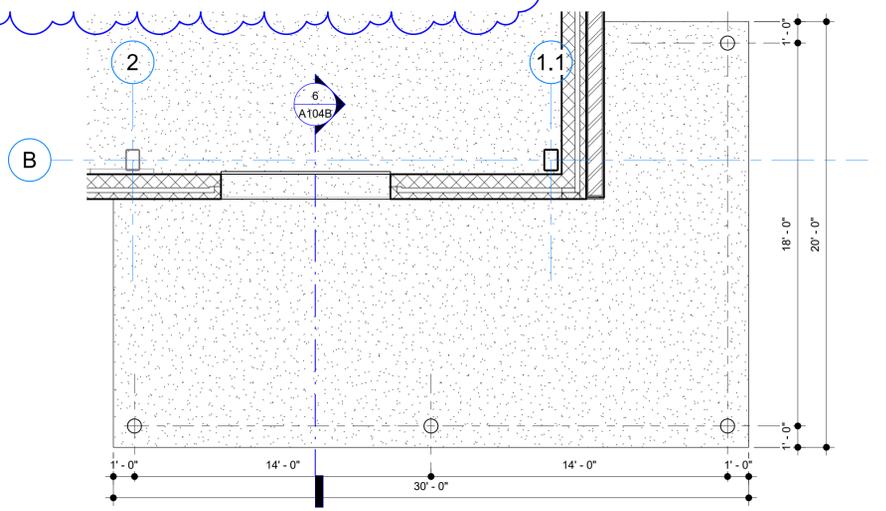
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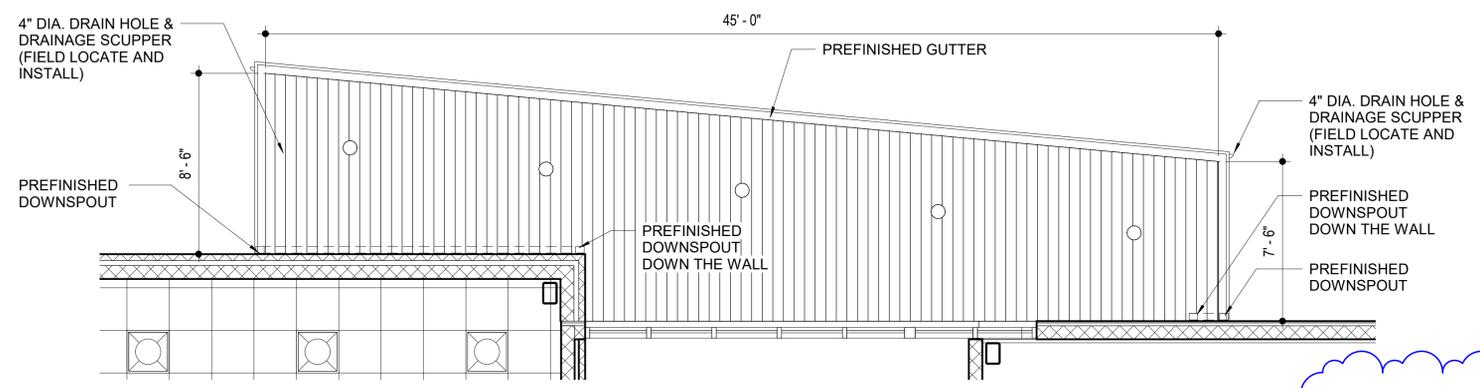
1 CANOPY FRAMING PLAN
A101B | A104B 1/4" = 1'-0"



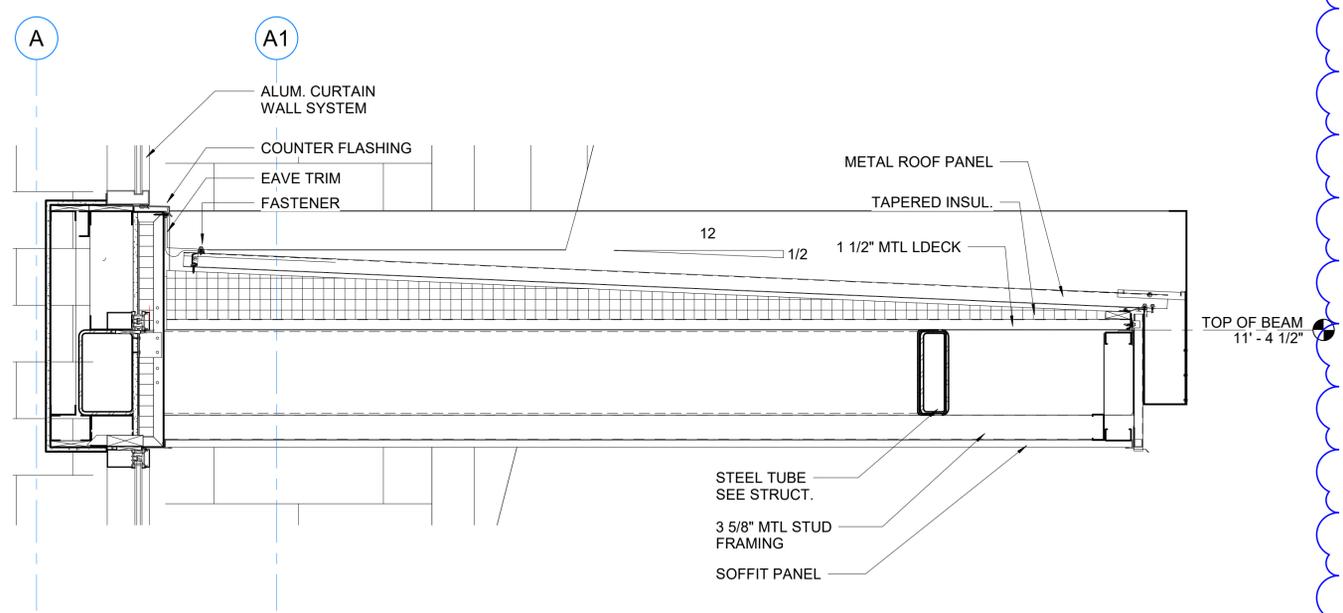
4 ALUMINUM CANOPY DETAILS
A104B 1 1/2" = 1'-0"



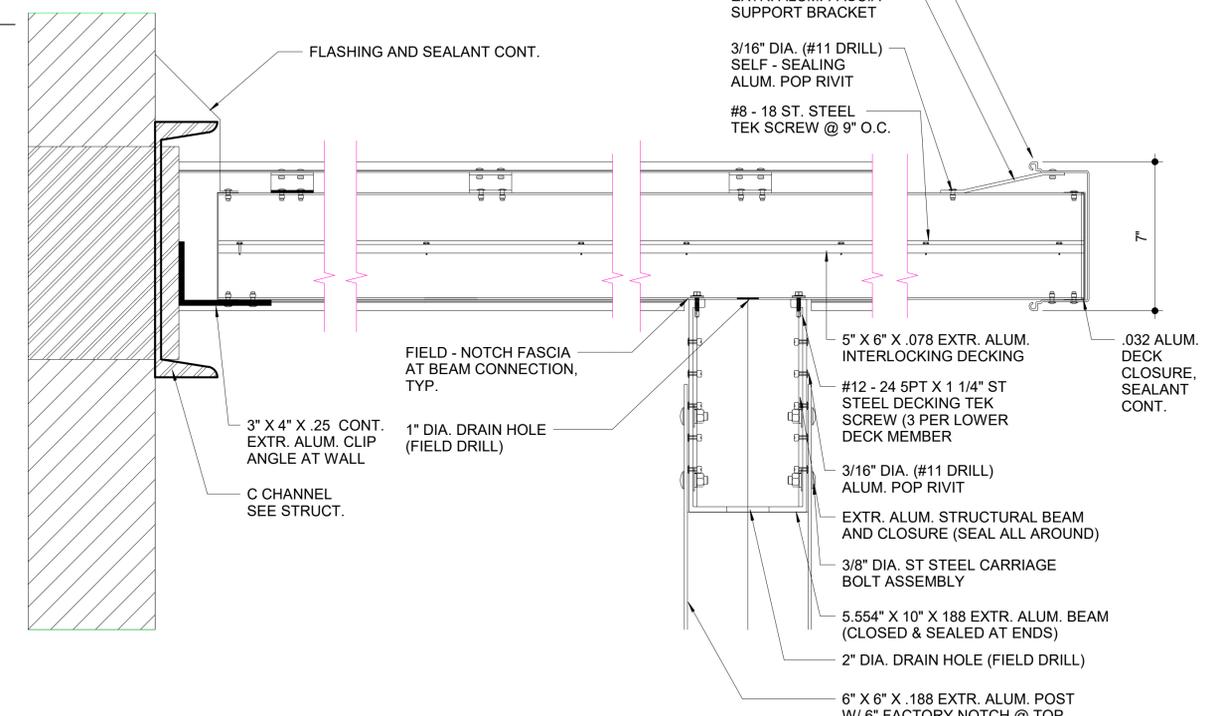
5 ALUMINUM CANOPY PLAN
A101B | A104B 1/4" = 1'-0"



2 CANOPY SOFFIT PLAN
A101B | A104B 1/4" = 1'-0"



3 SECTION DETAIL
A301B | A104B 1" = 1'-0"



6 ALUMINUM CANOPY DETAIL
A104B 3" = 1'-0"

GENERAL NOTES

- METAL CANOPY SYSTEM SIZE ARE AS INDICATED ON PLANS. THIS SYSTEM IS A CANTILEVER SYSTEM. SEE ROOF PLAN FOR ADDITIONAL INFORMATION AND DETAIL.
- SEE A201 FOR COLOR INFORMATION.
- METAL CANOPY SUPPORTS AND BUILDING ATTACHMENTS ARE TO BE DESIGNED PER THE MANUFACTURE'S RECOMMENDATIONS.



Project Number: 20.012
Date: 2022.03.17
Drawn by: AE
Checked by: GD

Revisions	Date
1	2022.05.20
2	
3	

LIGHTING FIXTURE SCHEDULE						
VOLTS	SYMBOL	WATTS	DESCRIPTION	MANUFACTURER	CAT. NO.	MOUNTING
120/277	A	LED	INDUSTRIAL LED VAPORTIGHT, 48", 6000 LUMENS, 3500K, 50W, SYMMETRIC DISTR., POLYCARBONATE IMPACT-RESISTANT HOUSING & FROSTED LENS, S.S. LATCHES	LITHONIA LTG.	FEM-L48-6000LM-LPPFL-MD-GZ10-35K-80CRI-STSL	CEILING OR AS NOTED
120/277	B	LED	LED FLAT PANEL, 2'X4', 4000 DELIVER LUMENS, 3500K, 39W, 1% 0-10V DIMMING DRIVER	LITHONIA LTG.	EPANL-24-40L-35K	RECESSED AT CEILING
120/277	BE	LED	LED FLAT PANEL, 2'X4', 4000 DELIVER LUMENS, 3500K, 39W, 1% 0-10V DIMMING DRIVER, INTEGRAL EMERGENCY BATTERY PACK	LITHONIA LTG.	EPANL-24-40L-35K-E10WCP	RECESSED AT CEILING
120/277	B1	LED	LED FLAT PANEL, 1'X4', 4800 DELIVER LUMENS, 3500K, 45W, 1% 0-10V DIMMING DRIVER	LITHONIA LTG.	EPANL-14-48L-35K	RECESSED AT CEILING
120/277	C	LED	LED FLAT PANEL, 2'X2', 4000 DELIVER LUMENS, 3500K, 25W, 1% 0-10V DIMMING DRIVER	LITHONIA LTG.	EPANL-22-40L-35K	RECESSED AT CEILING
120/277	D	LED	LED OPEN DOWNLIGHT, 6" APERTURE, SPEC-GRADE, 1500 LUMENS, 3500K, 20W, 0-10V 1% DIMMING DRIVER	LITHONIA LTG.	LDN6-35/15-L06-AR-LSS-GZ1	RECESSED AT CEILING
120/277	D1	LED	LED OPEN DOWNLIGHT, 6" APERTURE, SPEC-GRADE, 1000 LUMENS, 3500K, 18W, 0-10V 1% DIMMING DRIVER	LITHONIA LTG.	LDN6-35/10-L06-AR-LSS-GZ1	RECESSED AT CEILING
-	E	-	NOT USED	-	-	-
120/277	F	LED	RECESSED LINEAR LED LUMINAIRE, 4'X16', 3500K, 39W, 1% 0-10V DIMMING DRIVER	LITHONIA LTG.	EPANL-24-40L-35K	RECESSED AT CEILING
120/277	G	LED	SURFACE LED LUMINAIRE, 12"X48", VANDAL RESISTANT, 5000 LUMENS, 3500K, 45W, 1% 0-10V DIMMING DRIVER, ROUND END CAPS, PEARLESCENT POLYCARB. LENS, STANDARD FINISH PER ARCH.	KENALL LTG.	MLHA12-48-R-XX-PP-45L35K-DCC-1-DV	CEILING OR AS NOTED
120/277	GE	LED	SURFACE LED LUMINAIRE, 12"X48", VANDAL RESISTANT, 5000 LUMENS, 3500K, 45W, 1% 0-10V DIMMING DRIVER, ROUND END CAPS, PEARLESCENT POLYCARB. LENS, EMERGENCY BATT. PACK, STD. FINISH PER ARCH.	KENALL LTG.	MLHA12-48-R-XX-PP-45L35K-DCC-1-DV-PEL	CEILING OR AS NOTED
120/277	F	LED	RECESSED LINEAR LED LUMINAIRE, 4" X 16", 875LM/FT, 8W/FT, 3500K, EXTRUDED ALUM. HOUSING, FLUSH SATIN LENS	FOCAL POINT LTG.	FSM4L-FL-875LF-35K-1C-L11-XX-WH-16"	RECESSED AT CEILING
120/277	H	LED	DECO. LED WALL BRACKET LUMINAIRE, 24", 800 LUMENS, 3500K, 8W, 1% 0-10V DIMMING DRIVER	LITHONIA LTG.	WL2-08L-EZ1-LP835	WALL ABOVE DOOR OR AS INDICATED
-	I --- W	-	NOT USED	-	-	-
120/277	J	LED	RECESSED LINEAR LED LUMINAIRE, ASYMMETRIC, 4'X10', 875LM/FT, 8W/FT, 3500K, EXTRUDED ALUM. HOUSING, FLUSH FROSTED LENS	FOCAL POINT LTG.	FSM4AL-FFL-875LF-35K-1C-L11-XX-WH-10"	RECESSED AT CEILING FOR LOGO LTG.
-	K --- W	-	NOT USED	-	-	-
120/277	X1	LED	EXIT SIGN, LED, SINGLE FACE, BRUSHED ALUM. FACE, BLACK HOUSING, ARROWS AS INDICATED, UNIVERSAL MOUNTING, NI-CAD EMERGENCY BATTERY PACK	LITHONIA LTG.	LQC-1R-ELN	WALL/CEILING AS INDICATED
120/277	X2	LED	LED EMERGENCY LIGHT, DUAL ADJUSTABLE HEADS, WHITE HOUSING, UNIVERSAL MOUNTING, LITHIUM-ION EMERGENCY BATTERY PACK	LITHONIA LTG.	-	WALL/CEILING AS INDICATED
-	Y--Z	-	NOT USED	-	-	-
120/277	AA	LED	O.D. LED OPEN DOWNLIGHT, 6" APERTURE, SPEC-GRADE, 1500 LUMENS, 3500K, 20W, 0-10V 1% DIMMING DRIVER	LITHONIA LTG.	LDN6-35/15-L06-AR-LSS-GZ1	RECESSED AT SOFFIT
120/277	BB	LED	OUTDOOR DECO. LED WALL BRACKET, DIE-CAST ALUM. HOUSING, FULL CUT-OFF DISTR., 3000 LUMENS, 25W, 4000K, STD. FINISH PER ARCH.	LITHONIA LTG.	ARC1LED-P3-40K-XXX	EXT. WALL C.L. 8'-6" A.F.F.
120/277	CC	LED	O.D. LED OPEN DOWNLIGHT, 6" APERTURE, SPEC-GRADE, 2500 LUMENS, 3500K, 30W, 0-10V 1% DIMMING DRIVER	LITHONIA LTG.	LDN6-35/25-L06-AR-LSS-GZ1	RECESSED AT SOFFIT

ELECTRICAL SYMBOLS LEGEND	
	<p>EQUIPMENT POWER CONNECTIONS</p> <p>EQUIPMENT ELECTRICAL SERVICE CONNECTION MARK. SEE EQUIPMENT ELEC. SERVICE SCHEDULE FOR BRANCH CIRCUIT & CONNECTION REQUIREMENTS, LOCATION SHOWN IS APPROXIMATE & REPRESENTATIVE.</p> <p>BRANCH CIRCUIT & POWER CONNECTION TO ELECTRIC MOTOR, PROVIDE & CONNECT THRU PROPER DISCONNECT SWITCH ADJACENT TO UNIT, LOCATION SHOWN IS APPROXIMATE, CIRCUIT DESIGNATION.</p> <p>BRANCH CIRCUIT & POWER CONNECTION TO EXHAUST FAN, INSTALL & CONNECT THRU CONTROL DEVICE & INTEGRAL DISCONNECT SWITCH, LOCATION SHOWN IS APPROXIMATE, CIRCUIT DESIGNATION.</p> <p>BRANCH CIRCUIT & POWER CONNECTION TO MOTORIZED DAMPER, PROVIDE & CONNECT THRU 20A1P MMS ADJACENT TO UNIT FOR DISCONNECT SWITCH, LOCATION SHOWN IS APPROXIMATE, CIRCUIT DESIGNATION.</p> <p>BRANCH CIRCUIT & POWER CONNECTION TO RECIRC. PUMP, PROVIDE & CONNECT THRU 20A1P MMS ADJACENT TO UNIT FOR DISCONNECT SWITCH, LOCATION SHOWN IS APPROXIMATE, CIRCUIT DESIGNATION.</p> <p>BRANCH CIRCUIT & POWER CONNECTION TO MOTORIZED DOOR, PROVIDE & CONNECT THRU 20A1P MMS ADJACENT TO UNIT FOR DISCONNECT SWITCH, INSTALL & CONNECT FURNISHED CONTROL STATION, LOCATION SHOWN IS APPROXIMATE, CIRCUIT DESIGNATION.</p>
	<p>ELECTRICAL GEAR</p> <p>BRANCH CIRCUIT PANELBOARD, SURFACE MOUNT, 208Y/120 VOLT SYSTEM.</p> <p>BRANCH CIRCUIT PANELBOARD, DOUBLE SECTION, SURFACE MOUNT, 208Y/120 VOLT SYSTEM.</p> <p>CIRCUIT BREAKER IN NEMA 1 ENCLOSURE, AMPERE RATING & NUMBER OF POLES AS INDICATED, SURFACE MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE.</p> <p>METER SOCKET & METER, NEMA 3R ENCLOSURE, SURFACE MOUNT C.L. UP 54" A.F.F.</p> <p>SWITCH, UNFUSED SAFETY DISCONNECT, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE.</p> <p>SWITCH, UNFUSED SAFETY DISCONNECT, NEMA 3R RATED, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE.</p> <p>SWITCH, FUSED SAFETY DISCONNECT, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, SURFACE MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE.</p> <p>SWITCH, FUSED SAFETY DISCONNECT, NEMA 3R RATED, AMPERE RATING, NUMBER OF POLES, PROPER VOLTAGE RATING FOR BRANCH CIRCUIT, MOUNT C.L. UP 54" A.F.F. UNLESS INDICATED OTHERWISE.</p>
	<p>TELECOMM. SYS. RACEWAYS & BOXES</p> <p>(1)-T-3/4" TELECOMMUNICATION RACEWAY SYSTEM CONDUIT, ROUTE CONCEALED ABOVE CEILING OR IN WALL, NUMBER OF CONDUITS, SIZE OF CONDUIT(S).</p> <p>(1)-T-3/4" TELECOMMUNICATION RACEWAY SYSTEM CONDUIT, ROUTE EXPOSED ON CEILING ONLY, NUMBER OF CONDUITS, SIZE OF CONDUIT(S).</p> <p>(1)-UT-3/4" TELECOMMUNICATION RACEWAY SYSTEM CONDUIT, ROUTE CONCEALED IN/UNDER FLOOR SLAB OR BELOW GRADE PER THE SPECS., NUMBER OF CONDUITS, SIZE OF CONDUIT(S).</p> <p>(1)-T-3/4" TELECOMMUNICATION RACEWAY SYSTEM HOMERUN TO DESIGNATED TELECOMMUNICATION BACKBOARD, ROUTE CONCEALED, NUMBER OF CONDUITS, SIZE OF CONDUIT(S).</p> <p>(1)-T-3/4" TELECOMMUNICATION RACEWAY SYSTEM HOMERUN TO DESIGNATED TELECOMMUNICATION BACKBOARD, ROUTE EXPOSED ON CEILING ONLY, NUMBER OF CONDUITS, SIZE OF CONDUIT(S).</p> <p>(1)-UT-3/4" TELECOMMUNICATION RACEWAY SYSTEM HOMERUN TO DESIGNATED TELECOMM. BACKBOARD, ROUTE CONCEALED IN/UNDER FLOOR SLAB OR BELOW GRADE PER THE SPECS., NUMBER OF CONDUITS, SIZE OF CONDUIT(S).</p> <p>TELECOMMUNICATION SYSTEM BACKBOARD, SIZE AS NOTED, 3/4" PLYWOOD, LONG DIMENSION VERTICAL, TERMINATE ALL TELECOMMUNICATION SYSTEM HOMERUNS AT THIS POINT AND BUSH.</p> <p>TELECOMMUNICATION SYSTEM OUTLET & PLATE, 4" SQUARE BOX WITH PROPER DEPTH 1 GANG RAISED COVER, (1)-3/4" CONDUIT HOMERUN TO NEAREST TELECOMM. ROOM & BUSHED, FLUSH MOUNT C.L. UP 18" A.F.F. OR SAME HEIGHT AS ADJACENT POWER RECEPTACLE UNLESS INDICATED OTHERWISE.</p>
	<p>ABBREVIATIONS</p> <p>A.A.C. ADJACENT TO ANY SYMBOL DENOTES DEVICE/OUTLET INSTALLED ABOVE ACCESSIBLE CEILING.</p> <p>A.F.F. DENOTES "ABOVE THE FINISHED FLOOR".</p> <p>A.F.G. DENOTES "ABOVE THE FINISHED GRADE".</p> <p>B.F.G. DENOTES "BELOW THE FINISHED GRADE".</p> <p>ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR ELECTRIC DRINKING FOUNTAIN, VERIFY MOUNTING HEIGHT & LOCATION FOR CONCEALMENT BEHIND EQUIPMENT.</p> <p>TV ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR WALL-MOUNTED TELEVISION, VERIFY MOUNTING HEIGHT & LOCATION FOR CONCEALMENT BEHIND EQUIPMENT.</p> <p>CLG ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FLUSH IN CEILING, VERIFY LOCATION WITH PROFESSIONAL PRIOR TO ROUGH-IN.</p> <p>SOF ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS MOUNTED FLUSH IN SOFFIT, VERIFY LOCATION WITH PROFESSIONAL PRIOR TO ROUGH-IN.</p> <p>SURF ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS SURFACE MOUNTED USING SURFACE METAL RACEWAYS & BOXES, VERIFY ROUTING WITH ARCHITECT PRIOR TO ROUGH-IN.</p> <p>ROOF ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET/CONNECTION IS ON THE ROOF, VERIFY LOCATION WITH PROFESSIONAL PRIOR TO ROUGH-IN.</p> <p>TBB ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS TELECOMM. SYSTEM BACKBOARD, VERIFY MOUNTING HEIGHT & LOCATION PRIOR TO ROUGH-IN.</p> <p>SIGN ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR BUILDING-MOUNTED ILLUMINATED SIGNAGE, VERIFY MOUNTING HEIGHT & LOCATION PRIOR TO ROUGH-IN.</p> <p>PROJ ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR CEILING-MOUNTED PROJECTOR, VERIFY LOCATION PRIOR TO ROUGH-IN.</p> <p>LAV ADJACENT TO ANY OUTLET SYMBOL DENOTES DEVICE/OUTLET IS FOR LAVATORY SENSOR OPERATED FAUCET CONTROLS, MOUNT UNDER CABINET AS DIRECTED BY EQUIPMENT PROVIDER.</p>

ELECTRICAL SYMBOLS LEGEND	
	<p>RACEWAYS & BOXES</p> <p>BRANCH CIRCUIT (CONDUIT AND WIRING) CONCEALED ABOVE CEILING OR IN WALL, NUMBER OF CONDUCTORS, (V) INDICATES GREEN GROUNDING CONDUCTOR SIZED PER BRANCH CIRCUIT UNLESS OTHERWISE NOTED.</p> <p>BRANCH CIRCUIT (CONDUIT AND WIRING) CONCEALED IN/UNDER FLOOR SLAB PER THE SPECIFICATIONS OR BELOW GRADE PER THE SPECIFICATIONS, NUMBER OF CONDUCTORS.</p> <p>BRANCH CIRCUIT (CONDUIT AND WIRING) EXPOSED ON CEILING ONLY, NUMBER OF CONDUCTORS.</p> <p>BRANCH CIRCUIT(S) HOMERUN, PANEL & CIRCUIT DESIGNATIONS, ROUTE CONCEALED, NUMBER OF CONDUCTORS, MINIMUM 3/4" CONDUIT UNLESS NOTED OTHERWISE, ALL HOMERUNS GREATER THAN 50 FEET IN LENGTH SHALL USE #10 AWG CONDUCTORS MINIMUM.</p> <p>BRANCH CIRCUIT(S) HOMERUN, PANEL & CIRCUIT DESIGNATIONS, ROUTE EXPOSED, NUMBER OF CONDUCTORS, MINIMUM 3/4" CONDUIT UNLESS NOTED OTHERWISE, ALL HOMERUNS GREATER THAN 50 FEET IN LENGTH SHALL USE #10 AWG CONDUCTORS MINIMUM.</p> <p>BRANCH CIRCUIT(S) HOMERUN, PANEL & CIRCUIT DESIGNATIONS, ROUTE CONCEALED IN/UNDER FLOOR SLAB OR BELOW GRADE PER THE SPECS., NUMBER OF CONDUCTORS, MINIMUM 3/4" CONDUIT UNLESS NOTED OTHERWISE, ALL HOMERUNS GREATER THAN 50 FEET IN LENGTH SHALL USE #10 AWG CONDUCTORS MIN.</p> <p>SURFACE JUNCTION BOX WITH COVER, SIZE & MOUNTING HEIGHT AS INDICATED, MINIMUM BOX SIZE SHALL BE 4" SQUARE.</p> <p>FLUSH JUNCTION BOX WITH PLATE, SIZE & MOUNTING HEIGHT AS INDICATED, MINIMUM BOX SIZE SHALL BE 4" SQUARE WITH 1 GANG RAISED COVER.</p> <p>BRANCH CIRCUIT HOMERUN JUNCTION BOX, 4" SQUARE MINIMUM, MOUNT ABOVE ACCESSIBLE CEILING WHERE PRESENT, AT OVERHEAD STRUCTURE OR AS NOTED.</p>
	<p>SITE UTILITIES</p> <p>—EOHP— CONDUCTORS, OVERHEAD, PRIMARY/MED. VOLTAGE, EXISTING, OWNED & MAINTAINED BY THE USING AGENCY, LOCATION & ROUTING SHOWN ARE APPROXIMATE & REPRESENTATIVE.</p> <p>—EUGS— DUCT BANK & CONDUCTORS, UNDERGROUND, SECONDARY ELEC. DISTRIBUTION, EXISTING, LOCATION & ROUTING SHOWN ARE APPROXIMATE & REPRESENTATIVE.</p> <p>—EOHS— CONDUCTORS, OVERHEAD, SECONDARY ELEC. SERVICE, EXISTING, LOCATION & ROUTING SHOWN ARE APPROXIMATE & REPRESENTATIVE.</p> <p>—UGP— DUCT BANK & CONDUCTORS, UNDERGROUND, PRIMARY/MED. VOLTAGE, DUCT BANK PROVIDED BY CONTRACTOR, CONDUCTORS PROVIDED BY SERVING UTILITY COMPANY, SEE POWER RISER DIAGRAM FOR NUMBER/SIZE OF CONDUITS, LOCATION & ROUTING SHOWN ARE APPROXIMATE & REPRESENTATIVE.</p> <p>—UGS— DUCT BANK & CONDUCTORS, UNDERGROUND, SECONDARY ELEC. DISTRIBUTION, SEE POWER RISER DIAGRAM FOR NUMBER/SIZE OF CONDUITS & CONDUCTORS, LOCATION & ROUTING SHOWN ARE APPROXIMATE & REPRESENTATIVE.</p> <p>—OHS— CONDUCTORS, OVERHEAD, SECONDARY ELEC. SERVICE DROP, SIZE, TYPE & NUMBER AS INDICATED, LOCATION & ROUTING SHOWN ARE APPROXIMATE & REPRESENTATIVE.</p>
	<p>LUMINAIRES</p> <p>(L) LIGHTING FIXTURE OUTLET WITH FIXTURE PER LIGHTING FIXTURE SCHEDULE, FIXTURE SYMBOL, CIRCUIT DESIGNATION(S), MOUNTING PER THE LIGHTING FIXTURE SCHEDULE.</p> <p>(L) LIGHTING FIXTURE WALL BRACKET OUTLET WITH FIXTURE, FIXTURE SYMBOL, CIRCUIT DESIGNATION, MOUNTING PER THE LIGHTING FIXTURE SCHEDULE.</p> <p>(L) FLUORESCENT/LED FIXTURE OUTLET WITH FIXTURE PER LIGHTING FIXTURE SCHEDULE, FIXTURE SYMBOL, CIRCUIT DESIGNATION(S), MOUNTING PER THE LIGHTING FIXTURE SCHEDULE.</p> <p>(L) RECESSED FLUORESCENT/LED FIXTURE OUTLET WITH FIXTURE PER LIGHTING FIXTURE SCHEDULE, FIXTURE SYMBOL CIRCUIT DESIGNATION(S), MOUNTING PER THE LIGHTING FIXTURE SCHEDULE.</p> <p>(L) FLUORESCENT/LED WALL BRACKET OUTLET WITH FIXTURE PER LIGHTING FIXTURE SCHEDULE, FIXTURE SYMBOL, CIRCUIT DESIGNATION(S), MOUNTING PER THE LIGHTING FIXTURE SCHEDULE.</p> <p>(L) HATCH LINES THRU ANY LIGHTING FIXTURE SYMBOL DENOTES LIGHTING FIXTURE PROVIDED WITH INTEGRAL EMERGENCY BATTERY PACK CONNECTED TO NON-SWITCH LIGHTING BRANCH CIRCUIT.</p> <p>(L) LIGHTING FIXTURE OUTLET WITH SUSPEND LINEAR FIXTURE PER LIGHTING FIXTURE SCHEDULE, FIXTURE SYMBOL, CIRCUIT DESIGNATION(S), MOUNTING PER THE LIGHTING FIXTURE SCHEDULE.</p> <p>(L) LIGHTING FIXTURE OUTLET WITH RECESSED LINEAR FIXTURE PER LIGHTING FIXTURE SCHEDULE, FIXTURE SYMBOL, CIRCUIT DESIGNATION(S), MOUNTING PER THE LIGHTING FIXTURE SCHEDULE.</p>
	<p>SWITCHES & LIGHTING CONTROL DEVICES</p> <p>S TOGGLE SWITCH WITH BOX & PLATE, 20A1P, 120/277V, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>S3 TOGGLE SWITCH WITH BOX & PLATE, THREE-WAY, 20A1P, 120/277V, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>S4 TOGGLE SWITCH WITH BOX & PLATE, FOUR-WAY, 20A1P, 120/277V, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>Sos SWITCH WITH BOX & PLATE, OCCUPANCY SENSOR TYPE, PASSIVE INFRARED, MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>Sosd WALL-BOX DIMMER SWITCH WITH BOX & PLATE, 20A1P, 120/277V, OCCUPANCY SENSOR TYPE, DUAL TECHNOLOGY (INFRARED/MICROPHONICS), ON/OFF BUTTON, RAISE/LOWER BUTTONS, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS INDICATED OTHERWISE.</p> <p>Sob WALL-BOX DIMMER SWITCH WITH BOX & PLATE, 20A1P, 120/277V, ON/OFF BUTTON, RAISE/LOWER BUTTONS, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS INDICATED OTHERWISE.</p> <p>St MANUAL MOTOR SWITCH WITH BOX AND PLATE, 20A1P, 120/277V, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>S2t MANUAL MOTOR SWITCH WITH BOX AND PLATE, 20A2P, 120/277V, FLUSH MOUNT C.L. UP 48" A.F.F. UNLESS NOTED OTHERWISE.</p> <p>(L) LIGHTING CONTROL SYS. OCCUPANCY SENSOR, MULTI-TECHNOLOGY TYPE (INFRARED/ULTRASONIC), MOUNT AT CEILING, LOCATE & AIM TO PROVIDE OPTIMUM COVERAGE OF ROOM/SPACE.</p> <p>(L) LIGHTING CONTROL SYS. OCCUPANCY SENSOR, MULTI-TECHNOLOGY TYPE (INFRARED/ULTRASONIC), WALL MOUNT C.L. UP 9'-0" A.F.F. LOCATE & AIM TO PROVIDE OPTIMUM COVERAGE OF ROOM/SPACE.</p> <p>ETS ELECTRONIC TIME SWITCH, PROGRAMMABLE WALL-BOX TYPE, WALL MOUNT C.L. UP 54" A.F.F. VERIFY LOCATION PRIOR TO ROUGH-IN, PROGRAM AS DIRECTED BY OWNER.</p>
	<p>RECEPTACLES & POWER OUTLETS</p> <p>(L) SINGLE GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 42" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION.</p> <p>(L) DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 18" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION.</p> <p>(L) DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 4" ABOVE COUNTER/BACKSPLASH UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATIONS.</p> <p>(L) DOUBLE DUPLEX GROUNDING RECEPTACLES WITH BOX, PLATE & BRANCH CIRCUIT, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 18" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION.</p> <p>(L) DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, G.F.I. TYPE, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 18" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION.</p> <p>(L) DUPLEX GROUNDING RECEPTACLE WITH BOX, PLATE & BRANCH CIRCUIT, G.F.I. TYPE, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 4" ABOVE COUNTER/BACKSPLASH WHERE PRESENT OR C.L. UP 48" A.F.F. UNLESS OTHERWISE INDICATED, CIRCUIT DESIGNATION.</p> <p>(L) DUPLEX GROUNDING RECEPTACLE WITH BOX, WEATHERPROOF COVER & BRANCH CIRCUIT, G.F.I. TYPE, 120 VOLTS, NEMA 5-20R, MOUNT C.L. UP 18" A.F.F. UNLESS NOTED OTHERWISE, CIRCUIT DESIGNATION.</p>

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 JOHN M. WYNNIE
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 #11869
 STATE OF MISSISSIPPI
 03/17/2022

Project
BASEBALL PAVILION REPAIRS
MISSISSIPPI VALLEY STATE UNIVERSITY
14000 US-82 ITTA BENA, MS 38941
 SCHEMATIC DESIGN PHASE

Project Number: 20,012
 Date: 2022.03.17
 Drawn by: JMW
 Checked by: JMW
 Revisions
 1 _____
 2 _____
 3 _____

Sheet Title
ELECTRICAL SYMBOLS LEGEND, SCHEDULES & DETAILS

Sheet Number of Totl

E001R

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Sheet Title
ELECTRICAL FLOOR PLAN & DETAILS
BASE BID

Sheet Number of Totl

E201R

PANEL "LP" SECT. #1

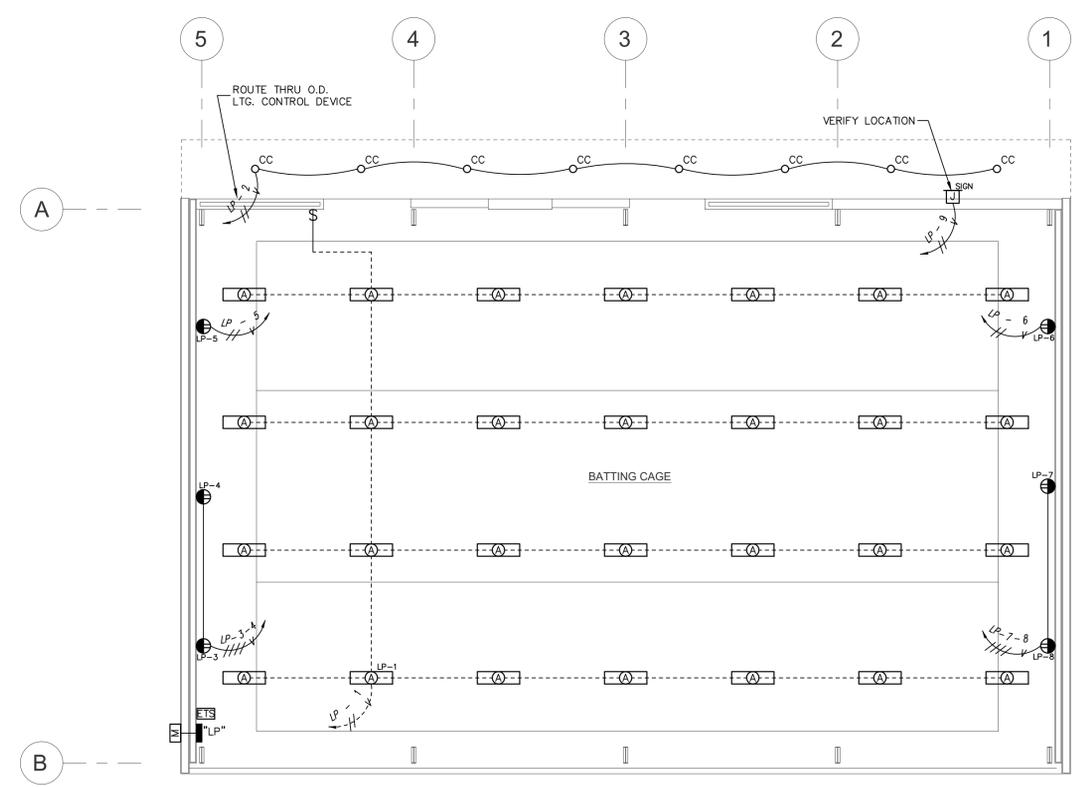
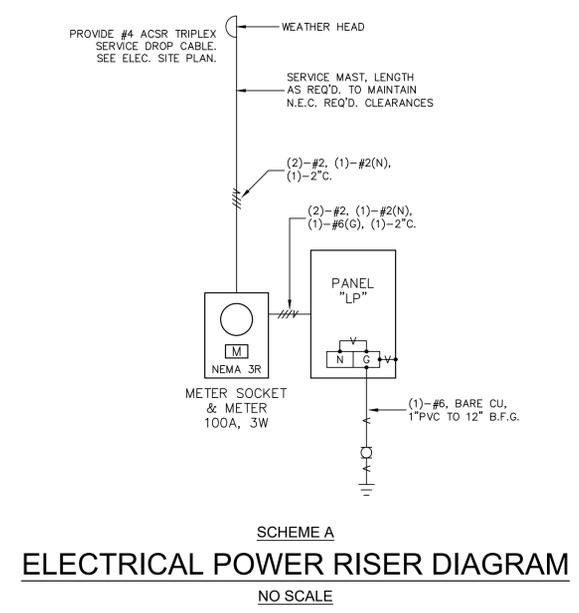
VOLTS: 208Y/120 PHASE: 3 MOUNTING: NEMA 3R
MAIN: 125A WIRE: 4 K.A.I.C: 10
NEUTRAL: 100% FED FROM: ELECTRICAL SERVICE ENTRANCE MAIN BREAKER: 100A2P

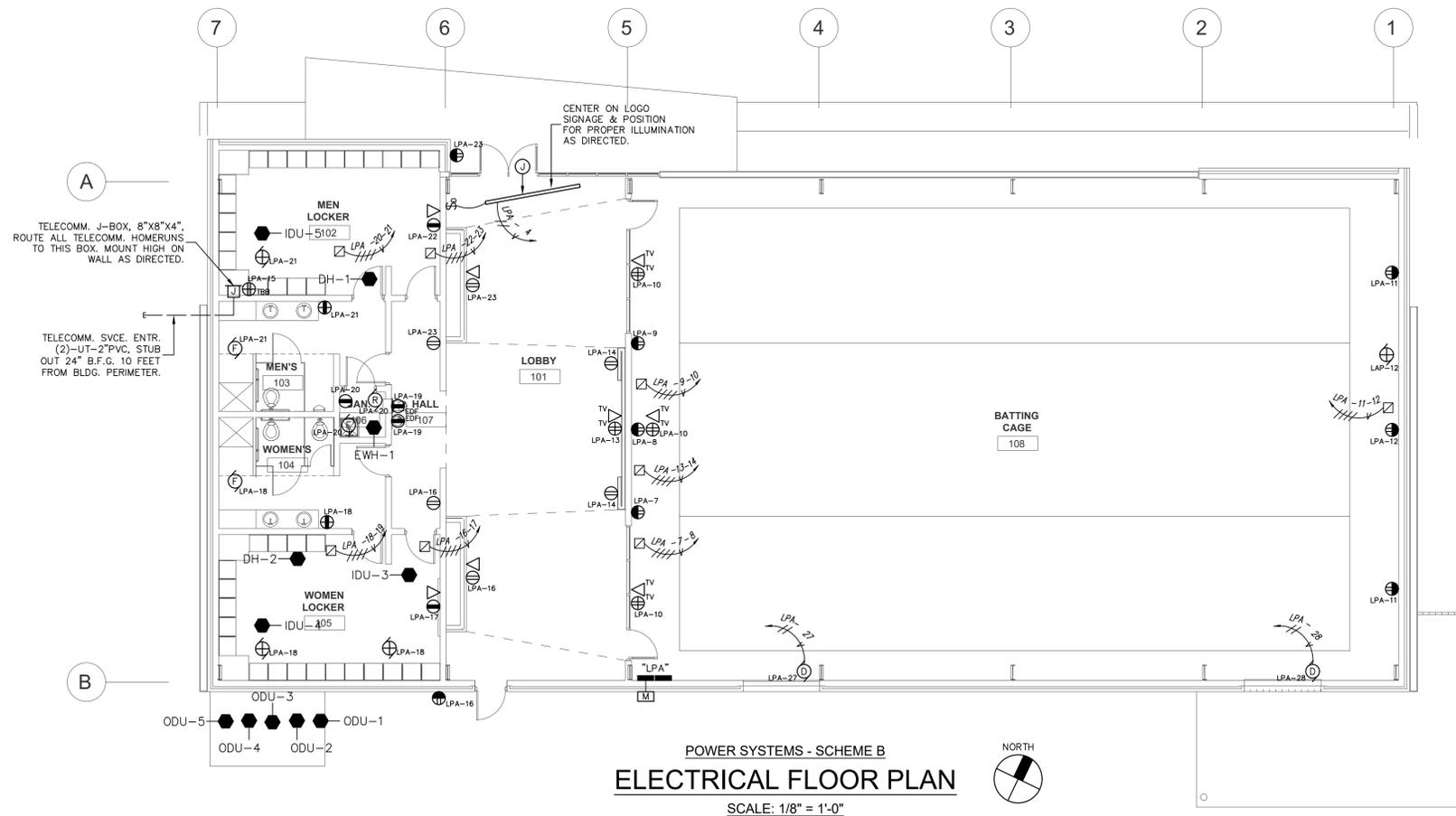
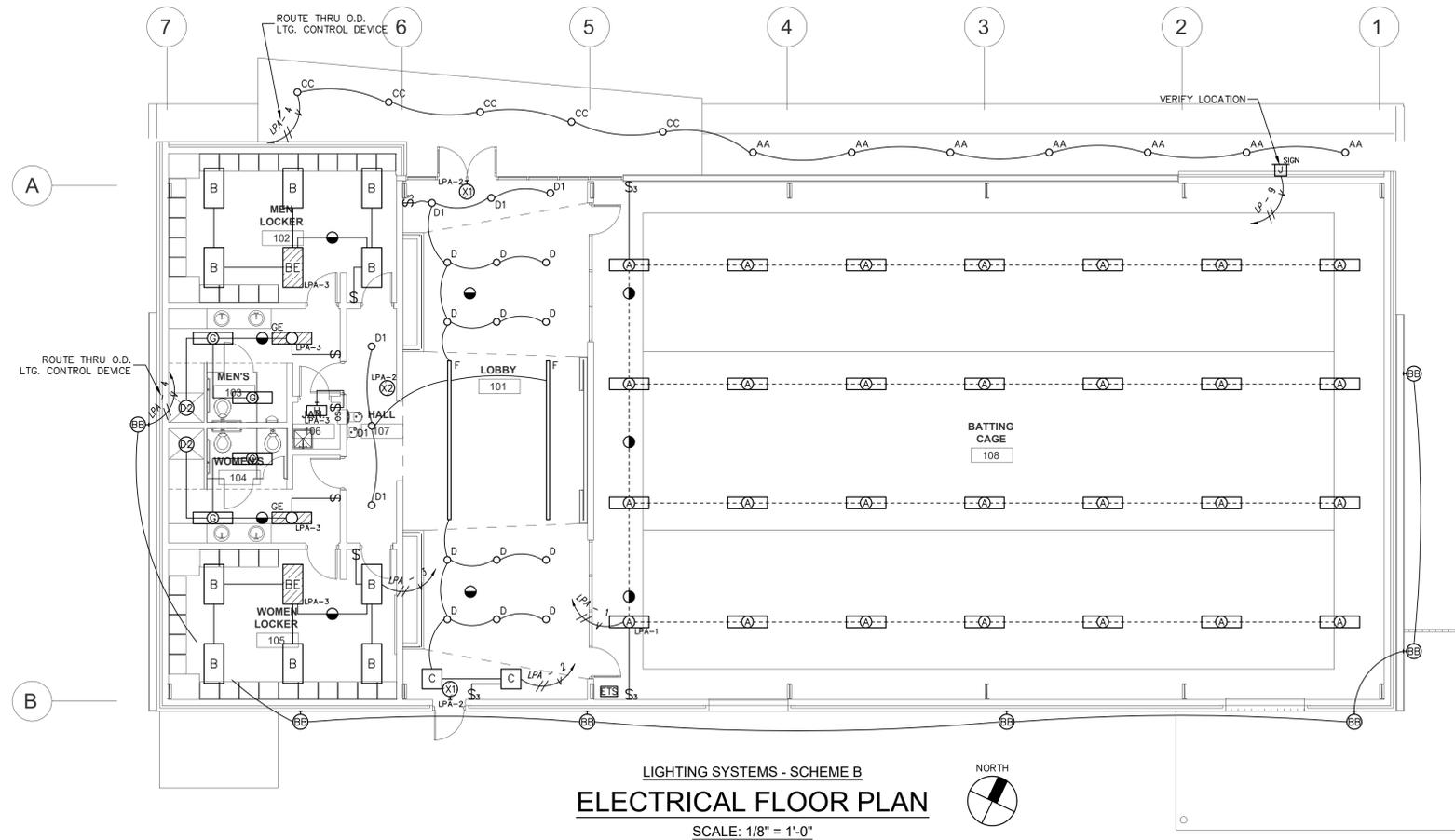
CKT. NO.	LOAD DESCRIPTION	KVA			BREAKER			KVA			CKT. NO.	
		PH. A	PH. B	PH. C	AMPS	POLES	PH	POLES	AMPS	PH. A		PH. B
1	BATTING CAGE LTG.	1.40			20	1	A	1	20			SPACE 16
2	OUTDOOR LTG.		0.50		20	1	B	1	20			SPACE 17
3	RECEPTACLE			1.00	20	1	C	1	20			SPACE 18
4	RECEPTACLE	1.00			20	1	A	1	20			SPACE 19
5	RECEPTACLE		1.00		20	1	B	1	20			SPACE 20
6	RECEPTACLE			1.00	20	1	C	1	20			SPACE 21
7	RECEPTACLE	1.00			20	1	A	1	20			SPACE 22
8	RECEPTACLE		1.00		20	1	B	1	20			SPACE 23
9	BLDG SIGN			1.50	20	1	C	1	20			SPACE 24
10	SPARE				20	1	A	1	20			SPACE 25
11	SPARE				20	1	B	1	20			SPACE 26
12	SPARE				20	1	C	1	20			SPACE 27
13	SPARE				20	1	A	1	20			SPACE 28
14	SPARE				20	1	B	1	20			SPACE 29
15	SPARE				20	1	C	1	20			SPACE 30

REMARKS: PANELBOARD OMITTED UNDER SCHEME B.

PANEL "LP"

TOTAL CONNECTED LOAD - KVA:		TOTAL DEMAND - KVA:	5.7
PHASE A:	3.4	TOTAL DEMAND - AMPS:	15.7
PHASE B:	2.5	SPARE CAPACITY - %:	25%
PHASE C:	3.5	TOTAL LOAD - KVA:	7.1
TOTAL CONNECTED LOAD:	9.4	TOTAL LOAD - AMPS:	19.6





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 Checked by: JMW
 Revisions
 1 _____
 2 _____
 3 _____

Sheet Title
ELECTRICAL FLOOR PLAN & DETAILS
 ALTERNATE BID

Sheet Number of Totl

E202R

PANEL "LPA" SECT.#1												
VOLTS: 240/120			PHASE: 1			MOUNTING: SURFACE			K.A.I.C: 22			
MAIN: 400A			WIRE: 3			MAIN BREAKER: 400A2P			NEUTRAL: 100%			
FED FROM: ELECTRICAL SERVICE ENTRANCE												
CKT. NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	KVA	BREAKER	BREAKER	KVA	LOAD DESCRIPTION	CKT. NO.		
1	BAT. CAGE LTG.	1.40			20	1 A	1 20	1.00	LOBBY RECEIPT	16		
2	LOBBY LTG.		1.20		20	1 B	1 20	1.00	LOCKER RM. RECEIPT	17		
3	LOCKER RM./TLT. LTG.			1.00	20	1 C	1 20	1.00	W. TLT. FAN/RECEPT	18		
4	LOGO LTG.	1.00			20	1 A	1 20	1.00	EDF RECEIPT	19		
5	OUTDOOR LTG.		1.00		20	1 B	1 20	1.00	JAN. RECEIPT	20		
6	SPARE				20	1 C	1 20		M. TLT. FAN/RECEPT	21		
7	BAT. CAGE RECEPT.	1.00			20	1 A	1 20	1.00	LOCKER RM. RECEIPT	22		
8	BAT. CAGE RECEPT.		1.00		20	1 B	1 20	1.00	LOBBY RECEIPT	23		
9	BAT. CAGE RECEPT.			1.00	20	1 C	1 20		SPARE	24		
10	TV RECEIPT.	1.00			20	1 A	1 20	0.70	DEHUMIDIFIER DH-1	25		
11	BAT. CAGE RECEPT.		1.00		20	1 B	1 20	0.70	DEHUMIDIFIER DH-2	26		
12	BAT. CAGE RECEPT.			1.00	20	1 C	1 20	1.20	MOTORIZED DOOR	27		
13	LOBBY TV RECEPT.	1.00			20	1 A	1 20	1.20	MOTORIZED DOOR	28		
14	LOBBY RECEPT.		1.00		20	1 B	1 20		SPARE	29		
15	T.B.B. RECEPT.			1.00	20	1 C	1 20		SPARE	30		

REMARKS:

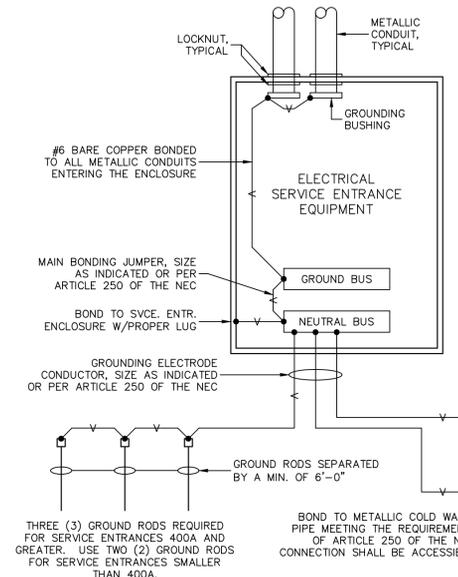
PANEL "LPA" SECT.#2												
CKT. NO.	LOAD DESCRIPTION	PH. A	PH. B	PH. C	KVA	BREAKER	BREAKER	KVA	LOAD DESCRIPTION	CKT. NO.		
31	O.D. H.P. COND. UNIT	2.78			35	2 A	2 15	0.47	I.D. H.P. BLOWER UNIT	46		
32	ODU-1		2.78					0.47	IDU-4	47		
33	I.D. H.P. BLOWER UNIT			0.83	15	2 C	2 25	1.84	O.D. H.P. COND. UNIT	48		
34	IDU-1	0.83						1.84	ODU-3	49		
35	I.D. H.P. BLOWER UNIT		0.45		15	2 B	2 15	0.47	I.D. H.P. BLOWER UNIT	50		
36	IDU-2			0.45				0.47	IDU-5	51		
37	O.D. H.P. COND. UNIT	2.78			35	2 A	2 15		SPARE	52		
38	ODU-2		2.78						SPARE	53		
39	O.D. H.P. COND. UNIT			2.28	35	2 C	2 70	6.00	ELEC. WATER HEATER	54		
40	ODU-3	2.28						6.00	SPARE	55		
41	I.D. H.P. BLOWER UNIT		0.62		15	2 B	2 25		SPARE	56		
42	IDU-3			0.62					SPARE	57		
43	O.D. H.P. COND. UNIT	1.84			25	2 A	2 35		SPARE	58		
44	ODU-4		1.84						SPARE	59		
45	SPACE				1	C	1		SPACE	60		

REMARKS: PANELBOARD PROVIDED UNDER SCHEME B.

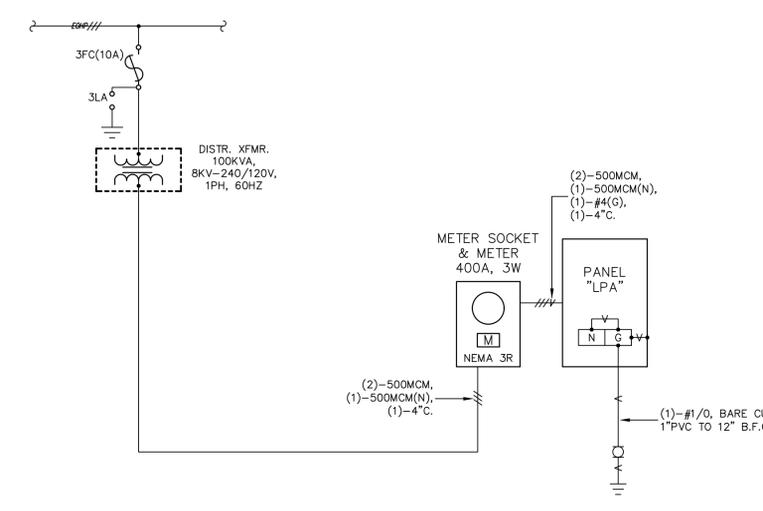
PANEL "LPA"					
TOTAL CONNECTED LOAD - KVA:		TOTAL DEMAND - KVA:		58.6	
PHASE A:	29.1	TOTAL DEMAND - AMPS:		244.3	
PHASE B:	18.3	SPARE CAPACITY - %:		25%	
PHASE C:	19.7	TOTAL LOAD - KVA:		73.3	
TOTAL CONNECTED LOAD:	67.1	TOTAL LOAD - AMPS:		305.3	

MARK NO.	EQUIPMENT DESCRIPTION	VOLTS/ PHASE	FLA (A)	MCA	MOCBP	RATING		CIRCUIT (PANEL NO.)	BRANCH CIRCUIT (1)		DISC. SW./ FUSE (2)	NOTES
						SIZE	UNITS		CONDUCTORS	CONDUIT(S)		
ODU-1	O.D. H.P. COND. UNIT	240/1	23.2	29.1	35.0	5.0	TON	LPA-31.32	(2)-#8, (1)-#10(G)	(1) - 3/4"	60A2P	NEMA 3R
IDU-1	I.D. H.P. BLOWER UNIT	240/1	6.9	8.6	15.0			LPA-33.34	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
ODU-2	O.D. H.P. COND. UNIT	240/1	23.2	29.1	35.0	5.0	TON	LPA-36.37	(2)-#8, (1)-#10(G)	(1) - 3/4"	60A2P	NEMA 3R
IDU-2	I.D. H.P. BLOWER UNIT	240/1	6.9	8.6	15.0			LPA-35.36	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
ODU-3	O.D. H.P. COND. UNIT	240/1	19.0	29.1	35.0	2.0	TON	LPA-39.40	(2)-#8, (1)-#10(G)	(1) - 3/4"	30A2P	NEMA 3R
IDU-3	I.D. H.P. BLOWER UNIT	240/1	5.2	6.5	15.0			LPA-41.42	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
ODU-4	O.D. H.P. COND. UNIT	240/1	15.3	16.5	25.0	2.0	TON	LPA-43.44	(2)-#10, (1)-#10(G)	(1) - 3/4"	30A2P	NEMA 3R
IDU-4	I.D. H.P. BLOWER UNIT	240/1	3.9	4.9	15.0			LPA-46.47	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
ODU-5	O.D. H.P. COND. UNIT	240/1	15.3	16.5	25.0	3.0	TON	LPA-48.49	(2)-#10, (1)-#10(G)	(1) - 3/4"	30A2P	NEMA 3R
IDU-5	I.D. H.P. BLOWER UNIT	240/1	3.9	4.9	15.0			LPA-50.51	(2)-#12, (1)-#12(G)	(1) - 3/4"	20A2P MMS	
DH-1	DEHUMIDIFIER	120	5.2	6.5	20.0			LPA-25	(1)-#12, (1)-#12(N), (1)-#12(G)	(1) - 3/4"	20A1P MMS	
DH-2	DEHUMIDIFIER	120	5.2	6.5	20.0			LPA-26	(1)-#12, (1)-#12(N), (1)-#12(G)	(1) - 3/4"	20A1P MMS	
EW-1	ELEC. WATER HEATER	240/1	50.0	62.5	70.0	12.0	KW	LPA-54.55	(2)-#4, (1)-#8(G)	(1) - 1 1/4"	100A2P	

- GENERAL BRANCH CIRCUIT NOTES: (APPLICABLE TO ALL SHEETS.)
- LIGHTING & POWER BRANCH CIRCUITS (CONDUITS & CONDUCTORS) ALTHOUGH NOT SHOWN ON THE DRAWINGS SHALL BE PROVIDED & CONNECTED AS REQUIRED FOR PROPER OPERATION OF THE INDICATED LIGHTING LUMINAIRES, LIGHTING CONTROL SYSTEM, DEVICES, ETC..
 - ALL BRANCH CIRCUITS SHALL BE ROUTED IN CONDUIT PER THE SPECIFICATIONS. ALL BRANCH CIRCUITS SHALL HAVE DEDICATED NEUTRAL CONDUCTOR. ALL BRANCH CIRCUITS SHALL HAVE A PROPERLY SIZED EQUIPMENT GROUNDING CONDUCTOR.
 - ALL 120V BRANCH CIRCUITS IN EXCESS OF 50 FEET IN LENGTH SHALL UTILIZE #10 CONDUCTORS FOR PHASE, NEUTRAL & GROUND CONDUCTORS. ALL 277V BRANCH CIRCUITS IN EXCESS OF 100 FEET IN LENGTH SHALL UTILIZE #10 CONDUCTORS FOR PHASE, NEUTRAL & GROUND CONDUCTORS.
 - WALL SWITCH(ES) AND/OR OCCUPANCY SENSOR(S) WHERE INDICATED IN A ROOM/SPACE SHALL BE PROVIDED & CONNECTED TO CONTROL ALL LUMINAIRES IN THAT ROOM/SPACE UNLESS INDICATED OTHERWISE. 3-WAY & 4-WAY SWITCHES SHALL BE PROVIDED & CONNECTED FOR PROPER OPERATION & SHALL CONTROL ALL LUMINAIRES IN THE ASSOCIATED ROOM/SPACE UNLESS OTHERWISE INDICATED.
 - WHERE WALL SWITCHES ARE INDICATED IN THE SAME ROOM/SPACE WITH OCCUPANCY SENSORS, THE WALL SWITCHES SHALL BE CONNECTED BETWEEN THE OCCUPANCY SENSOR & THE LIGHTING LUMINAIRES. SEE APPROPRIATE DETAILS.
 - WHERE EMERGENCY BATTERY PACKS ARE INDICATED OR SPECIFIED THEY SHALL BE PROPERLY CONNECTED PER THE MANUFACTURER'S RECOMMENDATIONS TO A NON-SWITCHED LEG OF THE BRANCH CIRCUIT INDICATED FOR THE ASSOCIATED LIGHTING LUMINAIRE.
 - BRANCH CIRCUIT HOMERUNS & JUNCTION BOXES SHOWN ON THE FLOOR PLAN DRAWINGS ARE FOR INDICATING BRANCH CIRCUITS SHARING A COMMON HOMERUN RACEWAY & FOR GENERAL LOCATION OF THE HOMERUN. THE ACTUAL JUNCTION BOX & HOMERUN ORIGIN LOCATION SHALL BE FIELD DETERMINED BASE ON THE FINISHES OF THE AREA IN WHICH LOCATED TO INSURE INSTALLATION COMPLIES WITH THE ACCESSIBILITY REQUIREMENTS OF THE NEC.
 - WHERE FLOOR BOXES ARE INDICATED, CONTRACTOR SHALL SAW CUT EXISTING FLOOR SLAB AS REQUIRED TO INSTALL BOXES & ASSOCIATED CONDUITS. REPAIR FLOOR SLAB PER EX'G CONSTRUCTION.



SERVICE ENTRANCE
GROUNDING/BONDING DETAIL
NO SCALE



SCHEME B
ELECTRICAL POWER RISER DIAGRAM
NO SCALE



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Greg L. Durrell, AIA



Project
BASEBALL PAVILION REPAIRS
MISSISSIPPI VALLEY STATE UNIVERSITY
14000 US-82 ITTA BENA, MS 38941
SCHEMATIC DESIGN PHASE

Project Number: 20,012
Date: 2022.03.17
Drawn by: JMW
Checked by: JMW
Revisions:
1 _____
2 _____
3 _____

Sheet Title
ELECTRICAL SYMBOLS LEGEND, SCHEDULES & DETAILS

Sheet Number of Totl

E301R