BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE

GADSDEN, ALABAMA 35903

GADSDEN STATE COMMUNITY COLLEGE
DR. KATHY L. MURPHY PRESIDENT

OWNER GADSDEN STATE COMMUNITY COLLEGE
PO BOX 227
GADSDEN, ALABAMA 35902

ALABAMA COMMUNITY COLLEGE SYSTEM
BOX 302130
MONTGOMERY, ALABAMA 36130

ARCHITECT LATHAN ASSOCIATES ARCHITECTS, P.C.
300 CHASE PARK SOUTH
SUITE 200
HOOVER, ALABAMA 35244
EMAIL: RFI@LATHANASSOCIATES.COM

STRUCTURAL STRUCTURAL DESIGN GROUP, INC.
300 CHASE PARK SOUTH
SUITE 125
HOOVER, ALABAMA 35244

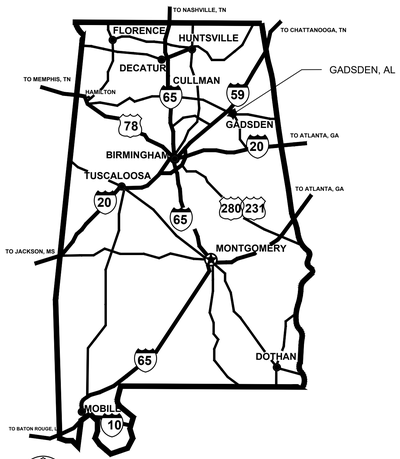
CIVIL LBYD, INC.
880 MONTCLAIR ROAD #600
BIRMINGHAM, ALABAMA 35213

MECHANICAL / PLUMBING DEWBERRY ENGINEERS, INC.
RIVERCHASE OFFICE PLAZA #2
SUITE 205
HOOVER, ALABAMA 35244

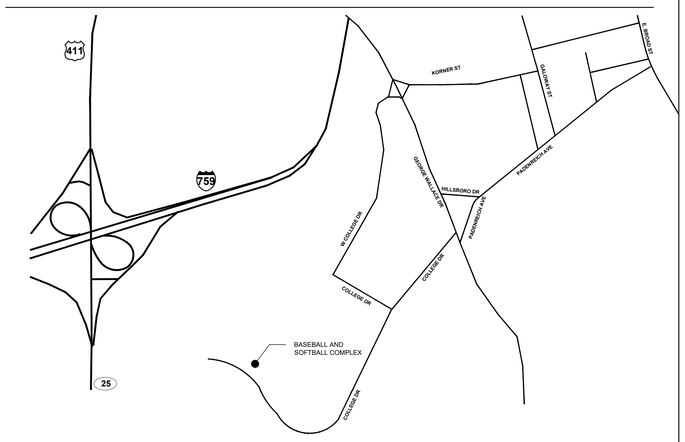
LANDSCAPE HNP LANDSCAPE ARCHITECTURE
1914 28TH AVENUE SOUTH
BIRMINGHAM, ALABAMA 35209

ELECTRICAL DEWBERRY ENGINEERS, INC.
RIVERCHASE OFFICE PLAZA #2
SUITE 205
HOOVER, ALABAMA 35244

ACCS No. 2023063 GSCC



AREA MAP
STATE OF ALABAMA



VICINITY MAP
GADSDEN, ALABAMA

DRAWING INDEX (SET - 73 TOTAL SHEETS)

GENERAL (2 SHEETS)

- T1 - TITLE AND INDEX
- LS1.1 - LIFE SAFETY PLANS AND DETAILS

CIVIL DRAWINGS (12 SHEETS)

- C0.1 - CIVIL NOTES
- C0.2 - SURVEY
- C1.0 - SITE DEMOLITION PLAN
- C2.0 - SITE LAYOUT PLAN
- C2.1 - SITE LAYOUT PLAN - ALTERNATE
- C3.0 - GRADING & DRAINAGE PLAN
- C3.1 - GRADING & DRAINAGE PLAN - ALTERNATE
- C4.0 - EROSION CONTROL PLAN
- C4.1 - EROSION CONTROL PLAN - ALTERNATE
- C5.0 - SITE UTILITY PLAN
- C6.0 - CIVIL DETAILS
- C6.1 - CIVIL DETAILS

LANDSCAPE DRAWINGS (12 SHEETS)

- SP1.0 - LAYOUT AND MATERIAL PLAN
- SP2.0 - GRADING PLAN
- SP3.0 - SUBSURFACE DRAINAGE PLAN
- SP4.0 - DIMENSION PLAN
- SP5.0 - RENDERINGS & ENLARGEMENTS
- SP6.0 - DETAILS
- SP6.1 - DETAILS
- SP6.2 - DETAILS
- L7.0 - LANDSCAPE PLAN
- L7.1 - LANDSCAPE SPECIFICATIONS
- L8.0 - IRRIGATION PLAN
- L8.1 - IRRIGATION SPECIFICATIONS

ARCHITECTURAL DRAWINGS (17 SHEETS)

- A2.1 - CONCESSIONS PLAN AND ELEVATIONS
- A2.2 - BASEBALL DUGOUTS PLANS, ELEVATIONS, AND DETAILS
- A2.3 - SOFTBALL DUGOUTS PLANS, ELEVATIONS, AND DETAILS
- A2.4 - BATTING CAGES PLANS AND ELEVATIONS
- A2.5 - BLEACHERS / PRESS BOX PLANS, ELEVATIONS AND DETAILS
- A2.6 - BASEBALL / SOFTBALL ROOF PLANS AND DETAILS
- A2.7 - CONCESSIONS BUILDING SECTIONS, WALL SECTIONS AND DETAILS
- A2.8 - BASEBALL DUGOUTS BUILDING SECTIONS, WALL SECTIONS AND DETAILS
- A2.9 - SOFTBALL DUGOUTS BUILDING SECTIONS, WALL SECTIONS AND DETAILS
- A2.10 - BATTING CAGES AND BLEACHERS BUILDING SECTIONS AND DETAILS, DOOR AND WINDOW SCHEDULES AND DETAILS
- A2.11 - DOOR AND WINDOW DETAILS
- A2.12 - WALL SECTIONS
- A2.13 - ROOF DETAILS
- A5.1 - ENLARGED TOILET PLANS, INTERIOR ELEVATIONS, LEGENDS, DETAILS AND NOTES
- A5.2 - INTERIOR DETAILS
- A7.1 - REFLECTED CEILING PLANS, LEGENDS, AND NOTES
- A8.1 - FINISH FLOOR PLANS

STRUCTURAL DRAWINGS (11 SHEETS)

- S1.0 - GENERAL NOTES
- S1.1 - GENERAL NOTES CONTINUED
- S1.2 - TYPICAL DETAILS
- S1.3 - TYPICAL DETAILS
- S2.1 - CONCESSIONS FOUNDATION AND ROOF FRAMING PLAN
- S2.2 - BASEBALL HOME/VISITOR DUGOUT FOUNDATION AND ROOF FRAMING PLAN
- S2.3 - BASEBALL/ SOFTBALL BATTING CAGES FOUNDATION AND ROOF FRAMING PLAN
- S2.4 - SOFTBALL HOME/VISITOR DUGOUT FOUNDATION AND ROOF FRAMING PLAN
- S3.1 - SECTIONS AND DETAILS
- S3.2 - SECTIONS AND DETAILS
- S3.3 - SECTIONS AND DETAILS

PLUMBING DRAWINGS (3 SHEETS)

- P0.1 - PLUMBING - SCHEDULES, NOTES, LEGENDS & DETAILS
- P1.1 - PLUMBING - FLOOR PLANS
- P2.1 - PLUMBING - RISERS

MECHANICAL DRAWINGS (3 SHEETS)

- M0.1 - MECHANICAL - LEGENDS & SCHEDULES
- M0.2 - MECHANICAL - CONTROLS AND DETAILS
- M1.1 - MECHANICAL - FLOOR PLANS

ELECTRICAL DRAWINGS (13 SHEETS)

- E0.1 - ELECTRICAL - LEGEND AND NOTES
- E0.2 - ELECTRICAL - LUMINAIRE SCHEDULE AND DETAILS
- E0.3 - ELECTRICAL DETAILS
- E0.4 - ELECTRICAL DETAILS
- E0.5 - ELECTRICAL - RISER DIAGRAM
- E0.6 - ELECTRICAL - PANEL SCHEDULES
- E1.0 - ELECTRICAL - SITE PLAN
- E2.1 - ELECTRICAL - LIGHTING FLOOR PLANS
- E2.2 - ELECTRICAL - LIGHTING FLOOR PLANS
- E3.1 - ELECTRICAL - POWER FLOOR PLANS
- E3.2 - ELECTRICAL - POWER FLOOR PLANS
- E4.1 - ELECTRICAL - AUXILIARY FLOOR PLANS
- E4.2 - ELECTRICAL - AUXILIARY FLOOR PLANS

LATHAN ARCHITECTS

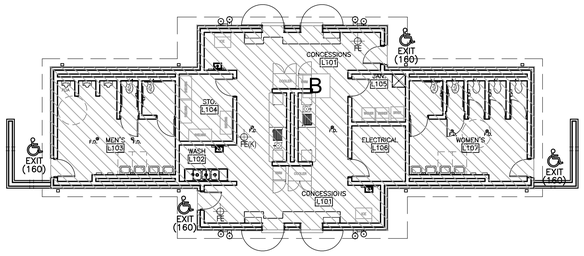
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

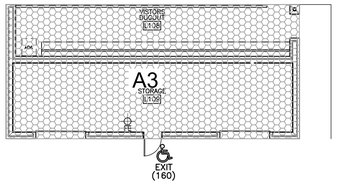
SHEET TITLE:
TITLE AND INDEX

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

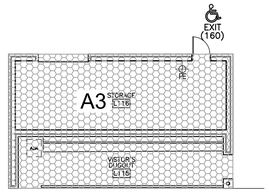
JOB NO. 23-66
SHEET NO:
T1
1 OF 2



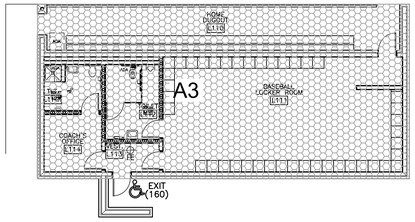
1 CONCESSIONS LIFE SAFETY PLAN
3/32" = 1'-0"



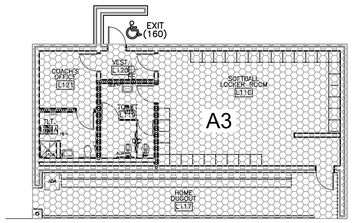
2 BASEBALL VISITOR DUGOUT LIFE SAFETY PLAN
3/32" = 1'-0"



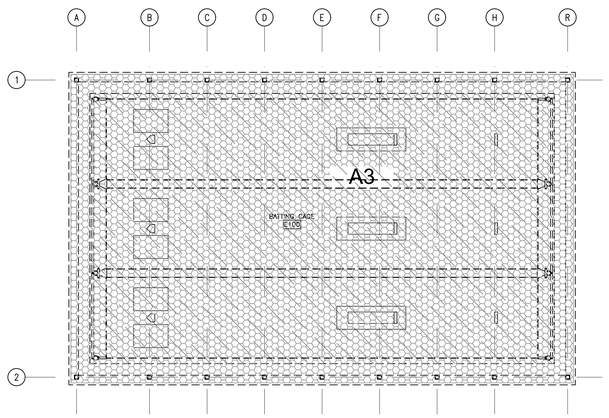
4 SOFTBALL VISITOR DUGOUT LIFE SAFETY PLAN
3/32" = 1'-0"



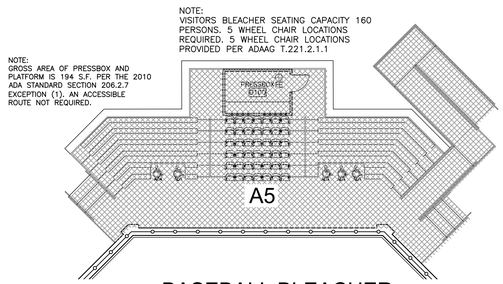
3 BASEBALL HOME DUGOUT LIFE SAFETY PLAN
3/32" = 1'-0"



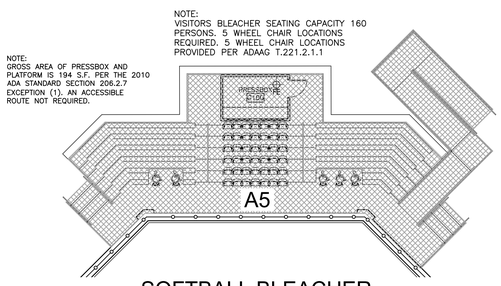
5 SOFTBALL HOME DUGOUT LIFE SAFETY PLAN
3/32" = 1'-0"



6 BASEBALL / SOFTBALL BATTING CAGE LIFE SAFETY PLAN
3/32" = 1'-0"



7 BASEBALL BLEACHER LIFE SAFETY PLAN
3/32" = 1'-0"



8 SOFTBALL BLEACHER LIFE SAFETY PLAN
3/32" = 1'-0"

2021 INTERNATIONAL BUILDING CODE RESEARCH CONCESSIONS BUILDING

OCCUPANCY CLASSIFICATION:	GROUP B		
TYPE OF CONSTRUCTION :	TYPE VB NS		
BUILDING AREA:	1,969 S.F.		
TABLE 504.4 ALLOWABLE NUMBER OF STORIES:	ALLOWABLE STORIES: 2	ACTUAL STORIES: 1	
TABLE 506.2 ALLOWABLE AREA:	AREA FACTOR: NS	9,000 S.F.	
TABLE 601 AND 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:	CONSTRUCTION TYPE:	VB	
	STRUCTURAL FRAME:	0	
	BEARING WALLS:	0	
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	NONBEARING WALLS:		
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	FLOOR CONSTRUCTION:		0
	ROOF CONSTRUCTION:		0
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES	GROUP B UNSPRINKLERED		1

2021 INTERNATIONAL BUILDING CODE RESEARCH BASEBALL DUGOUTS

OCCUPANCY CLASSIFICATION:	GROUP A3		
TYPE OF CONSTRUCTION :	TYPE VB NS		
HOME DUGOUT AREA:	1,818 S.F.		
VISITOR DUGOUT AREA:	1,079 S.F.		
TABLE 504.4 ALLOWABLE NUMBER OF STORIES:	ALLOWABLE STORIES: 1	ACTUAL STORIES: 1	
TABLE 506.2 ALLOWABLE AREA:	AREA FACTOR: NS	6,000 S.F.	
TABLE 601 AND 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:	CONSTRUCTION TYPE:	VB	
	STRUCTURAL FRAME:	0	
	BEARING WALLS:	0	
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	NONBEARING WALLS:		
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	FLOOR CONSTRUCTION:		0
	ROOF CONSTRUCTION:		0
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES	GROUP A3 UNSPRINKLERED		1

2021 INTERNATIONAL BUILDING CODE RESEARCH SOFTBALL DUGOUTS

OCCUPANCY CLASSIFICATION:	GROUP A3		
TYPE OF CONSTRUCTION :	TYPE VB NS		
HOME DUGOUT AREA:	1,526 S.F.		
VISITOR DUGOUT AREA:	813 S.F.		
TABLE 504.4 ALLOWABLE NUMBER OF STORIES:	ALLOWABLE STORIES: 1	ACTUAL STORIES: 1	
TABLE 506.2 ALLOWABLE AREA:	AREA FACTOR: NS	6,000 S.F.	
TABLE 601 AND 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:	CONSTRUCTION TYPE:	VB	
	STRUCTURAL FRAME:	0	
	BEARING WALLS:	0	
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	NONBEARING WALLS:		
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	FLOOR CONSTRUCTION:		0
	ROOF CONSTRUCTION:		0
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES	GROUP A3 UNSPRINKLERED		1

2021 INTERNATIONAL BUILDING CODE RESEARCH BLEACHERS

OCCUPANCY CLASSIFICATION:	GROUP A5		
TYPE OF CONSTRUCTION :	TYPE IIB NS		
BASEBALL BLEACHER AREA:	1,706 S.F.		
SOFTBALL BLEACHER AREA:	1,555 S.F.		
TABLE 504.4 ALLOWABLE NUMBER OF STORIES:	ALLOWABLE STORIES: UL	ACTUAL STORIES: 1	
TABLE 506.2 ALLOWABLE AREA:	AREA FACTOR: NS	UL	
TABLE 601 AND 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:	CONSTRUCTION TYPE:	IIB	
	STRUCTURAL FRAME:	0	
	BEARING WALLS:	0	
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	NONBEARING WALLS:		
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	FLOOR CONSTRUCTION:		0
	ROOF CONSTRUCTION:		0
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES	GROUP A5 UNSPRINKLERED		1

2021 INTERNATIONAL BUILDING CODE RESEARCH BASEBALL BATTING CAGE

OCCUPANCY CLASSIFICATION:	GROUP A3		
TYPE OF CONSTRUCTION :	TYPE VB NS		
BUILDING AREA:	4,689 S.F.		
TABLE 504.4 ALLOWABLE NUMBER OF STORIES:	ALLOWABLE STORIES: 1	ACTUAL STORIES: 1	
TABLE 506.2 ALLOWABLE AREA:	AREA FACTOR: NS	6,000 S.F.	
TABLE 601 AND 705.5 FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS:	CONSTRUCTION TYPE:	VB	
	STRUCTURAL FRAME:	0	
	BEARING WALLS:	0	
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	NONBEARING WALLS:		
	T. 705.5 EXTERIOR:	< 5'	1hr
		≥ 5'< 10'	1hr
		≥ 10'< 30'	0
		≥ 30'	0
	INTERIOR:		0
	FLOOR CONSTRUCTION:		0
	ROOF CONSTRUCTION:		0
TABLE 1020.2 CORRIDOR FIRE-RESISTANCE RATING PARTITIONS AND OPENING PROTECTIVES	GROUP B UNSPRINKLERED		1

OCCUPANCY LEGEND

A3	B	A5
GROUP A3	GROUP B	GROUP A5

CHAPTER 29 - PLUMBING SYSTEMS

OCCUPANCY		WATERCLOSETS				LAVATORIES				DRINKING FOUNTAINS		SERVICE SINKS
USE	LOAD	RATIO	MALE	RATIO	FEMALE	RATIO	MALE	RATIO	FEMALE	RATIO	ALL	ALL
A3	237.69	1/125	.95	1/65	1.83	1/200	.59	1/200	.59	1/500	.47	
A5	320	1/200 FIRST 1,500 1/250 NEXT 1,500 1/500 REMAINDER	2.13	1/75 FIRST 1,530 1/125 NEXT 1,520 1/175 REMAINDER	4	1/300	.80	1/300	1.07	1/1000	.32	1
B	7.87	1/25 FIRST 50 1/50 REMAINDER EXCEEDING 50.	.16	1/25 FIRST 50 1/50 REMAINDER EXCEEDING 50.	.16	1/40 FIRST 80 1/80 EXCEED 80.	.10	1/40 FIRST 80 1/80 EXCEED 80.	.10	1/100	.08	
S1,S2	3.42	1/100	.02	1/100	.02	1/100	.02	1/100	.02	1/1000	0	
REQUIRED TOTALS			3.26		6.01		1.51		1.78		.87	1
PROVIDED TOTALS			8		8		6		6		8	1

DOOR/WINDOW RATING LEGEND

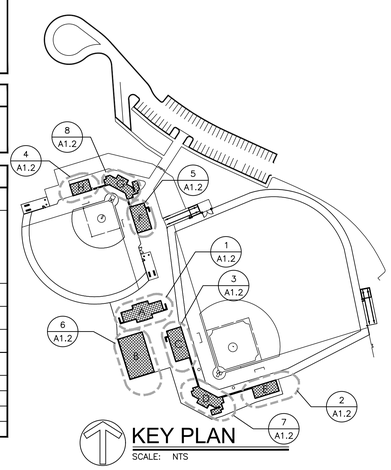
- (20) 20 MINUTE DOOR AND FRAME
- (45) 45 MINUTE DOOR AND FRAME
- (60) 60 MINUTE DOOR AND FRAME
- (90) 90 MINUTE DOOR AND FRAME
- (180) 180 MINUTE DOOR AND FRAME
- (90H) 90 MINUTE RATING AND TORNADO IMPACT RATED

WALL TYPE LEGEND

- 1 HR WALL
- 2 HR WALL
- S-S-S-S-S-S-S-S-S-S-S- SMOKE WALL

LIFE SAFETY NOTES

- FEC — FIRE EXTINGUISHER AND CABINET (PROVIDE FIRE RATED CABINETS IN RATED WALLS.)
- FE — FIRE EXTINGUISHER
- FE(K) — K-TYPE FIRE EXTINGUISHER
- EXIT SIGN DIRECTION
- ACCESSIBLE
- EXIT — EXIT
- (320) — EXIT CAPACITY
- EXTEND AND KEY ALL RATED WALLS TO SHAFT WALL SYSTEM, AND/OR BOTTOM OF ROOF ASSEMBLY
- STENCIL LABEL ALL RATED WALLS & DRAFT STOPS ABOVE CEILING EACH SIDE @ 20'-0" O.C. MAX.
- ALL RATED DOORS AND FRAMES TO BE LABELED WITH EMBOSSED LABELS INDICATING RATING IN MINUTES
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- HE - HORIZONTAL EXIT
- FB - FIRE BARRIER
- FP - FIRE PARTITION
- FW - FIRE WALL



KEY PLAN
SCALE: NTS

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
LIFE SAFETY PLANS AND DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
LS1.1
2 OF 2

GENERAL NOTES:

1. LBYD, INC. SHALL NOT HAVE AUTHORITY OVER THE SITE OR BUILDING CONTRACTOR'S WORK OR RESPONSIBILITIES. LBYD IS NOT RESPONSIBLE FOR SITE SAFETY PROCEDURES OR METHODS OF CONSTRUCTION.
2. ALL EXISTING UTILITIES SHOWN ON THESE DRAWINGS ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST. CONTRACTOR MUST HAVE EXISTING UTILITIES LOCATED BY UNDERGROUND LINE LOCATORS AS WELL AS FIELD VERIFIED BY ONSITE PERSONNEL PRIOR TO ORDERING MATERIALS OR BEGINNING CONSTRUCTION. ANY DISCREPANCIES SHALL BE REPORTED TO LBYD IMMEDIATELY.
3. EXISTING UTILITIES TO REMAIN MAY BE LOCATED WITHIN PROPOSED DEMOLITION AREAS. CONTRACTOR SHALL USE EXTREME CAUTION WHILE WORKING IN THESE AREAS TO ENSURE NO UTILITY SERVICE INTERRUPTIONS TO FACILITIES THAT REMAIN OR TO ADJACENT PROPERTIES.
4. ALL EXISTING IMPROVEMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS SPECIFICALLY NOTED,"TO REMAIN".
5. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PROTECT ADJACENT PROPERTIES AND IS RESPONSIBLE FOR ANY DAMAGE TO EXISTING IMPROVEMENTS ON OR OFF SITE DUE TO THE CONSTRUCTION OF THIS PROJECT. ANY DAMAGE WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. CONTRACTOR SHALL VERIFY SITE BOUNDARY AND EXISTING TOPOGRAPHY. NOTIFY LBYD OF ANY DISCREPANCIES PRIOR TO SUBMITTING PRICES OR ORDERING MATERIALS
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ALL BENCHMARKS AND PROPERTY CORNERS. ANY REPLACEMENT WILL BE AT THE CONTRACTOR'S EXPENSE.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN ALL NECESSARY PERMITS REQUIRED TO CONSTRUCT THIS PROJECT AND PAY ALL PERMIT FEES. ALL PERMITS MUST BE IN-HAND PRIOR TO CONSTRUCTION.
9. BOUNDARY AND TOPOGRAPHIC INFORMATION PROVIDED BY THE OWNER AND PERFORMED BY ARRINGTON ENGINEERING AND LAND SURVEYING INC. DATED 09-28-2023.
10. TOPOGRAPHIC INFORMATION WAS PERFORMED VIA GROUND RUN FORMAT.

SITE DEMOLITION NOTES:

1. CONTRACTOR TO COORDINATE WITH OWNER PRIOR TO ANY DEMOLITION REGARDING ITEMS TO BE SALVAGED, RECYCLED, AND REUSED. CONTRACTOR SHALL REMOVE ITEMS TO BE SALVAGED WITH EXTREME CAUTION TO PREVENT DAMAGE. CONTRACTOR SHALL TURN ALL SALVAGED ITEMS OVER TO OWNER.
2. CONTRACTOR SHALL COORDINATE WITH OWNER AND THE UTILITY PROVIDER PRIOR TO THE DISCONNECTING OR REMOVAL OF ANY UTILITY SERVICE TO THE EXISTING BUILDINGS. ALL UTILITIES TO BE REMOVED ARE TO BE CAPPED OR PLUGGED OR TERMINATED ACCORDING TO THE UTILITY OWNERS REQUIREMENTS.
3. REFER TO SITE GRADING AND UTILITY PLANS FOR PROPOSED UTILITY AND DRAINAGE INSTALLATION AND REMOVAL.
4. REFER TO LAYOUT AND LANDSCAPE PLANS FOR ADDITIONAL INFORMATION RELATING TO PAVING, CURB, SIDEWALKS, HARDSCAPES, ETC. REMOVE EXISTING CURBS AS NEEDED TO INSTALL PROPOSED IMPROVEMENTS.
5. CONTRACTOR SHALL COORDINATE WITH OWNER AND THE UTILITY PROVIDER PRIOR TO THE DISCONNECTING OF ANY UTILITY SERVICE TO THE EXISTING BUILDINGS.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL, RELOCATION OR PROTECTION OF ALL ABOVE AND BELOW GROUND EXISTING IMPROVEMENTS THAT ARE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS UNLESS NOTED.
7. ALL DEMOLITION AND CONSTRUCTION DEBRIS SHALL BE TRANSPORTED AND DISPOSED OF AT LEAST WEEKLY IN A LEGAL AND APPROVED MANNER.
8. ALL EXISTING PAVING, CURBS, HARDSCAPE, ETC. SHALL BE SAW CUT AT THE LIMITS OF REMOVAL IN ORDER TO PROVIDE A CLEAN EDGE. EXISTING PAVING AT EDGE SHALL BE MILLED BACK A MINIMUM OF 1.5' TO ENSURE SMOOTH TRANSITION.

SITE LAYOUT NOTES:

1. ALL HANDICAP RAMPS, SIGNS, SYMBOLS, AND PAINTED ISLANDS AND ACCESS ROUTES MUST CONFORM TO THE LATEST ADA REQUIREMENTS.
2. THE MAXIMUM SLOPE IN HANDICAP PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL HANDICAP ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
3. ALL DIMENSIONS AND COORDINATES SHOWN ARE TO THE [OUTSIDE FACE OF BUILDING, OR COLUMN LINES] TO THE BACK OF CURB, OR TO THE EDGE OF SURFACING UNLESS OTHERWISE NOTED. REFER TO ARCHITECTURAL PLANS FOR SPECIFIC BUILDING INFORMATION.
4. ALL STRIPING TO BE PER THE LATEST EDITION OF THE MUTCD UNLESS NOTED OTHERWISE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING A SITE CONSTRUCTION TRAFFIC CONTROL PLAN AND OBTAINING ANY REQUIRED APPROVALS FROM THE LOCAL JURISDICTIONAL AUTHORITY. THE SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL TAKE INTO ACCOUNT THE ENTERING AND EXITING OF CONSTRUCTION TRAFFIC ONTO THE ROADWAY AND THE IMPACT TO THE FLOW OF TRAFFIC. THIS PLAN SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. THIS SITE CONSTRUCTION TRAFFIC CONTROL PLAN SHALL BE IN ADDITION TO ANY TRAFFIC CONTROL PLAN PROVIDED IN THE PLAN SET FOR ROADWAY IMPROVEMENTS.
6. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ELEVATIONS OF ALL AT-GRADE STRUCTURES AND UTILITIES TO REMAIN (VALVE BOXES, MANHOLES, INLETS, VAULTS, ETC) TO MATCH PROPOSED FINISHED GRADES.

GRADING NOTES:

1. THE OWNER SHALL BE RESPONSIBLE FOR PROVIDING COMPACTION TESTING.
2. ALL TOPSOIL SHALL BE STRIPPED WITHIN THE PROPOSED LIMITS OF GRADING AND SHALL BE STOCKPILED ON-SITE IN AN APPROVED LOCATION FOR LATER USE WITH ANY EXCESS TO BE DISPOSED OF OFF-SITE ONCE ALL LANDSCAPED AREAS HAVE BEEN BROUGHT TO FINISH GRADE UNLESS OTHERWISE NOTED ON THE PLANS.
3. SUBGRADE SHALL BE PROOF ROLLED WITH A HEAVILY LOADED DUMP TRUCK AND APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING FILL. ANY AREAS SHOWING SIGNS OF PUMPING, RUTTING, OR ANY UNSUITABLE (ORGANIC, SOFT, WET, LOOSE) MATERIAL FOUND IN PLACE SHALL BE UNDERCUT AND REPLACED, OR MOISTURE CONDITIONED AND COMPACTED TO THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW.
4. ALL EXPOSED SUBGRADE SHALL BE SCARIFIED TO A MINIMUM DEPTH OF 12", MOISTURE CONDITIONED, AND RECOMPACTED, AS NEEDED TO ACHIEVE THE SPECIFIED DENSITY AND MOISTURE CONTENT LISTED BELOW, UNLESS OTHERWISE DETERMINED BY A GEOTECHNICAL ENGINEER.
5. CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT PREPARED SUBGRADE AND RESTORE TO PROJECT SPECIFICATIONS IF DAMAGED OR COMPROMISED DUE TO INCLEMENT WEATHER AND/OR CONSTRUCTION TRAFFIC.
6. FILL MATERIAL SHALL HAVE THE FOLLOWING PROPERTIES: VIRTUALLY FREE OF ORGANICS, NO ROCK FRAGMENTS GREATER THAN 4" WITHIN 4' OF FINISH GRADE, LIQUID LIMIT NOT EXCEEDING 50, PLASTICITY INDEX NOT EXCEEDING 30, AND A MAXIMUM DRY DENSITY OF NO LESS THAN 100PCF AS DETERMINED BY ASTM D-698, STANDARD PROCTOR.
7. PLACE FILL MATERIAL IN 8" MAXIMUM LOOSE LIFTS AND COMPACT TO REQUIREMENTS LISTED BELOW.
8. COMPACTION TESTS SHALL BE TAKEN AT THE RECOMMENDATION OF THE ON-SITE GEOTECHNICAL ENGINEER, BUT AT A MINIMUM EVERY 2,500 SQUARE FEET OF AREA PER 8" LIFT.
9. FILL MATERIAL TO BE WITHIN ±2.0% OF OPTIMUM MOISTURE CONTENT AT THE TIME OF COMPACTION, UNLESS OTHERWISE DETERMINED BY A GEOTECHNICAL ENGINEER.
10. MINIMUM COMPACTION REQUIREMENTS ARE EXPRESSED BELOW AS A PERCENTAGE OF THE MATERIAL'S MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698, STANDARD PROCTOR.

AREA	STRUCTURAL*	VEHICULAR PAVEMENT	SIDEWALKS	LANDSCAPE
% MAXIMUM DRY DENSITY	98%	98%	98%	95%

*STRUCTURAL AREAS INCLUDE ZONES OF INFLUENCE AROUND THE BUILDING, PAVEMENT AREAS, FILL SLOPES, ETC.

11. COMPACTION WITHIN LIMITED SPACES (I.E. MANHOLES, INLETS, UTILITY TRENCHES) SHOULD BE BACKFILLED AND COMPACTED SYSTEMATICALLY, AT THE DIRECTION OF THE ON-SITE GEOTECHNICAL ENGINEER. STONE BACKFILL SHALL BE INSTALLED IN 12" MAXIMUM LOOSE LIFTS AND COMPACTED WITH 6-8 PASSES OF A VIBRATORY COMPACTOR.
12. CLEARING LIMITS SHALL BE 5' OUTSIDE OF ALL PROPOSED GRADED AREAS OR NOT BEYOND THE PROPERTY LINES WHICHEVER IS LESS.
13. NO GRADING OFF-SITE OR IN ANY ROAD RIGHT-OF-WAY WITHOUT PROPER APPROVALS AND PRIOR NOTIFICATION.
14. COORDINATE THE SEQUENCING OF ALL GRADING OPERATIONS WITH THE EROSION CONTROL PLAN.
15. THE MAXIMUM SLOPE IN HANDICAP PARKING AREAS SHALL NOT EXCEED 2.0% GRADE IN ANY DIRECTION. SLOPE IN THE DIRECTION OF TRAVEL IN ALL HANDICAP ACCESS ROUTES SHALL NOT EXCEED 5.0% GRADE AND 2.0% CROSS SLOPE.
16. ALL GRADING ADJACENT TO EXISTING OR PROPOSED BUILDINGS SHALL BE SLOPED AWAY FROM THE STRUCTURES AT A MINIMUM OF 1.0% GRADE. THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM THE STRUCTURES. NOTIFY LBYD OF ANY DISCREPANCIES.
17. PROPOSED GRADES INDICATED ON THIS PLAN ARE TO FINISH GRADE. THE CONTRACTOR SHALL MAKE SUBGRADE ADJUSTMENTS FOR TOPSOIL, PAVING, BUILDING PAD, ETC.
18. FILL SLOPES SHOULD BE BENCHED INTO THE EXISTING SLOPES AND SHOULD BE COORDINATED WITH THE ONSITE GEOTECHNICAL ENGINEER FOR BENCH DETAILS (HEIGHT AND DEPTH OF BENCH INTO THE SLOPE.)
19. NO GEOTECHNICAL REPORT IS AVAILABLE FOR THIS PROJECT. THE CONTRACTOR SHALL VISIT THE SITE AND COMPLETE ANY EXPLORATIONS THAT IT FEELS NECESSARY IN ORDER TO PROVIDE A SATISFACTORY BID.
20. DEWATERING SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. PREVENT SURFACE WATER AND GROUND WATER FROM ENTERING EXCAVATIONS, FROM PONDING ON PREPARED SUBGRADES, AND FROM FLOODING PROJECT SITE AND SURROUNDING AREA. PROTECT SUBGRADES FROM SOFTENING, UNDERMINING, WASHOUT, AND DAMAGE BY RAIN OR WATER ACCUMULATION. REROUTE SURFACE WATER RUNOFF AWAY FROM EXCAVATED AREAS. DO NOT ALLOW WATER TO ACCUMULATE IN EXCAVATIONS. DO NOT USE EXCAVATED TRENCHES AS TEMPORARY DRAINAGE DITCHES. INSTALL A DEWATERING SYSTEM TO KEEP SUBGRADES DRY AND CONVEY GROUND WATER AWAY FROM EXCAVATIONS. MAINTAIN UNTIL DEWATERING IS NO LONGER REQUIRED. IF GROUNDWATER DEWATERING IS REQUIRED, CONTRACTOR IS TO OBTAIN ANY PERMITS AS MAY BE REQUIRED PRIOR TO DISCHARGE OF EFFLUENT FROM DEWATERING.
21. GRADING ADJACENT TO THE BUILDING SHALL BE COORDINATED WITH ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FOUNDATION WALLS, STEM WALLS, DRAINS, AND OTHER CONDITIONS. THE CONTRACTOR SHALL NOTIFY LBYD INC. OF ANY DISCREPANCIES.

STORM DRAINAGE NOTES:

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS ON ALL STORM PIPE MATERIALS TO LBYD PRIOR TO INSTALLATION AND/OR FABRICATION.
2. ALL PROPOSED STORM INLETS (GRATES, CURB, YARD, AREA DRAINS) ARE TO BE LOCATED AT THE LOWPOINTS. GRADING SHALL BE TO DIRECT RUNOFF TO THESE INLETS. NOTIFY LBYD OF ANY DISCREPANCIES.
3. STORM DRAINAGE SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY LBYD OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED STORM PIPE GRADES AND POINTS OF CONNECTION PRIOR TO INSTALLATION. LBYD SHALL BE NOTIFIED OF ANY DEVIATIONS PRIOR TO CONSTRUCTION.
5. PROPOSED STORM PIPES 30" AND LESS SHALL BE BEDDED IN 4" OF CRUSHED AGGREGATE AND STORM PIPES 36" AND GREATER SHALL BE BEDDED IN A 6" OF CRUSHED AGGREGATE.
6. ALL RIP RAP SHALL BE CLASS 2 PER THE ALABAMA DEPT. OF TRANSPORTATION (ALDOT) STANDARD SPECIFICATIONS UNLESS OTHERWISE NOTED.
7. ALL STORM PIPES SHALL BE SMOOTH LINED HIGH DENSITY POLYETHYLENE (HDPE) OR SCHEDULE 40 POLYVINYL CHLORIDE (PVC) WITH WATER-TIGHT JOINTS UNLESS OTHERWISE NOTED, INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
8. ALL STORM MANHOLES SHALL BE PRECAST CONE, RISER, AND BASE SECTIONS WITH GASKETED JOINTS MEETING ALDOT SPECIAL DRAWING # MH-621-2.
9. ALL SLOPE PAVED HEADWALLS SHALL BE PER ALDOT SPECIAL DRAWING #HW-614-SP.
10. ALL SINGLE AND DOUBLE WING CURB INLETS SHALL BE PER ALDOT SPECIAL DRAWING # I-621-S, TYPE S FOR 15" TO 30" STORM PIPES.
11. ALL ROADSIDE DITCH INLETS SHALL BE PER ALDOT SPECIAL DRAWING # 1-621-C.
12. ALL IMPACT DISSIPATING HEADWALLS SHALL BE PER ALDOT SPECIAL DRAWING #ID-621.
13. ALL YARD INLETS SHALL BE PRECAST INLET BOXES 3-1" x 3-1" OR 4'2 x 4'-2" DEPENDING ON MAXIMUM PIPE DEFLECTIONS. YARD INLET TOP TO BE PRECAST WITH A RING AND COVER ACCESS PROVIDED THROUGH THE TOP.
14. CONTRACTOR SHALL PROVIDE CAST IRON DOWNSPOUT BOOTS, CLEANOUTS AND COLLECTOR LINES FROM ALL EXTERIOR DOWNSPOUTS TO CONNECT TO PRIMARY STORM DRAINAGE SYSTEM. COORDINATE WITH EXTERIOR ELEVATIONS, ROOF AND PLUMBING PLANS FOR DOWNSPOUT LOCATIONS. COORDINATE DOWNSPOUT MODEL NUMBER WITH THE ARCHITECT.
15. CONTRACTOR SHALL COORDINATE ROOF DRAIN COLLECTOR LINES, DOWNSPOUTS AND BOOTS WITH FOOTING ELEVATIONS ON THE STRUCTURAL PLANS PRIOR TO POURING FOOTINGS. TOP OF FOOTINGS SHALL BE A MINIMUM OF 3' BELOW GRADE AT ALL ROOF DRAIN DOWNSPOUT LOCATIONS TO ENSURE ADEQUATE COVER TO TRANSITION TO BELOW GRADE PIPING.
16. PROVIDE 4" PVC SCHEDULE 40 GRAVITY DRAIN LINE FROM ALL BELOW GRADE UTILITY VAULTS TO THE NEAREST STORM DRAINAGE INLET OR DAYLIGHT AT GRADE.

EROSION CONTROL NOTES:

1. SITE EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A "NOTICE OF INTENT"(NOI) FROM ADEM. THE OWNER SHALL BE RESPONSIBLE FOR ALL MONITORING, INSPECTIONS, ETC. TO ENSURE THAT THE SITE IS AT ALL TIMES IN ACCORDANCE WITH ADEM RULES & REGULATIONS. DOCUMENTATION OF INSPECTIONS BY A Q.C.I. OR Q.C.P. SHALL BE MAINTAINED BY THE CONTRACTOR AND PROVIDED TO THE OWNER AT HIS/HER REQUEST. ANY AND ALL FEES, FINES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING THE CONSTRUCTION PROCESS AND UNTIL ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED. ALL EROSION CONTROL INSTALLATION AND MAINTENANCE SHALL BE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
4. EROSION CONTROL DEVICES SHOWN ON THESE PLANS ARE A MINIMUM AND ARE DEPENDENT ON THE CONTRACTOR'S CONSTRUCTION PHASING OF THE PROJECT. ADDITIONAL DEVICES SHALL BE INSTALLED AS REQUIRED TO PREVENT SILTATION, EROSION AND OTHER DEGRADATION OR POLLUTION TO THE SITE OR ADJACENT PROPERTIES, STREAMS, DITCHES, AND PUBLIC ROADWAYS. ADDITIONAL MEASURES MAY INCLUDE, AS MINIMUM, TEMPORARY SEDIMENT BASINS, CONSTRUCTION EXITS PAD, VEHICLE WASH RACKS, SILT FENCING, STRAW AND RIP RAP CHECK DAMS, DIVERSION DITCHES, ETC. THESE ADDITIONAL MEASURES SHALL BE AT NO ADDITIONAL COST TO THE OWNER.
5. EROSION CONTROL DEVICES SHALL INCLUDE, BUT NOT LIMITED, TO THE FOLLOWING DEVICES: SILT FENCING, BRUSH BERMS, SEDIMENT BASINS, DETENTION PONDS, STRAW WATTLES , CHECK DAMS, FILTER BERMS, JUTE MATTING, VEGETATIVE FILTER STRIPS, TURF REINFORCEMENT MAT, DIVERSION BERMS, ETC.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL DEVICES IN GOOD OPERATING CONDITION DURING ALL LAND DISTURBING ACTIVITIES. THIS RESPONSIBILITY SHALL INCLUDE THE CLEANUP AND/OR REPAIRS TO THE DEVICES AT NO ADDITIONAL COST TO THE OWNER.
7. EROSION CONTROL DEVICES SHALL BE MONITORED AND MAINTAINED UNTIL THE SITE HAS BEEN PERMANENTLY STABILIZED AND AFTER EACH RAINFALL GREATER THAN 0.75 INCHES IN A 24 HOUR PERIOD, ANY WIND GUSTS GREATER THAN 25 MPH, AND ANY SUSTAINED WINDS GREATER THAN 20 MPH IN A 24 HOUR PERIOD.
8. AFTER ALL LAND DISTURBANCE ACTIVITIES HAVE CEASED AND AFTER ALL DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED, THE EROSION CONTROL DEVICES SHALL BE REMOVED BY THE CONTRACTOR AND THE AREA CLEANED AND DRESSED.
9. DEWATERING OPERATIONS MAY NOT BE DISCHARGED IN A MANNER THAT CAUSES EROSION OF THE SITE OR POLLUTION TO ADJACENT PROPERTIES, STREAMS, DITCHES, OR PUBLIC ROADWAYS.
10. A GRAVELED ACCESS DRIVE OF SUFFICIENT SIZE SHALL BE AT EACH SITE ENTRANCE/EXIT TO PREVENT TRACKING OF DIRT AND SEDIMENT ONTO PUBLIC OR PRIVATE ROADWAYS. IF SEDIMENT REACHES THE ROADWAY, THEN IT MUST BE CLEANED AT THE END OF EACH WORKDAY.
11. ALL LAND DISTURBANCE ACTIVITIES SHALL BE CONDUCTED IN A LOGICAL SEQUENCE TO MINIMIZE THE EXPOSURE OF BARE AREAS AT ANY ONE TIME.
12. ALL DISTURBED AREAS LEFT INACTIVE FOR MORE THAN 13 DAYS SHALL BE SEEDED AND MULCHED IN ACCORDANCE WITH ALDOT SPECIFICATIONS SECTION 652 AND 656.
13. ALL PREVIOUSLY GRADED AREAS SHALL RECEIVE 4 INCHES OF TOPSOIL AND PERMANENT GRASSING UNLESS OTHERWISE INDICATED ON THE LANDSCAPE PLAN.
14. PRIOR TO SITE CLEARING, ALL PERIMETER SILT FENCING, BRUSH BERMS, ETC. AND GRAVELED ACCESS DRIVES SHALL BE INSTALLED.
15. ALL EXISTING STREAMS, DITCHES, ETC. SHALL BE PROTECTED FROM SEDIMENTS AND SILTS BY SILT FENCING, WATTLES, BRUSH BERMS, ETC.
16. WATTLES OR SILT FENCING SHALL BE INSTALLED AT ALL INLETS UPON THE COMPLETION OF EACH INLET AS INSTALLED.
17. RIP RAP SHALL BE PLACED AT EACH HEADWALL IMMEDIATELY FOLLOWING CONSTRUCTION OF EACH HEADWALL.
18. GEOTEXTILE SHALL BE PLACED ON ALL 2:1 SIDE SLOPES. GEOTEXTILE SHALL BE NORTH AMERICAN GREEN SC150 OR APPROVED EQUAL UNLESS OTHERWISE NOTED ON PLANS. ALL GEOTEXTILES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
19. GEOTEXTILE SHALL BE PLACED ON ALL 3:1 SIDE SLOPES. GEOTEXTILE SHALL BE NORTH AMERICAN GREEN S150 OR APPROVED EQUAL UNLESS OTHERWISE NOTED ON PLANS. ALL GEOTEXTILES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
20. GEOTEXTILE SHALL BE PLACED ON ALL DITCH BOTTOMS & 1' UP EACH SIDE. GEOTEXTILE SHALL BE NORTH AMERICAN GREEN SC150 OR APPROVED EQUAL UNLESS OTHERWISE NOTED ON PLANS. ALL GEOTEXTILES SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.

UTILITY NOTES:

1. THE SITE CONTRACTOR IS RESPONSIBLE FOR COMPLETING ALL UTILITY SERVICES (WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, CABLE TV) FROM THE POINT THE RESPECTIVE UTILITY COMPANY COMPLETES THEIR WORK TO THE POINT OF CONNECTION AT THE BUILDING.
2. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING, ELECTRICAL, ETC. PLANS FOR ALL PROPOSED UTILITY POINTS OF CONNECTION AT THE BUILDING. NOTIFY ARCHITECT OF ANY DISCREPANCIES.
3. GRAVITY SEWER SYSTEMS SHALL BE CONSTRUCTED FROM DOWNSTREAM TO UPSTREAM. VERIFY ALL PIPE SLOPES, INVERTS, AND POINTS OF CONNECTION PRIOR TO CONSTRUCTION. NOTIFY LBYD OF ANY DISCREPANCIES.
4. THE CONTRACTOR SHALL VERIFY ALL EXISTING AND PROPOSED GRAVITY SEWER PIPE GRADES AND POINTS OF CONNECTION PRIOR TO INSTALLATION. LBYD SHALL BE NOTIFIED OF ANY DEVIATIONS PRIOR TO CONSTRUCTION.
5. BACKFLOW PREVENTION AND METERING SHALL BE PROVIDED ON THE FIRE, DOMESTIC, AND IRRIGATION SERVICES IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY AND FIRE DEPARTMENT'S REQUIREMENTS.
6. WATER MAINS 4 INCHES IN DIAMETER AND GREATER SHALL BE DIP(CL 350) AND WATER MAINS LESS THAN 3 INCHES IN DIAMETER SHALL BE PVC (SCHD 40) UNLESS OTHERWISE INDICATED ON THE PLANS.
7. WATER MAINS AND SERVICES SHALL BE A MINIMUM OF 10 FEET HORIZONTAL AND 2 FEET VERTICAL FROM ALL SANITARY SEWER MAINS AND LATERALS.
8. WATER MAINS AND SERVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE LOCAL UTILITY COMPANY'S REQUIREMENTS. ALL MAINS AND SERVICES SHALL BE INSTALLED WITH A MINIMUM OF 36" COVER UNLESS OTHERWISE INDICATED ON PLANS.
9. ALL SANITARY SEWER MAINS AND LATERALS SHALL BE DIP(CL 350) OR PVC (SDR-26) UNLESS OTHERWISE REQUIRED BY THE LOCAL UTILITY COMPANY.
10. ALL UNDERGROUND ELECTRICAL, TELEPHONE, AND CABLE TV SHALL BE INSTALLED IN PVC CONDUIT OR CONCRETE ENCASED DUCT BANK WITH PULL WIRE MEETING THE LOCAL UTILITY COMPANY'S REQUIREMENTS. INFORMATION SHOWN ON CIVIL DRAWINGS FOR REFERENCE ONLY. REFER TO ELECTRICAL PLANS FOR SPECIFIC INFORMATION.
11. UTILITY TRENCHES SHALL BE BACKFILLED WITH COMPACTED FILL PLACED IN 6 INCH LOOSE LIFTS. FILL SHALL BE COMPACTED TO 98% STANDARD PROCTOR AND OPTIMUM MOISTURE CONTENT WITHIN ±2.0%.
12. WHEN INSTALLING UTILITIES IN EXISTING PAVED AREAS OR IN AREAS WHERE SOILS ARE CONSIDERED UNSUITABLE FOR BEDDING OR BACKFILLING, UTILITY TRENCHES SHALL BE BACKFILLED FULL DEPTH WITH CRUSHED AGGREGATE.
13. WHERE UTILITIES ARE TO BE INSTALLED IN AREAS OF EXISTING PAVING, HARDSCAPE, SIDEWALKS, ETC. CONTRACTOR SHALL SAWCUT AND REMOVE EXISTING PAVING, HARDSCAPE, SIDEWALK ETC. AND REPLACE IN LIKE KIND AND RESTRIPE AS NECESSARY. BACKFILL TRENCH FULL DEPTH WITH STONE.
14. CONTRACTOR IS RESPONSIBLE FOR ADJUSTING ELEVATIONS OF ALL AT-GRADE EXISTING AND PROPOSED STRUCTURES AND UTILITIES TO REMAIN (VALVE BOXES, MANHOLES, INLETS, VAULTS, ETC) TO MATCH PROPOSED FINISHED GRADES.
15. PROVIDE 4" PVC SCHEDULE 40 GRAVITY DRAIN LINE FROM ALL BELOW GRADE UTILITY VAULTS TO THE NEAREST STORM DRAINAGE INLET OR DAYLIGHT AT GRADE.

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PROJECT NO.
133253.001

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HALL
10/24/2023

SHEET TITLE:
CIVIL GENERAL NOTES

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
C0.1

0 1" 2"

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LATHAN ARCHITECTS

TOPOGRAPHIC SURVEY
BASEBALL FIELDS
GADSDEN STATE COMMUNITY COLLEGE

ABBREVIATIONS

FL	FLOWLINE
FLG	FLOWLINE GUTTER
GI	GRATE INLET
YI	YARD INLET
STMH	STORM MANHOLE
SSMH	SANITARY MANHOLE
RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE
PVC	POLY-VINYL CHLORIDE PIPE
CPP	CORRUGATED PLASTIC PIPE
UP	UTILITY POLE
LP	LIGHT POLE

(GPS OBSERVATION)

GRAPHIC SCALE

100 0 50 100 200 400

(IN FEET)
1 inch = 100 ft.

SURVEY CONTROL

THE BASIS OF BEARINGS AND OR COORDINATES SHOWN ON THIS SURVEY ARE BASED ON ALABAMA STATE PLANE EAST ZONE, GRID NORTH, NAD 83(2011) AND VERTICAL DATUM IS NAVD 88 (GEOID 12B) ELEVATION AND POSITION WAS OBTAINED FROM R.T.K OBSERVATION USING THE ALDOT CORS NETWORK AS CONTROL.

LEGEND

BENCHMARK	OVERHEAD ELECTRIC
367.49 EXISTING SPOT ELEVATION	UNDERGROUND ELECTRIC
CONTROL POINT	TELEPHONE LINE
UTILITY POLE	FIBER OPTIC LINE
LIGHT POLE	UNDERGROUND COMMUNICATION
FIELDLIGHT	WATER LINE
FLOOD LIGHT	GAS LINE
GUY WIRE	SANITARY LINE
ELECTRIC BOX	CHAIN LINK FENCE
ELECTRIC METER	WOOD FENCE
ELECTRICAL MANHOLE	GUARD RAIL
FIRE HYDRANT	100 MAJOR CONTOURS
WATER VALVE	101 MINOR CONTOURS
WATER METER	WALL
WATER MARKER	ASPHALT
TELEPHONE MANHOLE	CONCRETE
TELEPHONE PEDESTAL	GRAVEL
TELEPHONE MARKER	BRICK
FIBER OPTIC BOX	WOOD
FIBER OPTIC MARKER	STONE/FLAGSTONE/RIP-RAP
GAS VALVE	COVERED WALK/CANOPY
GAS REGULATOR	SIGN
GAS METER	BOLLARD
GAS MARKER	HANDICAP MARKING
STORM MANHOLE	CORNER MONUMENT
GRATE INLET	AC
YARD INLET	
DOWNSPOUT	
SANITARY MANHOLE	
CLEANOUT	

I HEREBY STATE THAT ALL PARTS OF THIS SURVEY AND DRAWING HAVE BEEN COMPLETED IN ACCORDANCE WITH THE CURRENT REQUIREMENTS OF THE STANDARDS OF PRACTICE FOR SURVEYING IN THE STATE OF ALABAMA TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

SURVEYOR:

JEFF D. ARRINGTON
ALABAMA NO. 18664

DATE: 9-28-2023

NOTES:
1. NO TITLE SEARCH OF THE PUBLIC RECORDS HAS BEEN PERFORMED BY THIS FIRM AND LANDS SHOWN HEREON WERE NOT ABSTRACTED FOR EASEMENTS AND/OR RIGHTS OF WAYS, RECORDED OR UNRECORDED. THE PARCEL SHOWN HEREON IS SUBJECT TO SETBACKS, EASEMENTS, ZONING, AND RESTRICTIONS THAT MAY BE FOUND IN THE PUBLIC RECORD OF SAID COUNTY.
2. ALL BEARINGS AND/OR ANGLES, AND DISTANCES ARE DEED AND ACTUAL UNLESS OTHERWISE NOTED. DEED=(D); MEASURED=(M); RECORD MAP/PLAT=(P); CALCULATED=(C).
3. UNDERGROUND PORTIONS OF FOUNDATIONS, FOOTINGS, OR OTHER UNDERGROUND STRUCTURES WERE NOT LOCATED UNLESS OTHERWISE NOTED.
4. THIS SURVEY IS VALID ONLY WITH AN ORIGINAL SIGNATURE AND A LEGIBLE SEAL.

811 Know what's below. Call before you dig.
Call 2 working days before digging. It's the Law!

ARRINGTON ENGINEERING
Civil Engineers - Surveyors - Land Planners
Office: (205) 985-9315
Fax: (205) 985-9385
2032 Valleydale Road
Birmingham AL 35244

DRAWING TITLE	TOPOGRAPHIC SURVEY BASEBALL FIELDS GADSDEN STATE COMMUNITY COLLEGE
LOCATION & DESCRIPTION	GADSDEN, ALABAMA

STATE OF ALABAMA REGISTERED #18664 PROFESSIONAL LAND SURVEYOR JEFF D. ARRINGTON

DRAWN BY	JDA
CHECKED BY:	JDA
DATE:	8-30-2023
SCALE:	1" = 100'
PARTY CHIEF	JJ
PROJECT NO.:	82323A
SHEET	1 OF 1

G:\2023 PROJECTS\Gadsden State\82323 - Gadsden State Baseball\DWG\82323A.dwg

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

SHEET TITLE:
TOPOGRAPHIC SURVEY

PROJ. MGR.:	CAH
DRAWN:	BDS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66

SHEET NO:
C0.2

0 1" 2"

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LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

EXISTING ASPHALT PAVEMENT (TO BE REMOVED)
EXISTING STORM PIPE (TO BE REMOVED)
EXISTING STORM PIPE (TO BE REMOVED)
EXISTING POWER POLE AND GUY WIRE (TO BE REMOVED)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING DUGOUT (TO BE REMOVED)
EXISTING BLEACHERS AND CONCRETE PAD (TO BE REMOVED)
EXISTING CHAIN LINK FENCE (TO BE REMOVED)
EXISTING GRAVEL (TO BE REMOVED)
EXISTING ASPHALT PAVEMENT (TO BE REMOVED)
EXISTING FOUL POLE (TO BE REMOVED)
EXISTING BUILDING AND SLAB (TO BE REMOVED)
EXISTING DUGOUT (TO BE REMOVED)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING CHAIN LINK FENCE (TO BE REMOVED)
EXISTING ASPHALT PAVEMENT (TO BE REMOVED)
EXISTING PRESSBOX (TO BE REMOVED)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING CANOPY (TO BE REMOVED)
EXISTING CHAIN LINK FENCE (TO BE REMOVED)
EXISTING CHAIN LINK FENCE (TO BE REMOVED)
EXISTING FOUL POLE (TO BE REMOVED)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING SCOREBOARD (TO BE REMOVED)
EXISTING UTILITY POLES (TO BE REMOVED)
EXISTING GUY WIRE (TO BE REMOVED)
EXISTING CHAIN LINK FENCE (TO BE REMOVED)
EXISTING BUILDINGS (TO REMAIN)
EXISTING ASPHALT PAVEMENT (TO REMAIN)
EXISTING FIRE HYDRANT (TO REMAIN)
EXISTING SIDEWALK (TO REMAIN)
EXISTING LIGHT POLE (TO REMAIN)
EXISTING 6" WATER LINE (TO REMAIN)
EXISTING WATER VAULT & METER (TO REMAIN)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING CHAIN LINK FENCE (TO REMAIN)
EXISTING FIELD LIGHT (TO REMAIN)
EXISTING STORM PIPE AND YARD INLET (TO REMAIN)
EXISTING 2" WATER LINE (TO REMAIN)
EXISTING FIELD LIGHT (TO BE REMOVED)
EXISTING FIELD LIGHT (TO REMAIN)
EXISTING CHAIN LINK FENCE (TO REMAIN)

SPECIAL NOTE:
1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

DEMOLITION LEGEND
- PAVING TO BE REMOVED
- ITEM TO BE REMOVED
- ITEM TO BE REMOVED

SCALE: 1"=30'

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 24443 CHRISTOPHER ALLEN 10/24/2023

SHEET TITLE:
SITE DEMOLITION PLAN

PROJ. MGR.:	CAH
DRAWN:	BDS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66

SHEET NO:
C1.0

LBYD, Inc.
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Main (205) 251-4500
PROJECT NO.
133253.001

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

HEAVY DUTY ASPHALT PAVING (TYP.) (SEE DETAIL)
DUMPSTER PAD - CONCRETE PAVING WITH 6" HEADER CURB (SEE DETAILS)
8' HIGH BLACK VINYL CHAIN LINK FENCE WITH PRIVACY SLATS. FENCE SHALL HAVE 2-6' WIDE GATES WITH PRIVACY SLATS.
BOLLARD (SEE DETAIL)
N 1269080.58 E 606481.84
N 1269020.17 E 606486.34
ADA PARKING SIGN (SEE DETAIL)
18" CURB AND GUTTER (TYP.) (SEE DETAIL)
4" WHITE STRIPE (TYP.)
ADA STRIPING AND SYMBOL (SEE DETAIL)
INLINE RAMP (SEE DETAIL)
STANDARD DUTY ASPHALT PAVING (TYP.) (SEE DETAIL)
6" HEADER CURB (SEE DETAIL)
CONCRETE PAVING (SEE DETAIL)
CONCRETE SIDEWALK (TYP.) (SEE DETAIL)
ORNAMENTAL FENCE WITH GATE (SEE ARCHITECTURAL PLANS)
BLEACHER PAVING (SEE DETAIL)
N 1268907.99 E 606567.99
SEE ARCHITECTURAL PLANS FOR BLEACHERS
FIELD NETTING (SEE LANDSCAPE PLANS)
6' HIGH BLACK VINYL CHAIN LINK FENCE (SEE DETAIL)
VISITOR DUGOUT (SEE ARCHITECTURAL PLANS)
FFE=551.38'
N 1268900.96 E 606379.39
N 1268867.01 E 606480.71
HOME DUGOUT (SEE ARCHITECTURAL PLANS)
BULLPEN (SEE ARCHITECTURAL PLANS)
N 1268852.97 E 606283.87
PROPOSED SOFTBALL FIELD (SEE LANDSCAPE PLANS)
N 1268808.23 E 606289.54
FLAG POLE (SEE ARCHITECTURAL PLANS)
SCOREBOARD (BY OWNER)
CHAIN LINK FENCE (SEE LANDSCAPE PLANS)
N 1268874.39 E 606570.02
N 1268860.74 E 606546.33
N 1268808.54 E 606562.56
PERIMETER SIDEWALK - FLUSH (SEE DETAIL). PROVIDE IN ALL AREAS WHERE SIDEWALK ABUTS NEW SYNTHETIC TURF
FIELD NETTING (SEE LANDSCAPE PLANS)
BULLPEN (SEE ARCHITECTURAL PLANS)
N 1268675.84 E 606539.47
CONCRETE SIDEWALK (TYP.) (SEE DETAIL)
N 1268649.56 E 606584.70
TURNDOWN SIDEWALK (SEE DETAIL)
N 1268631.58 E 606598.10
CONCESSION STAND (SEE ARCHITECTURAL PLANS)
N 1268624.87 E 606504.15
N 1268602.46 E 606503.13
PERIMETER SIDEWALK - FLUSH (SEE DETAIL). PROVIDE IN ALL AREAS WHERE SIDEWALK ABUTS NEW SYNTHETIC TURF
BATTING CAGE (SEE LANDSCAPE PLANS)
N 1268487.67 E 606522.50
N 1268877.30 E 606960.11
HEAVY DUTY ASPHALT PAVING (TYP.) (SEE DETAIL)
STANDARD DUTY ASPHALT PAVING (TYP.) (SEE DETAIL)
N 1268745.40 E 607077.49
N 1268727.15 E 607064.36
TIE TO EXISTING ASPHALT PAVING WITH SMOOTH TRANSITION AND NO PONDING OF STORMWATER
N 1268712.06 E 607047.24
TIE TO EXISTING SIDEWALK
N 1268878.92 E 606801.36
CHAIN LINK FENCE (SEE LANDSCAPE PLANS)
CONCRETE SIDEWALK (TYP.) (SEE DETAIL)
SCOREBOARD (BY OWNER)
FLAG POLE (SEE ARCHITECTURAL PLANS)
PROPOSED BASEBALL FIELD (SEE LANDSCAPE PLANS)
N 1268803.81 E 606611.31
N 1268594.80 E 607004.69
6' HIGH BLACK VINYL CHAIN LINK FENCE SEE DETAIL)
(2) - 3' GATES
TIE TO EXISTING FENCE
CHAIN LINK FENCE (SEE LANDSCAPE PLANS)
HOME DUGOUT (SEE ARCHITECTURAL PLANS)
N 1268502.62 E 606703.49
FIELD NETTING (SEE LANDSCAPE PLANS)
N 1268472.09 E 606844.08
N 1268461.73 E 606837.53
VISITOR DUGOUT (SEE ARCHITECTURAL PLANS)
6' HIGH BLACK VINYL CHAIN LINK FENCE SEE DETAIL)
6' HIGH BLACK VINYL CHAIN LINK FENCE (SEE DETAIL)
SEE ARCHITECTURAL PLANS FOR BLEACHERS
BLEACHER PAVING (SEE DETAIL)

SPECIAL NOTE:
1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.

SITE LAYOUT LEGEND
- STANDARD DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- CONCRETE SIDEWALK
- CONCRETE PAVING
- BLEACHER PAVING
- PERIMETER SIDEWALK
- TURNDOWN SIDEWALK

SCALE: 1"=30'

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRIS ALLEN WHITE 10/24/2023

SHEET TITLE:
SITE LAYOUT PLAN

PROJ. MGR.:	CAH
DRAWN:	BDS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66

SHEET NO:
C2.0

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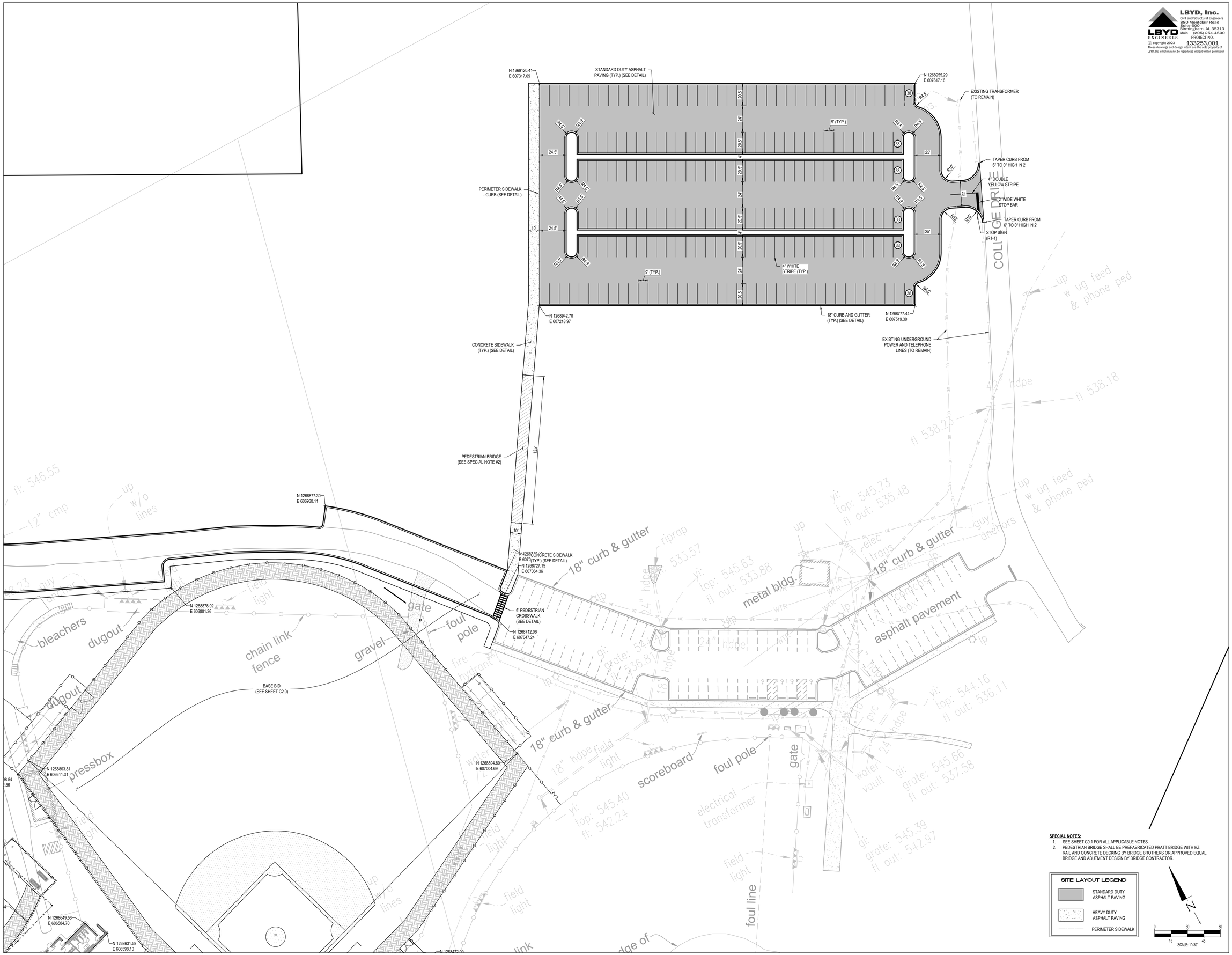
LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903



SPECIAL NOTES:
1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. PEDESTRIAN BRIDGE SHALL BE PREFABRICATED PRATT BRIDGE WITH HZ RAIL AND CONCRETE DECKING BY BRIDGE BROTHERS OR APPROVED EQUAL. BRIDGE AND ABUTMENT DESIGN BY BRIDGE CONTRACTOR.

SITE LAYOUT LEGEND
- STANDARD DUTY ASPHALT PAVING
- HEAVY DUTY ASPHALT PAVING
- PERIMETER SIDEWALK

SCALE: 1"=30'

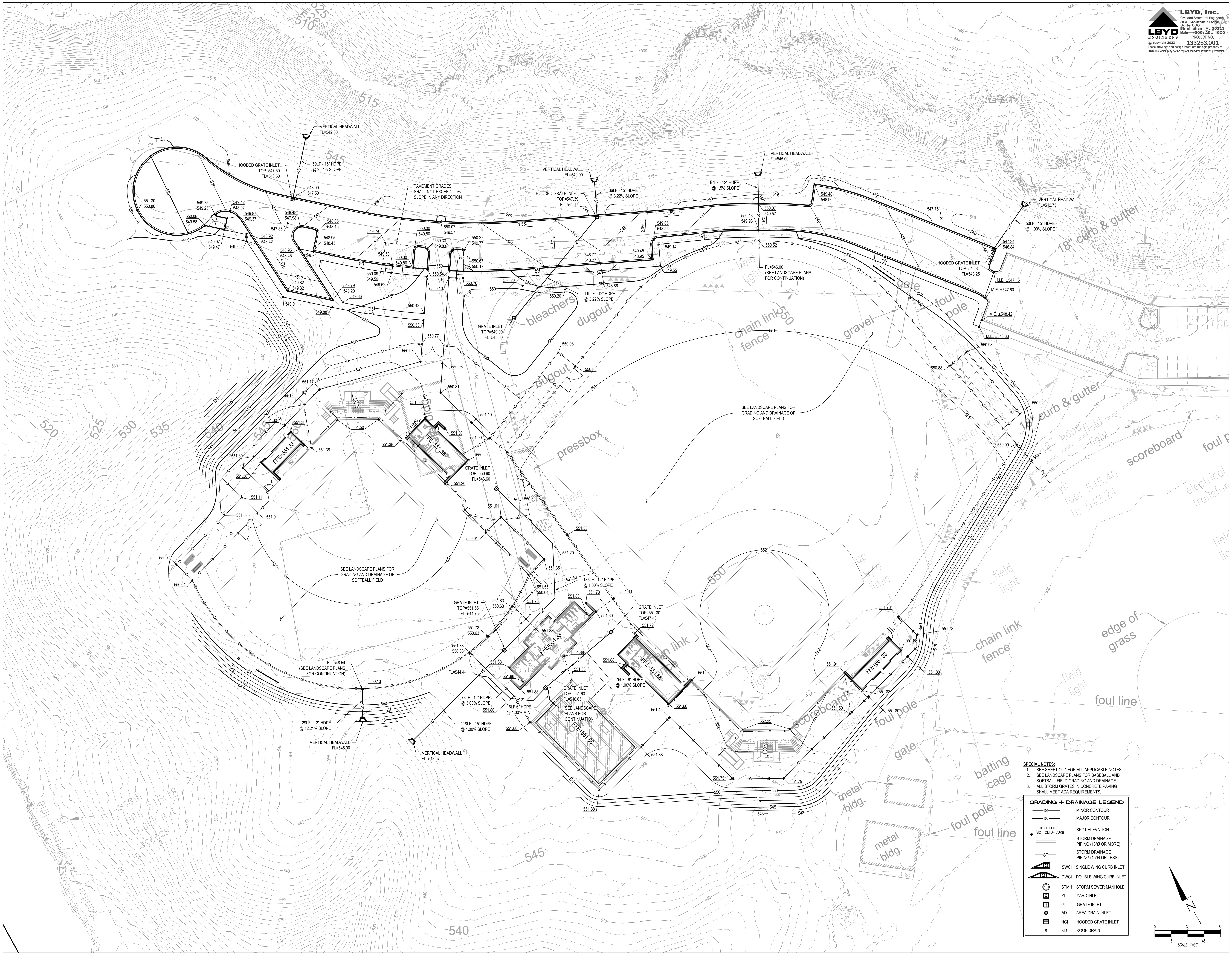
ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HALL
10/24/2023

SHEET TITLE:
SITE LAYOUT PLAN (ALTERNATE)

PROJ. MGR.:	CAH
DRAWN:	BDS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66

SHEET NO:
C2.1



SPECIAL NOTES:

1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. SEE LANDSCAPE PLANS FOR BASEBALL AND SOFTBALL FIELD GRADING AND DRAINAGE.
3. ALL STORM GRATES IN CONCRETE PAVING SHALL MEET ADA REQUIREMENTS.

GRADING + DRAINAGE LEGEND

—101—		MINOR CONTOUR
—100—		MAJOR CONTOUR
TOP OF CURB / BOTTOM OF CURB		SPOT ELEVATION
═		STORM DRAINAGE PIPING (18"Ø OR MORE)
—ST—		STORM DRAINAGE PIPING (15"Ø OR LESS)
	SWCI	SINGLE WING CURB INLET
	DWCI	DOUBLE WING CURB INLET
	STMH	STORM SEWER MANHOLE
	YI	YARD INLET
	GI	GRATE INLET
●	AD	AREA DRAIN INLET
	HGI	HOODED GRATE INLET
	RD	ROOF DRAIN

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PROJECT NO.
133253.001

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HARRIS
10/24/2023

SHEET TITLE:
GRADING & DRAINAGE PLAN

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
C3.0

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13253.001

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

3' WIDE DITCH, 1' DEEP MIN. WITH 3:1 SIDE SLOPES

CONTRACTOR SHALL USE EXTREME CAUTION WHEN GRADING AROUND THE EXISTING TRANSFORMER

ROADSIDE DITCH INLET
THROAT=552.50
FL=550.00

56LF - 15" HDPE
@ 1.00% SLOPE

SLOPE PAVED HEADWALL
FL=549.44

SINGLE WING CURB INLET
TOP=550.00
FL=545.65

69LF - 18" HDPE
@ 1.95% SLOPE

SINGLE WING CURB INLET
TOP=548.12
FL=544.30

76LF - 18" HDPE
@ 1.95% SLOPE

SINGLE WING CURB INLET
TOP=545.80
FL=543.34

52LF - 18" HDPE
@ 1.00% SLOPE

STORM MANHOLE
TOP=546.25
FL=542.82

82LF - 24" HDPE
@ 1.00% SLOPE

VERTICAL HEADWALL
FL=542.00

BRIDGE ABUTMENT

PEDESTRIAN BRIDGE
(SEE SPECIAL NOTE #2)

BRIDGE ABUTMENT

BASE BID
(SEE SHEET C3.0)

COLLEGE DRIVE

bleachers
dugout
dugout
pressbox
chain link fence
gravel
gate
foul pole
18" curb & gutter
18" curb & gutter
18" curb & gutter
metal bldg.
asphalt pavement
scoreboard
foul pole
gate
electrical transformer
foul line
field light
guy anchors
w/ ug feed & phone ped
up
inlet
box
vault
gi:
grate: 546.68
fl out: 537.58
grate: 545.39
fl out: 542.97
yi:
top: 545.40
fl: 542.24
24" hdpe
fl in: 536.85
fl out: 536.75

SPECIAL NOTE:
1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. PEDESTRIAN BRIDGE SHALL BE PREFABRICATED PRATT BRIDGE WITH H2 RAIL AND CONCRETE DECKING BY BRIDGE BROTHERS OR APPROVED EQUAL. BRIDGE AND ABUTMENT DESIGN BY BRIDGE CONTRACTOR.

GRADING + DRAINAGE LEGEND

101		MINOR CONTOUR
100		MAJOR CONTOUR
TOP OF CURB / BOTTOM OF CURB	+	SPOT ELEVATION
		STORM DRAINAGE PIPING (18"Ø OR MORE)
ST		STORM DRAINAGE PIPING (15"Ø OR LESS)
	SWCI	SINGLE WING CURB INLET
	DWCI	DOUBLE WING CURB INLET
	STMH	STORM SEWER MANHOLE
	YI	YARD INLET
	GI	GRATE INLET
	AD	AREA DRAIN INLET
	HGI	HOODED GRATE INLET
	RD	ROOF DRAIN

N

0 30 60
15 45
SCALE: 1"=30'

0 1" 2"

ALABAMA LICENSED No. 24442 PROFESSIONAL ENGINEER ARTHUR ALLEN HAM
10/24/2023

SHEET TITLE:
GRADING & DRAINAGE PLAN (ALTERNATE)

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
C3.1

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PROJECT NO.
133253.001

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

SPECIAL NOTES:
1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING FINAL STABILIZATION MEASURES.

ALABAMA EROSION CONTROL LEGEND

SB	SILT FENCING	TSG	TOPSOIL
WIP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
CdR	RIP RAP CHECK DAM	PS	PERMANENT SEEDING
CEP	CONSTRUCTION EXIT PAD	TS	TEMPORARY SEEDING
OP	OUTLET PROTECTION	SOD	SODDING
IP1	SILT SAVER INLET PROTECTION	MU	MULCHING
IP2	DANDY SACK INLET PROTECTION	SU	SURFACE ROUGHENING
		LS	LANDSCAPE (SEE LANDSCAPE PLANS)

SCALE: 1"=30'

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 24441
CHRISTOPHER A. HOLT
10/27/2023

SHEET TITLE:
EROSION CONTROL PLAN

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
C4.0

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PROJECT NO.
133253.001

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 24442 REGISTERED ENGINEER CAPHAR ALLEN IRBY
10/24/2023

SHEET TITLE:
EROSION CONTROL PLAN (ALTERNATE)

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
C4.1

SPECIAL NOTES:
1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. SEE LANDSCAPE PLANS FOR ADDITIONAL INFORMATION REGARDING FINAL STABILIZATION MEASURES.

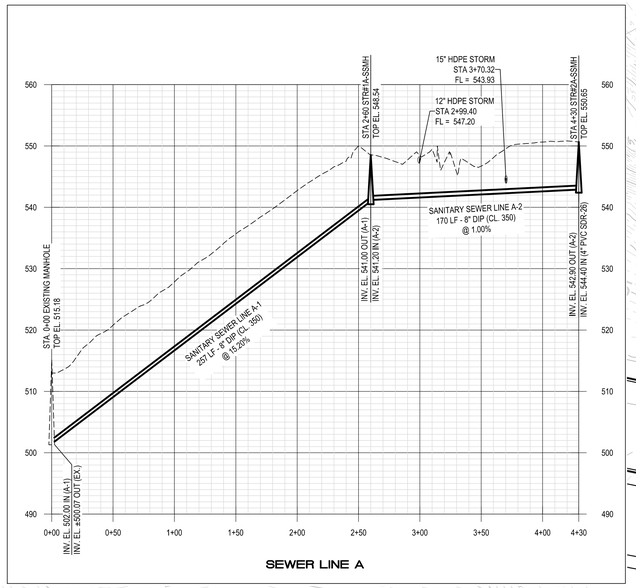
ALABAMA EROSION CONTROL LEGEND

SB	SILT FENCING	TSG	TOPSOIL
WIP	WATTLE INLET PROTECTION	ECB	EROSION CONTROL BLANKET
CDW	WATTLE CHECK DAM	DV	DIVERSION BERM
CdR	RIP RAP CHECK DAM	PS	PERMANENT SEEDING
CEP	CONSTRUCTION EXIT PAD	TS	TEMPORARY SEEDING
OP	OUTLET PROTECTION	SOD	SODDING
IP1	SILT SAVER INLET PROTECTION	MU	MULCHING
IP2	DANDY SACK INLET PROTECTION	SU	SURFACE ROUGHENING
		LS	LANDSCAPE (SEE LANDSCAPE PLANS)

N

0 30 60
15 45
SCALE: 1"=30'

0 1" 2"



SEWER LINE A

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LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

FIRE HYDRANT (SEE DETAIL)
2" WATER METER PER WATER AUTHORITY'S REQUIREMENTS
6" DIP (CL 350) WATER MAIN
GATE VALVE (TYP.) (SEE DETAIL)
THRUST BLOCK (TYP.) (SEE DETAIL)
2" DOUBLE CHCK BACKFLOW PREVENTER IN A BELOW GRADE VAULT
2" RPZ BACKFLOW PREVENTER IN AN ABOVE GROUND, FREEZE-PROOF ENCLOSURE SEE IRRIGATION PLANS FOR CONTINUATION
2" PVC (SCH. 40) WATER SERVICE
GATE VALVE (SEE DETAIL)
1.5" PVC (SCH. 40) WATER SERVICE
SEE PLUMBING PLANS FOR CONTINUATION
CLEANOUT FL=548.38 (SEE DETAIL)
FFE=551.38
80LF - 4" PVC (SDR-26) @ 1.0% SLOPE
CLEANOUT FL=547.58 (SEE DETAIL)
89LF - 4" PVC (SDR-26) @ 1.0% SLOPE
CLEANOUT FL=546.69 (SEE DETAIL)
GATE VALVE (SEE DETAIL)
89LF - 4" PVC (SDR-26) @ 1.0% SLOPE
1.5" PVC (SCH. 40) WATER SERVICE
CLEANOUT FL=545.80 (SEE DETAIL)
28LF - 4" PVC (SDR-26) @ 11.0% SLOPE
CLEANOUT FL=548.88 (SEE DETAIL)
SEE PLUMBING PLANS FOR CONTINUATION
FFE=551.88
FL=545.46
70LF - 4" PVC (SDR 26) @ 1.0% SLOPE
10LF - 4" PVC (SDR-26) @ 29.2% SLOPE
CLEANOUT FL=545.10 (SEE DETAIL)
70LF - 4" PVC (SDR 26) @ 1.0% SLOPE
6" DIP (CL 350) WATER MAIN
THRUST BLOCK (TYP.) (SEE DETAIL)
TIE TO EXISTING 6" WATER LINE
TIE TO EXISTING MANHOLE WITH NEOPRENE BOOT
1A
2A
A-1
A-2

SPECIAL NOTES:
1. SEE SHEET C0.1 FOR ALL APPLICABLE NOTES.
2. SEE IRRIGATION PLANS FOR IRRIGATION DESIGN.
3. SEE ELECTRICAL PLANS FOR POWER SERVICE AND SITE LIGHTING.

UTILITY LEGEND

—F—	FIRE SERVICE
—W—	DOMESTIC WATER
—IRR—	IRRIGATION SERVICE
—COMM—	COMMUNICATION
—UGP—	UNDERGROUND POWER
—OHP—	OVERHEAD POWER
—GAS—	GAS
—SS—	SANITARY SEWER
	FIRE HYDRANT
	SANITARY SEWER MANHOLE
CO	CLEANOUT

N

0 30 60
15 45
SCALE: 1"=30'

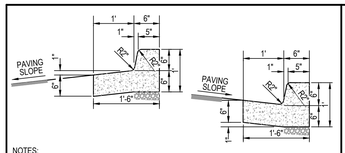
ALABAMA LICENSED No. 24443 PROFESSIONAL ENGINEER CHRISTOPHER ALLEN HOWELL
10/24/2023

SHEET TITLE:
SITE UTILITY PLAN

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

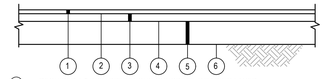
JOB NO. 23-66
SHEET NO:
C5.0

0 1" 2"



NOTES:
1. SLOPE GUTTER AS SHOWN ACCORDING TO PAVING SLOPE. THIS SLOPE SHALL NOT EXCEED 5% TO COMPLY WITH ADA REQUIREMENTS AT ANY HANDICAP RAMP.
2. PROVIDE EXPANSION JOINTS WITH PREFORMED JOINT FILLER MATERIAL CUT TO MATCH SHAPE OF CURB AND GUTTER OF AT LEAST 1/2 INCH IN WIDTH AT INTERVALS NOT LESS THAN 30' NOR GREATER THAN 100' AND AT P.C.'S AND P.T.'S OF ALL CURVES, AT STRUCTURES (CURB INLETS, WHEELCHAIR RAMPS, ETC.).
3. SAWCUT 3/16" JOINTS AT SPACING NOT LESS THAN 5' AND NOT TO EXCEED 15' JOINT DEPTH SHALL BE 1/4 DEPTH OF CURB/GUTTER. JOINT TO BE PERPENDICULAR TO THE RUN OF THE CURB AND GUTTER.
4. IF ADJACENT TO CONCRETE PAVING SIDEWALK LINE UP JOINTS WITH ADJACENT CONCRETE JOINTS.
5. 3,500 PSI CONCRETE UNLESS STATED OTHERWISE.
6. PROVIDE 6" CRUSHED STONE BASE UNDER ALL CURBS AND GUTTERS.
7. VERIFY SHAPE OF CURB TO MATCH ANY EXISTING CONDITIONS OR LOCAL STANDARDS.

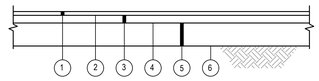
18" CURB & GUTTER
N.T.S.



1. REQUIRED 1.5 INCH BITUMINOUS CONCRETE, WEARING LAYER (ALDOT 424A - ¾" MAX AGGREGATE SIZE).
2. REQUIRED TACK COAT (ALDOT 405).
3. REQUIRED 2 INCHES BITUMINOUS CONCRETE, BINDER LAYER (ALDOT 424B- 1" MAX AGGREGATE SIZE).
4. REQUIRED BITUMINOUS TREATMENT (PRIME) (ALDOT 401, TYPE A)
5. REQUIRED 6 INCHES CRUSHED AGGREGATE BASE COURSE, TYPE B, (ALDOT 825).
6. SUBGRADE: TOP 12 INCHES - 98% COMPACTION ASTM D-698.

NOTE: ALL MIX DESIGNS ARE PER THE "ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" - 2018 EDITION.

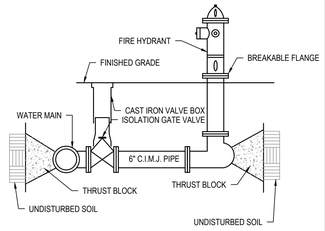
STANDARD DUTY ASPHALT PAVING
N.T.S.



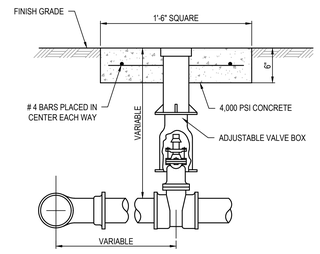
1. REQUIRED 1.5" IMPROVED BITUMINOUS CONCRETE, WEARING LAYER (ALDOT 424A)
2. REQUIRED TACK COAT (ALDOT 405).
3. REQUIRED 2" BITUMINOUS CONCRETE UPPER BINDER LAYER (ALDOT 424B).
4. REQUIRED BITUMINOUS TREATMENT (PRIME) (ALDOT 401, TYPE A).
5. REQUIRED 8" CRUSHED AGGREGATE BASE COURSE, TYPE B, (ALDOT 825).
6. SUBGRADE: TOP 12 INCHES - 98% COMPACTION (ASTM D-698).

NOTE: ALL MIX DESIGNS ARE PER THE "ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" - 2018 EDITION.

HEAVY DUTY ASPHALT PAVING
N.T.S.



FIRE HYDRANT ASSEMBLY
N.T.S.



TYPICAL GATE VALVE
N.T.S.

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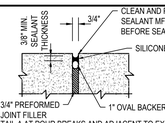
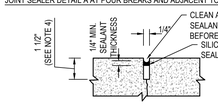
13253.001

LATHAN ARCHITECTS

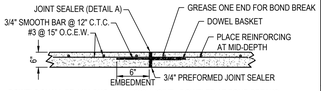
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903



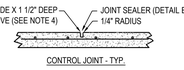
JOINT SEALER DETAIL A AT POUR BREAKS AND ADJACENT TO EXISTING CONCRETE



JOINT SEALER DETAIL B SAW CUT JOINT



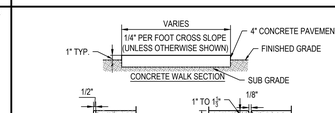
DOWELS SHALL BE 14" LONG EXPANSION JOINT - DOWELED AT POUR BREAKS



CONTROL JOINT - TYP.

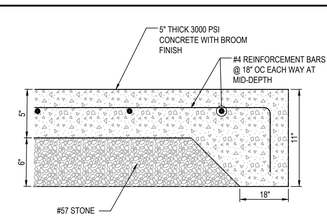
NOTES:
1. CONTRACTOR SHALL INSTALL 4" OF CRUSHED AGGREGATE BASE COURSE, TYPE B (ALDOT 825) UNDER ALL CONCRETE PAVING
2. CONCRETE SHALL HAVE 4000 PSI AT 28 DAYS
3. CONTRACTOR SHALL INSTALL CONTROL JOINTS IN CONCRETE PAVING AT 12' MAX SPACING BOTH WAYS. COORDINATE WITH ARCHITECTURAL PLANS FOR SCORING PATTERN.
4. CONTROL JOINT TO BE 1/4 OF THE SLAB THICKNESS TYPICALLY.
5. EXPANSION JOINTS AT POUR BREAKS AND 100' MAX SPACING. COORDINATE WITH CONTROL JOINTS. WHERE CONCRETE PAVING ABUTS BUILDING STRUCTURES, COLUMNS, FOOTINGS, POLE BASES, INLETS AND OTHER SIMILAR IMMOVABLE OBJECTS, CONTRACTOR SHALL PROVIDE EXPANSION JOINT WITH FILLER MATERIAL. CONTRACTOR SHALL ALSO PROVIDE CONTROL JOINTS TO MINIMIZE POTENTIAL FOR CRACKING. COORDINATE WITH ENGINEER FOR LOCATIONS.
6. IN LIEU OF REINFORCEMENT SHOWN, CONTRACTOR MAY USE 4x4 W2.9/W2.9 WELDED WIRE FABRIC.
7. IF DRY-CUTTING OF CONTROL JOINTS IS USED, AN ABRASIVE BLADE MAY BE USED IN LIEU OF SANDBLASTING.

CONCRETE PAVING
N.T.S.



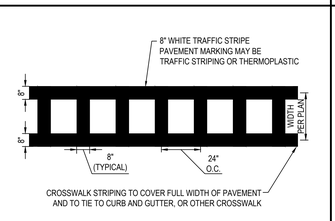
NOTES:
1. CONTRACTION (SAW CUT) JOINTS TO BE EVERY 5 TO 8 FEET WITH A MAXIMUM SPACING OF TWICE THE SLAB THICKNESS IN FEET; CUT TO A DEPTH OF 1" MINIMUM TO 1¼" MAXIMUM.
2. CUT CONTRACTION JOINTS BETWEEN 2 HOURS AND 12 HOURS OF CONCRETE PLACEMENT.
3. PLACE ISOLATION JOINTS WHEN ADJACENT TO BUILDINGS, CURBS, ETC. USE A ½" THICK PRE-MOULDED EXPANSION JOINT FILLER CONFORMING TO ASTM D1751 OR D1752 TO CREATE A BOND BREAK. INSTALL JOINT SEALER OVER JOINT FILLER.
4. CONCRETE TO BE 4000 PSI COMPRESSIVE STRENGTH UNLESS OTHERWISE NOTED.
5. PLACE SIDEWALK ON COMPACTED SUBGRADE- 98% STANDARD PROCTOR DENSITY (ASTM D698) UNLESS OTHERWISE NOTED.

TYPICAL SIDEWALK DETAIL
N.T.S.



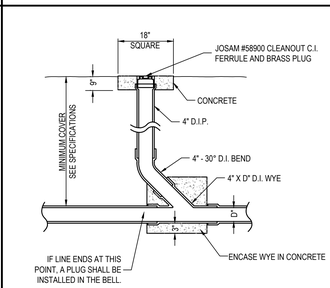
NOTE:
SEE ARCHITECTURAL PLAN FOR CONCRETE JOINTING.

PAVING SECTION UNDER BLEACHERS
N.T.S.

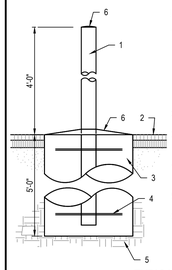


NOTES:
1. CROSSWALK LINES SHALL CONSIST OF SOLID WHITE LINES THAT MARK THE CROSSWALK. THE LINES SHALL NOT BE LESS THAN 8" IN WIDTH.
2. CROSSWALK LINES SHOULD EXTEND THE FULL WIDTH OF PAVEMENT FROM CURB TO CURB OR TO THE EDGE OF THE INTERSECTING CROSSWALK.
3. FOR ADDED VISIBILITY, THE CROSSWALK AREA MAY BE MARKED WITH WHITE DIAGONAL LINES AT 45 DEGREE ANGLE TO THE LINE OF THE CROSSWALK.

PEDESTRIAN CROSSWALK
N.T.S.

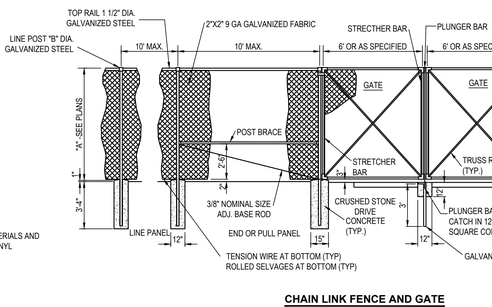


TYPICAL CLEANOUT
N.T.S.



KEYED NOTES:
1. FORM. 6"Ø STANDARD STL. PIPE CONCRETE FILLED AT ALL LOCATIONS INCLUDING UTILITIES, TRASH ENCLOSURE, AND SPRINKLER RISERS. PROVIDE 1/4" WELDED CLOSURE PLATE AT BOTTOM. PAINT EXPOSED PIPE YELLOW.
2. TOP OF PAVEMENT
3. 24" Ø CONCRETE FOUNDATION, USE SONOTUBE FORM.
4. 3/8" Ø WELDED HOOPS, 18" Ø TOP, BOTTOM, AND CENTER
5. SOLID UNDISTURBED SOIL.
6. PROVIDED PITCH, SMOOTH CONCRETE FINISH.

TYPICAL PIPE BOLLARD GUARD STANDARD
N.T.S.

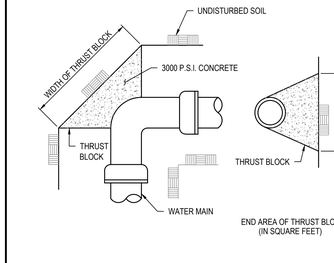


FINISH NOTE:
ALL FENCING FABRIC, FRAME MATERIALS AND ACCESSORIES SHALL BE BLACK VINYL COATED.

"A" HEIGHT	"B" LINE POST	"C" END POST
6'	2.375" DIA.	2.5" DIA.

NOTES:
1. FENCE CONSTRUCTION SHALL BE IN ACCORDANCE WITH ALDOT STANDARD SPECIFICATIONS, SECTION 634.
2. FOR ATHLETIC FIELDS, SEE LANDSCAPE PLANS.

CHAIN LINK FENCE AND GATE
N.T.S.



THRUST AT FITTINGS IN POUNDS*

PIPE SIZE	90° BEND	45° BEND	22.5° BEND	TEE OR PLUG
4"	2,666	1,443	735	1,885
6"	5,998	3,246	1,655	4,241
8"	10,663	5,771	2,942	7,540
10"	16,661	9,017	4,597	11,781
12"	23,992	12,984	6,619	16,965
14"	32,655	17,673	9,010	23,091
16"	42,652	23,083	11,768	30,160
18"	53,981	29,214	14,893	38,170
20"	66,643	36,067	18,387	47,124
24"	95,966	51,937	26,477	67,858

*BASED ON 150 PSI TEST PRESSURE

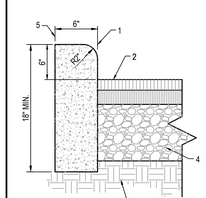
SOIL BEARING LOAD

SOIL	BEARING LOAD P.S.F.
MUCK	0
SOFT CLAY	1,000
SILT	1,500
SANDY SILT	3,000
SAND	4,000
SANDY CLAY	6,000
HARD PAN	9,000

END AREA OF THRUST BLOCK (IN SQUARE FEET) = THRUST (AT FITTING) / SOIL BEARING LOAD (AT FITTING) X 1.5

NOTE: THE WIDTH OF THE THRUST BLOCK SHALL BE 2X THE DEPTH OF THE THRUST BLOCK.

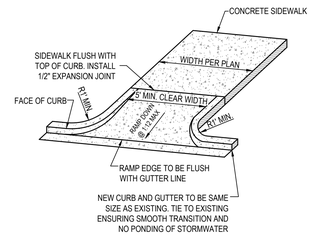
TYPICAL THRUST BLOCK
N.T.S.



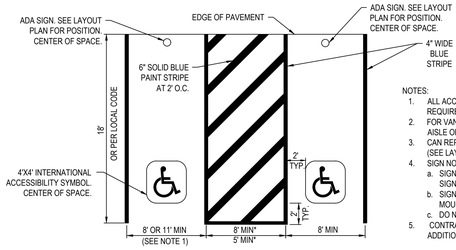
NOTE:
ALL CURBS TO HAVE 3/4" EXPANSION JOINTS AT MAXIMUM 100 FEET WITH DOWELS AND CONTROL JOINTS AT MAX. 10 FEET.

KEYED NOTES:
1. LINE OF FACE OF CURB (CURB GRADE SHOWN ON PLAN)
2. PAVEMENT GRADE SHOWN ON PLAN
3. PREPARED SUB-GRADE
4. STONE BASE
5. LINE FOR BACK OF CURB

6" HEADER CURB
N.T.S.



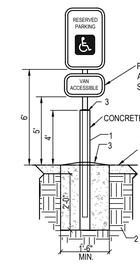
ADA CURB RETURN RAMP
N.T.S.



* 8' VAN ACCESSIBLE SPACE SHOWN. SEE NOTE 2.

NOTES:
1. ALL ACCESSIBLE PARKING AND ROUTES TO CONFORM TO THE REQUIREMENTS OF THE AMERICANS WITH DISABILITIES ACT.
2. FOR VAN SPACE, 8' MINIMUM SPACE WITH 8' MINIMUM ACCESS AISLE OR 11' MINIMUM SPACE WITH 5' MINIMUM ACCESS AISLE.
3. CAN REPEAT DETAIL IF ADDITIONAL SPACES ARE REQUIRED. (SEE LAYOUT PLAN).
4. SIGN NOTES:
   a. SIGNS LOCATED IN PAVEMENT SHALL BE BOLLARD TYPE SIGN. SEE BOLLARD MOUNTED ACCESSIBLE SIGN DETAIL.
   b. SIGNS LOCATED BEYOND PAVEMENT SHOULD BE MOUNTED ON POST PER ACCESSIBLE SIGN DETAIL.
   c. DO NOT PLACE SIGNS WITHIN THE ACCESSIBLE ROUTE
5. CONTRACTOR TO VERIFY WITH LOCAL CODES FOR ANY ADDITIONAL REQUIREMENTS.

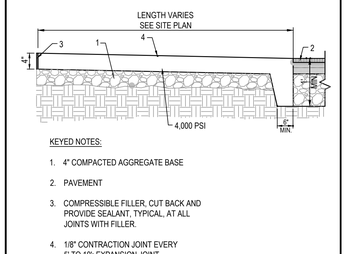
ACCESSIBLE PARKING
N.T.S.



NOTES:
1. ADA ACCESSIBLE PARKING SIGN SHALL CONFORM TO ALL GOVERNING REGULATIONS.
2. ADA ACCESSIBLE SIGN SHALL BE 12" x 18"x 0.08", FASTENED WITH TWO EACH 3/8" CADIUM BOLTS, NUTS AND WASHERS.
3. POST SHALL BE 1.75" x 3-1/2" HEAVY DUTY GALVANIZED.
4. SIGNS SHALL BE A MINIMUM OF 60" ABOVE FINISH FLOOR OR GROUND SURFACE MEASURED TO THE BOTTOM OF THE SIGN.

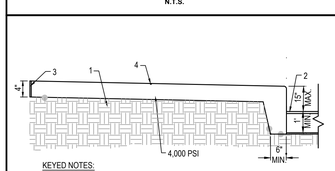
KEYED NOTES:
1. FORM. 6"Ø STANDARD STL. PIPE CONCRETE FILLED AT ALL ACCESSIBLE SIGN LOCATIONS. PROVIDE 1/4" WELDED CLOSURE PLATE AT BOTTOM. PAINT EXPOSED PIPE YELLOW.
2. SOLID UNDISTURBED SOIL.
3. PROVIDED PITCH, SMOOTH CONCRETE FINISH.

BOLLARD MOUNTED ADA ACCESSIBLE SIGN
N.T.S.



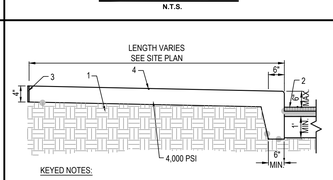
KEYED NOTES:
1. 4" COMPACTED AGGREGATE BASE
2. PAVEMENT
3. COMPRESSIBLE FILLER, CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
4. 1/8" CONTRACTION JOINT EVERY 5' TO 10'; EXPANSION JOINT EVERY 15 FEET.

PERIMETER SIDEWALK-FLUSH DETAIL
N.T.S.



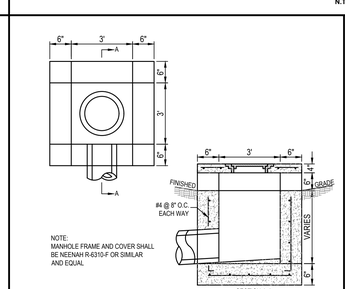
KEYED NOTES:
1. COMPACTED SUBGRADE
2. SYNTHETIC TURF
3. COMPRESSIBLE FILLER, CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
4. 1/8" CONTRACTION JOINT EVERY 5' TO 10'; EXPANSION JOINT EVERY 15 FEET.

TURNDOWN SIDEWALK DETAIL
N.T.S.



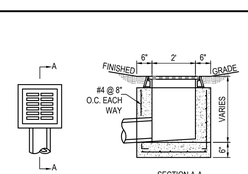
KEYED NOTES:
1. COMPACTED SUBGRADE
2. PAVEMENT
3. COMPRESSIBLE FILLER, CUT BACK AND PROVIDE SEALANT, TYPICAL, AT ALL JOINTS WITH FILLER.
4. 1/8" CONTRACTION JOINT EVERY 5' TO 10'; EXPANSION JOINT EVERY 15 FEET.

PERIMETER SIDEWALK-CURB DETAIL
N.T.S.



NOTE:
MANHOLE FRAME AND COVER SHALL BE NEENAH R-6310-F OR SIMILAR AND EQUAL

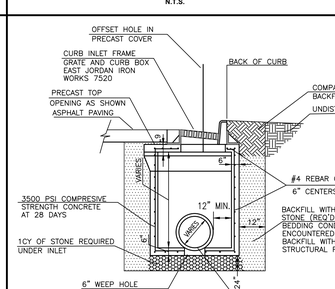
YARD INLET
N.T.S.

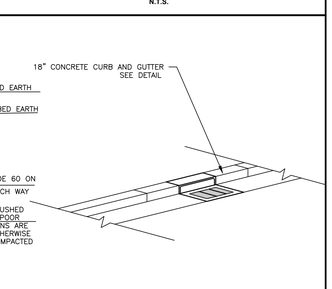


NOTES:
1. FOR INLETS IN LANDSCAPE AREAS, INLET FRAME AND GRATE SHALL BE NEENAH R-1879-ASG OR SIMILAR AND EQUAL.
2. IN LIEU OF CAST IN PLACE BOX, A PRECAST MANHOLE IS AN ACCEPTABLE ALTERNATE.

(*) TO ACCOMMODATE SKEWED PIPE, LARGER PIPE, SEVERAL PIPES, OR FIT OTHER CONDITIONS, IT MAY BE NECESSARY TO INCREASE ONE OR BOTH PLAN VIEW DIMENSIONS OF INLET BOX AND COVER SLAB.

GRATE INLET IN LANDSCAPED AREAS
N.T.S.





HOODED GRATE INLET
N.T.S.

ALABAMA LICENSED ENGINEER CAH No. 24443 CHRISTOPHER ALLEN 10/24/2023

SHEET TITLE:
CIVIL DETAILS

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

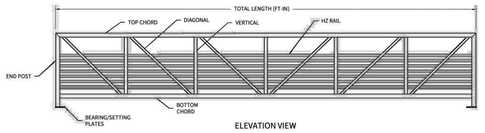
JOB NO. 23-66
SHEET NO:
C6.0

0 1" 2"

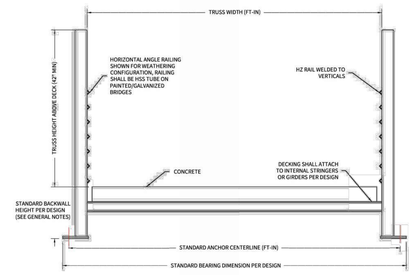
GENERAL NOTES:

1. THE PRIMARY FUNCTION OF THIS STRUCTURE IS TO CARRY PEDESTRIANS & BICYCLISTS
2. SLIDE PLATES SHALL BE MADE FROM UHMW AND ARE GENERALLY SHIPPED LOOSE FROM BRIDGE; BRIDGE ENDS SHALL BE CONSTRUCTED AT THE SAME ELEVATION
3. BRIDGES SHALL BE DESIGNED FOR BOLTED FIELD SPLICES LOCATED ON THE BRIDGE SO AS TO PRODUCE A STRUCTURE WHICH CAN BE ECONOMICALLY SHIPPED AND ERECTED
4. BRIDGES SHALL HAVE VERTICAL CAMBER TO OFFSET ANY DEAD LOAD DEFLECTIONS GREATER THAN L/4"
5. UNPAINTED WEATHERING STEEL BRIDGES WHICH ARE NOT TO BE PAINTED SHALL BE FABRICATED FROM HIGH STRENGTH, LOW ALLOY, AND ATMOSPHERIC CORROSION RESISTANT ASTM A847 SQUARE AND RECTANGULAR TUBING AND ASTM A588 PLATE AND STRUCTURAL SHAPES
6. PAINTED STEEL BRIDGES SHALL BE FABRICATED FROM ASTM A36 OR A572 AND TUBULAR SECTIONS FROM ASTM A500 GR B OR GR C AND SHALL UTILIZE A TWO-COAT EPOXY & POLY SYSTEM
7. GALVANIZED STEEL BRIDGES SHALL BE FABRICATED FROM ASTM A36 OR A572 AND TUBULAR SECTIONS FROM ASTM A500 GR B OR GR C AND SHALL INCORPORATE WEEP HOLES AT ALL LOW POINTS
8. ALUMINUM BRIDGES SHALL BE FABRICATED FROM 6061-T6 FOR ALL STRUCTURAL COMPONENTS AND MAY USE ANY 6000X SERIES ALLOY FOR NON-STRUCTURAL COMPONENTS AND DECKING
9. SHOP WELDING SHALL CONFORM TO AWS D1.1-STEEL OR D1.2-ALUMINUM
10. ALL ELECTRICAL AND LIGHT HARDWARE INSTALLATION AND DESIGN ARE PROVIDED BY OTHERS UNLESS OTHERWISE SPECIFIED
11. STANDARD BACKWALL HEIGHT PER DESIGN
    - *50" BRIDGES SHALL HAVE A STANDARD BACKWALL HEIGHT OF 18"-20"
    - 50"-120" BRIDGES SHALL HAVE A STANDARD BACKWALL HEIGHT OF 24"
    - *120" BRIDGES SHALL HAVE A STANDARD BACKWALL HEIGHT OF 30"

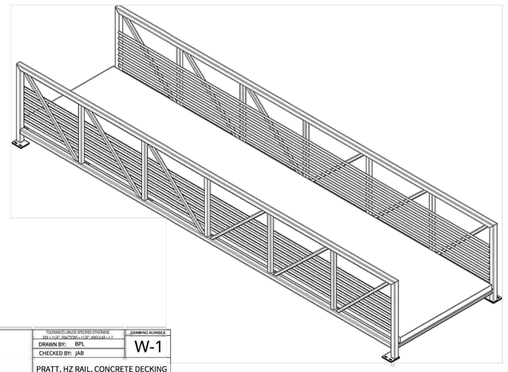
*SHIPPING CONFIGURATIONS SHALL VARY BASED ON DESIGN
*THIS DRAWING IS PROPERTY OF BRIDGE BROTHERS, CREATED FOR ILLUSTRATION PURPOSES ONLY, AND MUST NOT BE USED FOR MANUFACTURING PURPOSES W/O THE EXPRESS WRITTEN CONSENT OF BRIDGE BROTHERS



ELEVATION VIEW



END VIEW



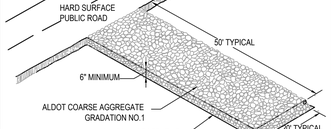
NOTE: BRIDGE AND ABUTMENT DESIGN BY BRIDGE CONTRACTOR.

BRIDGE BROTHERS
(800) 214- 34 26 WWW.BRIDGEBROTHERS.COM

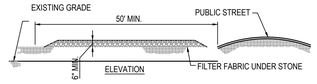
CUSTOMER: CUSTOMER NAME
CUSTOMER LOCATION

PROJECT NAME
PROJECT LOCATION
PO # N/A

TOLERANCES UNLESS SPECIFIED OTHERWISE: XX = ±1/32" | XXX = ±1/64" | ANGLES = ± 1°
DRAWN BY: BPL
CHECKED BY: JAB
DRAWING NUMBER: W-1
DRAWING NOT TO SCALE
SHT. 1 OF 1



PLAN

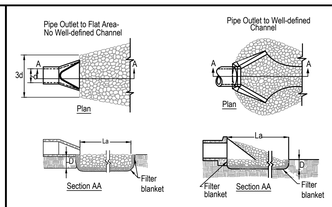


ELEVATION

SPECIAL NOTES :

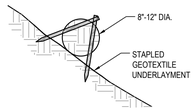
1. A STABILIZED PAD OF CRUSHED STONE SPREAD OVER FILTER FABRIC SHALL BE LOCATED WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC STREET. THE STONE SHALL BE ALDOT GRADATION NO. 1 STONE, FILTER FABRIC SHALL BE NONWOVEN GEOTEXTILE CLASS IV OR EQUAL.
2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC STREETS OR EXISTING PAVEMENT. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
3. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC STREETS MUST BE REMOVED IMMEDIATELY BY STREET CLEANING (NOT FLUSHING). WHEN NECESSARY, WHEELS MUST BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTERING A PUBLIC STREET. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WHICH DRAINS INTO AN APPROVED SEDIMENT BASIN.
4. IF THE PAD SLOPE TOWARDS THE ROAD EXCEEDS 2%, A DIVERSION RIDGE 6" - 8" HIGH WITH 3:1 SIDE SLOPES MUST BE CONSTRUCTED ACROSS THE FOUNDATION APPROXIMATELY 15' AWAY FROM THE ROAD AND DRAIN INTO A SEDIMENT TRAP OR BASIN.

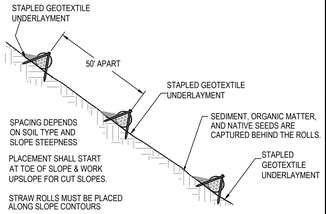
CEP **CONSTRUCTION EXIT PAD**
N.T.S.



SPECIAL NOTES
1. RIP RAP DISCHARGE APRON SHALL BE INSTALLED AT A ZERO SLOPE.
2. A FILTER BLANKET OR FILTER FABRIC SHOULD BE INSTALLED BETWEEN THE RIPRAP AND SOIL FOUNDATION.
3. DEPTH OF APRON SHALL BE NO LESS THAN 6".
4. FOR DETERMINING APRON LENGTH, WIDTH, AND MEDIAN STONE SIZE, REFER TO FIGURES OP-2 AND OP-3 FROM THE LATEST ALABAMA EROSION CONTROL HANDBOOK.
5. THE GRADATION OF RIPRAP SHALL BE PER TABLES OP-2 AND OP-3 FROM THE LATEST ALABAMA EROSION CONTROL HANDBOOK.

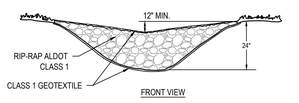
OP **OUTLET PROTECTION**
N.T.S.



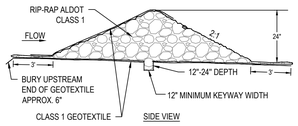


NOTE:
1. WATTLE CHECK DAMS TO BE INSTALLED WITHOUT TRENCHING AND ON TOP OF STAPLED GEOTEXTILE UNDERLAYMENT THAT EXTENDS A MINIMUM 3 FT. UP AND DOWNSTREAM FROM THE WATTLE. WATTLES MUST BE PROPERLY STAPLED WITH SOD STAPLES ON 10-INCH CENTERS ON EACH SIE OF THE WATTLE TO PREVENT FLOTATION AND STAKED OVER THE TOP USING NON-DESTRUCTIVE TEE-PEE TYPE STAKING.
2. STRAW WATTLES SHALL BE INSTALLED ON CONTOUR W/ A SLIGHT DOWNWARD ANGLE AT THE END OF THE ROW IN ORDER TO PREVENT PONDING AT THE MID-SECTION.
3. WATTLES MAY BE A STRAW WATTLE, A CURLEX SEDIMENT LOG, OR APPROVED EQUAL.

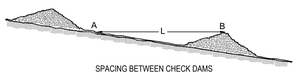
SW **WATTLE SLOPE PROTECTION**
N.T.S.



FRONT VIEW



SIDE VIEW

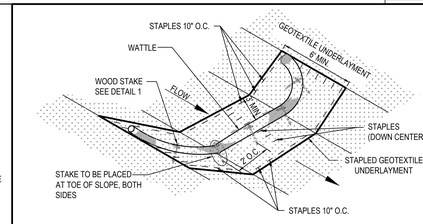


SPACING BETWEEN CHECK DAMS

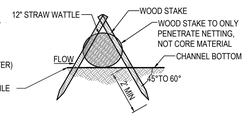
SPECIAL NOTES :

1. MAXIMUM DRAINAGE AREA IS 10 ACRES.
2. MAXIMUM HEIGHT OF CHECK DAM AND DEPTH OF FLOW IS BASED ON DRAINAGE AREA AS FOLLOWS:
   FOR AREAS OF LESS THAN 5 ACRES, HEIGHT = 2' AND DEPTH OF FLOW = 6".
   FOR AREAS OF 5-10 ACRES, HEIGHT = 3' AND DEPTH OF FLOW = 12".
3. CHECK DAM IS TO BE KEYED INTO THE CHANNEL BOTTOM AND ABUTMENTS TO A DEPTH OF 12"-24" TO PREVENT EROSION UNDER AND AROUND THE ENDS OF THE DAM. KEYWAY WIDTH SHOULD BE AT LEAST 12".
4. ELEVATION OF THE TOE OF THE UPSTREAM DAM SHOULD BE AT OR BELOW THE ELEVATION OF THE CREST OF THE DOWNSTREAM DAM.
5. ROCK CHECK DAM SHALL COMPLY WITH THE LATEST EDITION OF THE ALABAMA EROSION CONTROL HANDBOOK.

CD **ROCK CHECK DAM**
N.T.S.



WATTLE SPACING



STAKE DETAIL

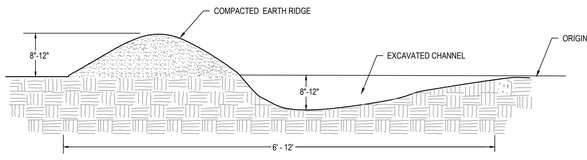
WATTLE CHECK DAMS TO BE INSTALLED WITHOUT TRENCHING AND ON TOP OF STAPLED GEOTEXTILE UNDERLAYMENT THAT EXTENDS A MINIMUM 3 FT. UP AND DOWNSTREAM FROM THE WATTLE. WATTLES MUST BE PROPERLY STAPLED WITH SOD STAPLES ON 10-INCH CENTERS ON EACH SIDE OF THE WATTLE TO PREVENT FLOTATION AND STAKED OVER THE TOP USING NON-DESTRUCTIVE TEE-PEE TYPE STAKING

REFER TO ALDOT SPECIAL DRAWING NO. ESC-300 FOR RECOMMENDED PLACEMENT INTERVAL BETWEEN WATTLES

CdW **WATTLE CHECK DAM**
N.T.S.

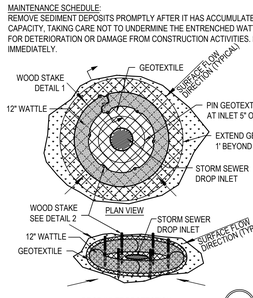
ADEM

NOTE:
1.STABLE OUTLETS SHALL BE PROVIDED FOR EACH DIVERSION.

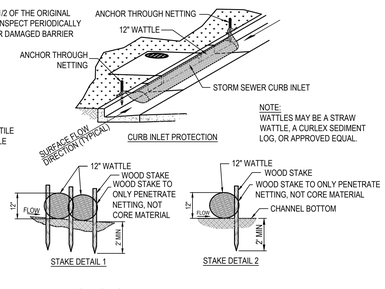


Di **TEMPORARY DIVERSION BERM**
N.T.S.

MAINTENANCE SCHEDULE:
REMOVE SEDIMENT DEPOSITS PROMPTLY AFTER IT HAS ACCUMULATED TO 1/2 OF THE ORIGINAL CAPACITY, TAKING CARE NOT TO UNDERMINE THE ENTRENCHED WATTLES. INSPECT PERIODICALLY FOR DETERIORATION OR DAMAGE FROM CONSTRUCTION ACTIVITIES. REPAIR DAMAGED BARRIER IMMEDIATELY.

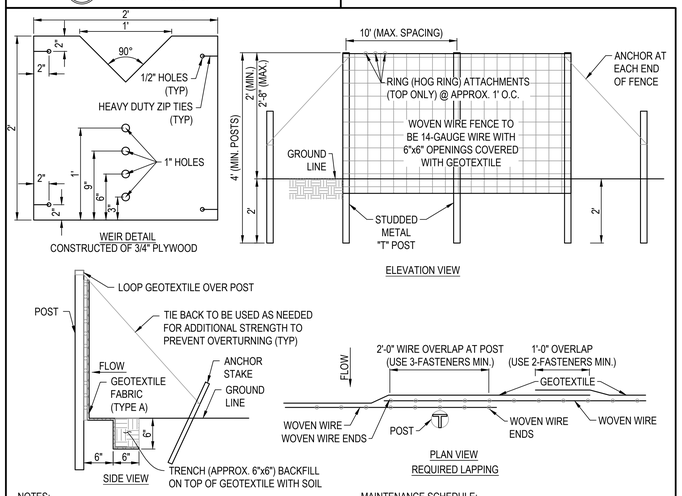


DROP INLET PROTECTION



NOTE:
WATTLES MAY BE A STRAW WATTLE, A CURLEX SEDIMENT LOG, OR APPROVED EQUAL.

WIP **WATTLE INLET RPOTECTION**
N.T.S.



NOTES:
1. SILT FENCE FABRIC SHALL BE PER TABLE SB-1 FROM THE LATEST ALABAMA EROSION CONTROL HANDBOOK.
2. THE POST DIAMETER SHALL BE PER TABLE SB-2 IN THE LATEST ALABAMA EROSION CONTROL HANDBOOK.
3. THE WOVEN WIRE FENCING SHALL BE FASTENED TO THE UPSTREAM SIDE OF THE POST BY STAPLES OR WIRE TIES.
4. GEOTEXTILE FABRIC SHALL BE SECURELY FASTENED TO THE WOVEN WIRE FENCING.
5. THE REQUIRED OVERLAP OF THE SILT FENCE SHALL BE PER ALDOT SPECIAL DRAWING NUMBER ESC-200-4.

MAINTENANCE SCHEDULE:
1. REMOVE SEDIMENT DEPOSITS WHEN THEY REACH A DEPTH OF 15" OR 1/2 THE HEIGHT OF THE FENCE AS INSTALLED TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN TO REDUCE PRESSURE ON THE FENCE. SHOULD THE FABRIC OR SILT FENCE COLLAPSE, DECOMPOSE OR BECOME INEFFECTIVE; REPLACE IT PROMPTLY
2. AT FULL STORAGE CAPACITY, THE SILT FENCE SHOULD DEWATER IN 4-12 HOURS.

SB **SEDIMENT BARRIER SILT FENCE - TYPE A**
N.T.S.

ADEM

LBYD ENGINEERS
LBYD, Inc.
Civil and Structural Engineers
880 Montclair Road
Suite 600
Birmingham, AL 35213
Main (205) 251-4500
PROJECT NO.
133253.001

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 24441 PROFESSIONAL ENGINEER CHRISTOPHER ALLYN HALL
10/24/2023

SHEET TITLE:
CIVIL DETAILS

PROJ. MGR.: CAH
DRAWN: BDS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
C6.1

0 1" 2"

FIELD EQUIPMENT NOTES:

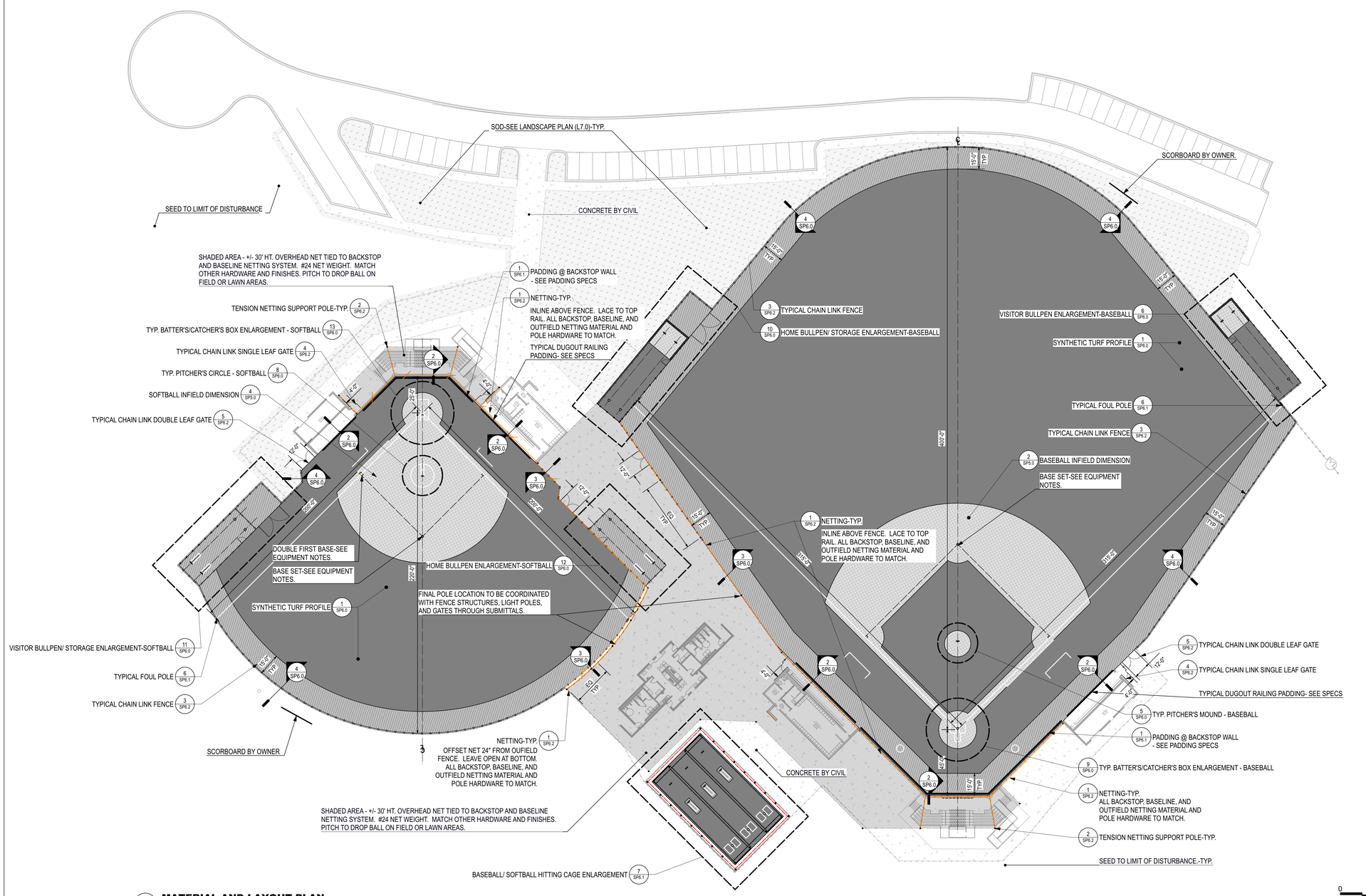
1. BASEBALL HOME PLATE - BASEBALL BATTER'S BOX FORMING SYSTEM BY SPORTSFIELD SPECIALTIES(BBFSB). PROVIDE AND INSTALL INCLUDED REPLACEABLE SCHUTT® HOLLYWOOD BURY ALL HOME PLATE (SHSRHP). PROVIDE REPLACEMENT BATTER'S BOX TURF PER SPECIFICATIONS.
2. BASEBALL PITCHING MOUND - CONCRETE CONSTRUCTION, SEE DETAIL - (1) SCHUTT® HOLLYWOOD MLB® OFFICIAL SIZE FOUR SIDED PROFESSIONAL PITCHING RUBBER.
3. BASEBALL BASES - SCHUTT® ORIGINAL JACK CORBETT® MLB® HOLLYWOOD BASE SET WITH CORRESPONDING GROUND ANCHOR MOUNTS AND PLUGS.
4. BASEBALL FOUL POLE - SEE DETAIL.
5. SOFTBALL HOME PLATE - SOFTBALL BATTER'S BOX FORMING SYSTEM BY SPORTSFIELD SPECIALTIES. BBFSS. PROVIDE AND INSTALL INCLUDED REPLACEABLE SCHUTT® HOLLYWOOD BURY ALL HOME PLATE (SHSRHP). PROVIDE REPLACEMENT BATTER'S BOX TURF PER SPECIFICATIONS.
6. SOFTBALL BASES - SCHUTT® ORIGINAL JACK CORBETT® MLB® HOLLYWOOD BASE SET WITH CORRESPONDING GROUND ANCHOR MOUNTS AND PLUGS.
7. SOFTBALL PITCHING CIRCLE - (1) SCHUTT® HOLLYWOOD MLB® OFFICIAL SIZE FOUR SIDED PROFESSIONAL PITCHING RUBBER. PROVIDE REPLACEMENT PITCHING LANE TURF PER SPECIFICATIONS.
8. SOFTBALL FOUL POLE - SEE DETAIL
9. SOFTBALL /BASEBALL BULLPEN HOME PLATE - WHITE TURF TO MATCH ADJACENT. PROVIDE (1) RUBBER-SPIKED THROW-DOWN PLATE AND (1) HITTING MAT WITH TUFTED HOME PLATE AND BATTER LANES (MATCH ADJACENT COLOR) PER LANE
10. SOFTBALL /BASEBALL BULLPEN PITCHING RUBBER (SYNTHETIC/CLAY) (1) SCHUTT® HOLLYWOOD MLB® OFFICIAL SIZE FOUR-SIDED PROFESSIONAL PITCHING RUBBER PER LANE, SEE PLANS
11. SOFTBALL DOUBLE FIRST BASE- HOLLYWOOD IMPACT® DOUBLE FIRST BASE SET WITH CORRESPONDING GROUND ANCHOR MOUNTS AND PLUGS (SHIBD).
12. HITTING TUNNEL - SEE DETAIL.(MATCH INFIELD TURF, OWNER TO PROVIDE PITCHING AND BATTING MATS AS DESIRIED.)
13. BACKSTOP NETTING SEE SPECIFICATIONS
14. PADDING - SEE SPECIFICATIONS

EQUIPMENT NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DELIVERY AND PROVIDING ALL LABOR AND EQUIPMENT NEEDED TO RECEIVE, UNLOAD, ASSEMBLE, HANDLE, AND INSTALL SITE EQUIPMENT PER MANUFACTURER'S INSTRUCTIONS.
2. INSPECT PRODUCTS ON DELIVERY TO DETERMINE COMPLIANCE WITH THE CONTRACT DOCUMENTS AND TO DETERMINE THAT PRODUCTS ARE UNDAMAGED AND PROPERLY PROTECTED. CONTRACTOR IS RESPONSIBLE FOR DOCUMENTING, REPORTING, AND/OR REJECTING DAMAGED EQUIPMENT TO THE MANUFACTURER'S SATISFICATION TO ENSURE TIMELY REPAIR/REPLACEMENT AT NO COST TO THE OWNER.
3. CONTRACTOR IS RESPONSIBLE TO PROTECT ALL EQUIPMENT FROM ANY/ALL DAMAGE, SOILING AND DETERIORATION FROM RECEIPT OF DELIVERY UNTIL SUBSTANTIAL COMPLETION. COMPLY WITH PRODUCT MANUFACTURER'S WRITTEN INSTRUCTION FOR TEMPERATURE, HUMIDITY, VENTILATION, AND WEATHER-PROTECTION REQUIREMENTS FOR STORAGE.
4. CONTRACTOR IS RESPONSIBLE TO REMEDY ALL DAMAGE TO EQUIPMENT PROVIDED UNDER THIS CONTRACT THROUGH REPLACEMENT OR REPAIR TO THE OWNER'S SATISFACTION AT NO COST TO THE OWNER.
5. NOMINAL TOUCH-UP OR REPAIR OF PAINTED FINISHES IS PERMITTED IF (A) DONE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDED PROCEDURES AND MATERIALS (B) WILL NOT VOID ANY MANUFACTURER WARRANTY. THE RESULTANT REPAIRS SHALL APPEAR TO BE AS LIKE NEW CONDITION AS APPROVED BY THE LANDSCAPE ARCHITECT/OWNER IN ACCEPTANCE OF THE WORK AT NO COST TO THE OWNER.

GENERAL NOTES:

1. ALL WORK WILL CONFORM TO ALL LOCAL, COUNTY AND STATE CODES AND REGULATIONS. OBTAIN ALL PERMITS, LICENSES, ETC. REQUIRED FOR EXECUTION OF WORK.
2. LAYOUT WORK AND VERIFY ALL DIMENSIONS PRIOR TO ACTUAL CONSTRUCTION. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BEFORE CONTINUING WORK. CONTRACTOR RESPONSIBLE FOR STAKING SITE LAYOUT, GRADES, AND LIMIT OF WORK. THE WORK SHALL BE PERFORMED/STAKED BY A LICENSED SURVEYOR.
3. CONDUCT ALL OPERATIONS TO AVOID DAMAGE TO OR DISTURBANCE OF EXISTING VEGETATION AND STRUCTURES TO REMAIN.
4. CLEAN-UP, REMOVE AND PROPERLY DISPOSE OF ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN READY FOR OWNER'S USE.
5. ANY VARIATION FROM DRAWINGS OR SUBSTITUTIONS IN MATERIALS WITH THE APPROVAL OF THE LANDSCAPE ARCHITECT ONLY.
6. THE CONTRACTOR SHALL, FOR HIS OWN PROTECTION, VERIFY THE PRESENCE AND LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION.
7. CHECK DIMENSIONS GIVEN ARE FOR FIELD VERIFICATION OF LAYOUT. NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES.
8. CONSTRUCTION SAFETY - THE PRESENCE OF THE LANDSCAPE ARCHITECT, ITS EMPLOYEES, OR CONSULTANTS AT THE PROJECT SITE SHALL NOT BE DEEMED AN ASSUMPTION BY THE LANDSCAPE ARCHITECT OF ANY OBLIGATIONS, DUTIES, OR RESPONSIBILITIES FOR SAFETY, INCLUDING BUT NOT LIMITED TO CONSTRUCTION MEANS, METHODS, SEQUENCES, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING THE WORK OF THE PROJECT IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS OR REGULATORY HEALTH OR SAFETY REQUIREMENTS, IF ANY. THE LANDSCAPE ARCHITECT, ITS EMPLOYEES, AND CONSULTANTS HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR, ITS EMPLOYEES, OR SUBCONTRACTORS IN CONNECTION WITH THEIR WORK OR HEALTH AND SAFETY PROGRAMS AND PROCEDURES.



4 SP1.0 MATERIAL AND LAYOUT PLAN
Scale: 1" = 30'-0"

HNP LANDSCAPE ARCHITECTURE
1914 28TH AVE SOUTH; BIRMINGHAM, AL 35209
205-870-9936 | HNPSITEPLAN.COM

LATHAN ARCHITECTS
LATHAN • BRYANT • CALMA

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA · SEAN MICHAEL HUTCHEY · REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
MATERIAL AND LAYOUT PLAN

PROJ. MGR.: R. LATHAN
DRAWN: DMW
DATE: 10/24/23
REVISIONS

JOB NO. 23-66

SHEET NO:
SP1.0

HNP
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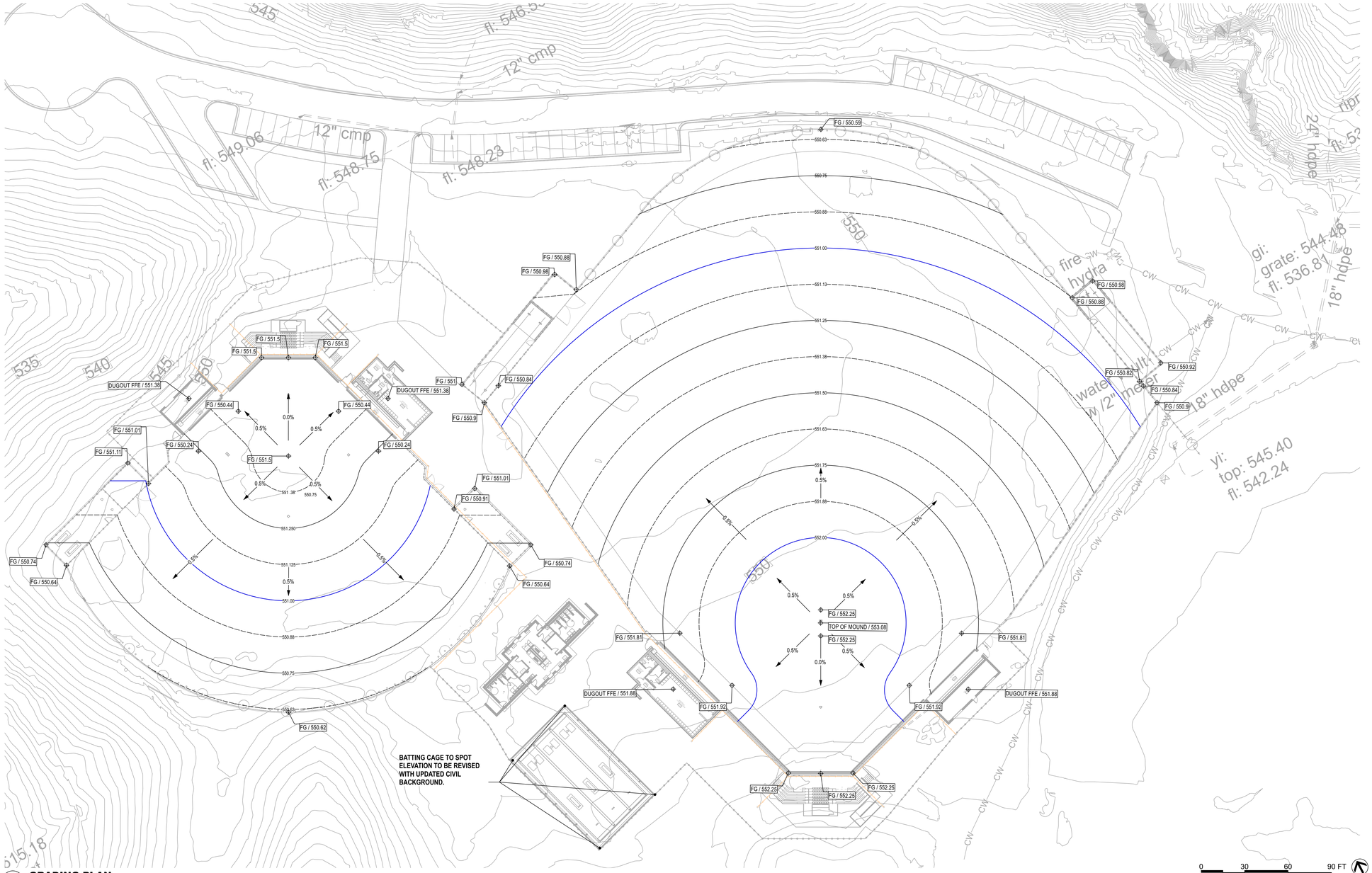
SITES GRADING NOTES:

1. CONTRACTOR TO GRADE SITE AS SHOWN. UNSUITABLE MATERIAL TO BE REMOVED FROM SITE. IMPORT SUITABLE MATERIAL AS REQUIRED.
2. TEMPORARY WATTLE TO BE INSTALLED AROUND EACH STORM SEWER INLET IN A MANNER THAT WILL INSURE NO MUD, SILT, OR DEBRIS WILL FLOW THROUGH STORM SEWER SYSTEM. THESE EROSION AND SEDIMENTATION CONTROLS SHALL BE IN PLACE AND MAINTAINED UNTIL INSTALLATION OF SOD OR UNTIL COMPLETION OF PLANTING AND MULCHING.
3. SHOULD ANY MUD, SILT, OR DEBRIS BE WASHED ON OR IN TO ANY ADJACENT PROPERTY, STREET OR STORM SEWER, CONTRACTOR IS TO REMOVE SUCH AT ONCE.
4. ALL CONSTRUCTION MATERIALS STORED ON SITE THAT MAY CONTAIN POLLUTANTS, SHALL BE STORED IN COVERED AREAS THAT WILL NOT ALLOW POLLUTANTS TO ESCAPE. ALL SUCH MATERIAL SHALL BE REMOVED FROM SITE AT THE END OF CONSTRUCTION AND BE DISPOSED OF ACCORDING TO APPLICABLE ORDINANCES.
5. MAXIMUM CROSS SLOPE ON ANY WALK/ PLAZA IS 2.0%.
6. CONTRACTOR RESPONSIBLE TO FINE GRADE SUCH THAT POSITIVE DRAINAGE IS MAINTAINED ON ALL SURFACES AT ALL TIMES
7. CONTRACTOR SHALL MAINTAIN "BEST MANAGEMENT PRACTICES" AND ADHERE TO RECOMMENDATIONS AS OUTLINED IN U.S. DEPARTMENT OR TRANSPORTATION REPORT NO. FHWA-FL-94-005 "BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL".



1 SP2.0 GRADING PLAN
Scale: 1" = 30'-0"

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BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA SEAL MICHAEL HOWARD PRICE NUMBER 749 REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
GRADING PLAN

PROJ. MGR.: R. LATHAN
DRAWN: DMW
DATE: 10/24/23
REVISIONS

JOB NO. 23-66
SHEET NO:
SP2.0

0 1" 2"

HNP
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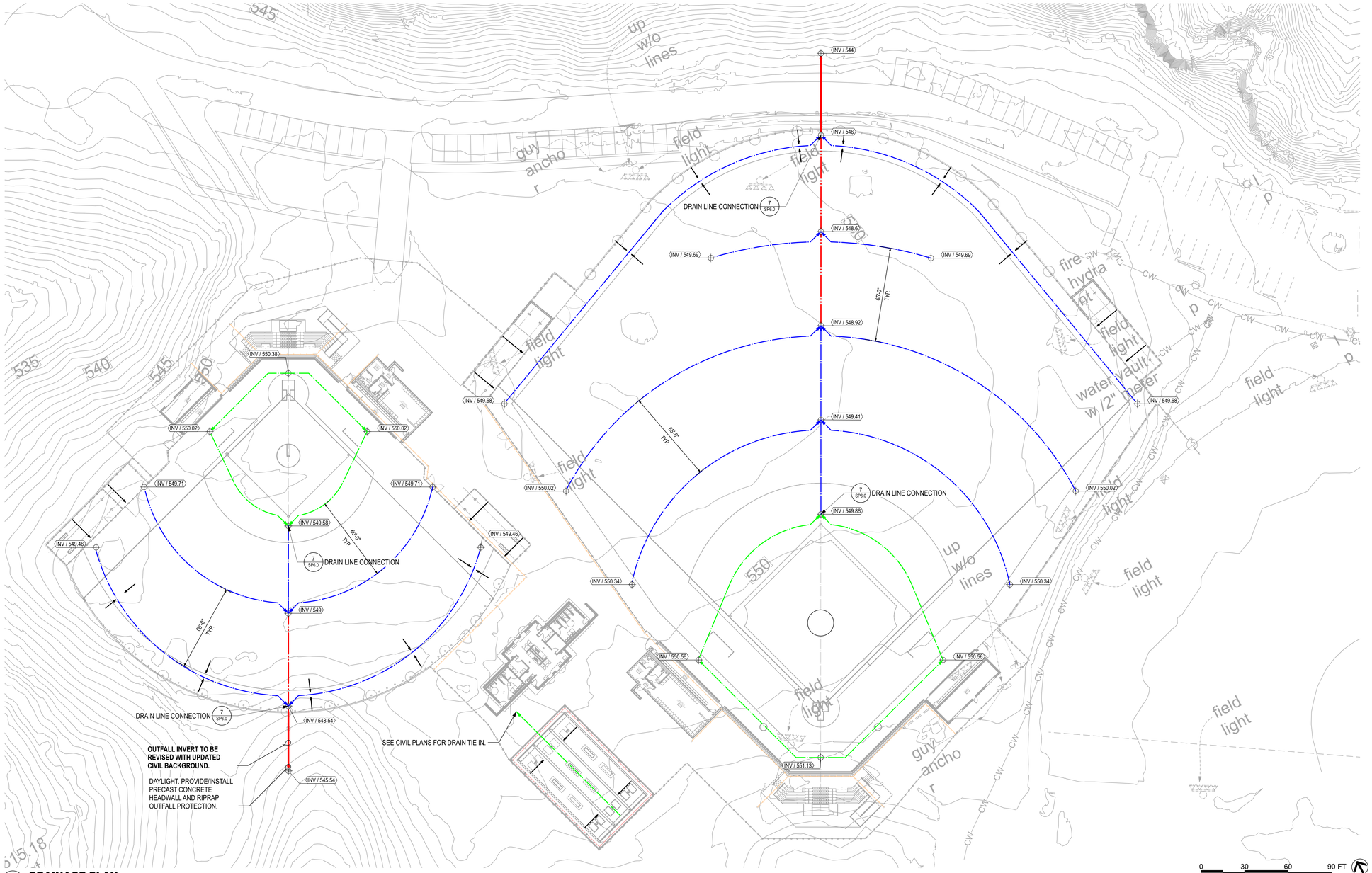
DRAIN LINES @ MIN. 0.5% SLOPE
- 12" DIA ADS, N-12 PERF
- 8" DIA ADS, N-12 PERF
- 6" DIA ADS, N-12 PERF
- 12" DIA ADS, N-12 SOLID



1 SP3.0 **DRAINAGE PLAN**
Scale: 1" = 30'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA · SEAN MICHAEL BRYANT · 26869 · REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
SUBSURFACE DRAINAGE PLAN

PROJ. MGR.:	R. LATHAN
DRAWN:	DMW
DATE:	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:
SP3.0

0 1" 2"

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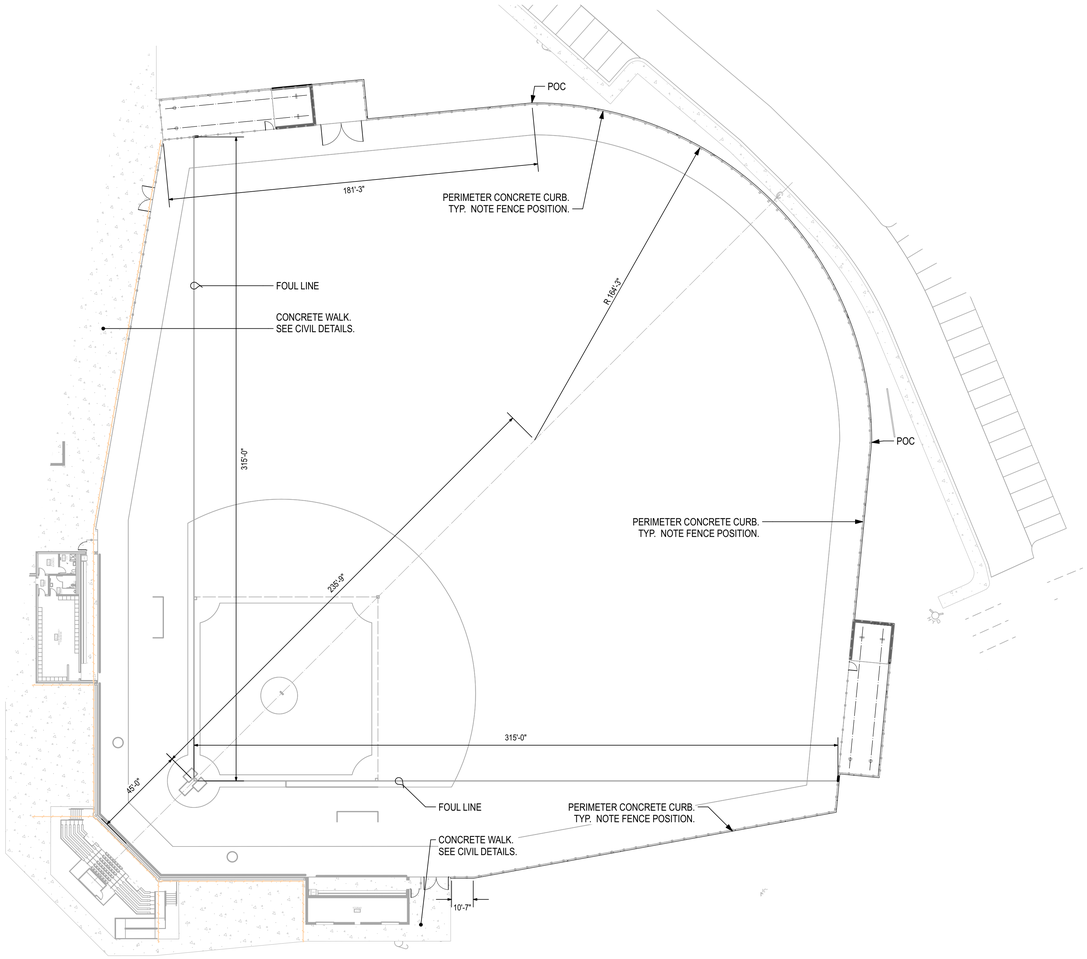
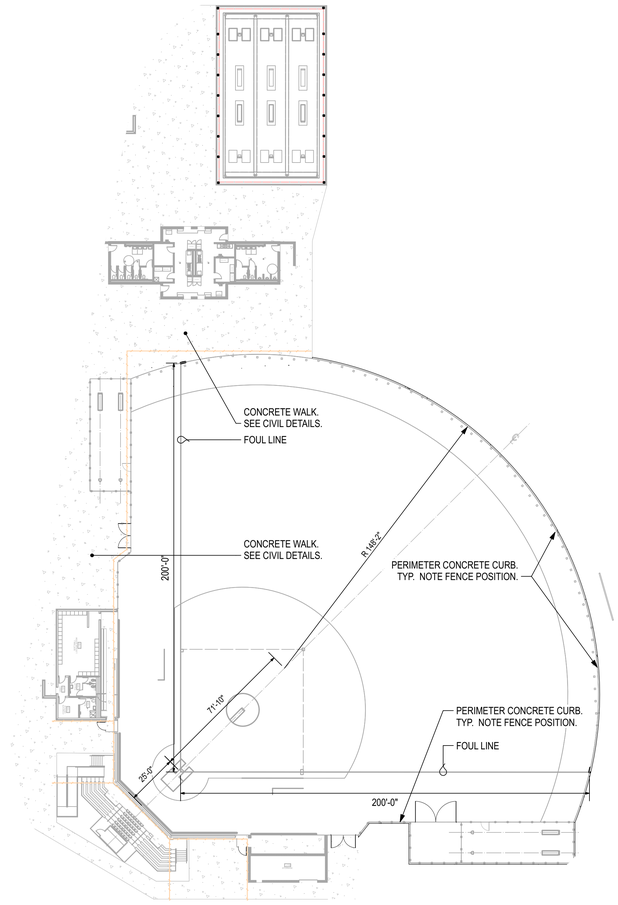


1 SP4.0 **BASEBALL CONCRETE CURB AND SLAB DIMENSION PLAN**
Scale: 1" = 30'-0"

0 30 60 90 FT



2 SP4.0 **SOFTBALL CONCRETE CURB AND SLAB DIMENSION PLAN**
Scale: 1" = 30'-0"

0 30 60 90 FT

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
SEAN MICHAEL HOLLAND
REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
DIMENSION PLAN

PROJ. MGR.: R. LATHAN
DRAWN: DMW
DATE: 10/24/23
REVISIONS

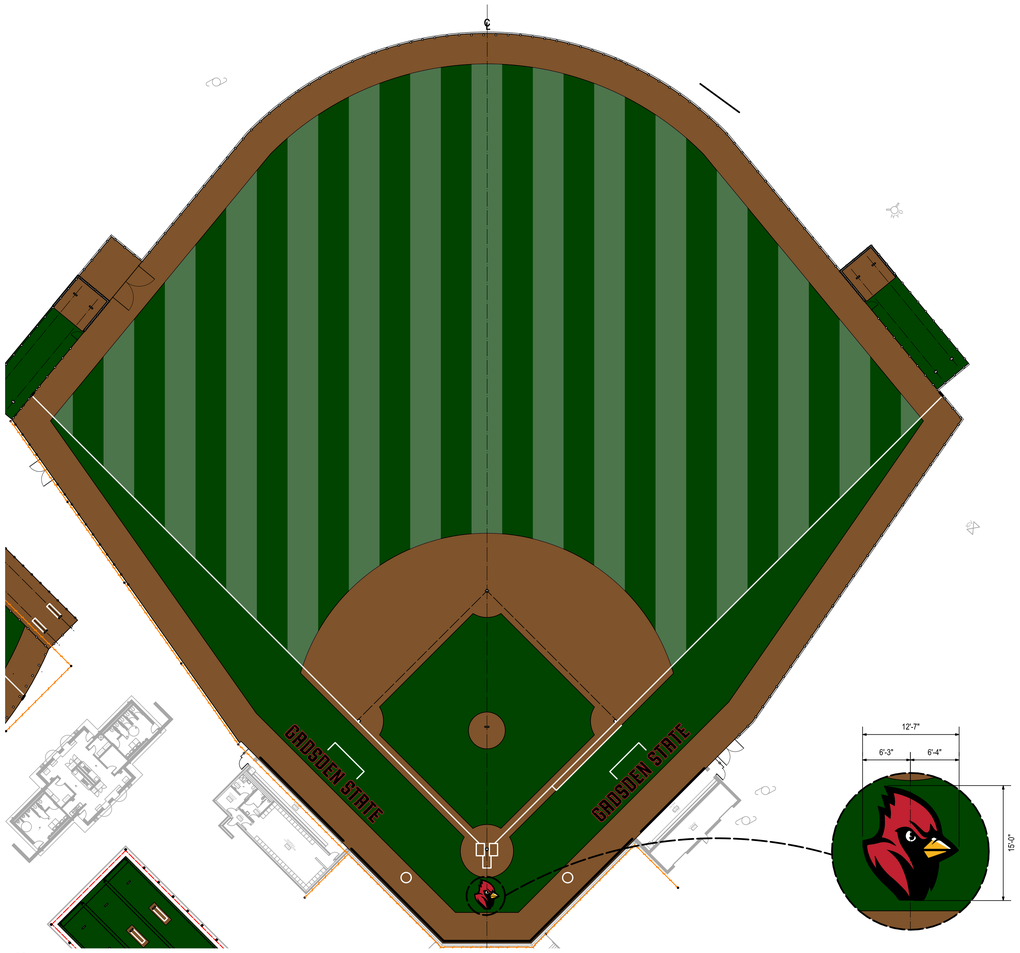
JOB NO. 23-66
SHEET NO:
SP4.0

0 1" 2"

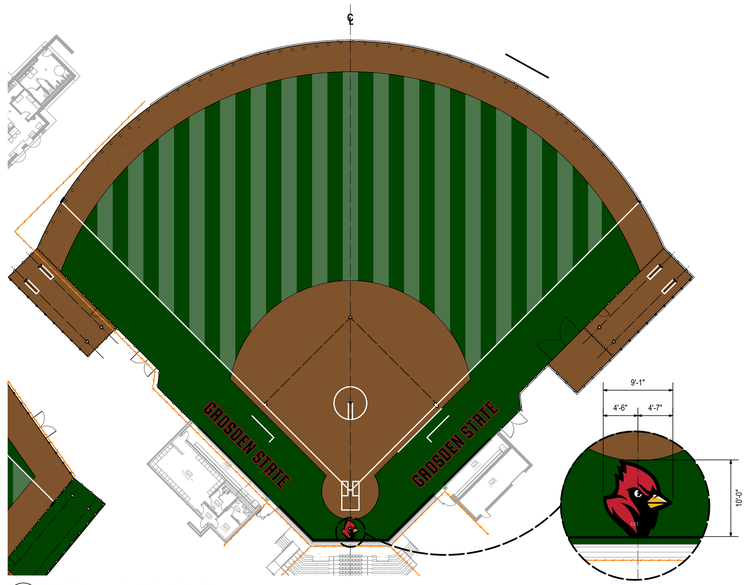
HNP
LANDSCAPE ARCHITECTURE
1914 28TH AVE SOUTH; BIRMINGHAM, AL 35209
205-870-9936 | HNPSITEPLAN.COM

SYNTHETIC TURF MARKINGS NOTES:

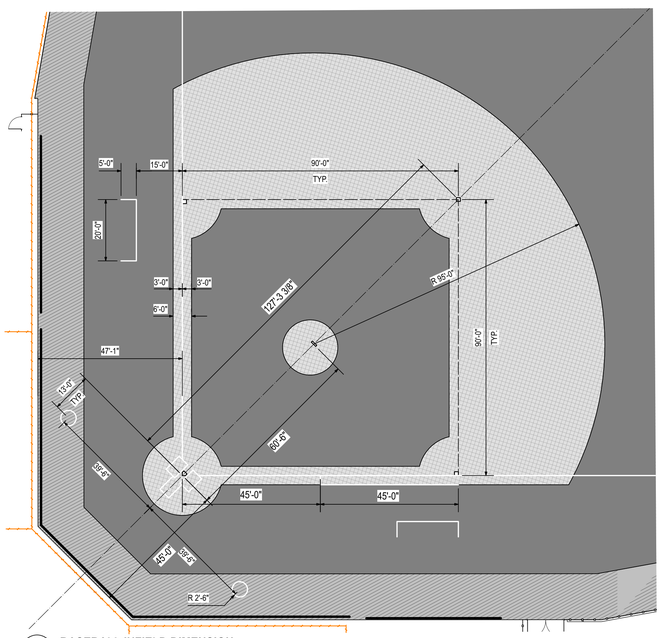
1. LAYOUT ACCORDING TO NCAA REGULATIONS.
2. ALL FIELD MARKINGS TO BE COLORED TURF STRANDS; NOT PAINT.
3. TURF STRANDS -COLORS TBD BY OWNER



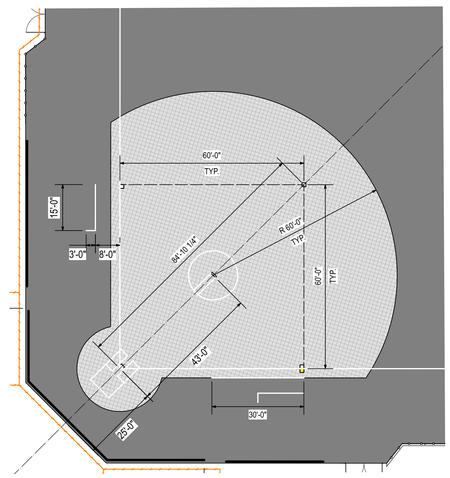
1 SP5.0 **BASEBALL FIELD RENDERING**
Scale: 1" = 30'-0"



3 SP5.0 **SOFTBALL FIELD RENDERING**
Scale: 1" = 30'-0"



2 SP5.0 **BASEBALL INFIELD DIMENSION**
Scale: 1" = 20'-0"



4 SP5.0 **SOFTBALL INFIELD DIMENSION**
Scale: 1" = 20'-0"

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BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

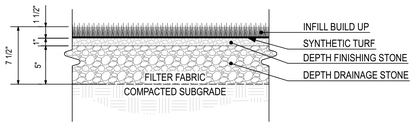
SHEET TITLE:
RENDERINGS & ENLARGEMENTS

PROJ. MGR.:	R. LATHAN
DRAWN:	DMW
DATE:	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:
SP5.0

0 1" 2"



1 SP6.0 SYNTHETIC TURF PROFILE
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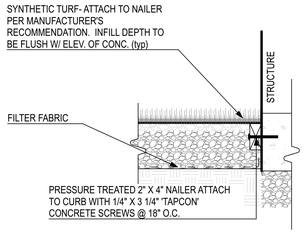

2 SP6.0 TURF ATTACHMENT @ STRUCTURE
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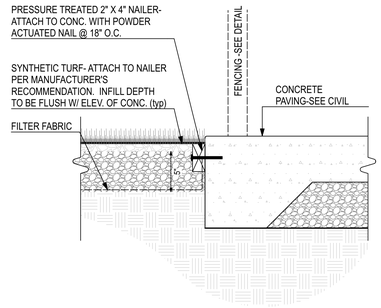

3 SP6.0 TURF ATTACHMENT @ CONCRETE TURNDOWN
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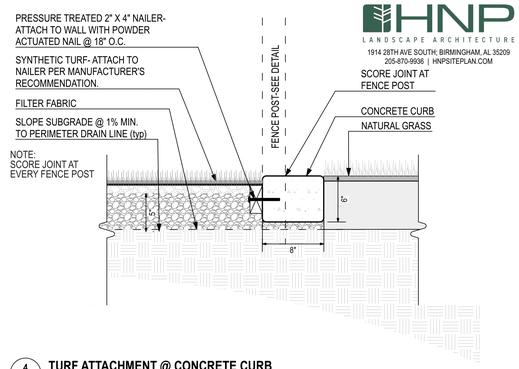

4 SP6.0 TURF ATTACHMENT @ CONCRETE CURB
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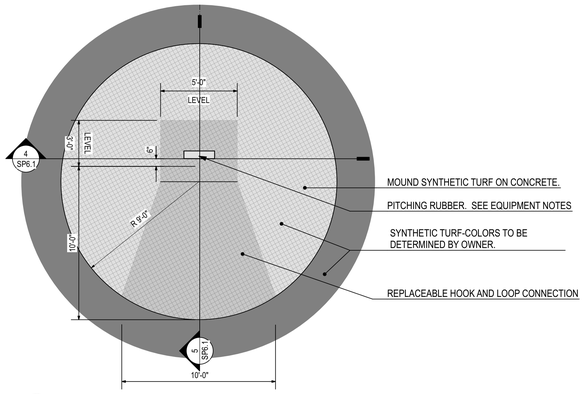
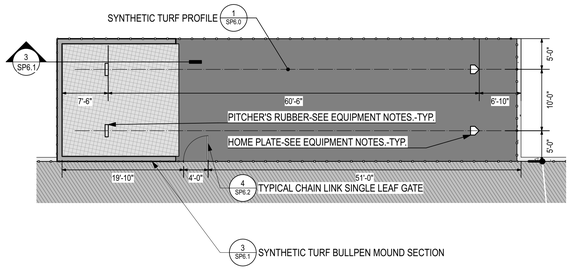
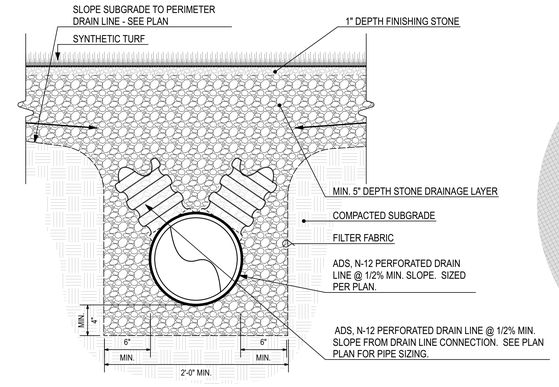


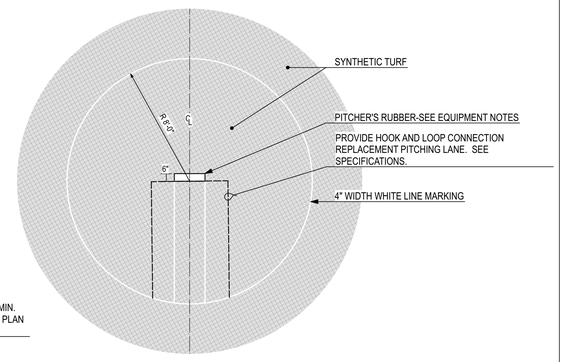
5 SP6.0 TYP. PITCHER'S MOUND - BASEBALL
Scale: 1/4" = 1'-0"



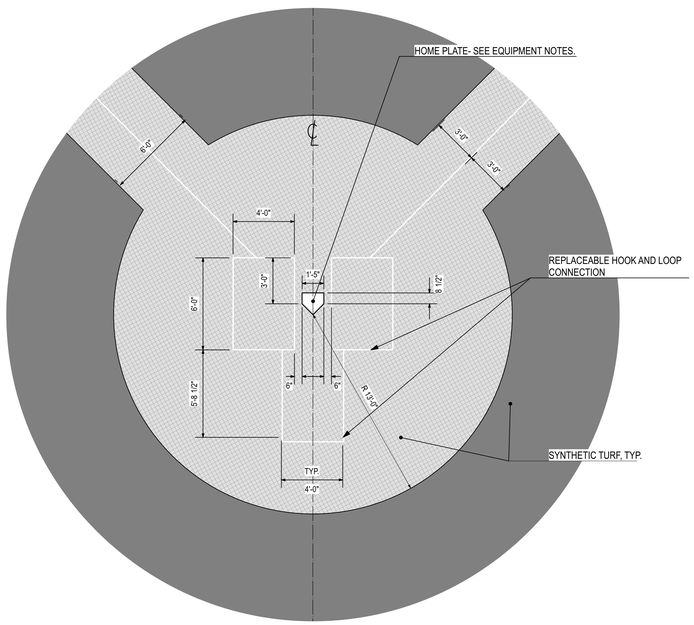
6 SP6.0 VISITOR BULLPEN ENLARGEMENT-BASEBALL
Scale: 1" = 10'-0"



7 SP6.0 DRAIN LINE CONNECTION
Scale: 1 1/2" = 1'-0"



8 SP6.0 TYP. PITCHER'S CIRCLE - SOFTBALL
Scale: 1/4" = 1'-0"



9 SP6.0 TYP. BATTER'S/CATCHER'S BOX ENLARGEMENT - BASEBALL
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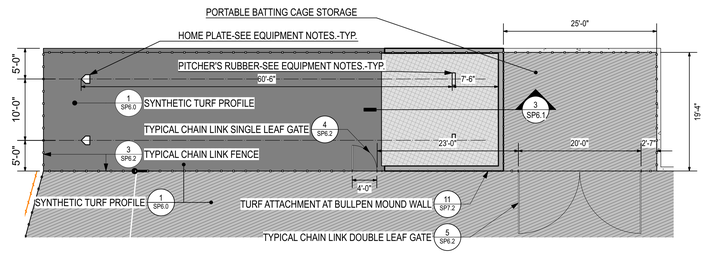
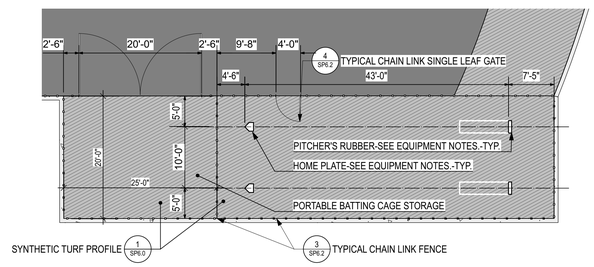


10 SP6.0 HOME BULLPEN/ STORAGE ENLARGEMENT-BASEBALL
Scale: 1" = 10'-0"



11 SP6.0 VISITOR BULLPEN/ STORAGE ENLARGEMENT-SOFTBALL
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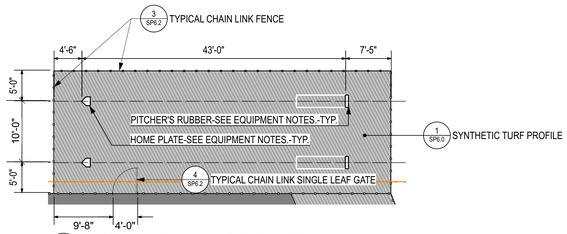
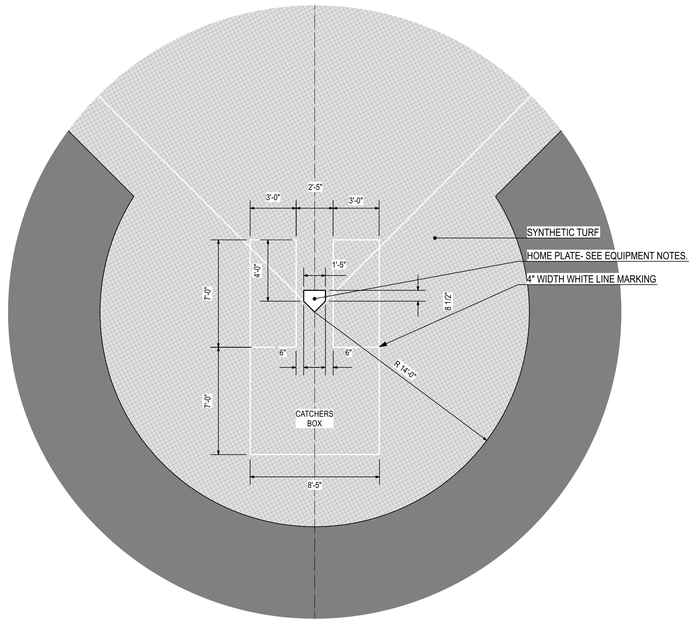


12 SP6.0 HOME BULLPEN ENLARGEMENT-SOFTBALL
Scale: 1" = 10'-0"



13 SP6.0 TYP. BATTER'S/CATCHER'S BOX ENLARGEMENT - SOFTBALL
Scale: 1/4" = 1'-0"

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BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA · SEAN MICHAEL HOLLEMAN · REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
DETAILS

PROJ. MGR.:	R. LATHAN
DRAWN:	DMW
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REVISIONS	

JOB NO. 23-66

SHEET NO:
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0 1" 2"

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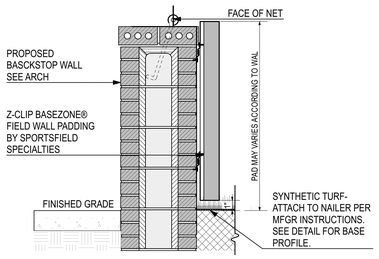
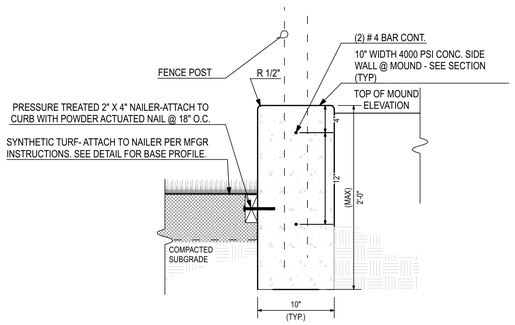
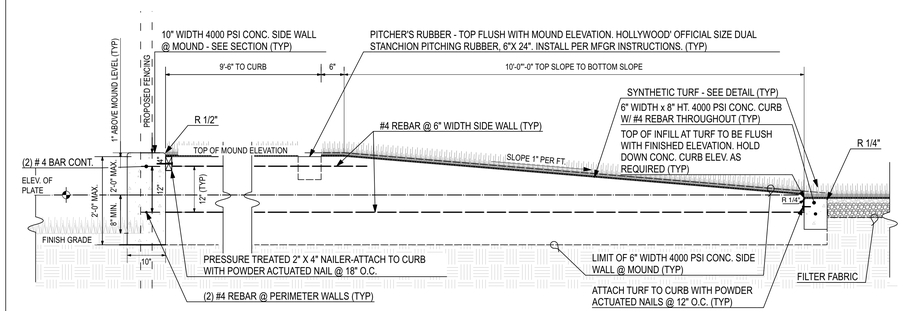


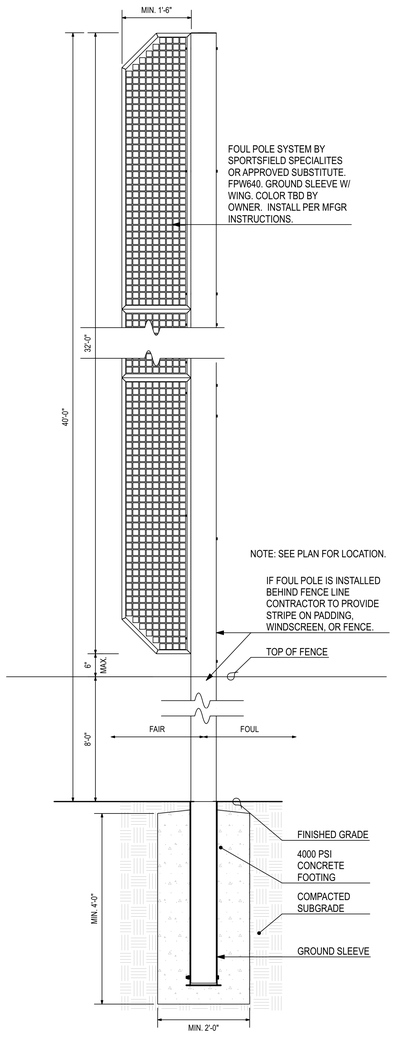
1 SP6.1 PADDING @ BACKSTOP WALL
Scale: 1" = 1'-0"



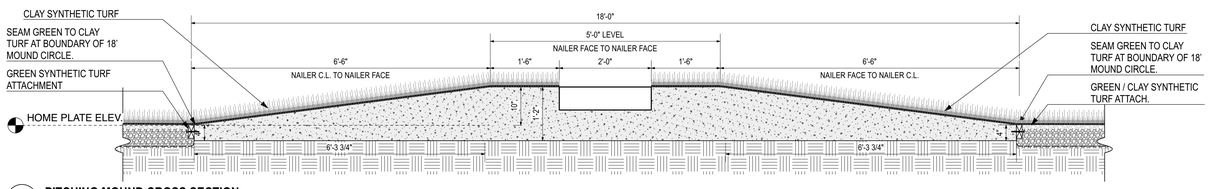
2 SP6.1 TURF ATTACHMENT AT BULLPEN MOUND WALL
Scale: 1 1/2" = 1'-0"



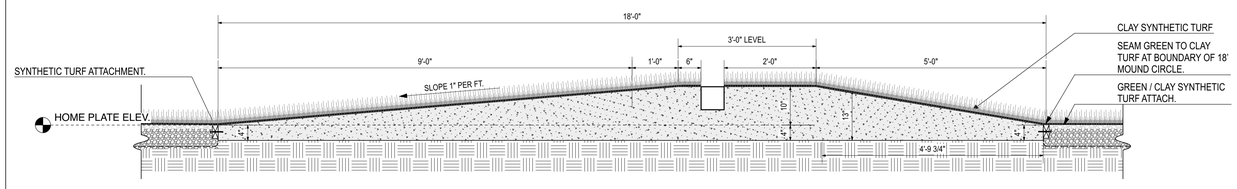
3 SP6.1 SYNTHETIC TURF BULLPEN MOUND SECTION
Scale: 3/4" = 1'-0"



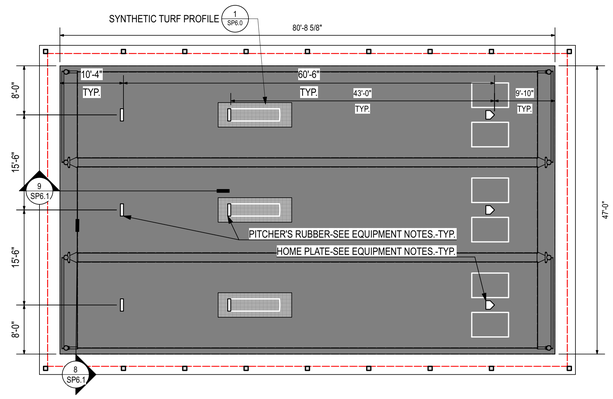
6 SP6.1 TYPICAL FOUL POLE
Scale: 3/4" = 1'-0"



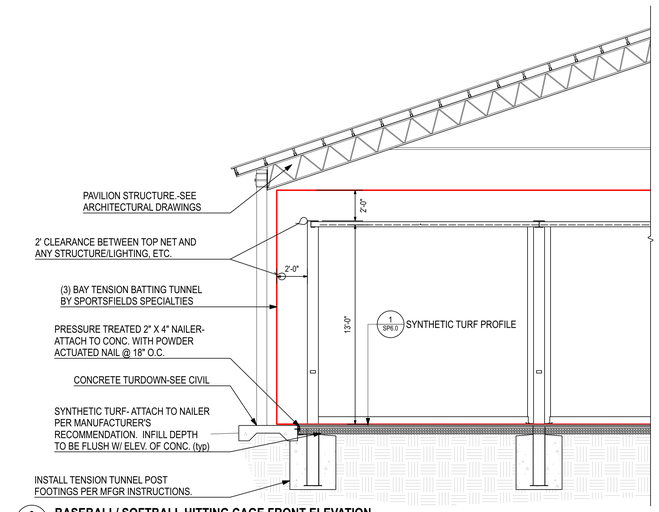
4 SP6.1 PITCHING MOUND CROSS SECTION
Scale: 3/4" = 1'-0"



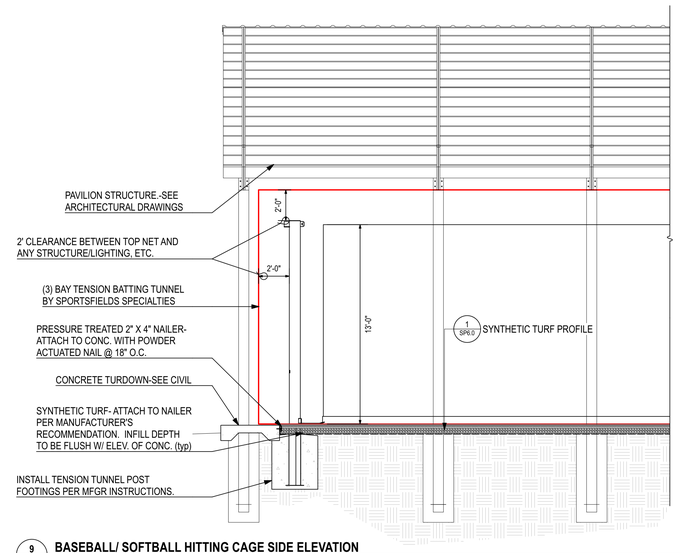
5 SP6.1 PITCHING MOUND LONGITUDINAL SECTION
Scale: 3/4" = 1'-0"



7 SP6.1 BASEBALL/ SOFTBALL HITTING CAGE ENLARGEMENT
Scale: 1" = 10'-0"



8 SP6.1 BASEBALL/ SOFTBALL HITTING CAGE FRONT ELEVATION
Scale: 1/4" = 1'-0"



9 SP6.1 BASEBALL/ SOFTBALL HITTING CAGE SIDE ELEVATION
Scale: 1/4" = 1'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA · SEAN MICHAEL HENRY · 29491 · REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: DMW
DATE: 10/24/23
REVISIONS

JOB NO. 23-66
SHEET NO:
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0 1" 2"

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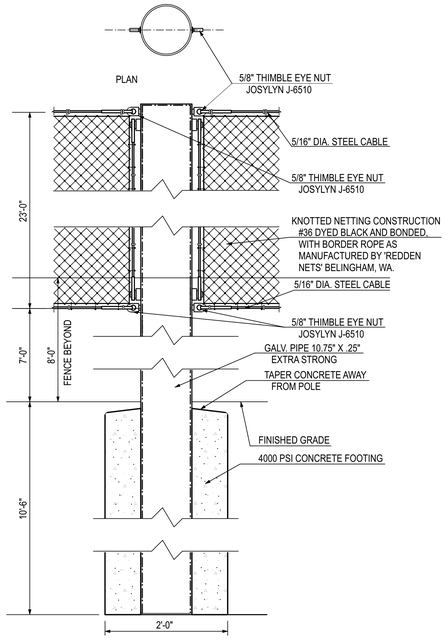
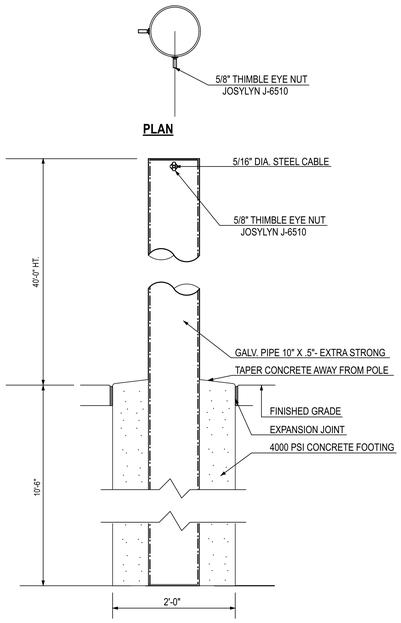
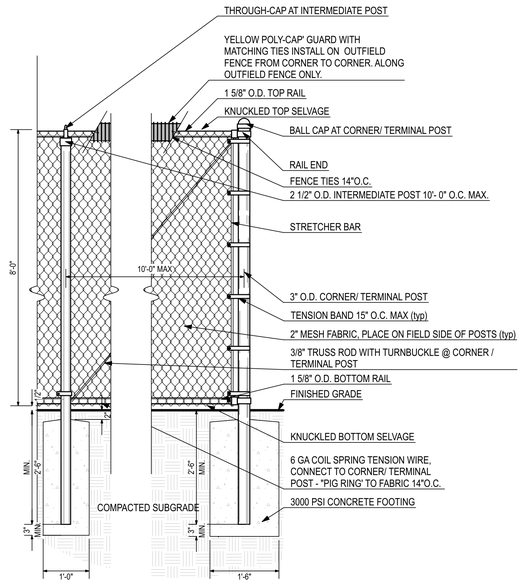


1 SP6.2 **NETTING-TYP.**
Scale: 1" = 1'-0"

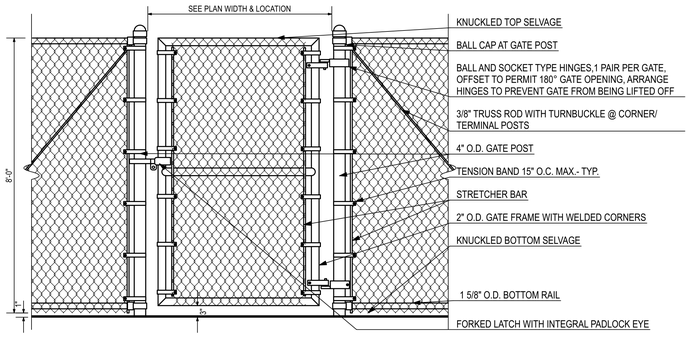


2 SP6.2 **TENSION NETTING SUPPORT POLE-TYP.**
Scale: 1" = 1'-0"

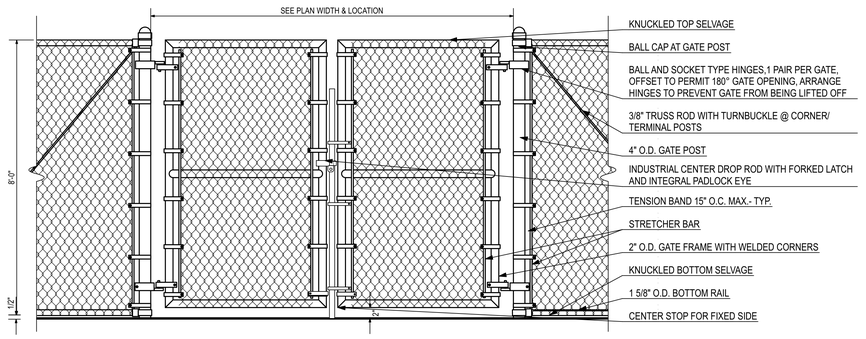


NOTE: SEE PLAN FOR LOCATION OF FENCING.

3 SP6.2 **TYPICAL CHAIN LINK FENCE**
Scale: 3/4" = 1'-0"



4 SP6.2 **TYPICAL CHAIN LINK SINGLE LEAF GATE**
Scale: 3/4" = 1'-0"



5 SP6.2 **TYPICAL CHAIN LINK DOUBLE LEAF GATE**
Scale: 3/4" = 1'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
MICAH HOWARD BRYANT
REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
DETAILS

PROJ. MGR.: R. LATHAN
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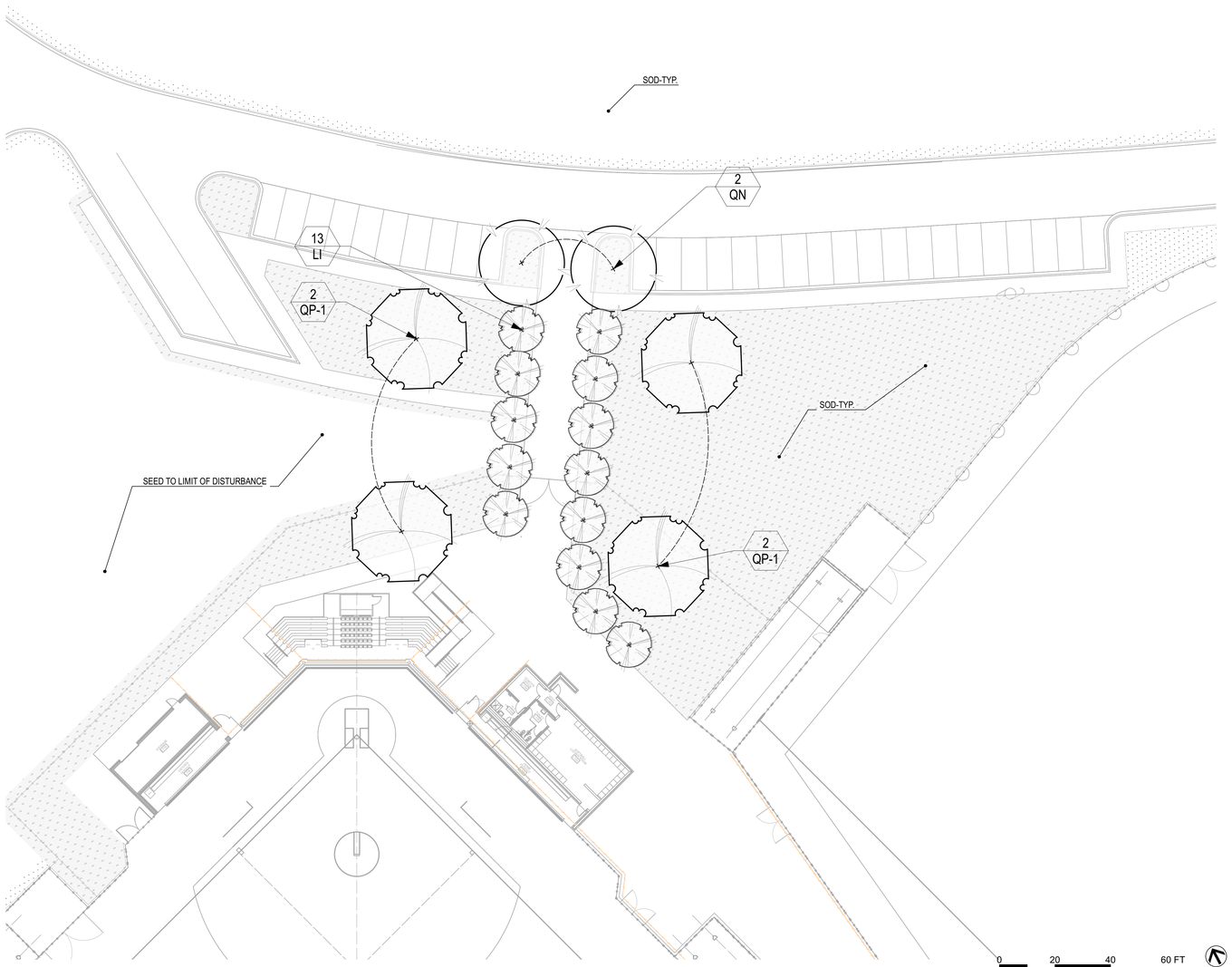
SP6.2

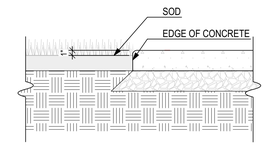
0 1" 2"



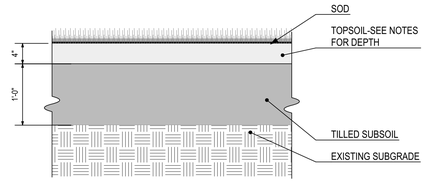
1 L7.0 LANDSCAPE PLAN
Scale: 1" = 20'-0"

PLANTING NOTES

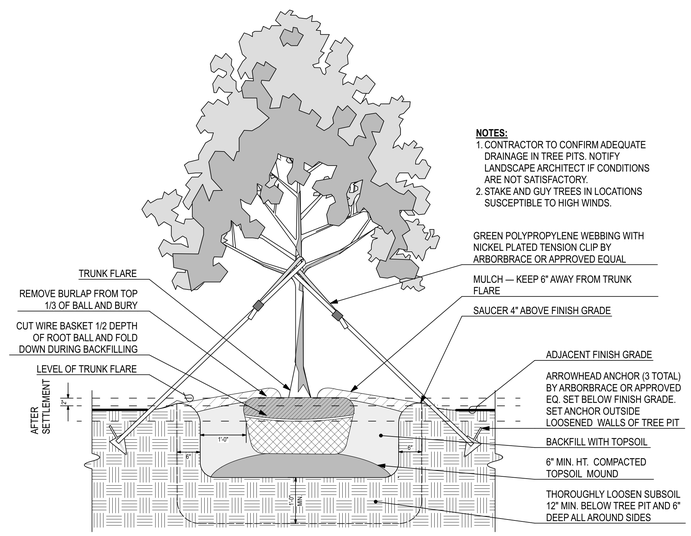
1. CONTRACTOR TO VERIFY ALL PLANT MATERIAL QUANTITIES AND PLANTING AREA DIMENSIONS PRIOR TO BEGINNING PLANTING. PROVIDE QUANTITIES AS REQUIRED TO MEET DRAWN DESIGN INTENT. IF DISCREPANCIES BETWEEN PLANS, DETAILS, AND SCHEDULE EXIST, CONTRACTOR TO NOTIFY LANDSCAPE ARCHITECT IMMEDIATELY. SEE PLANTING NOTES.
2. INTENT OF LANDSCAPE PLANS IS TO REQUIRE CONTRACTOR TO PROVIDE AND INSTALL PLANTING, SEED, SOD, OR MULCH ON ALL DISTURBED AREAS. IF DISTURBANCE AND/ OR INTENT IS UNCLEAR, VERIFY WITH LANDSCAPE ARCHITECT PRIOR TO BIDDING. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. PRIOR TO COMMENCING WORK, CONTRACTOR TO VERIFY ALL SUCH CONDITIONS TO HIS SATISFACTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILUR TO OBSERVE EITHER OF THESE REQUIREMENTS.
3. GRAFTED PLANT MATERIAL IS NOT ACCEPTABLE.
4. PLANT MATERIAL EXHIBITING LICHEN OR OTHER EVIDENCE OF DISEASE IS NOT ACCEPTABLE AND WILL BE REJECTED.
5. THE CONTRACTOR SHALL, FOR HIS OWN PROTECTION, VERIFY THE PRESENCE AND LOCATION OF ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION.
6. REMOVE BASE MATERIAL, ROCKS, DEBRIS, ETC. FROM PLANTING AREAS BEFORE PLANTING OPERATIONS BEGIN.
7. NO PLANT MATERIAL SHALL BE SET WITH ROOT CROWN LOWER THAN SURROUNDING GRADE. SET TREES WITH ROOT CROWN 2" - 4" ABOVE SURROUNDING GRADE; SET SHRUBS WITH ROOT CROWN 1" - 2" ABOVE SURROUNDING GRADE.
8. FLAG ALL TREE LOCATIONS AND PAINT BED LINES FOR LANDSCAPE ARCHITECT'S ON-SITE REVIEW AND APPROVAL PRIOR TO BEGINNING PLANTING OPERATIONS.
9. ALL SHRUB AREA SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 8". ALL SODDED AREAS SHALL RECEIVE TOPSOIL TO A MINIMUM DEPTH OF 4", UNLESS DIRECTED OTHERWISE.
10. FERTILIZATION SCHEDULE: AMEND PLANTING MIX OF EACH PLANT WITH FERTILIZER AS FOLLOWS:
    #1 POT - 1/4 CUP 6-12-12 OR 5-10-10
    #2 POT - 1/2 CUP 6-12-12 OR 5-10-10
    #3 POT - 3/4 CUP 6-12-12 OR 5-10-10
    FLOWERING/SHADE TREE - 1 CUP PER 1/2" CAL. 6-12-12 OR 5-10-10
11. ALL PLANTED AREAS SHALL RECEIVE PINE STRAW TO A DEPTH OF 3" AFTER SETTLEMENT. PLANTED SLOPES STEEPER THAN 3:1 SHALL RECEIVE PINE STRAW MULCH TO A DEPTH OF 3" AFTER SETTLEMENT.
12. CLEANUP AT THE END OF THE PROJECT, THE CONTRACTOR SHALL PRESSURE WASH ALL CONCRETE SURFACE (I.E., CURB AND GUTTERS, SIDEWALKS, DRIVES, STORM SEWER BOXES, BRICK PAVERS, EXISTING BUILDING BRICK AND STONE. SPECIFICALLY EXISTING CONCRETE ABUTTING REQUIRED CONCRETE SURFACES WITHIN THE PROJECT AND ALL ADJACENT AREA(S) TO ELIMINATE STAINING FROM EARTHEN MATERIAL, CONSTRUCTION EQUIPMENT, OILS, PAINTS, ETC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AT NO ADDITIONAL COSTS TO THE OWNER.



2 L7.0 SOD AT EDGE OF CONCRETE
Scale: 1" = 1'-0"



3 L7.0 SOD PLANTING
Scale: 1" = 1'-0"



4 L7.0 B&B TREE PLANTING
Scale: 3/4" = 1'-0"

PLANT LEGEND

ID	Quantity	Botanical Name	Common Name	Root	Scheduled Size	Spacing	Comments
—— SHADE TREES ——							
QN	2	Quercus nuttallii	Nuttall Oak	B&B	3"-3.5" cal.	AS SHOWN	Strong central leader
QP-1	4	Quercus phellos	Willow Oak	B&B	3"-3.5" cal.	AS SHOWN	Strong central leader
—— UNDERSTORY TREES ——							
LI	13	Lagerstroemia indica 'Natchez'	Lagerstroemia indica 'Natchez'	B&B	B&B	8'-10' ht.	Matched; 3-trunk min.; min. 1 1/4" cal. per trunk

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BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
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1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA · SEAN MICHAEL MCCLAIN · REGISTERED LANDSCAPE ARCHITECT · 1705
10/24/23

SHEET TITLE:
LANDSCAPE PLAN

PROJ. MGR.: R. LATHAN
DRAWN: DMW
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0 1" 2"

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LANDSCAPE SPECIFICATIONS

PART 1 - GENERAL

1.1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2. Summary:

A. Section consists of furnishing all labor, materials, tools, tests, royalties, services and other incidentals as may be required for the good and proper completion of planting operations. In general, the Work includes ground preparation; plants and planting; guys, stakes and guying and staking; mulch and mulching; fertilizer and fertilizing; water and watering; and full maintenance.

1.3. Submittals:

A. Product Data: Submit manufacturer's product literature, instructions and guaranteed analysis for fertilizer, lime and pre-emergent herbicide.

B. Certificates: Deliver all certificates of inspection and show specific plant materials covered by each certificate.

C. Maintenance Schedule: Submit a detailed maintenance outline and schedule for the Work of this Section. Include maintenance times and procedures to be followed by the Owner's personnel.

D. Topsoil
1. Test Results: Submit three (3) copies and maintain one (1) copy of all test results on-site for reference.
2. Samples: If required, submit by volume three (3) one-half cubic foot samples each of stockpiled and imported topsoil to be used in the work.

1.4. Quality Assurance:

A. Codes and Standards:
1. Comply with state and federal laws relating to inspection for disease and insect control.
2. Plant material quality: Conform to U.S.A. Standard for Nursery Stock, American Association of Nurserymen, Inc., latest edition.
3. Plant material nomenclature:
   a. Hortus Third, ed. Staff of the Liberty Hyde Bailey Hortorium, Cornell University, 1976.
   b. Names commonly used in the trade if not listed in the above standard.
   c. In all cases, botanical names take precedence over common names.
4. Perform sodding operations per Section V of Turfgrass Producers International (TPI) Guideline Specifications to Turfgrass Sodding, revised 1995.

B. Site Inspection: Prior to all Work of this Section, inspect all areas affected by the Work of this Section. Check existing construction to assure proper completion of the Work of this Section. Confirm all findings requiring correction in writing. Do not proceed with Work until corrective measures have been taken. Failure of the Contractor to comply with this requirement will be construed as the Contractor having accepted existing conditions and the Contractor at no cost will make any necessary or required corrective measures to the Owner.

1.5. Delivery, Storage And Handling:

A. Prior to shipment and after delivery, protect plant material from exposure to extreme heat, freezing and drying conditions. Where possible store plant material in a well-ventilated and shaded place, protected from wind and sun. Do not install material damaged during shipment or storage.

B. Prior to shipment and after delivery, protect turfgrass from exposure to freezing and drying conditions

C. An on-site storage area will be designated for the Contractor's use.

1.6. Job Conditions:

A. Dust Control:
1. Use all means necessary to control dust on and near the Work and on and near all off-site borrow areas if such dust is caused by the Contractor's operations during performance of the Work or if resulting from the condition in which the Contractor leaves the site.
2. Thoroughly moisten all surfaces as required to prevent dust being a nuisance to the public and concurrent performance of other Work on the site.

B. Protection:
1. Use all means necessary to protect all materials of this Section before, during and after installation; to protect all objects designated to remain, existing construction and to protect the public.
2. In the event of damage, immediately make all repairs and replacements necessary to the approval of the Landscape Architect and at no additional cost to the Owner.

PART 2 - PRODUCTS

2.1. Fertilizer: Comply with all State Fertilizer Laws when tested by current methods adopted by the Association of Official Agriculture Chemists. N, P, and K analysis of 5-10-10 or 6-12-12 or as recommended by soils test reports

2.2. Pre-Emergent Herbicide: Oxadiazon, oryzalin or trifluralin.

2.3. Topsoil:

A. If quantity of onsite topsoil is insufficient, provide material as required for completion of work. All topsoil, whether stockpiled or imported, is subject to this specification.

B. Natural, workable, friable, loamy sand, sandy loam to loam soil without admixture of subsoil, refuse, or foreign materials, free from hard lumps, stiff clay, hardpan, gravel, noxious weeds, brush, or other undesirable material harmful to plant growth. Topsoil found to contain any of the above materials is to be removed from the Work.

C. Exhibit a minimum field percolation rate of 3" per hour at 90% +/- standard laboratory density.

D. Testing:
1. Sample and test topsoil for compliance with specified characteristics and for nutrient and ph requirements.
2. Testing to be performed by a certified soils testing laboratory, in accordance with standard laboratory procedures.
3. Test a minimum of three (3) initial samples of any proposed topsoil.

E. Additions of fertilizer and/or lime recommended by soils test reports are part of the work of this Section. No additions to or placement of topsoil prior to initial soils test reports approval.

2.4. Lime:

A. General: Ground or crushed agricultural limestone.

B. Characteristics:
1. 90% passing a 10-mesh screen.
2. Not less than 50% passing a 60-mesh screen.
3. Neutralizing value of 90% calcium carbonate or better.
4. Dry and free flowing.

2.5. Solid Sod Turfgrass: Nursery grown turfgrass as shown on the drawings and as follows:

A. Free of objectionable grassy and broad leaf weeds, less than two (2) weed plants per fifty (50) square yards.

B. Growing Media: Furnish sod grown in loamy sandy to loam topsoil and that one-half inch minimum of soil is removed with the turf.

C. Squares: Cut to the supplier's standard width and length. Provide with less than one-half inch deviation from standard width and five percent on length. Squares and torn or uneven ends will not be acceptable.

D. Sod Strength: strong enough that it can be picked up and handled without damage.

E. Moisture Content: Do not harvest or place when its moisture content is excessively low or high.

F. Mowing Height: Prior to harvesting, the turfgrass is to be maintained at a regular mowing height from three-quarters to one and one-half inches.

G. Time Limitation: Harvest, deliver and install within a period of 24 hours

2.6. Grass Seed: Grass seed as shown on the Drawings and as follows:

A. Certified by an Official Seed Certifying Agency and tested within nine months prior to use.

B. Separately packed and delivered to the project in a seed-tight bag, each bag bearing a tag or label with the seal of the Official Seed Certifying Agency.

C. Conform to State seed laws and delivered to the site in the original unopened container, bearing the variety name, percent of germination, purity of the seed, and percent of obnoxious weeds and inert matter.

2.7. Straw Mulch For Seeded Areas: Threshed straw of oats, wheat, or rye, applied at the rate of not less than 1.75 tons per acre with a moisture content of not more than 15 percent, or if the moisture content exceeds 15 percent, proportionate increase shall be made in the rate of application.

2.8. Erosion Control Blanket: For seeded slopes greater than 3:1. Type 2.D short- term double net erosion control blanket meeting the requirements established by the Erosion Control Technology Council (ECTC) Specification and the U.S. Department of Transportation, Federal Highway Administration's (FHWA) Standard Specifications For Construction of Roads and Bridges on Federal Highway Projects.

2.9. Mulch: Location and placement as indicated on the Drawings and as follows:

A. Pine Straw Mulch: Clean, fresh, un-rotted pine straw containing no substance harmful to plant growth and free of noxious weeds, grasses, seeds, plants, roots, branches, sticks or extraneous matter.

B. Pine Bark Mulch:
1. In planted areas with 12:1 or greater slope: Shredded, course pine bark containing no cambium or other substance harmful to plant growth and free of noxious weeds, grasses, seeds, plants, roots, branches, sticks or extraneous matter.
2. In planted areas with less than 12:1 slope: Ground pine bark with a maximum size pieces of one and one half (1 1/2") inches containing no cambium or other substance harmful to plant growth and free of noxious weeds, grasses, seeds, plants, roots, branches, sticks or extraneous matter.

2.10. Plant Materials:

A. The plant species, sizes, manner in which to be furnished and quantities are given in the Plant Material Schedule on the Drawings.

B. Provide plant material of standard quality, true to name and type, and first class representatives of their species or variety. Provide labels securely attached to all plant material for purpose of inspection and identification stating correct plant name and size requirements shown on Drawings. Provide B & B material having been root pruned within the last two years. Provide container grown plants having been grown in the delivery container for at least one growing season.

C. Provide plant material having normal, well-developed branched and vigorous fibrous root systems. Provide healthy, vigorous plants free from defects, decay, disfiguring roots, sun-scald injuries, abrasions of the bark, diseases, insect pests or their eggs, borers and any other form of infestation or objectionable disfigurements.

D. Collected or grafted material will not be permitted unless otherwise indicated on the Plant Material Schedule on the Drawings.

E. Plant materials lacking compactness or proper proportions, which are weak or thin, which have a damaged or crooked leader or multiple leaders (unless specified), or plant materials injured by too close planting in nursery rows will be rejected.

F. Plant materials cut back from larger grades to meet requirements will be rejected. Plant materials shall not be pruned before planting.

G. Measurements:
1. Measure plant material with branches in normal position. Height and spread dimensions refer to main body of plant and not from branch tip to tip.
2. Take caliper measurements on the trunk 6 inches above natural ground line for trees up to 4 inches in caliper and 12 inches above natural ground line for trees above 4 inches in caliper.
3. Measurements specified are the minimum size acceptable. Take measurements after pruning, where pruning is necessary. If size range is given, provide no material less than minimum size, and provide 50% of plant materials maximum size specified.
4. Plants meeting measurements specified, but without normal balance between height and spread will be rejected.
5. Plants larger than specified and of equal quality may be accepted, but at no additional cost.

H. Balled Plants (B&B): Adequately balled with firm, natural balls of soil. If ball is cracked or broken before or during planting or if the plant is loose in ball, the plant will be rejected.

I. Container-Grown Plants: Plant material designated "container-grown" in the Plant Schedule shall be in sound containers of the size specified and free of weeds and grasses. If root and soil mass is cracked or broken before or during planting, the plant will be rejected. Root-bound plant materials will not be accepted.

J. Option to Methods: With the Landscape Architect's approval, plant material may be furnished container-grown instead of balled, if all other requirements are met.

K. Plant material with lichen growing on the trunk or branches will not be accepted.

2.11. Water: Fresh, free from oil or any other impurity or substance harmful to the Work or to plant materials and seed. Make arrangements necessary to insure an adequate supply of water to meet the needs of this Contract. Furnish all necessary hose, equipment, attachments, and accessories necessary to complete the Work as specified.

2.12. Tree Guying System: 'Aborbrace' HTG-HD Regular Size guying system with green, UV resistant, polypropylene guy-lines, nickel-plated spring cam-lock tensioning clips and aluminum anchors or approved substitute.

PART 3 - EXECUTION

3.1. General:

A. Planting/Sodding/Seeding Season: As directed.

B. Planting Location And Area Staking: Stake planting locations and areas prior to each operation. Obtain Landscape Architect's approval before proceeding with the Work. Make minor adjustments to locations or outlines as directed. Omit staking where areas are bounded by curbs or other structures.

C. Relocation Of Plant Materials: If rock, underground construction, utility lines or obstructions are uncovered during excavation of plant pits, alternate locations will be selected by the Landscape Architect without additional cost to the Owner.

A. Damage: At all times from beginning of construction to Substantial Completion of entire project, provide protection for Work and repair damage occurring to all sections of this specification.

3.2. Subgrade/Soils

A. Inspection: Prior to all work of this Section, inspect all areas of the site. Check existing subgrade elevations, lines, grades, conditions to assure specified topsoil depths and final finished grades. Note any and all areas showing concentrations of construction debris. Confirm all findings requiring correction to the Landscape Architect in writing. Do not proceed with work until corrective measures have been taken. Failure to comply with this requirement will be construed as having accepted existing subgrade.

B. Sub-Grade Preparation:
1. Loosen sub-grade soil to a minimum depth of three (3) inches and grade to remove all ridges and depressions so that it will be parallel to proposed finished grade. All stones over two (2) inches in any dimension, sticks, rubbish and other extraneous matter shall be removed from the sub-grade soil during this operation.
2. Where concentrations of rubble, crushed limestone, concrete, asphalt and other construction debris are encountered, remove entirely to a minimum depth of 12 inches below completed subgrade. Backfill such areas with clean subgrade soil material and compact to specified density. Recondition backfilled surface as specified.
3. Where completed sub-grade areas are disturbed by subsequent operations or weather, scarify and reshape the surface prior to spreading topsoil.

C. Topsoil Placement:
1. Spread topsoil in all areas disturbed by contract work and not shown on the Drawings to be covered by other construction or materials. Install to produce required minimum finished depth as noted in the Drawings.
2. Do not place topsoil in frozen or wet conditions.
3. Thoroughly and uniformly incorporate fertilizer and/or lime during spreading operations and as recommended by soils test reports.
4. Compaction, general: Compact each soil layer to at least the specified minimum degree. Repeat compaction process until finished elevation is attained.
5. Degree of Compaction Requirements:
   a. Topsoil Areas: Compact topsoil areas to ninety percent (90%)± standard laboratory density. Do not over compact.
   b. Testing: Provide testing as required to assure compliance with specifications.
6. Carefully fine grade and rake topsoil surface to the finished lines, grades and elevations. During this operation, remove all stones over one (1) inch in any dimension, sticks, rubbish and other debris from the surface. Feather topsoil into existing ground surface at applicable limits of Work to produce a smooth, uniform transition from new to existing.

D. Treatment After Completion Of Grading:
1. After fine grading is complete permit no further excavating, filling or grading.
2. Use all means necessary to prevent erosion of or damage to completed areas during construction and until final acceptance of the work..

3.3. SODDING:

A. Preparation for Sodding:
1. The exposed soil surface to be sodded shall be loosened to a minimum depth of three inches (3") and graded to remove all ridges and depressions. All stone over one inch (1") in any dimension, sticks, rubbish and other extraneous matter shall be removed during this operation.
2. Finished Grading: All areas to be sodded shall then be graded and raked to the grades specified above in uniform, even slopes. The surface, when finished and settled, shall conform to the required grades and shall be free from hollows, high spots and other inequalities. During this operation, all stones over one inch (1") in any dimension, sticks and other debris shall be removed from the soil surface and disposed of off-site.

B. Sod Installation:
1. Do not place sod when ground is wet or frozen.
2. Place in straight lines, with rows placed parallel to and tightly against each other. Stagger joints.
3. Do not stretch or overlap pieces.
4. Butt edges tight.
5. Do not install torn or thin pieces
6. Locate and trim sod around all irrigation heads, valve boxes, etc. at time of sod installation.
7. Roll completed areas with hand-held roller to bond sod to soil and smooth out rough spots.
8. Cut –out and remove any torn or thin pieces and replace with fresh sod, 12 inches by 12 inches minimum. Replant areas, which show bare spots larger than 2" in any dimension.
9. Water as required.
10. Provide smooth completed surface free of irregularities, conforming to the grades and lines specified.

3.4. PERMANENT COVER SEEDING:

A. Preparation for Seeding: Refer to 3.3-A this Specification.

B. Sowing: In the areas shown and noted on the Drawings, sow specified seed at the specified rate exercising care that uniform distribution of seed is obtained. Sow on a still day, using a hopper-type seeder or other approved equipment, one-half of the seed for each area being sown in a direction at right angles to the other half. After seeding, lightly rake, roll once with a roller weighing not less than one hundred (100) pounds per linear foot, and thoroughly water with a fine spray. Maintain uniform seed distribution during raking and watering.

C. Mulching: Hand or machine apply specified mulch. Apply loose to permit air to circulate and compact enough to reduce erosion. Loosen baled mulch material and assure that bales contain no lumps or knots of compacted material. Provide a layer of mulch 1/4" thick in depth over the entire seeded area. Begin mulch application immediately following completion of sowing operations.

D. Erosion Control Blanket: Install on all seeded slopes greater than 3:1. Install per manufacturer's recommendations.

E. Prior to final acceptance of seeded areas, provide a uniform cover over all seeded areas with a density of 95% of each square yard of the seeded area and a well developed root system. For purposes of establishing an acceptable standard, scattered bare spots, none of which is larger than two (2) square feet, up to a maximum of five (5) percent of any seeded area. Reseed as required for coverage.

3.5. Plant Installation:

A. Plant Pits: Circular in outline with vertical sides. Depth, width and construction of pit as indicated on the Drawings.

B. Separate existing subgrade soils from the upper topsoil portions and remove wherever encountered during planting operations.

C. Notify Landscape Architect in writing immediately of any subsurface drainage or soil conditions, which Contractor considers detrimental to growth or survival of plant materials. State conditions and submit proposal for correction including cost of correction. Obtain approval of method of correction before continuing operations in the affected portion of the Work. Failure to comply with this requirement will be construed as having accepted the conditions.

D. Set plants in relationship to finished grade as indicated on the Drawings. Use topsoil to backfill plant pits. When plant pits have been backfilled approximately two-thirds full, water thoroughly before installing remainder to top of pit.

E. Apply fertilizer at the rate indicated on the Drawings.

F. Set trees plumb and brace rigidly in position until the topsoil has been tamped solidly around the ball and roots.

G. Cut rope or strings from top of B&B material after plant has been set. Leave burlap or cloth wrapping intact around balls.

H. Water all plants thoroughly by hose immediately after planting.

I. Guy and stake trees as indicated on the Drawings.

J. Mulch all areas not seeded or sodded and as indicated on the drawings. Use mulch materials specified in this section. Mulch within twenty-four (24) hours after planting.

K. Apply pre-emergent herbicide to shrub and groundcover beds. Strictly follow manufacturer's label directions and procedures.

L. Prune as required at the site in accordance with standard horticultural practice and as approved by the Landscape Architect. Prune with clean, sharp tools.

3.6. Maintenance Operations

A. General:
1. Provide full service type program to include watering, spraying for insect and fungus control, fertilizing, mowing, pruning and repair. The maintenance period will begin with the first plantings and terminate thirty (30) days after Substantial Completion.
2. At Substantial Completion, submit a detailed maintenance outline and schedule. Include maintenance times and procedures conducted during construction and suggested maintenance times and procedures to be followed by the Owner's personnel during the remainder of the guarantee period.

B. Plant Material Maintenance: Provide watering, weeding, cultivating, pruning, spraying, mulching, resodding, reseeding, tightening and repairing of guys, resetting plants to proper grades or upright position, restoration of planting saucer and planting replacements as necessary to keep plant materials in a healthy growing condition and keep all planted areas neat and attractive during the maintenance period.

3.7. Substantial Completion And Guarantee:

A. Review And Acceptance:
1. In the presence of the Landscape Architect, review all Work of this Section. Following completion of any required repairs, the Landscape Architect will certify to the Owner as to Substantial Completion of the planting.
2. Substantial Completion of the planting shall constitute the beginning of the Guarantee Period for the planting.

B. Guarantee Period And Replacements:
1. Guarantee the Work of this Section for one (1) year beyond the date of Substantial Completion.
2. Replace all dead plant materials and all plant materials not in a thriving condition during and at the end of the guarantee period, with no additional compensation, as weather conditions permit.
3. In the event replacement is not acceptable at the end of the guarantee period, the Owner may elect either additional replacements or credit for each item.
4. Guarantee does not apply to loss due to vandalism, acts of God, or failure of the Owner to maintain plant materials after the end of Contractor's maintenance period.
5. Periodically inspect Owner's maintenance program and procedures and submit recommendations in writing of any changes in the Owner's program, which is necessary for the success of the planting.

3.8. Final Review And Acceptance:

A. At the end of the guarantee period and in the presence of the Landscape Architect, review all Work for Final Acceptance.

B. Following completion of required repairs or renewals, the Landscape Architect will certify to the Owner as to Final Acceptance of the Work.

LATHAN ARCHITECTS
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BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA · SEAN MICHAEL HUGHES · 29660 · REGISTERED LANDSCAPE ARCHITECT
10/24/23

SHEET TITLE:
LANDSCAPE SPECIFICATIONS

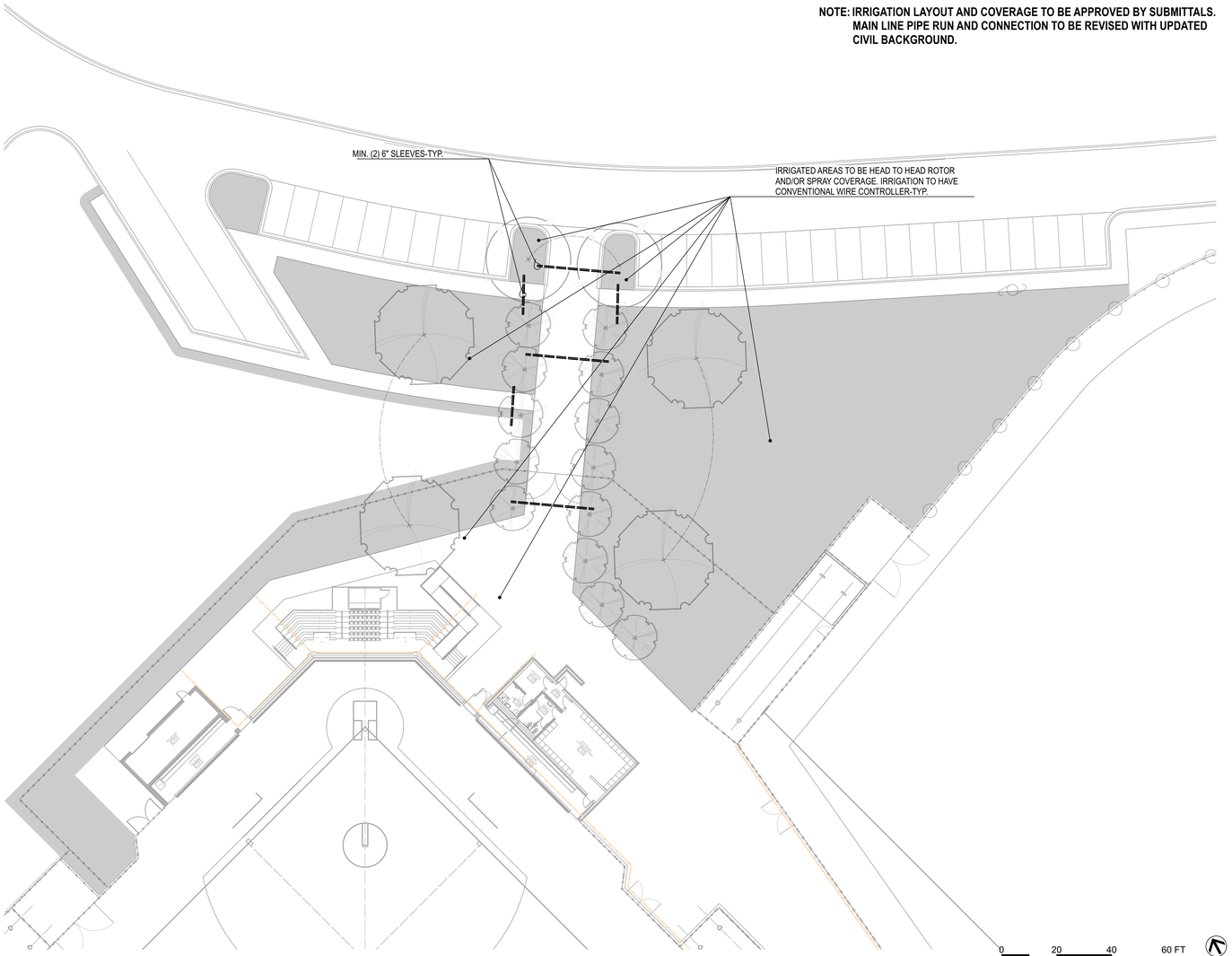
PROJ. MGR.:	R. LATHAN
DRAWN:	DMW
DATE:	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:
L7.1

0 1" 2"

NOTE: IRRIGATION LAYOUT AND COVERAGE TO BE APPROVED BY SUBMITTALS. MAIN LINE PIPE RUN AND CONNECTION TO BE REVISED WITH UPDATED CIVIL BACKGROUND.



1 L8.0 **IRRIGATION COVERAGE PLAN**
Scale: 1" = 20'-0"

IRRIGATION NOTES

1. ALL WORK WILL CONFORM TO LOCAL, STATE AND FEDERAL CODES AND REGULATIONS. OBTAIN ALL PERMITS, LICENSES, ETC. REQUIRED FOR EXECUTION OF WORK.
2. DUE TO MODIFICATIONS MADE DURING CONSTRUCTION, SITE CONDITIONS MAY VARY FROM THOSE SHOWN. VERIFY ALL SUCH CONDITIONS AS WELL AS THE PRESENCE AND LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION. NO CHANGE IN CONTRACT PRICE WILL BE GRANTED FOR FAILURE TO OBSERVE THIS REQUIREMENT.
3. CLEAN-UP AND DISPOSE OF OFF OWNER'S PROPERTY ALL DEBRIS, WASTE AND EXCESS CONSTRUCTION MATERIALS FOLLOWING COMPLETION AND LEAVE NEAT, CLEAN READY FOR OWNER'S USE.
4. LAY MAIN PIPE RUN TO A DEPTH OF 24" MINIMUM FROM FINISH GRADE AND LATERALS TO A DEPTH OF 18" MINIMUM.
5. PROVIDE ALL LABOR, MATERIALS, APPLIANCES, EQUIPMENT, SERVICES AND INCIDENTALS NECESSARY FOR FURNISHING, INSTALLING AND TESTING, COMPLETE AND READY FOR OPERATION, IN A MANNER SATISFACTORY TO THE OWNER, THE IRRIGATION SYSTEM REQUIRED BY THE DRAWINGS.
6. NO ROCKS, BOULDERS OR OTHER EXTRANEOUS MATERIALS TO BE USED IN BACKFILLING OF TRENCH.
7. ALL PIPE TO BE INSTALLED AS PER MANUFACTURER'S SPECIFICATIONS.
8. ALL THREADED JOINTS TO BE COATED WITH TEFLON TAPE OR LIQUID TEFLON.
9. ALL LINES TO BE THOROUGHLY FLUSHED BEFORE INSTALLATION OF SPRINKLER HEADS.
10. SCHEDULE QUANTITIES ARE FOR REFERENCE AND BUDGET PRICING ONLY. CONTRACTOR TO VERIFY QUANTITIES REQUIRED FOR FINAL DESIGN AND IN-FIELD ADJUSTMENTS.
11. PROVIDE BALL VALVE ON SUPPLY SIDE OF ALL CONTROL VALVES.
12. DRIP AREAS SHOWN ARE DIAGRAMATIC FOR CLARITY. PLACE DRIP LINES IN FIELD TO ENSURE CONTINUOUS DRIP LINE IS PRESENT ON BOTH SIDES OF PLANT 3-6" FROM STEM. SEE DETAIL.
13. GANG VALVES IN BOXES TO MINIMIZE QTY OF BOXES REQUIRED. CONCEAL BOXES IN PLANTING AREAS OR IN REMOTE PORTION OF LAWN.
14. RUN DRIP LINE PARALLEL TO CONTOURS. PROVIDE CONTINOUS LOOP SYSTEM IN PLANTING AREAS. SEE DETAIL. TYP.
15. SPRINKLER AND RELATED EQUIPMENT TO BE INSTALLED AS PER DETAILS.
16. INSTALLER SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES BEFORE CONSTRUCTION.
17. LAYOUT IS DIAGRAMMATIC IN NATURE. INSTALLER SHALL NOTE ON PLANS, THE ACTUAL LOCATION OF PIPES, HEADS, VALVES, AND CONTROLLERS. THIS PLAN IS THEN TO BE GIVEN TO THE OWNER AS AN AS-BUILT DRAWING.
18. PROVIDE MAGNETIC DETECTABLE TRACER WIRE ABOVE ALL PIPE RUNS.

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BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
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STATE OF ALABAMA · SEAN MILLIMAN · REGISTERED LANDSCAPE ARCHITECT · 759
10/24/23

SHEET TITLE:
IRRIGATION PLAN

PROJ. MGR.: R. LATHAN
DRAWN: DMW
DATE: 10/24/23
REVISIONS

JOB NO. 23-66
SHEET NO: L8.0

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IRRIGATION SYSTEM SPECIFICATIONS
CONVENTIONAL SYSTEM : DESIGN/BUILD

PART 1 - GENERAL

1.1. SUMMARY

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

B. Section includes all labor, materials, appliances, equipment, services to include system design and incidentals necessary for furnishing, installing and testing, complete and ready for operation, in a manner satisfactory to the Landscape Architect, the irrigation system required by these Specifications.

C. Without restricting the generality of the foregoing, the Work includes the following:
1. Complete shop drawings of system design.
2. A complete system of irrigation water piping.
3. Irrigation system equipment, trimmings and the like, as herein specified.
4. Any items incidental to proper completion of all irrigation system work as specified.

1.2. SUBMITTAL

A. Product Data: Submit a detailed list showing each item which is to be furnished by make, trade name or catalog number; together with manufacturer's specifications, certified prints, cut sheets, and other data sufficient for making comparisons with items specified.

B. Shop Drawings: Submit complete shop drawings as required by owner

C. Hydrostatic Test Results: Submit three (3) copies and maintain one (1) copy of all test results on-site for reference.

D. Project Close-Out:
1. Record 'As-Built' Drawings (digital format).
2. Equipment Operating and Maintenance Manuals (3).
3. Maintenance Schedule (3).
4. Equipment Warranty dates and guarantees (3).
5. List of Owner's personnel who have received operation and maintenance instructions.
6. Spare Parts.
7. Valve Schedule: Provide a printed list of valves, giving number and control of each, also a small, scale diagram outlining the general run of pipe lines and giving the location of valves. Produce diagram by standard drafting techniques.

1.3. QUALITY ASSURANCE:

A. Comply with local, state, and federal laws and National Sanitation Foundation recommendations governing or relating to this Work.

B. Site Inspection: Prior to all Work of this Section, inspect all areas affected by the Work of this Section. Check existing construction to assure proper completion of the Work of this Section. Confirm all findings requiring correction in writing. Do not proceed with Work until corrective measures have been taken. Failure of the Contractor to comply with this requirement will be construed as the Contractor having accepted existing conditions and the Contractor at no cost will make any necessary or required corrective measures to the Owner.

1.4. MINIMUM QUALIFICATIONS OF CONTRACTOR:

A. Satisfactory experience record with installations of character and scope comparable to this project.

B. In business as a contractor for work of this type, continuously, for at least five (5) years prior to the date of this project.

1.5. INTENT OF SPECIFICATION:

A. It is the intent of this Specification to accomplish the installation of an automatic irrigation system which will operate in an efficient and satisfactory manner according to industry standards established for such system operations. The system will provide full and complete head to head coverage, without overspray onto all other use areas and structures, of all plants and planted areas shown on the Irrigation Coverage Plan. Design and install the system to separate shrub and groundcover stations from lawn areas. Layout system stations to include coverage for similar environmental conditions. Account for unique watering needs of trees as necessary.

B. Adjust design and notify owner of any changes to coverage area or equipment necessary to meet field conditions, or in order to avoid conflict with the equipment of other trades.

C. Shop Drawings: Submit for the Landscape Architect's review prior to beginning any installation, shop drawings of his entire system design as follows:
1. Make all shop drawings accurately to the scale of scales of the Drawings. Where critical points develop enlarge the area sufficiently to show all pertinent aspects of the installation. Make all necessary measurements in the field to insure proper fit of all items in accord with specifications intent.
2. Shop drawings will, at the minimum, show (in addition to the entire irrigation system to include sleeve locations; pipe runs; pipe sizes; head types, throws and locations; valve types and locations; controller locations; meter locations; pressure reducer locations; backflow preventer location; supply points and sizes and other system items) planting, beds, lawn areas, building outlines, walks, drives, parking areas and project site boundaries.
3. Reproductions of the Planting Drawings will not be used for shop drawings except with written consent.
4. Type of Prints Required; Submit shop drawings in the form of three (3) prints of each sheet.

D. All equipment and accessories shall be located in such a manner as to provide ready access for proper service and maintenance.

1.6. COORDINATION: Sleeves under walks, roadways, paving, etc., are installed as part of the work of this Section.

1.7. TESTS: Include all tests specified and/or required under laws, rules and regulations of all departments having jurisdiction.

PART 2 - PRODUCTS

2.1. GENERAL:

A. Provide new, standard, first-grade materials throughout.

B. Materials and products specified by manufacturer's name, brand, trade name, or catalog reference, are the basis of design. Substitutions will be considered only by written request for approval. Include in each request the name of the material or equipment for which substitution is proposed and a complete description of the proposed substitute including drawings, cut sheets, performance and test data and any other information necessary for evaluation. The burden of proof of the merit of the proposed substitute is upon the proposer.

C. Provide similar items of equipment from the same manufacturer

2.2. BACKFLOW PREVENTER: Verify type and provide backflow prevention device approved by local water authority.

A. Double Check Backflow Preventer: 'Watts' 007 Double Check Assembly.

B. Reduced Pressure Backflow Preventer: 'Watts' 009 Reduced Pressure Zone Assembly with insulated enclosure and heating element.

2.3. WATER METER: Provide water meter meeting the requirements of the local water authority.

2.4. ISOLATION GATE VALVES: 125-pound rated minimum, mechanical joint, rising stem, resilient wedge, of size required for the line indicated on the Drawings.

2.5. EQUIPMENT SUPPORTS: Provide supports for piping and equipment. Hot dip galvanize after fabrication all supports, etc., located outdoors. Paint all exposed flat black.

2.6. PIPE:

A. General: Conforming to ASTM Standards for pipe of each material; each length or fitting stamped or indelibly marked with weight or quality thereof, and maker's name or mark best quality, free from cracks, holes, blisters and other defects.

B. Plastic Pipe:
1. Sleeves: Schedule 40 PVC or as noted in the Drawings.
2. Main Line or any pipe ≥ 3" dia.: Schedule 40 PVC. Gasket pipe and fitting. No insert gaskets or insert gasket fittings will be accepted.
3. Lateral Line: 1" - 2 1/2" diameter, Class 200 PVC, solvent weld.
4. Fittings: PVC for corresponding service.

C. Copper Tube: ASTM Specifications B88, copper water tube type "K" with cast brass or wrought copper water tube fittings.

2.7. CONCRETE THRUST BLOCKS: 3000psi cast-in place concrete. Size as req'd.

2.8. RAIN/FREEZE SENSOR: Furnish and install Rainbird, Hunter, Toro or approved substitute as shown on the Shop Drawings. Connect to controller.

2.9. FLOW SENSOR: Furnish and install Rainbird, Hunter, Toro or approved substitute as shown on the Shop Drawings. Connect to controller.

2.10. IRRIGATION CONTROLLER: Furnish and install Rainbird, Hunter, Toro or approved substitute as shown on the Shop Drawings. Provide WIFI/Network connection and capability for owner/maintenance use. Flow and weather sensing required.

2.11. LINE SURGE PROTECTION: As required by MFGR.

2.12. IRRIGATION CONTROL WIRING: Sprinkler wire, No. 14 UF; single, solid, copper conductor with watertight connectors. Splicing between boxes is not acceptable.

2.13. VALVE ACCESS:

A. Provide access to underground valves and the like as follows:
1. Remote Control Valves: 10" round valve box or approved substitute.
2. Gate Valves: 6" round valve box or approved substitute.
3. Control Valves/Drain Valves/Other Underground Devices: Plastic box and cover (size as required) or approved substitute.
4. Valve box extensions: Match base valve box

2.14. REMOTE CONTROL VALVES: Furnish and install Rainbird, Hunter, Toro or approved substitute as shown on the Shop Drawings. Size to match required flow/pressure.

2.15. IRRIGATION HEADS AND NOZZLES: Furnish and install Rainbird, Hunter, Toro or approved substitute as shown on the Shop Drawings.

2.16. LANDSCAPE DRIP LINE: Furnish and install Rainbird, Hunter, Toro or approved substitute as shown on the Shop Drawings. Subsurface Rated. Provide pressure indicators per MFGR recommendations.

2.17. OTHER MATERIALS: All other materials, not specifically described but required for a complete and proper irrigation system installation, shall be new, first quality of their respective kinds, and subject to the approval of the Landscape Architect.

PART 3 - EXECUTION

3.1. GENERAL:

A. The Irrigation Drawings are diagrammatic in general, subject to the requirements of the Specifications, and not intended to show all fittings or all details of the work. Follow Drawing as closely as possible, checking all dimensions against conditions existing in the field.

B. Water Piping:
1. Plastic: In planted areas.
2. Copper Tube: Where passes through concrete, is to be covered by concrete, or is exposed.

C. Provide full and complete coverage of all watered areas and make any minor adjustments as required.

3.2. EXCAVATING AND BACKFILLING:

A. Excavate trenches wide enough for proper installation of work and grade trench bottoms evenly, providing bell holes as necessary to insure uniform bearing for pipes. Do not block or mound material to bring pipe to final grade. In rocky areas excavate an additional six (6) inches below specified trench depth to allow for proper bedding of pipe. Trench excavation is defined as unclassified excavation for the purposes of this Section. Refill any cuts below required pipe grade with selected material and firmly compact. Properly shore trenches to protect workmen and adjacent work.

B. Backfill after inspection authority's approval. Backfill with selected material and compact. Use only backfill material free of wood, steel, brick, rock, etc. Under pavements and other surfacing, compact in 6" layers. In backfilling, take care to not disturb pipe.

3.3. PIPE INSTALLATION:

A. Pipe Line Assembly:
1. Lay out work and install as accurately as possible to the Drawings and in accordance with pipe manufacturer's recommendations.
2. Install no piping in direct contact with slag fill. Where necessary to pass through slag, protect piping with not less than two (2) wrappings of polyvinyl chloride tape, or equivalent protection.
3. Install all piping concealed, except where specifically shown or specified exposed. Lay underground piping to depth of cover as indicated on the Drawings. Support underground piping solidly along body of pipe. Pipes sharing the same trench shall have a minimum horizontal and vertical separation of 4".
4. Install in a manner to provide for expansion and contraction as recommended by the manufacturer.
5. Provide concrete thrust blocks at all changes in direction of main line piping as indicated on the Drawings.

B. Pipe Joints:
1. Threaded Piping: Make joints with Teflon tape applied to male threads as recommended by the manufacturer.
2. Plastic Piping: Solvent weld according to recognized plumbing practices.
   a. For joining PVC pipe, use a cement complying with ASTM D-2564 and recommendations of pipe manufacturer.
   b. For cleaning PVC use a cleaner complying with recommendations of pipe manufacturer.
3. Whenever dissimilar metals connect, provide dielectric insulating unions or couplings.
4. Make all connections between plastic pipe and metal pipe and equipment with threaded fittings using plastic adapters and Teflon tape.
5. In Copper Tubing: 95-5 solder joints in accordance with recognized plumbing practices.

C. Closing of Pipe and Flushing Lines:
1. Temporarily cap or plug open ends as soon as lines have been installed to prevent the entrance of materials that would obstruct the pipe. Leave in place until removal is necessary for completion of installation.
2. Thoroughly flush out all water lines after testing and before installing heads.

3.4. HYDROSTATIC TESTS:

A. Prior to backfilling of trenches, center load piping to prevent arching or slipping under pressure.

B. Main lines and sub-mains: Apply a continuous and static water pressure of 100 psi minimum when welded plastic joints have cured at least 24 hours and with the risers capped. Test for six (6) hours with 5 psi loss maximum.

C. Repair leaks resulting from tests.

D. Provide Verification of passing result to Owner

E. After testing, leave general pressure on until ready to install heads, except when necessary to drain to avoid freezing during construction.

3.5. WATER METER: Verify location of placement with local water authority and install per their requirements.

3.6. BACKFLOW PREVENTER: Verify location of placement with local water authority and install per their requirements and as follows:

A. General
1. Install so that device is a minimum of 12 inches from any walls, ceilings, side of pit or encumbrances
2. Install in a horizontal position only.
3. Readily accessible for testing, repair, and maintenance

B. Double Check Backflow Preventer:
1. Install in a pit approved by the local water authority

C. Reduced Pressure Backflow Preventer:
1. Protect from freezing and vandalism.
2. Provide concrete pad, enclosure and electrical connections for heating element. Install so that bottom of device is a minimum of 12 inches above the ground or floor.
3. Do not install in a pit.
4. Do not connect relief valve directly to any waste disposal line, including sanitary sewer, storm drains or vents.

3.7. LANDSCAPE DRIP LINE: Install Landscape Drip Line per manufacturer's recommendations.

3.8. REMOTE CONTROL VALVES/DECODER: Install where indicated on Shop Drawings and in accordance with manufacturer's recommendations. Valve/decoder connectors shall include a 36" wire expansion coil to facilitate raising splices to ground level without cutting wires.

3.9. IRRIGATION CONTROLLER: Install where indicated on the Shop Drawings and in accordance with manufacturer's recommendations. Provide power and network access.

3.10. ISOLATION VALVES: Install as indicated on the Shop Drawings. Provide valve operating tool(s) in the event valves are installed below arm access from finished grade. Quantity and placement of isolations valves should allow for efficient system service and proper winterization.

3.11. VALVE BOXES: All valves shall be installed in valve boxes of sufficient size to perform routine maintenance on valves. Install in inconspicuous yet accessible areas. Avoid areas where safety and aesthetics are of importance (play lawns, building entries, seating areas, along sidewalks, etc). Install so that the top is flush with finished grade and square with adjacent building, wall, walk, etc. Install valve box extensions as required to bring top of valve box flush with finished grade.

3.12. CONTROL WIRING/LINE SURGE PROTECTION: Install control wiring in a neat and orderly manner, run in same trench as piping. Make connections to remote control valve using specified connectors. Do not exceed manufacturer's recommended maximum length of wire runs or distances between line surge protection. Make connections to the controller as required.

3.13. IRRIGATION HEADS/ROTORS/NOZZLES: Install all heads as shown and detailed on the Shop Drawings. Heads shall be installed with a 2" space between the edge of the head and curbs, walls, sidewalks, driveways, etc. Set plumb to finished grade. Do not use thread sealing compound on threaded connections between sprinkler head and nipple. Install proper nozzle to achieve coverage required.

3.14. FINAL TEST: Test and adjust all parts of the irrigation system, and associated equipment to work properly and be left in perfect operating condition. Correct all defects disclosed by these tests.

3.15. SPARE PARTS: Provide the Owner with the following:

A. Two (2) extra sprinkler head(s) with nozzles, of each size and type;

B. One (l) extra valve(s) of each size;

C. One (l) extra valve access box(es);

D. One (l) key(s) for manual valves;

E. Two (2) head adjustment wrenches;

F. Five (5) repair couplings for each size and type of pipe.

LATHAN ARCHITECTS
LATHAN • BRYANT • CALMA

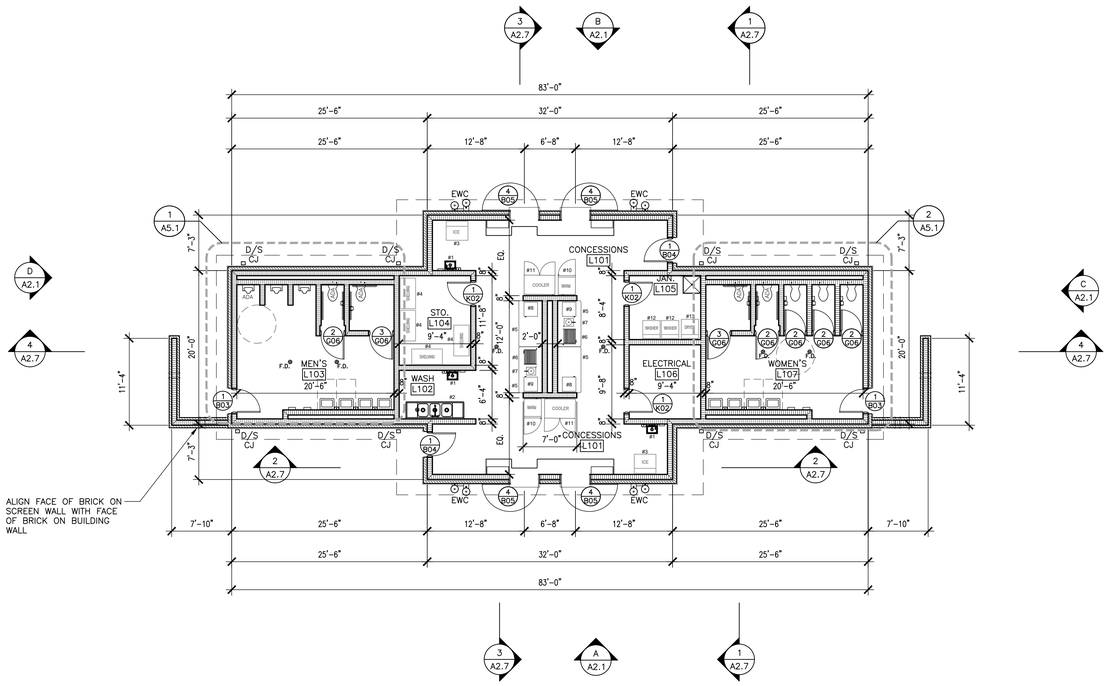
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

SHEET TITLE:
IRRIGATION SPECIFICATIONS

PROJ. MGR.: R. LATHAN
DRAWN: DMW
DATE: 10/24/23
REVISIONS

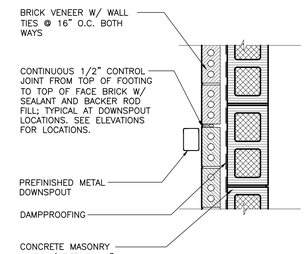
JOB NO. 23-66
SHEET NO:
L8.1

0 1" 2"



1 CONCESSIONS FLOOR PLAN

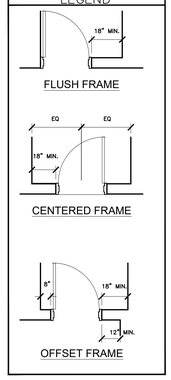
1/8" = 1'-0"



2 CONTROL JOINT DETAIL

1" = 1'-0"

DOOR PLACEMENT LEGEND



SYMBOLS LEGEND

A1.1 ELEV. MARK / SHEET NUMBER	1C DOOR TYPE / DOOR RATING / A HARDWARE SYMBOL
NEW DOOR AND SWING	A1.1 SECT. MARK / SHEET NUMBER
EWC ELECTRIC WATER COOLER	5 / A5.1 / 12 ELEV. MARK / SHEET NUMBER / INT. ELEVATION
TB 4' TACK BOARD	A EXTERIOR WINDOW
MB MARKER BOARD	1 STOREFRONT
FEC RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	A INTERIOR WINDOW
A200 ROOM NUMBER	AREA OF CONCRETE
EJ EXPANSION JOINT	F.D. FLOOR DRAIN
FE SURFACE MOUNT FIRE EXTINGUISHER	CJ CONTROL JOINT
+ INTERIOR FLOOR ELEVATION	HR WALL MOUNTED HANDRAIL SYSTEM
T.O.M. TOP OF MASONRY	D/S DOWNSPOUT
T.O.S. TOP OF STEEL	
F.F.E. FINISH FLOOR ELEVATION	

DOOR FIRE RATING LEGEND

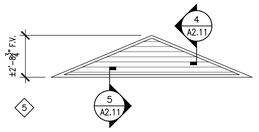
DOOR TYPE	(2)	NO RATING
DOOR TYPE + A	(2A)	20 MINUTE RATING
DOOR TYPE + B	(2B)	45 MINUTE RATING
DOOR TYPE + C	(2C)	60 MINUTE RATING
DOOR TYPE + D	(2D)	90 MINUTE RATING
DOOR TYPE + E	(2E)	180 MINUTE RATING

GENERAL NOTES

- EXTEND & KEY RATED WALLS TO BOTTOM OF ROOF DECK - SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
- SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
- ALL PLAN DIMENSIONS ARE TO FACE OF CMU WALL OR CENTERLINE OF STUD WALL UNLESS NOTED OTHERWISE
- WINDOWS ARE DIMENSIONED TO THE CENTER LINE
- SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING 1/4 : 12
- ALL DOWNSPOUTS INTERSECTING CONCRETE PADS AND/OR WALKS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM
- SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.
- PROVIDE BULL-NOSE AT ALL OUTSIDE CMU CORNERS
- ALL EXPOSED CMU SHALL BE PAINTED

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND 1" RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	PAINTED 6", 8" OR 12" CONCRETE MASONRY WALL (CMU). SEE PLAN FOR WALL WIDTH CHANGES SEE LIFE SAFETY PLAN FOR FIRE RATING
SOUND ATTENUATION PARTITION	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION

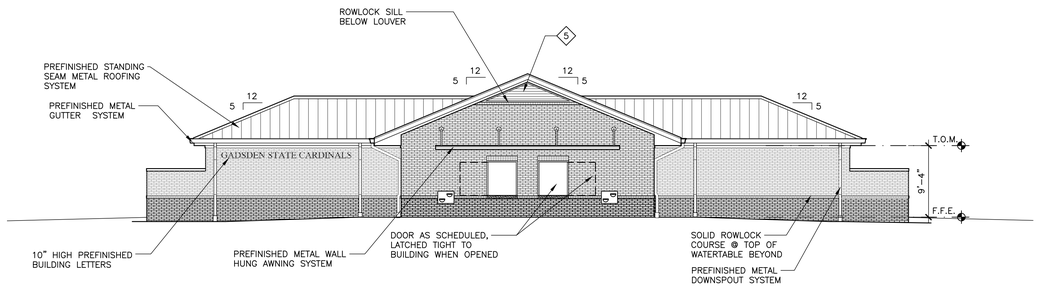


3 ARCHITECTURAL LOUVER SCHEDULE

1" = 1'-0"

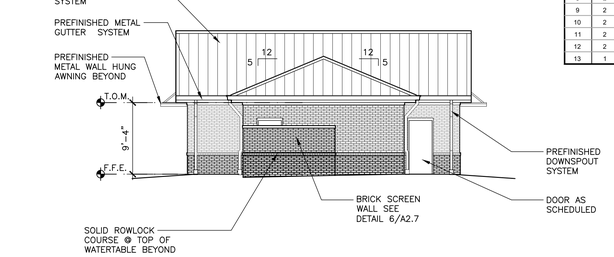
CONCESSIONS EQUIPMENT SCHEDULE

ITEM NO.	QTY.	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NO.	EQUIPMENT REMARKS
1	3	HAND SINKS	ADVANCE TABCO OR EQUAL	7-PS-60	
2	1	THREE COMPARTMENT SINK	ADVANCE TABCO OR EQUAL	FE-3-1824-18RL-X	INCLUDE K-11-X FAUCET, K-4 AND K-5 LEVER DRAINS
3	2	ICE MACHINE WITH BIN	ICE-O-MATIC OR EQUAL	GEM-0650A	INCLUDE B55 BIN AND IFQ1 WATER FILTER
4	4	SHELVING SECTION	ADVANCE TABCO OR EQUAL	EGG-2448-X	
5	4	STAINLESS STEEL WORK TABLES	ADVANCE TABCO OR EQUAL	SLAG-366-X	
6	2	HOT DOG GRILL	NEMCO OR EQUAL	8036-SX	INCLUDE THE FOOD SAFETY GUARD
7	2	NACHO CHEESE DIPPER	GOLD METAL OR EQUAL	2191	
8	2	POPCORN MACHINE	GOLD METAL OR EQUAL	2152	
9	2	NACHO CHIP WARMER	HATCO OR EQUAL	FDWD-1NM	
10	2	FOOD WARMER	METRO OR EQUAL	C5E9-CFC-U	
11	2	TWO DOOR REFRIDGERATOR	TRUE OR EQUAL	T-49-HC	
12	2	TOP LOAD WASHING MACHINE	WHIRLPOOL OR EQUAL	WTW7120HC	OWNER FURNISHED, CONTRACTOR INSTALLED
13	1	FRONT LOAD DRYER	WHIRLPOOL OR EQUAL	WED6120HC	OWNER FURNISHED, CONTRACTOR INSTALLED



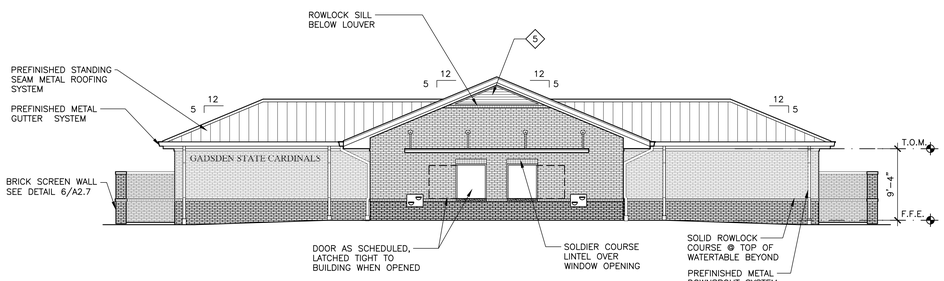
A BUILDING ELEVATION

1/8" = 1'-0"



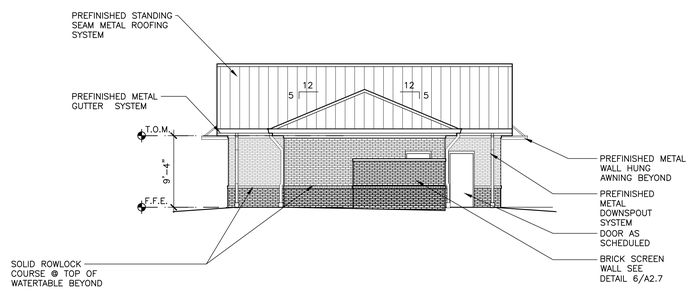
C BUILDING ELEVATION

1/8" = 1'-0"



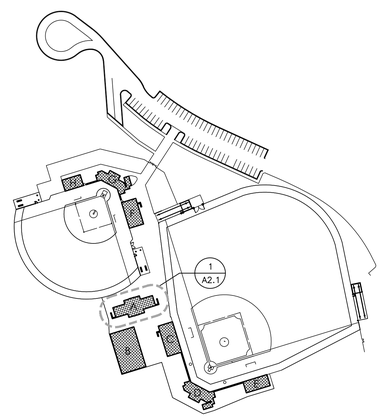
B BUILDING ELEVATION

1/8" = 1'-0"



D BUILDING ELEVATION

1/8" = 1'-0"



KEY PLAN

SCALE: NTS

LATHAN ARCHITECTS

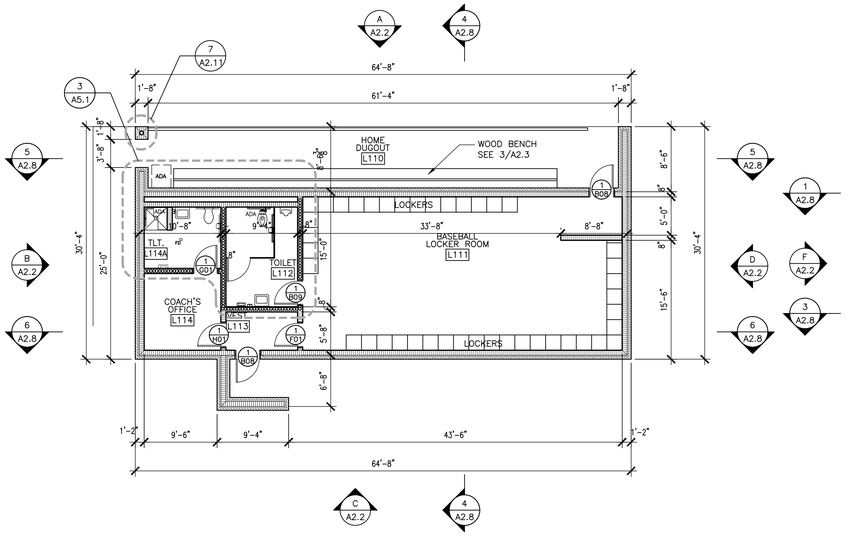
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
CONCESSIONS PLAN AND ELEVATIONS

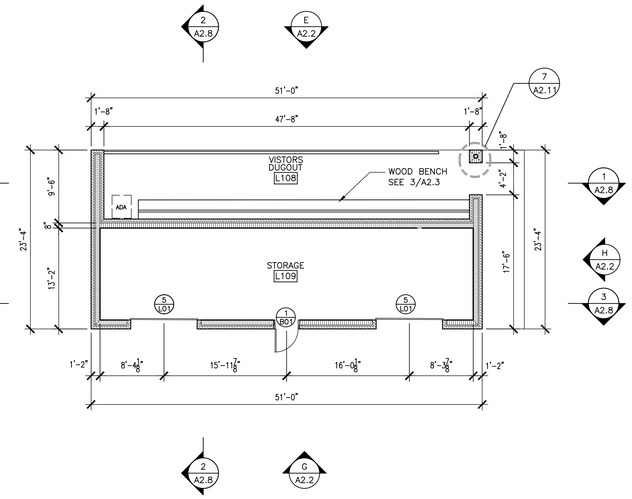
PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
A2.1
1 OF 17



1 BASEBALL HOME DUGOUT FLOOR PLAN

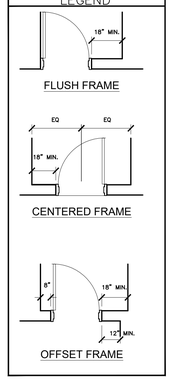
1/8" = 1'-0"



2 BASEBALL VISITOR DUGOUT FLOOR PLAN

1/8" = 1'-0"

DOOR PLACEMENT LEGEND



SYMBOLS LEGEND

A / A1.1 — ELEV. MARK / SHEET NUMBER	1C / A — DOOR TYPE / DOOR RATING / HARDWARE SYMBOL
NEW DOOR AND SWING	A1.1 — SECT. MARK / SHEET NUMBER
EWC ELECTRIC WATER COOLER	5 / A5.1 / 12 — ELEV. MARK / SHEET NUMBER / INT. ELEVATION
TB 4' TACK BOARD	A EXTERIOR WINDOW
MB MARKER BOARD	1 STOREFRONT
FEC RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	A INTERIOR WINDOW
A200 ROOM NUMBER	AREA OF CONCRETE
EJ EXPANSION JOINT	F.D. FLOOR DRAIN
FE SURFACE MOUNT FIRE EXTINGUISHER	CJ CONTROL JOINT
+ INTERIOR FLOOR ELEVATION	HR WALL MOUNTED HANDRAIL SYSTEM
T.O.M. TOP OF MASONRY	D/S DOWNSPOUT
T.O.S. TOP OF STEEL	
F.F.E. FINISH FLOOR ELEVATION	

DOOR FIRE RATING LEGEND

DOOR TYPE	(2)	NO RATING
DOOR TYPE + A	(2A)	20 MINUTE RATING
DOOR TYPE + B	(2B)	45 MINUTE RATING
DOOR TYPE + C	(2C)	60 MINUTE RATING
DOOR TYPE + D	(2D)	90 MINUTE RATING
DOOR TYPE + E	(2E)	180 MINUTE RATING

GENERAL NOTES

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- SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.
- PROVIDE BULL-NOSE AT ALL OUTSIDE CMU CORNERS
- ALL EXPOSED CMU SHALL BE PAINTED

WALL TYPE LEGEND

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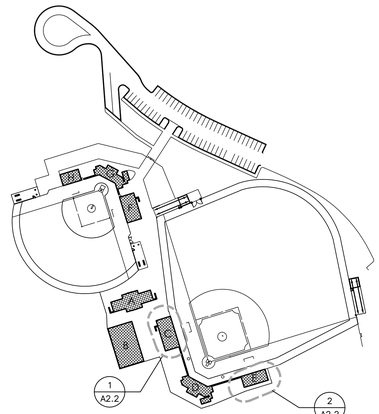
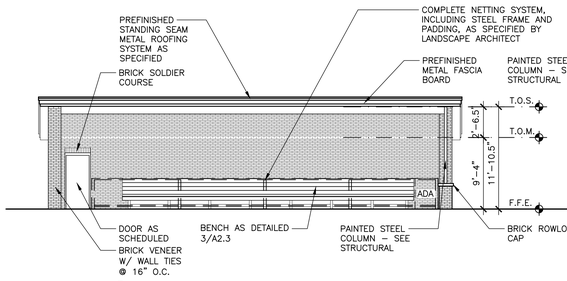
CMU WALL	PAINTED 6", 8" OR 12" CONCRETE MASONRY WALL (CMU) SEE PLAN FOR WALL WIDTH CHANGES SEE LIFE SAFETY PLAN FOR FIRE RATING
SOUND ATTENUATION PARTITION	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION



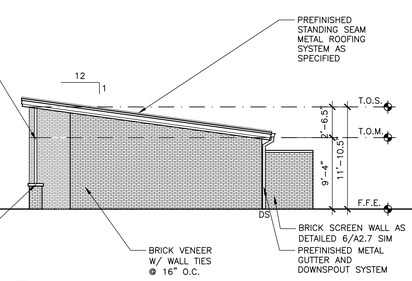
KEY PLAN

SCALE: NTS



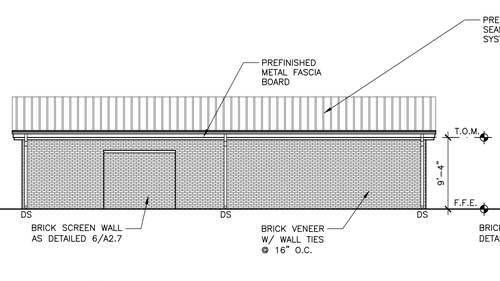
A BUILDING ELEVATION

1/8" = 1'-0"



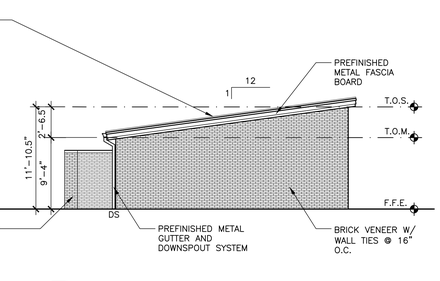
B BUILDING ELEVATION

1/8" = 1'-0"



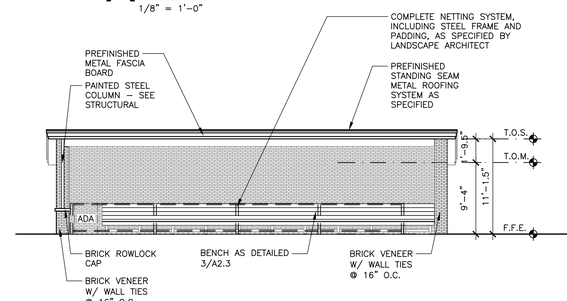
C BUILDING ELEVATION

1/8" = 1'-0"



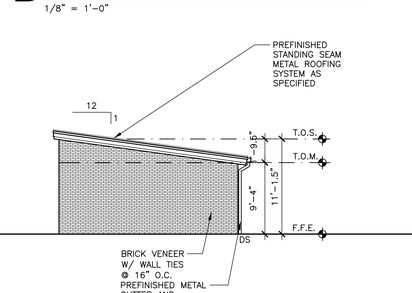
D BUILDING ELEVATION

1/8" = 1'-0"



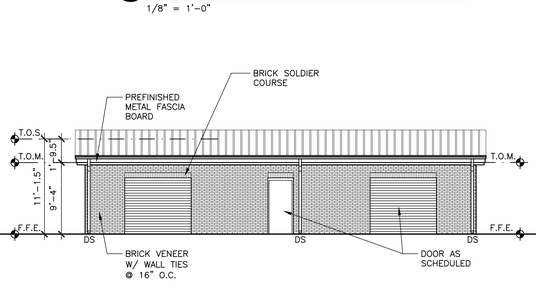
E BUILDING ELEVATION

1/8" = 1'-0"



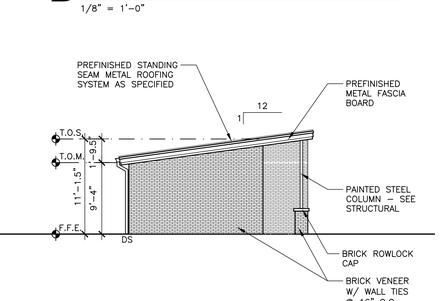
F BUILDING ELEVATION

1/8" = 1'-0"



G BUILDING ELEVATION

1/8" = 1'-0"



H BUILDING ELEVATION

1/8" = 1'-0"

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

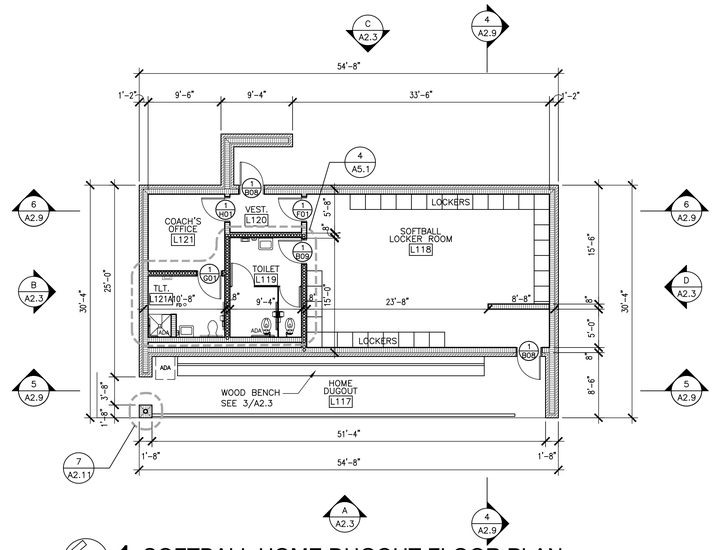
STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
BASEBALL DUGOUTS PLANS, ELEVATIONS, AND DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

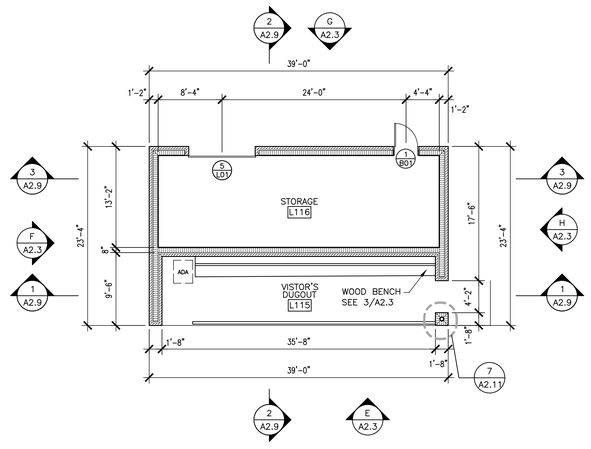
JOB NO. 23-66
SHEET NO:
A2.2
2 OF 17

0 1" 2"



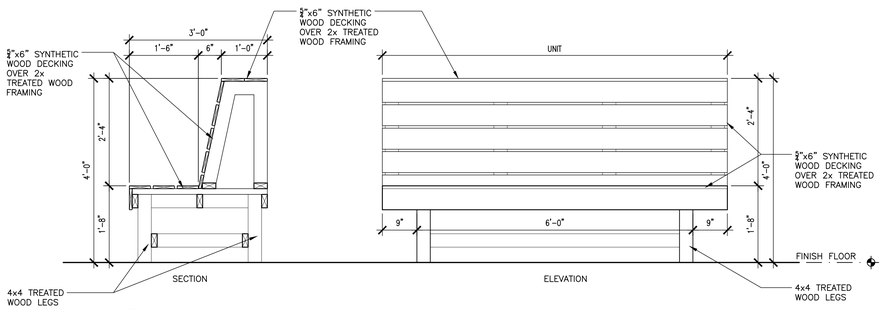
1 SOFTBALL HOME DUGOUT FLOOR PLAN

1/8" = 1'-0"



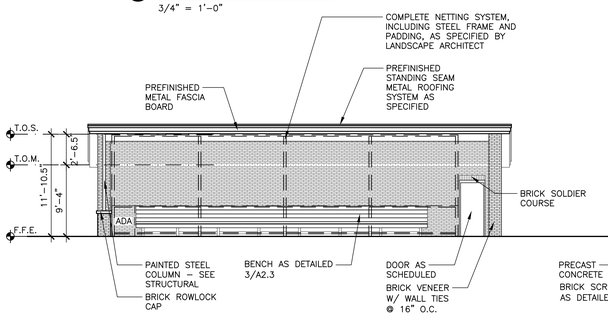
2 SOFTBALL VISITOR DUGOUT FLOOR PLAN

1/8" = 1'-0"



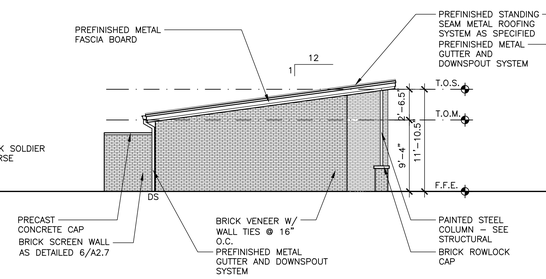
3 BENCH DETAIL

3/4" = 1'-0"



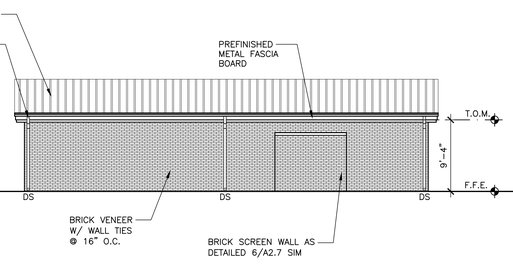
A BUILDING ELEVATION

1/8" = 1'-0"



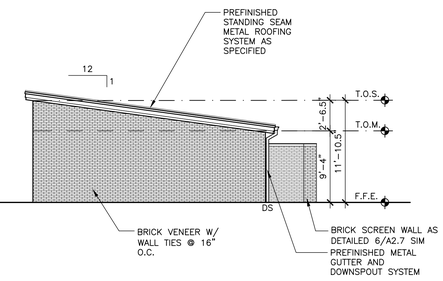
B BUILDING ELEVATION

1/8" = 1'-0"



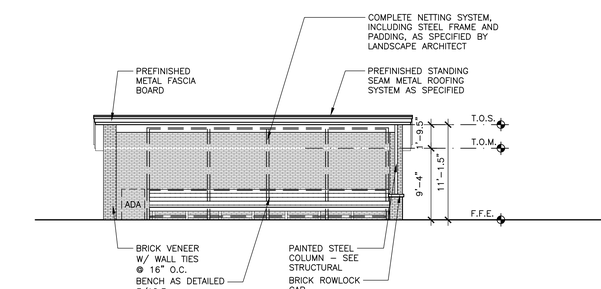
C BUILDING ELEVATION

1/8" = 1'-0"



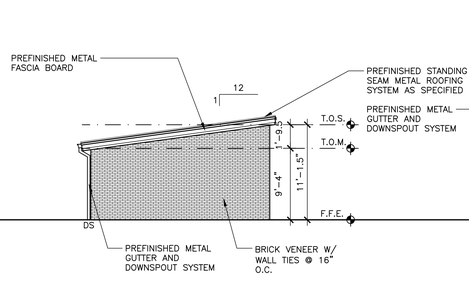
D BUILDING ELEVATION

1/8" = 1'-0"



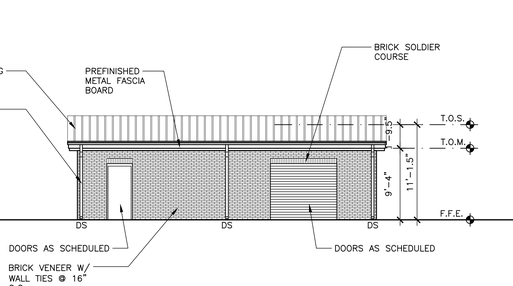
E BUILDING ELEVATION

1/8" = 1'-0"



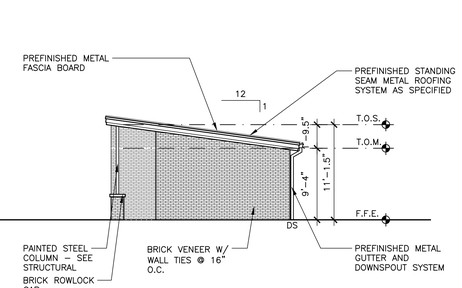
F BUILDING ELEVATION

1/8" = 1'-0"



G BUILDING ELEVATION

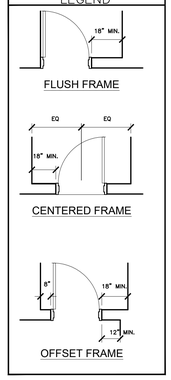
1/8" = 1'-0"



H BUILDING ELEVATION

1/8" = 1'-0"

DOOR PLACEMENT LEGEND



SYMBOLS LEGEND

A1.1 ELEV. MARK / SHEET NUMBER	1C DOOR TYPE / DOOR RATING / A HARDWARE SYMBOL
NEW DOOR AND SWING	A1.1 SECT. MARK / SHEET NUMBER
EWC ELECTRIC WATER COOLER	5 / A5.1 / 12 ELEV. MARK / SHEET NUMBER / INT. ELEVATION
TB 4' TACK BOARD	A EXTERIOR WINDOW
MB MARKER BOARD	1 STOREFRONT
RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	A INTERIOR WINDOW
A200 ROOM NUMBER	AREA OF CONCRETE
EJ EXPANSION JOINT	F.D. FLOOR DRAIN
FE SURFACE MOUNT FIRE EXTINGUISHER	CJ CONTROL JOINT
+ INTERIOR FLOOR ELEVATION	HR WALL MOUNTED HANDRAIL SYSTEM
T.O.M. TOP OF MASONRY	D/S DOWNSPOUT
T.O.S. TOP OF STEEL	
F.F.E. FINISH FLOOR ELEVATION	

DOOR FIRE RATING LEGEND

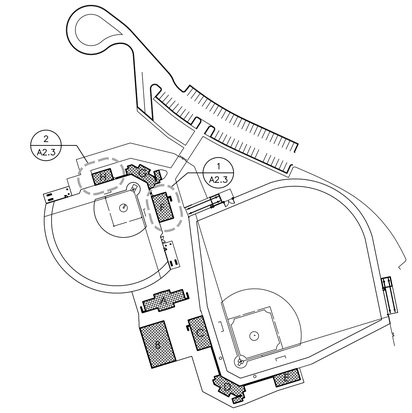
DOOR TYPE	(2)	NO RATING
DOOR TYPE + A	(2A)	20 MINUTE RATING
DOOR TYPE + B	(2B)	45 MINUTE RATING
DOOR TYPE + C	(2C)	60 MINUTE RATING
DOOR TYPE + D	(2D)	90 MINUTE RATING
DOOR TYPE + E	(2E)	180 MINUTE RATING

GENERAL NOTES

- EXTEND & KEY RATED WALLS TO BOTTOM OF ROOF DECK - SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
- SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
- ALL PLAN DIMENSIONS ARE TO FACE OF CMU WALL OR CENTERLINE OF STUD WALL UNLESS NOTED OTHERWISE
- WINDOWS ARE DIMENSIONED TO THE CENTER LINE
- SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING 1/4 : 12
- ALL DOWNSPOUTS INTERSECTING CONCRETE PADS AND/OR WALKS SHALL BE PROVIDED WITH BOOTS AND 4" DIAMETER LEADER PIPING EXTENDED AND TIED INTO STORM DRAINAGE SYSTEM
- SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.
- PROVIDE BULL-NOSE AT ALL OUTSIDE CMU CORNERS
- ALL EXPOSED CMU SHALL BE PAINTED

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND 1" RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	PAINTED 6", 8" OR 12" CONCRETE MASONRY WALL (CMU) SEE PLAN FOR WALL WIDTH CHANGES SEE LIFE SAFETY PLAN FOR FIRE RATING
SOUND ATTENUATION PARTITION	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION



KEY PLAN

SCALE: NTS

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

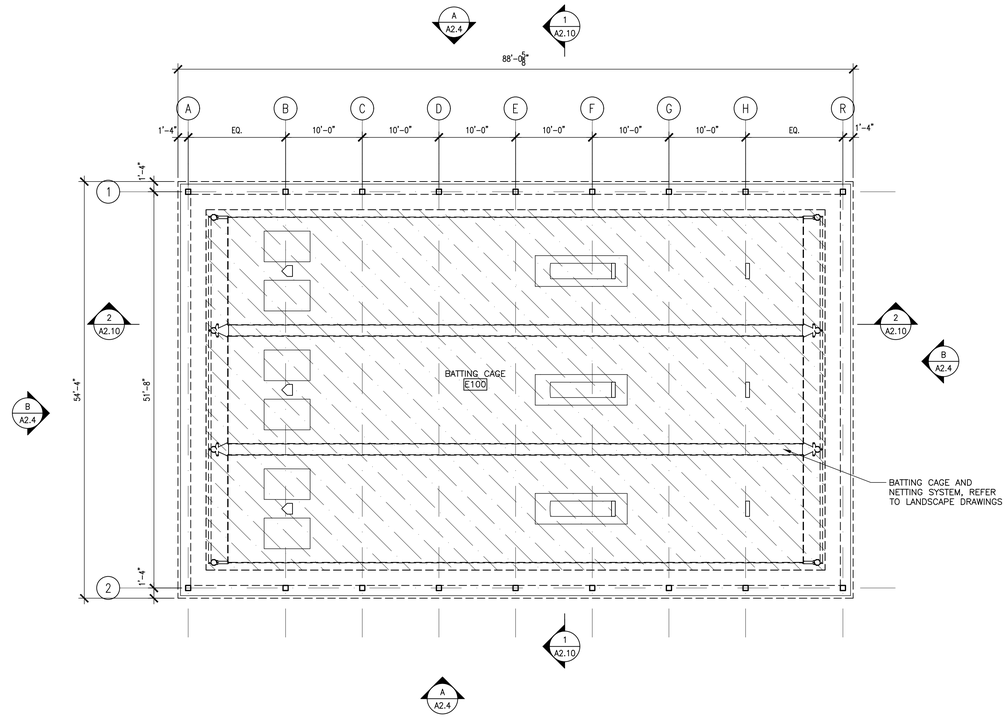
STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
SOFTBALL DUGOUTS PLANS, ELEVATIONS, AND DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

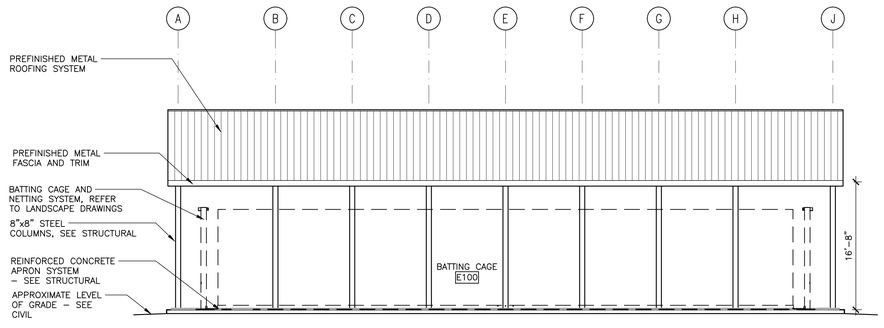
JOB NO. 23-66
SHEET NO:
A2.3
3 OF 17

0 1" 2"



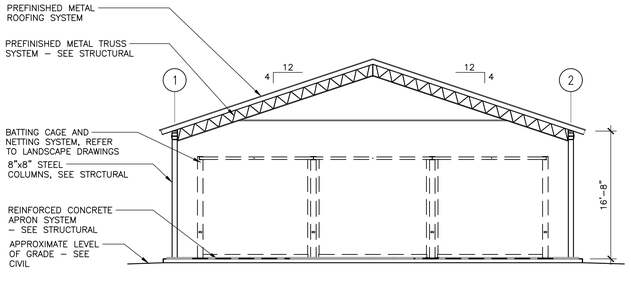
1 BASEBALL / SOFTBALL BATTING CAGE FLOOR PLAN

1/8" = 1'-0"



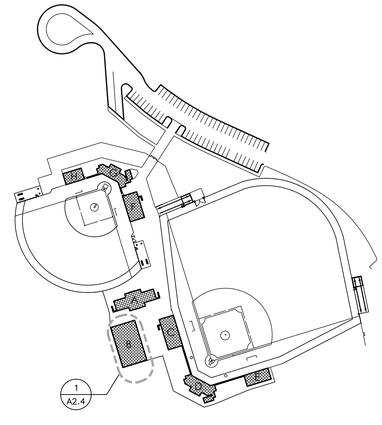
A BUILDING ELEVATION

1/8" = 1'-0"



B BUILDING ELEVATION

1/8" = 1'-0"



KEY PLAN

SCALE: NTS

SYMBOLS LEGEND

A / A1.1 — ELEV. MARK / SHEET NUMBER	1C / A — DOOR TYPE / DOOR RATING / HARDWARE SYMBOL
NEW DOOR AND SWING	1 / A1.1 — SECT. MARK / SHEET NUMBER
EWC ELECTRIC WATER COOLER	5 / A5.1 / 12 — ELEV. MARK / SHEET NUMBER / INT. ELEVATION
TB 4' TACK BOARD	A EXTERIOR WINDOW
MB MARKER BOARD	1 STOREFRONT
FEC RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	A INTERIOR WINDOW
A200 ROOM NUMBER	AREA OF CONCRETE
EJ EXPANSION JOINT	F.D. FLOOR DRAIN
FE SURFACE MOUNT FIRE EXTINGUISHER	CJ CONTROL JOINT
+ INTERIOR FLOOR ELEVATION	HR WALL MOUNTED HANDRAIL SYSTEM
T.O.M. TOP OF MASONRY	D/S DOWNSPOUT
T.O.S. TOP OF STEEL	
F.F.E. FINISH FLOOR ELEVATION	

DOOR FIRE RATING LEGEND

DOOR TYPE (2)	NO RATING
DOOR TYPE + A (2A)	20 MINUTE RATING
DOOR TYPE + B (2B)	45 MINUTE RATING
DOOR TYPE + C (2C)	60 MINUTE RATING
DOOR TYPE + D (2D)	90 MINUTE RATING
DOOR TYPE + E (2E)	180 MINUTE RATING

GENERAL NOTES

- EXTEND & KEY RATED WALLS TO BOTTOM OF ROOF DECK - SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
- SEE CIVIL DRAWINGS FOR CONTINUATION OF SIDEWALKS
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- WINDOWS ARE DIMENSIONED TO THE CENTER LINE
- SLOPE ALL SIDEWALKS AWAY FROM THE BUILDING 1/4 : 12
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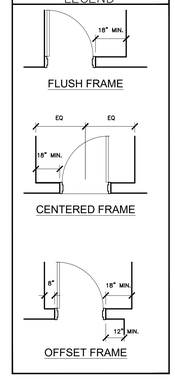
- SLOPE FINISH FLOOR TO FLOOR DRAINS. SEE PLUMBING FOR LOCATIONS OF FLOOR DRAINS.
- PROVIDE BULL-NOSE AT ALL OUTSIDE CMU CORNERS
- ALL EXPOSED CMU SHALL BE PAINTED

WALL TYPE LEGEND

EXTERIOR WALL	NEW 4" BRICK VENEER W/ AIR SPACE AND 1" RIGID INSULATION ON REINFORCED CMU WITH DAMPPROOFING, PROVIDE BRICK WALL TIES @ 16" O.C.
CMU WALL	PAINTED 6", 8" OR 12" CONCRETE MASONRY WALL (CMU) SEE PLAN FOR WALL WIDTH CHANGES SEE LIFE SAFETY PLAN FOR FIRE RATING
SOUND ATTENUATION PARTITION	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION

DOOR PLACEMENT LEGEND



LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

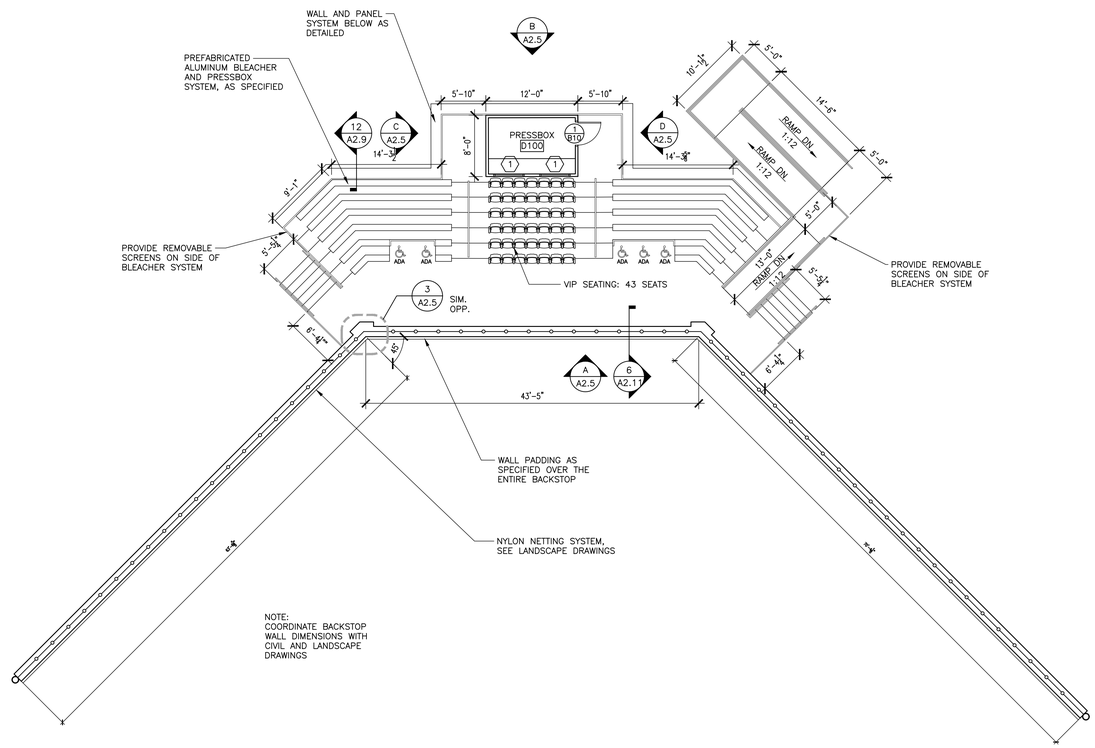
STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
BATTING CAGES PLANS AND ELEVATIONS

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

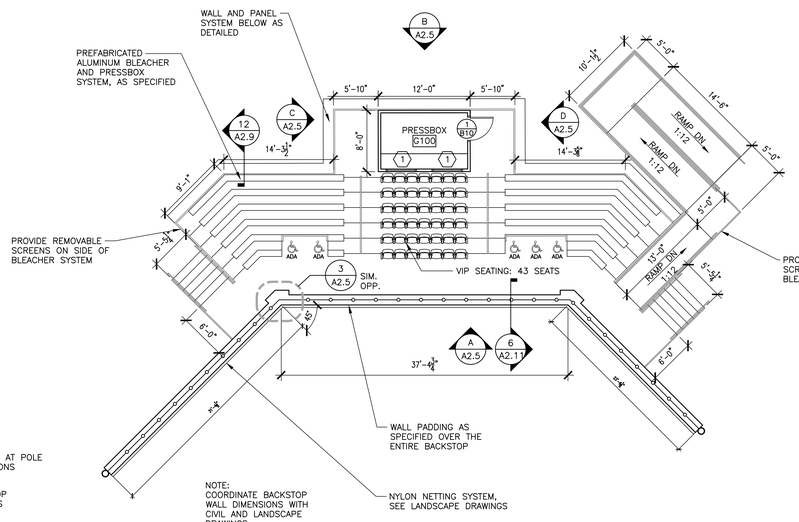
JOB NO. 23-66
SHEET NO:
A2.4
4 OF 17

0 1" 2"



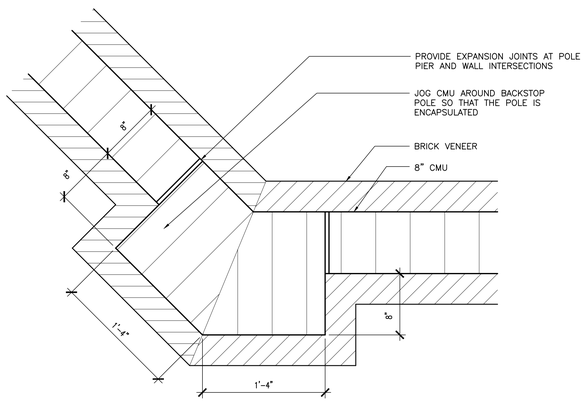
1 BASEBALL BLEACHERS / PRESS BOX FLOOR PLAN

1/8" = 1'-0"



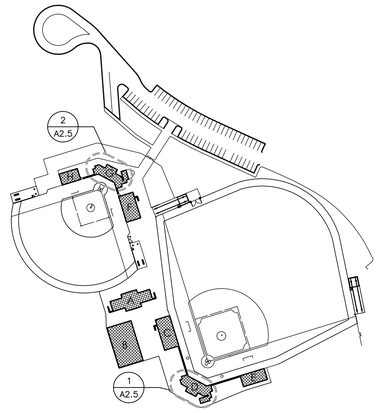
2 SOFTBALL BLEACHERS / PRESS BOX FLOOR PLAN

1/8" = 1'-0"



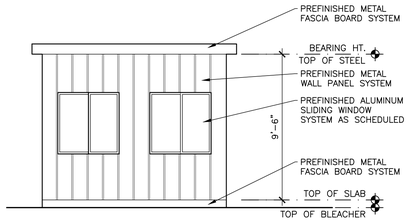
3 BACKSTOP DETAIL

1 1/2" = 1'-0"



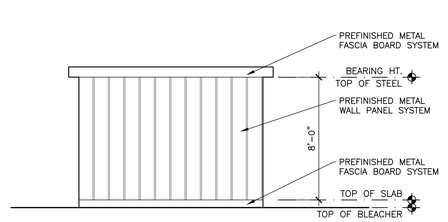
KEY PLAN

SCALE: NTS



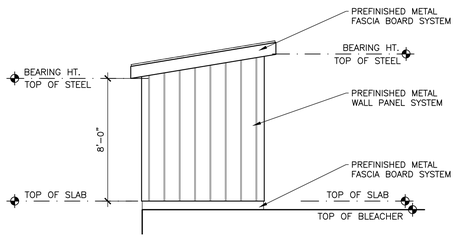
A PRESSBOX ELEVATION

1/8" = 1'-0"



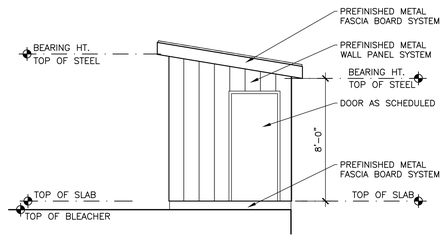
B PRESSBOX ELEVATION

1/8" = 1'-0"



C PRESSBOX ELEVATION

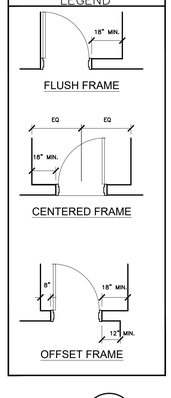
1/8" = 1'-0"



D PRESSBOX ELEVATION

1/8" = 1'-0"

DOOR PLACEMENT LEGEND



SYMBOLS LEGEND

A1.1 ELEV. MARK / SHEET NUMBER	1C DOOR TYPE / A DOOR RATING / HARDWARE SYMBOL
NEW DOOR AND SWING	A1.1 SECT. MARK / SHEET NUMBER
EWC ELECTRIC WATER COOLER	5 / A5.1 / 12 ELEV. MARK / SHEET NUMBER / INT. ELEVATION
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MB MARKER BOARD	1 STOREFRONT
FEC RECESSED FIRE EXTINGUISHER CABINET WITH EXTINGUISHER	A INTERIOR WINDOW
A200 ROOM NUMBER	AREA OF CONCRETE
EJ EXPANSION JOINT	F.D. FLOOR DRAIN
FE SURFACE MOUNT FIRE EXTINGUISHER	CJ CONTROL JOINT
+ INTERIOR FLOOR ELEVATION	HR WALL MOUNTED HANDRAIL SYSTEM
T.O.M. TOP OF MASONRY	D/S DOWNSPOUT
T.O.S. TOP OF STEEL	
F.F.E. FINISH FLOOR ELEVATION	

DOOR FIRE RATING LEGEND

DOOR TYPE	(2)	NO RATING
DOOR TYPE + A	(2A)	20 MINUTE RATING
DOOR TYPE + B	(2B)	45 MINUTE RATING
DOOR TYPE + C	(2C)	60 MINUTE RATING
DOOR TYPE + D	(2D)	90 MINUTE RATING
DOOR TYPE + E	(2E)	180 MINUTE RATING

GENERAL NOTES

- EXTEND & KEY RATED WALLS TO BOTTOM OF ROOF DECK - SEE LIFE SAFETY DRAWINGS FOR RATED WALL LOCATIONS.
- COORDINATE W/ ELECTRICAL & MECHANICAL AND PROVIDE CONCRETE EQUIPMENT PAD AS REQUIRED
- SEE ELEVATIONS AND ROOF PLAN FOR DOWNSPOUT LOCATIONS
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WALL TYPE LEGEND

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CMU WALL	PAINTED 6", 8" OR 12" CONCRETE MASONRY WALL (CMU) SEE PLAN FOR WALL WIDTH CHANGES SEE LIFE SAFETY PLAN FOR FIRE RATING
SOUND ATTENUATION PARTITION	8" OR 12" CONCRETE MASONRY WALL WITH SOUND ATTENUATION

LATHAN ARCHITECTS

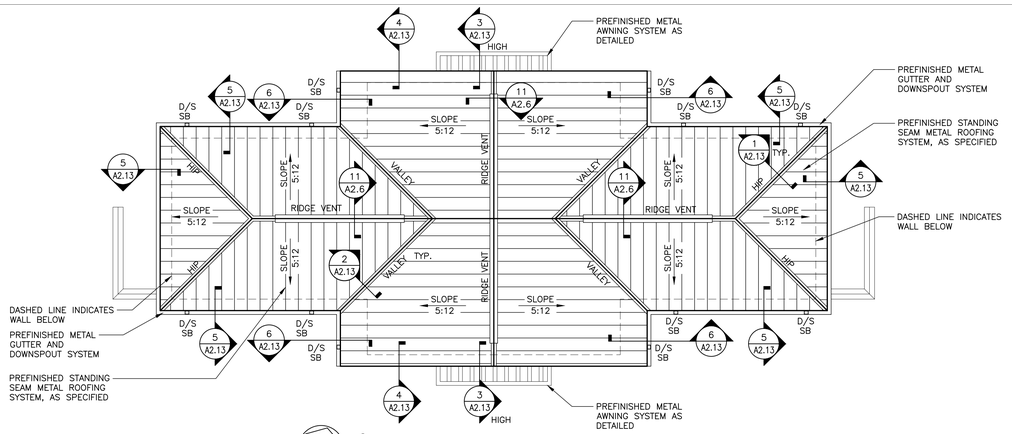
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
BLEACHERS / PRESS BOX PLANS, ELEVATIONS AND DETAILS

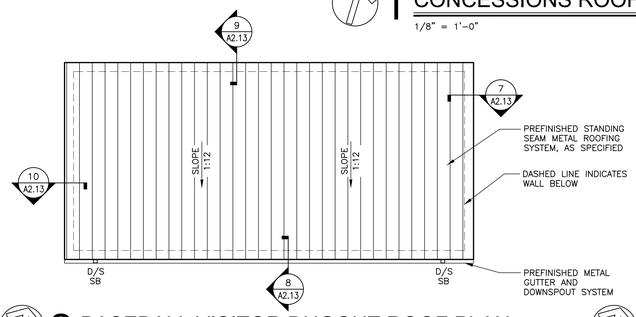
PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
A2.5
5 OF 17



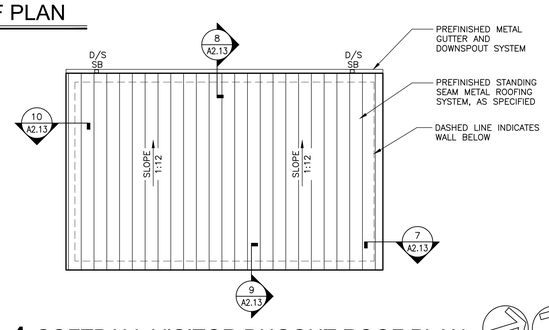
1 CONCESSIONS ROOF PLAN

1/8" = 1'-0"



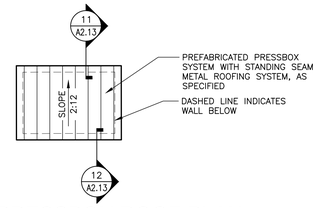
2 BASEBALL VISITOR DUGOUT ROOF PLAN

1/8" = 1'-0"



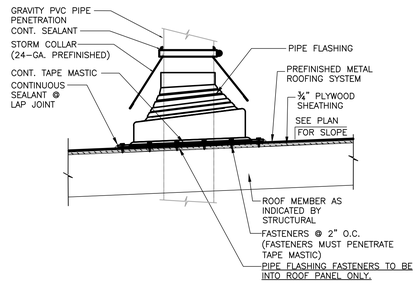
4 SOFTBALL VISITOR DUGOUT ROOF PLAN

1/8" = 1'-0"



8 PRESSBOX ROOF PLAN

1/8" = 1'-0"



9 PIPE PENETRATION DETAIL

SCALE: 1 1/2" = 1'-0"

ROOF LEGEND

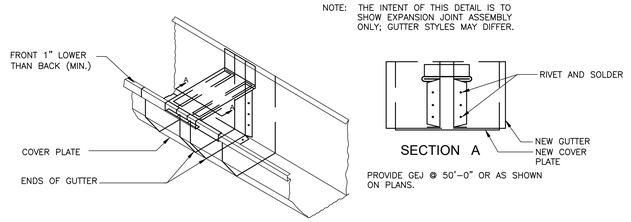
DETAIL NUMBER / SHEET NUMBER — ROOF DETAIL MARKER	DIRECTION OF DOWNWARD SLOPE (1A12) / RISE:RUN — ROOF SLOPE MARKER
	PREFINISHED STANDING SEAM METAL ROOF

DS	DOWNSPOUT	N.I.C.	NOT IN CONTRACT
VS	VENT STACK	SB	SPLASH BLOCK/PAN
PP	PIPE PENETRATION	TYP	TYPICAL
G	GUTTER		

PREFINISHED STANDING SEAM METAL ROOFING SCOPE OF WORK

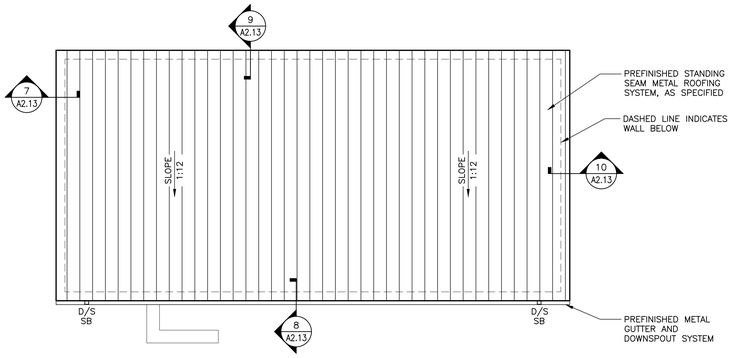
1. PROVIDE PIPE PENETRATION AND MECHANICAL PENETRATION ABOVE FIELD OF ROOF AS REQUIRED.
3. PROVIDE ICE AND WATER SHIELD IN ALL VALLEYS, PERIMETERS, ALONG PARAPET WALLS, AND PENETRATIONS REGARDLESS OF SLOPE AS INDICATED.
4. PROVIDE UNDERLAYMENT AND STANDING SEAM METAL ROOFING SYSTEM AS SPECIFIED. INSTALLED IN ACCORDANCE WITH SPECIFICATIONS AND MANUFACTURER'S RECOMMENDATIONS.
5. PROVIDE ALL PREFINISHED SHEET METAL FLASHING COMPONENTS INCLUDING, COPING CAPS, LEAD FLASHING, FASCIA, TRIM, REGLETS, FLASHINGS, ETC. THROUGHOUT ENTIRE PROJECT.
6. PROVIDE FLASHINGS CONSTRUCTED OF BREAK METAL.
7. PROVIDE ALL GUTTER, DOWNSPOUT, SPLASH PANS, SPLASH BLOCKS, ETC. SEALED OUTLET TUBES REQUIRED AT ALL DOWNSPOUTS LOCATIONS.
8. PROVIDE PREFINISHED METAL VENTED SOFFIT SYSTEM AS SPECIFIED.

NOTE: THE INTENT OF THIS DETAIL IS TO SHOW EXPANSION JOINT ASSEMBLY ONLY; GUTTER STYLES MAY DIFFER.



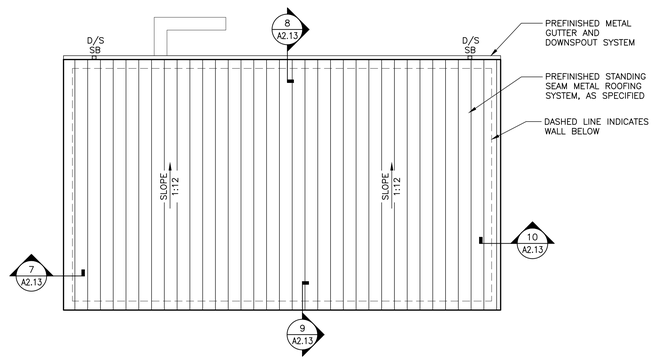
10 GUTTER EXPANSION JOINT DETAIL

SCALE: 3" = 1'-0"



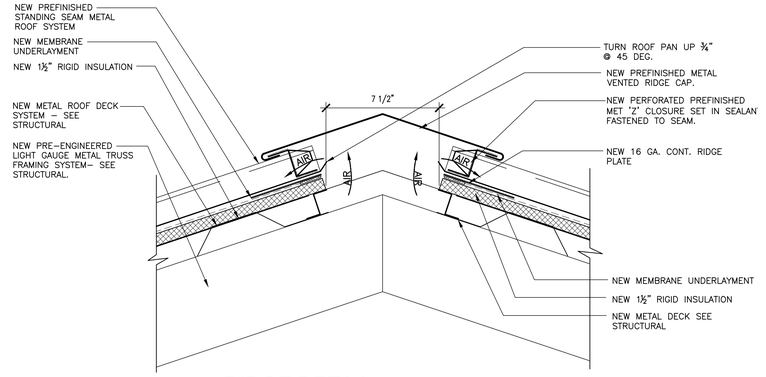
3 BASEBALL HOME DUGOUT ROOF PLAN

1/8" = 1'-0"



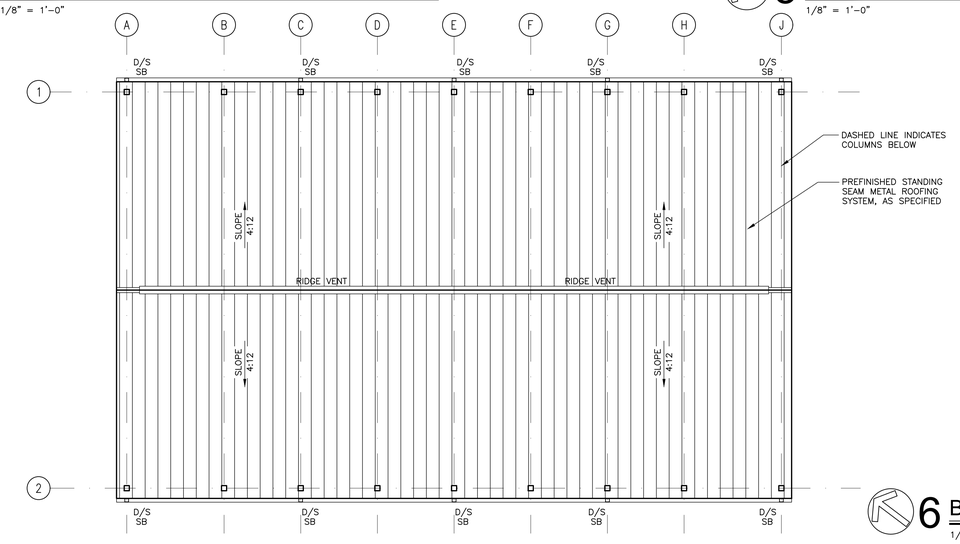
5 SOFTBALL HOME DUGOUT ROOF PLAN

1/8" = 1'-0"



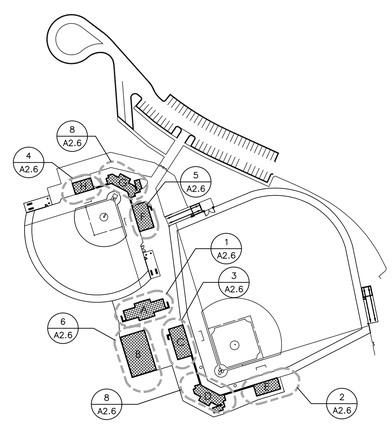
11 RIDGE DETAIL

SCALE: 3" = 1'-0"



6 BASEBALL / SOFTBALL BATTING CAGE ROOF PLAN

1/8" = 1'-0"



KEY PLAN

SCALE: NTS

LATHAN ARCHITECTS

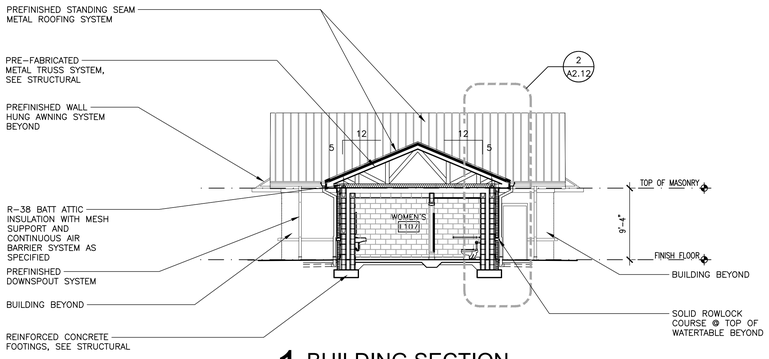
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
BASEBALL / SOFTBALL ROOF PLANS AND DETAILS

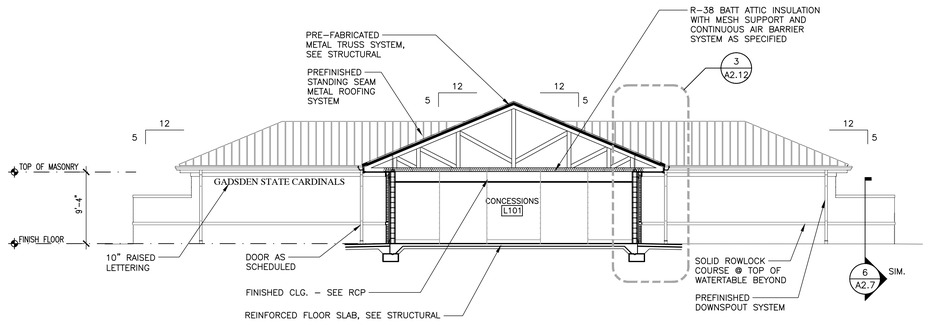
PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
A2.6
6 OF 17



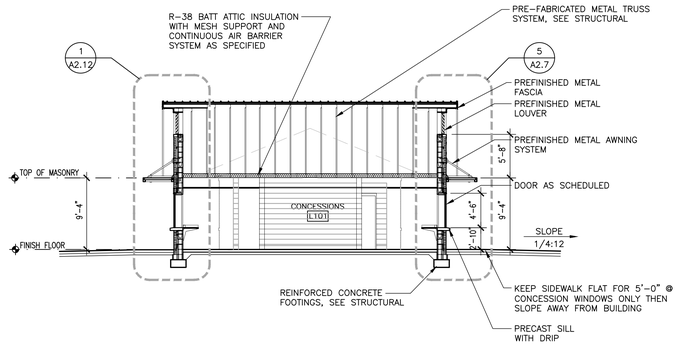
1 BUILDING SECTION

1/8" = 1'-0"



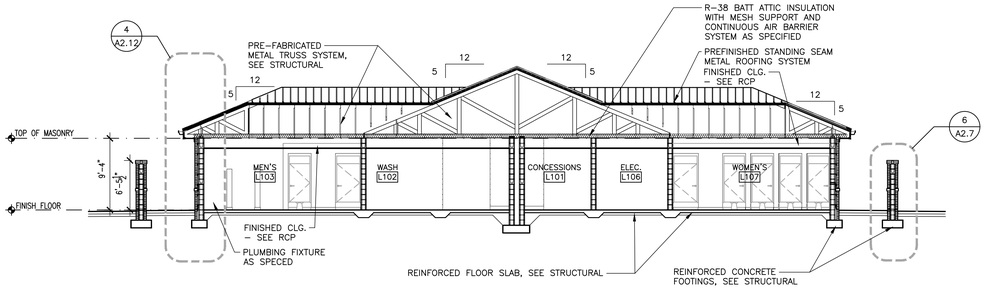
2 BUILDING SECTION

1/8" = 1'-0"



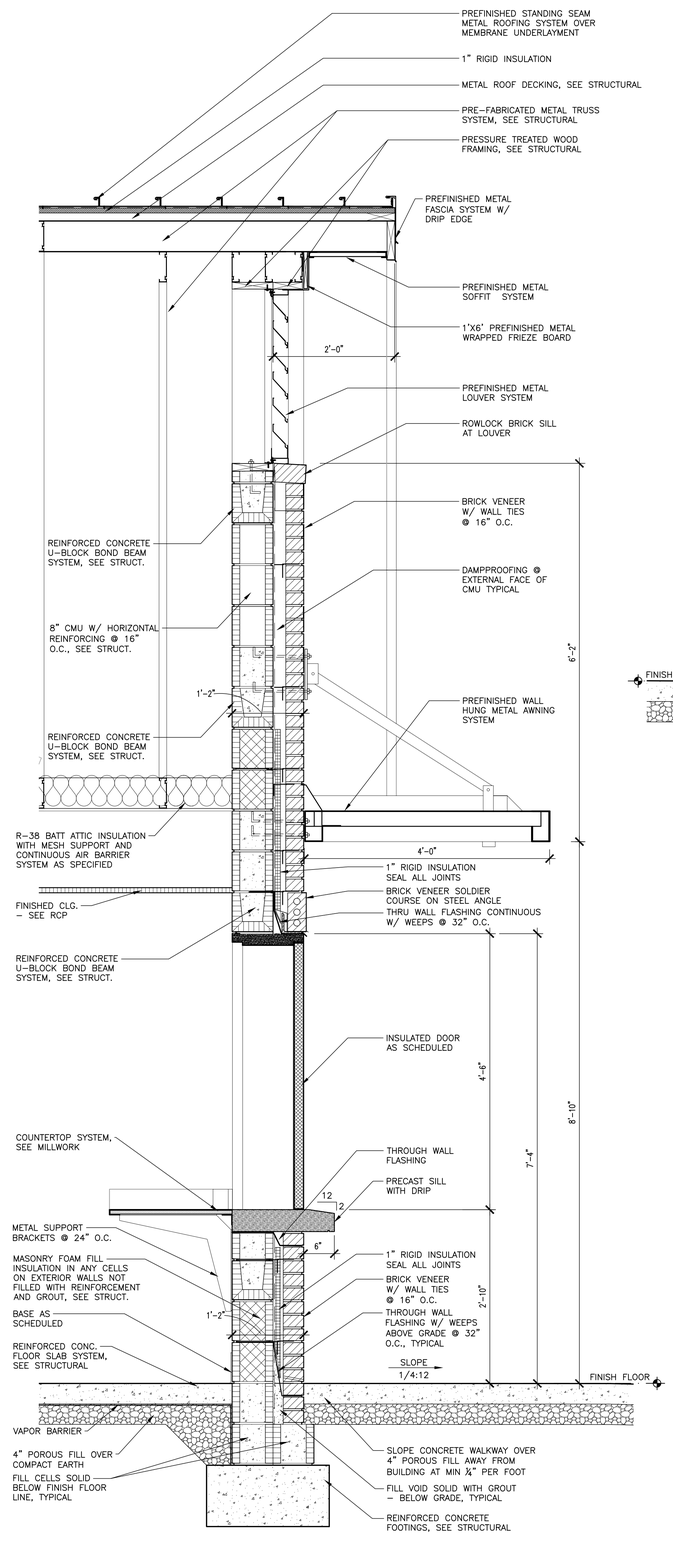
3 BUILDING SECTION

1/8" = 1'-0"



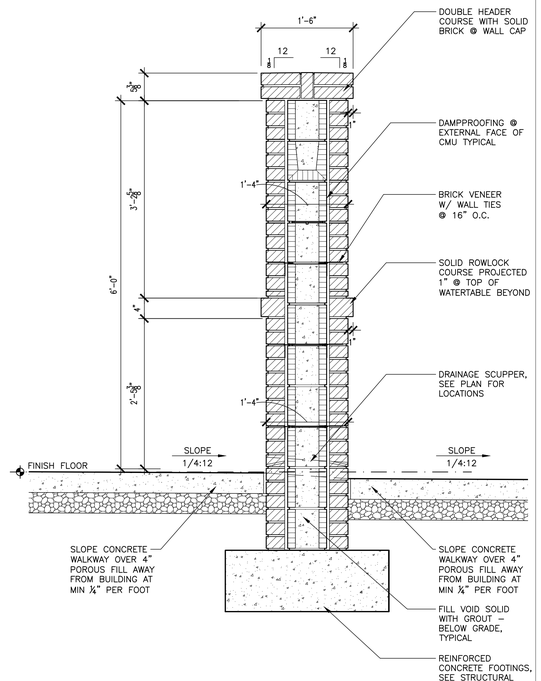
4 BUILDING SECTION

1/8" = 1'-0"



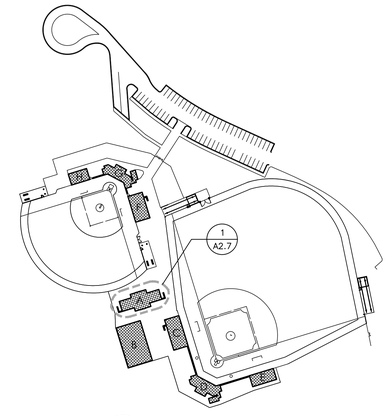
5 WALL SECTION

1" = 1'-0"



6 WALL SECTION

1" = 1'-0"



KEY PLAN

SCALE: NTS

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

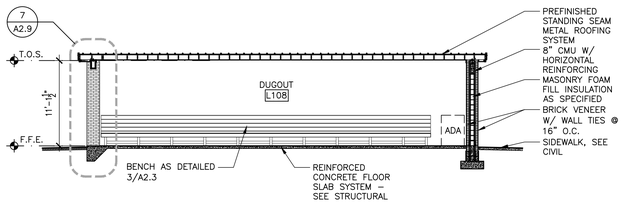
STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
CONCESSIONS BUILDING SECTIONS, WALL SECTIONS AND DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

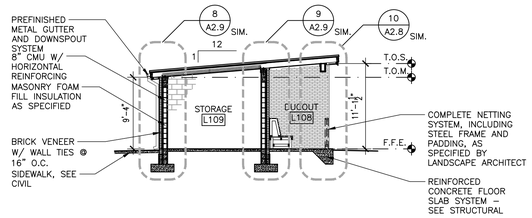
JOB NO. 23-66
SHEET NO:
A2.7
7 OF 17

0 1" 2"



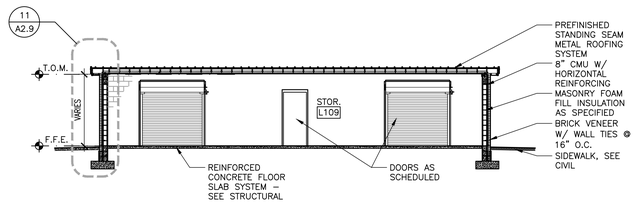
1 BASEBALL VISITOR DUGOUT BUILDING SECTION

1/8" = 1'-0"



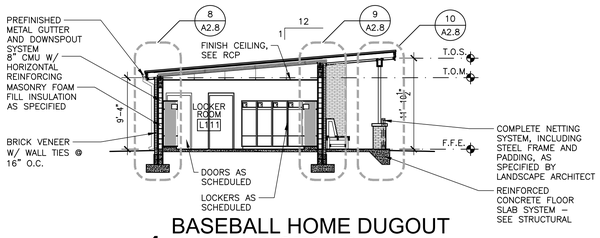
2 BASEBALL VISITOR DUGOUT BUILDING SECTION

1/8" = 1'-0"



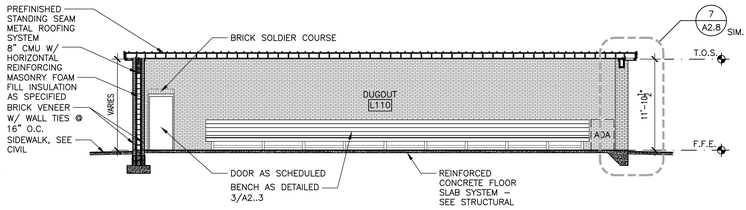
3 BASEBALL VISITOR DUGOUT BUILDING SECTION

1/8" = 1'-0"



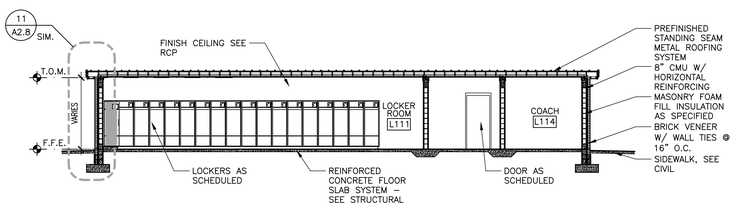
4 BASEBALL HOME DUGOUT BUILDING SECTION

1/8" = 1'-0"



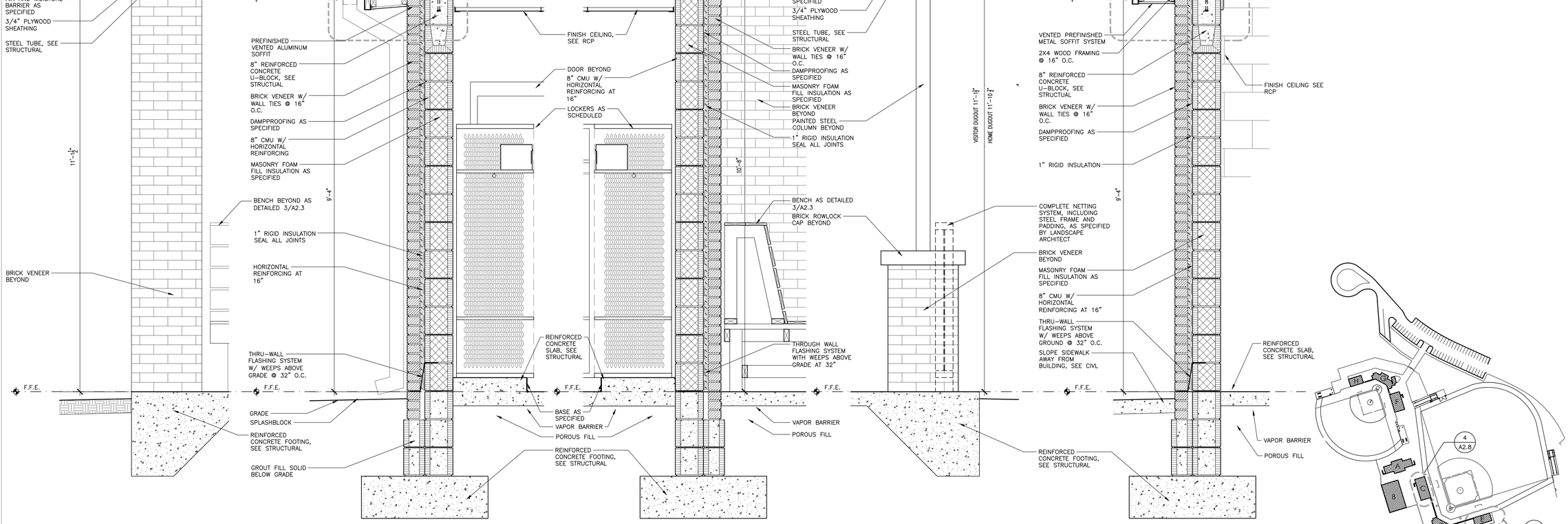
5 BASEBALL HOME DUGOUT BUILDING SECTION

1/8" = 1'-0"



6 BASEBALL HOME DUGOUT BUILDING SECTION

1/8" = 1'-0"



7 BASEBALL/SOFTBALL HOME DUGOUT WALL SECTION

1" = 1'-0"

8 BASEBALL/SOFTBALL HOME DUGOUT WALL SECTION

1" = 1'-0"

9 BASEBALL/SOFTBALL HOME DUGOUT WALL SECTION

1" = 1'-0"

10 BASEBALL HOME/VISITOR DUGOUT WALL SECTION

1" = 1'-0"

11 BASEBALL/SOFTBALL HOME DUGOUT WALL SECTION

1" = 1'-0"

KEY PLAN

SCALE: NTS

LATHAN ARCHITECTS

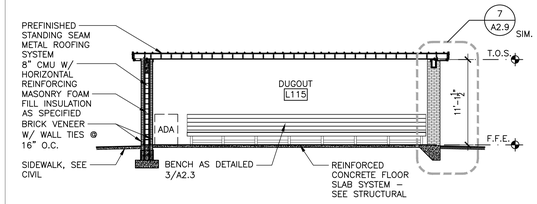
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
BASEBALL DUGOUTS BUILDING SECTIONS, WALL SECTIONS AND DETAILS

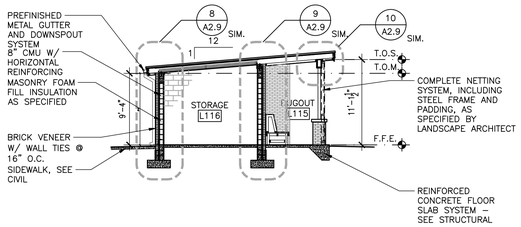
PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
A2.8
8 OF 17



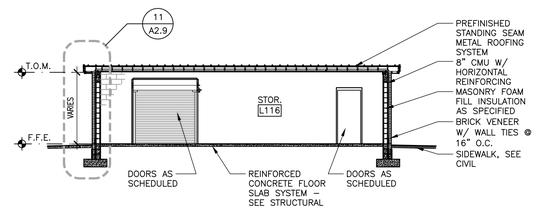
1 SOFTBALL VISITOR DUGOUT BUILDING SECTION

1/8" = 1'-0"



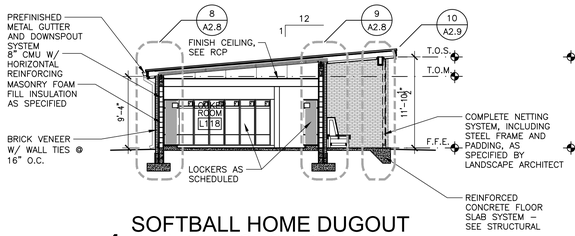
2 SOFTBALL VISITOR DUGOUT BUILDING SECTION

1/8" = 1'-0"



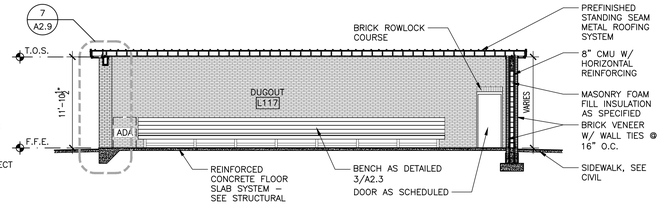
3 SOFTBALL VISITOR DUGOUT BUILDING SECTION

1/8" = 1'-0"



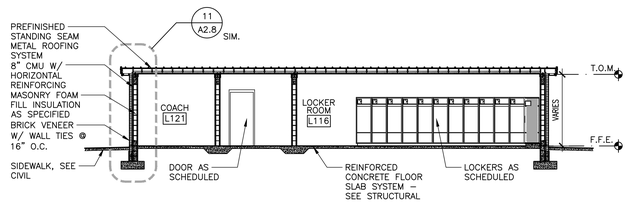
4 SOFTBALL HOME DUGOUT BUILDING SECTION

1/8" = 1'-0"



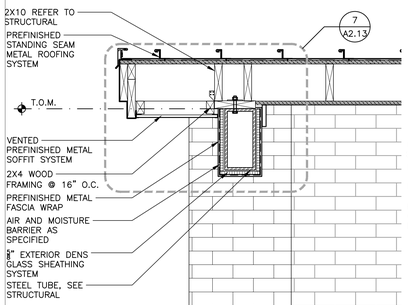
5 SOFTBALL HOME DUGOUT BUILDING SECTION

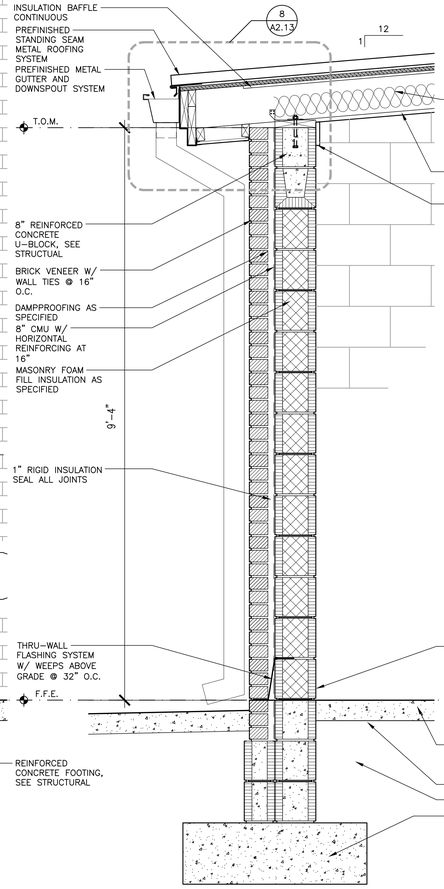
1/8" = 1'-0"

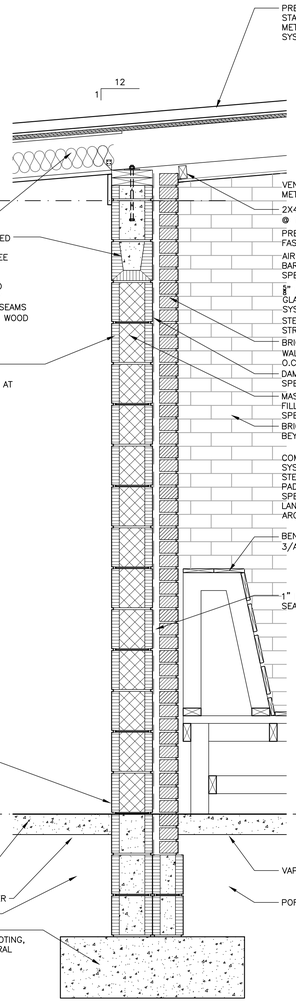


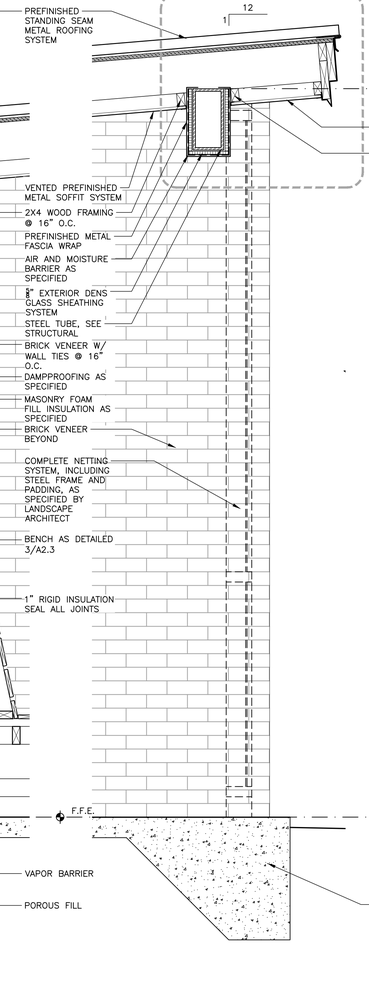
6 SOFTBALL HOME DUGOUT BUILDING SECTION

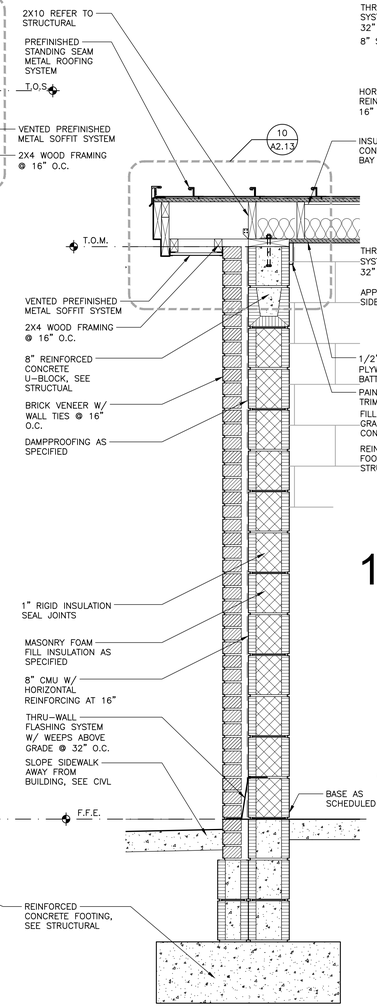
1/8" = 1'-0"

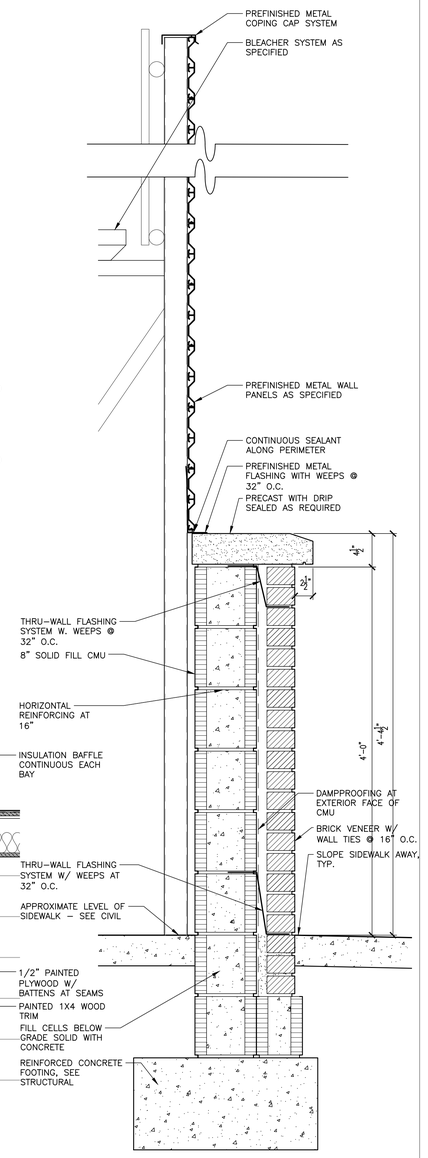












12 BLEACHER BRICK WALL SECTION

1-1/2" = 1'-0"

7 BASEBALL/SOFTBALL VISITOR DUGOUT BUILDING SECTION

1" = 1'-0"

8 BASEBALL/SOFTBALL VISITOR DUGOUT BUILDING SECTION

1" = 1'-0"

9 BASEBALL/SOFTBALL VISITOR DUGOUT BUILDING SECTION

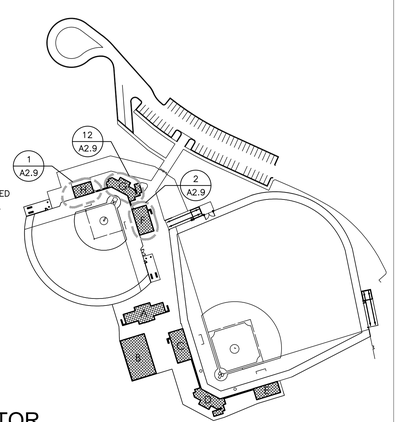
1" = 1'-0"

10 SOFTBALL HOME/VISITOR DUGOUT BUILDING SECTION

1" = 1'-0"

11 BASEBALL/SOFTBALL VISITOR DUGOUT BUILDING SECTION

1" = 1'-0"



KEY PLAN

SCALE: NTS

LATHAN ARCHITECTS

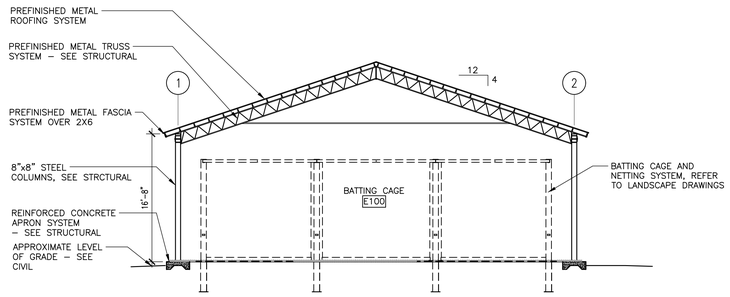
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
SOFTBALL DUGOUTS BUILDING SECTIONS, WALL SECTIONS AND DETAILS

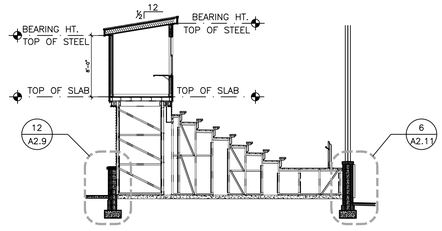
PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
A2.9
9 OF 17



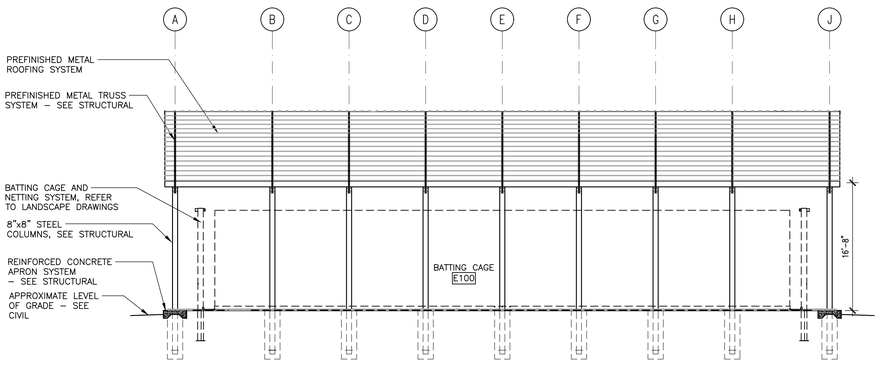
1 BASEBALL BATTING CAGE BUILDING SECTION

1/8" = 1'-0"



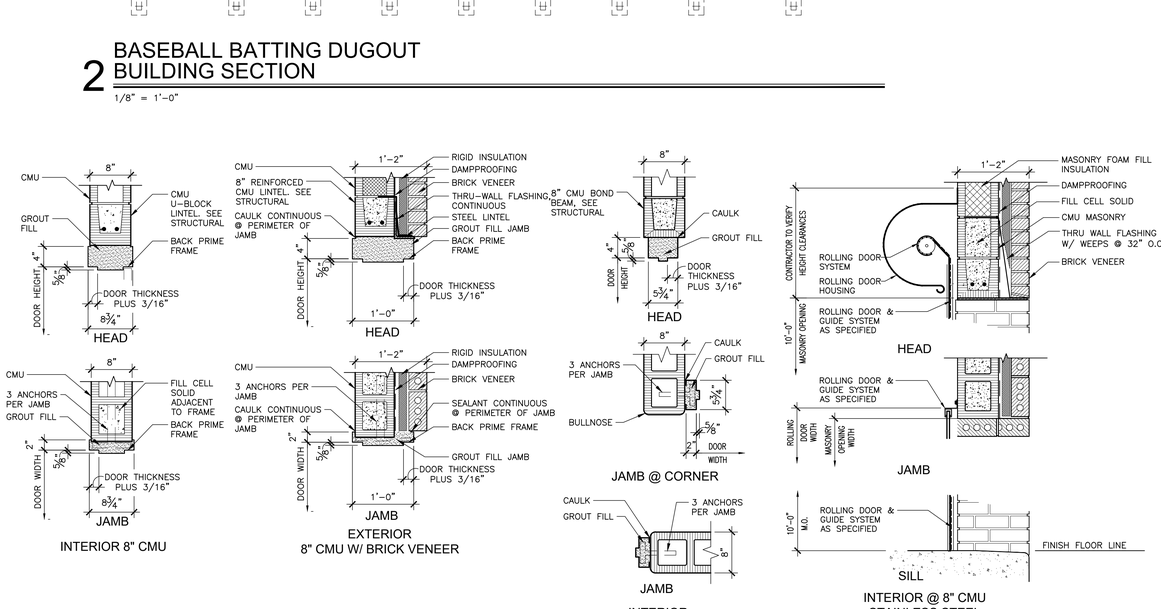
3 BASEBALL/SOFTBALL BLEACHER AND BUILDING SECTION

1/8" = 1'-0"



2 BASEBALL BATTING DUGOUT BUILDING SECTION

1/8" = 1'-0"

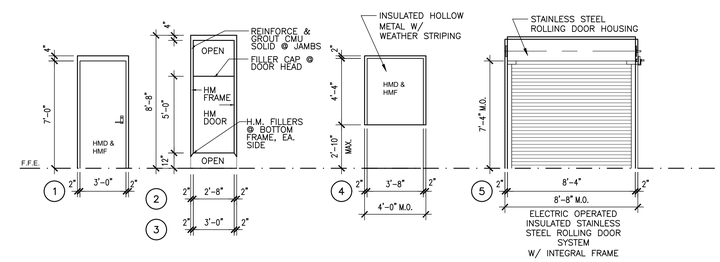


6 HOLLOW METAL FRAME DETAILS

1" = 1'-0"

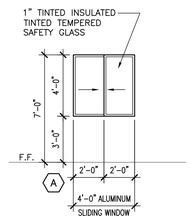
7 PRESS BOX DOOR FRAME DETAILS

1" = 1'-0"



4 DOOR SCHEDULE

1/4" = 1'-0"



DOOR AND WINDOW LEGEND	
HMD	HOLLOW METAL DOOR
HMF	HOLLOW METAL FRAME
MHO	MANUAL HOLD OPEN

5 WINDOW SCHEDULE

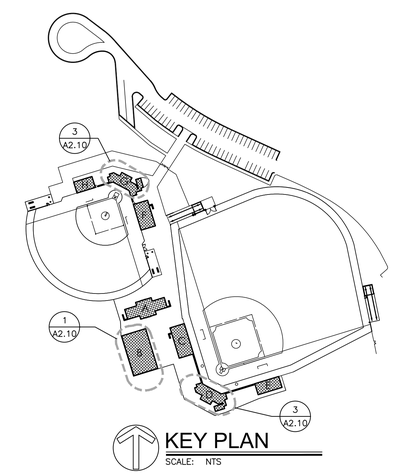
1/4" = 1'-0"

STRUCTURAL NOTES

1. ALL WOOD MUST BE MINIMUM #2 GRADE SOUTHERN YELLOW PINE
2. CONCRETE SHALL BE 3500 PSI AIR ENTRAINED CONCRETE @ 28 DAYS
3. GRADE 60 REINFORCING BARS

GENERAL NOTES

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS PRIOR TO BIDDING.
2. DO NOT SCALE DRAWINGS - FIELD VERIFY ALL DIMENSIONS AND CONDITIONS.
3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL CONTACT APPROPRIATE UTILITY AGENCIES 48 HOURS PRIOR TO EXCAVATION TO LOCATE UTILITIES IN AREAS OF WORK. CONTRACTOR SHALL REPORT ANY DEVIATIONS FROM THE PLANS TO THE ATTENTION OF THE OWNER AND ARCHITECT.
4. ALL MATERIALS SHALL BE NEW EXCEPT WHERE NOTED OTHERWISE.
5. ASSUME THE ADJACENT BUILDINGS WILL BE OCCUPIED AND MUST BE MAINTAINED OPERATIONAL; MAINTAIN TRAFFIC FLOW AND AVOID DISRUPTIONS TO THE OCCUPANTS DURING THE WORK.
6. DO NOT IMPAIR SCHOOL OPERATIONS WITH CONSTRUCTION; AVOID DELIVERIES DURING TIMES OF HEAVY TRAFFIC; MAINTAIN UTILITIES OPERATIONAL/ COORDINATE ANY PLANNED OUTAGES, DO NOT BLOCK EXITS, ETC.
7. PROTECT EXISTING LANDSCAPE TO REMAIN. ANY DAMAGE DONE TO THE LANDSCAPING, IRRIGATION, OR SOD DURING WORK SHALL BE RETURNED TO ORIGINAL CONDITION AT THE COMPLETION OF THE PROJECT.
8. REMOVE AND LEGALLY DISPOSE OF ALL CONSTRUCTION DEBRIS DAILY.
9. PROVIDE CLEAN-UP AND CORRECT ANY DAMAGES TO EXISTING GROUNDS.



KEY PLAN

SCALE: NTS

LATHAN ARCHITECTS

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GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
BATTING CAGES AND BLEACHERS BUILDING SECTIONS AND DETAILS, DOOR AND WINDOW SCHEDULES AND DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
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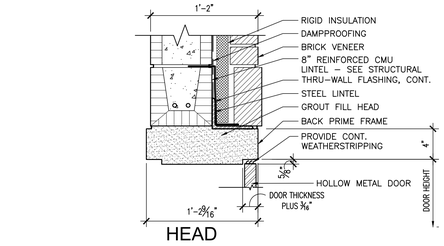
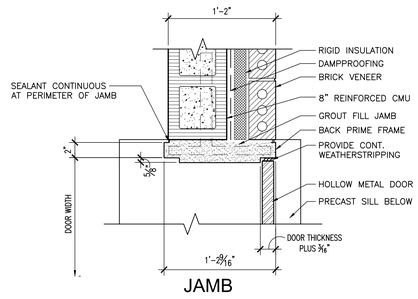
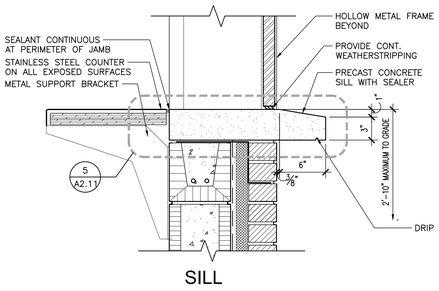
A2.10
10 OF 17



HEAD



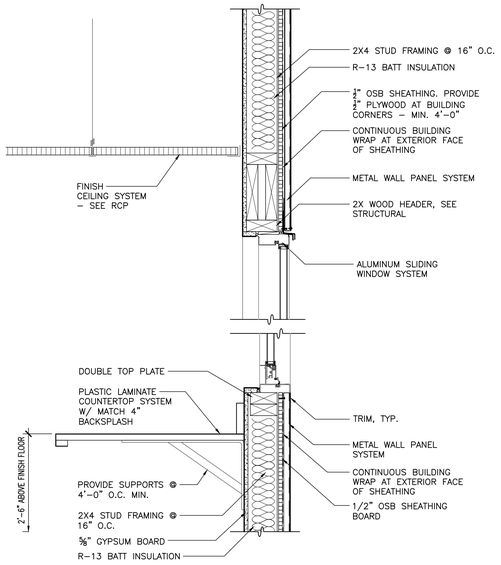
JAMB



SILL

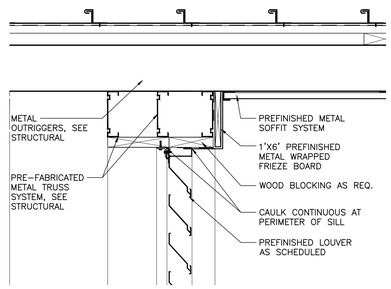
1 CONCESSION WINDOW DETAILS

1 1/2" = 1'-0"



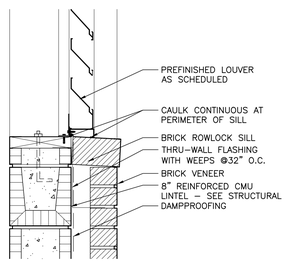
2 PRESS BOX WINDOW DETAILS

1 1/2" = 1'-0"



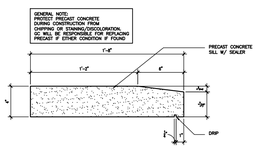
3 DETAIL @HEAD

1 1/2" = 1'-0"



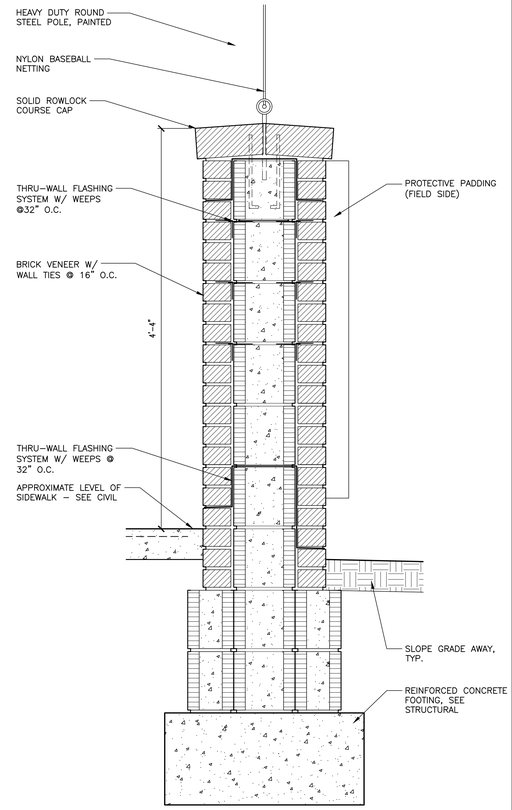
4 DETAIL @SILL

1 1/2" = 1'-0"



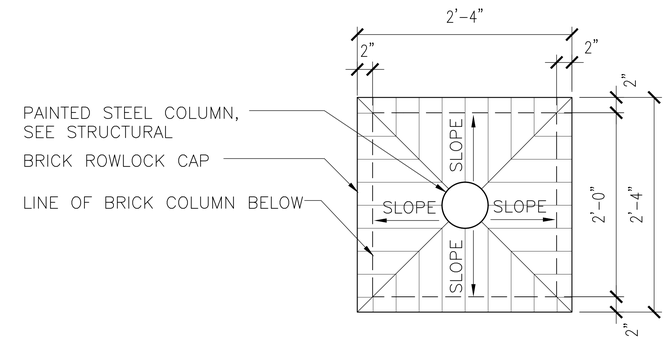
5 PRECAST DETAIL

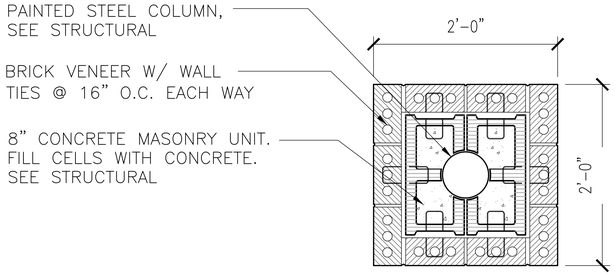
1 1/2" = 1'-0"



6 BACKSTOP WALL DETAILS

1 1/2" = 1'-0"





7 DUGOUT COLUMN DETAILS

1 1/2" = 1'-0"

LATHAN ARCHITECTS

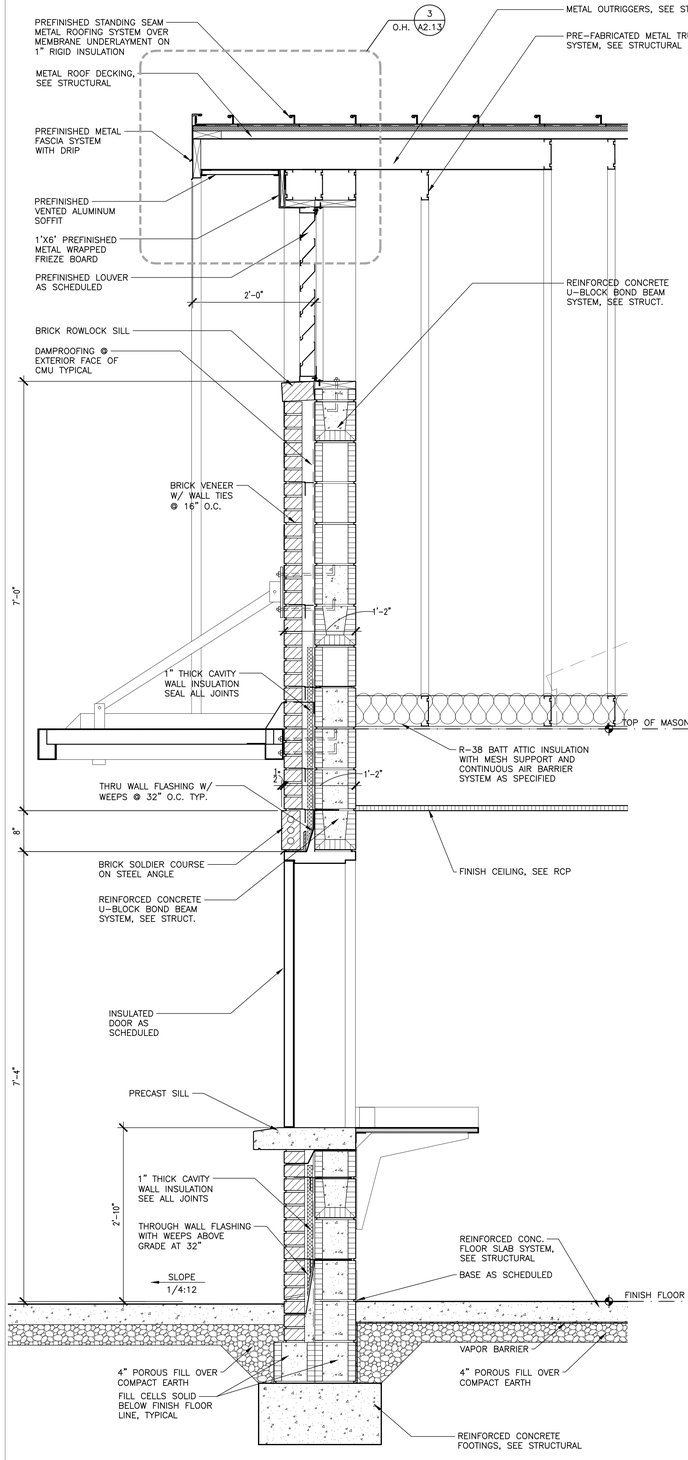
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

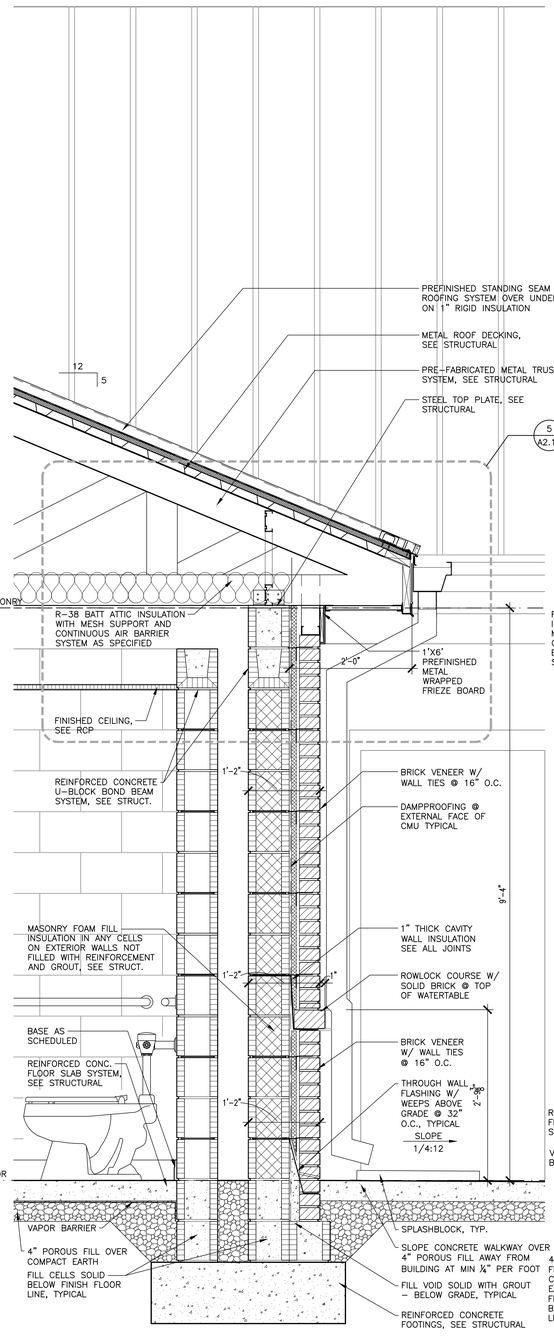
SHEET TITLE:
DOOR AND WINDOW DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

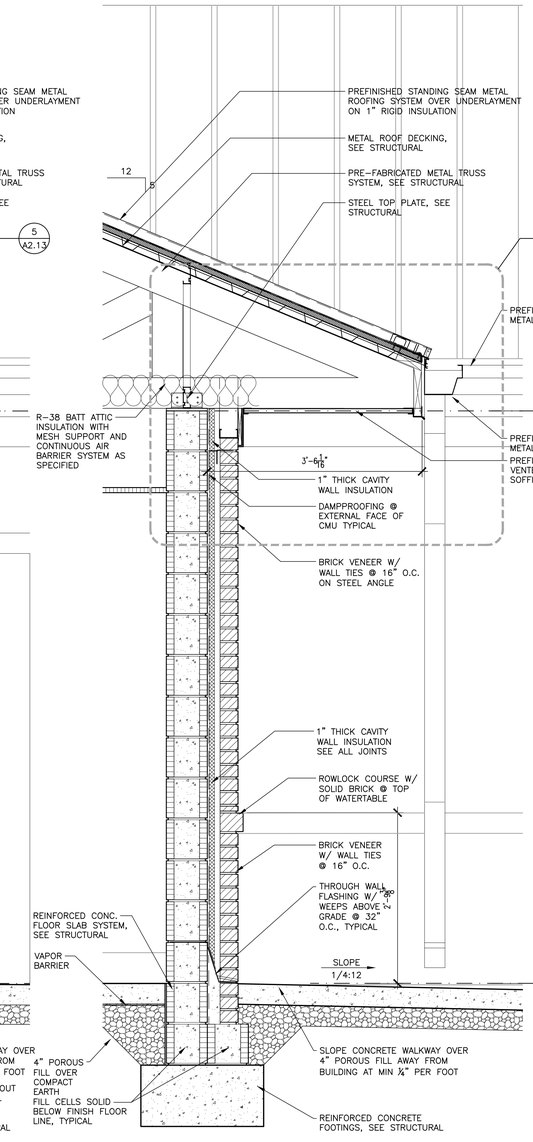
JOB NO. 23-66
SHEET NO:
A2.11
11 OF 17



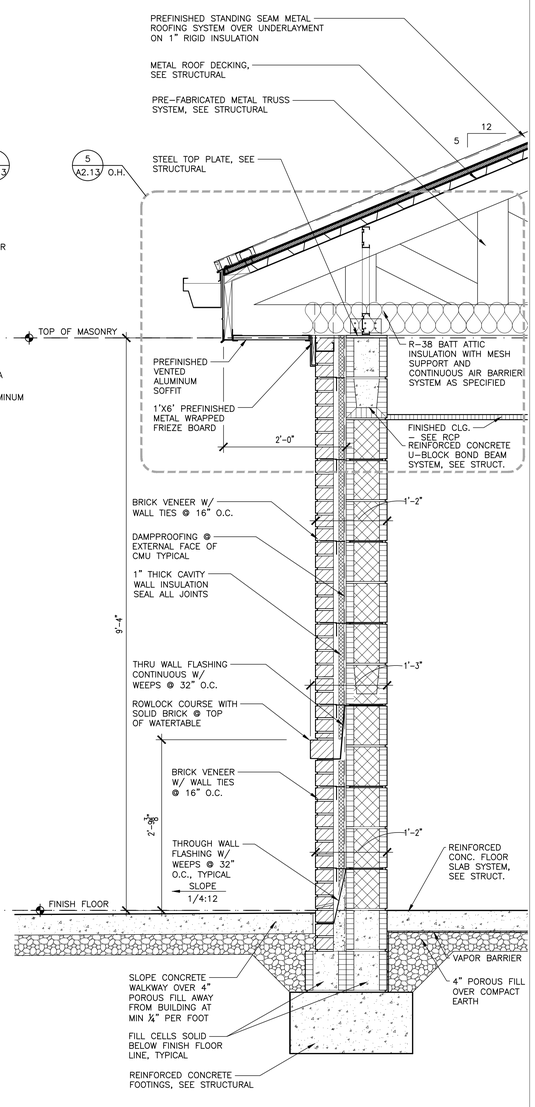
1 WALL SECTION
1" = 1'-0"



2 WALL SECTION
1" = 1'-0"



3 WALL SECTION
1" = 1'-0"



4 WALL SECTION
1" = 1'-0"

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

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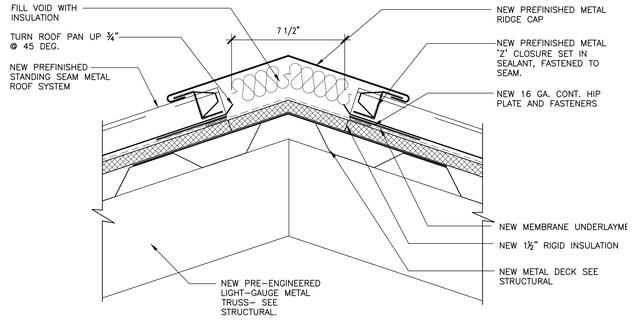
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

SHEET TITLE:
WALL SECTIONS

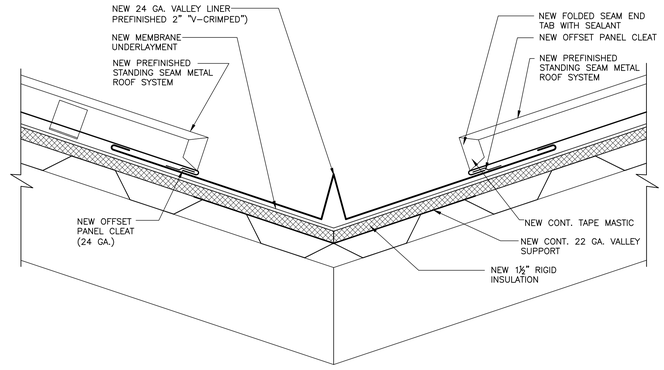
PROJ. MGR.: R. LATHAN
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
A2.12
12 OF 17
0 1" 2"



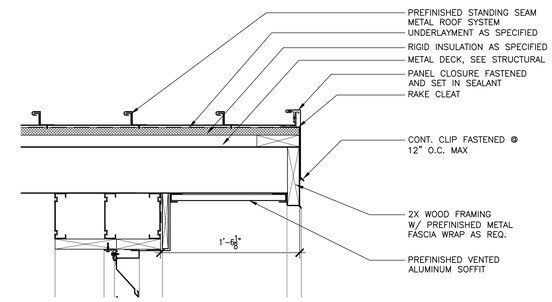
1 HIP DETAIL

3" = 1'-0"



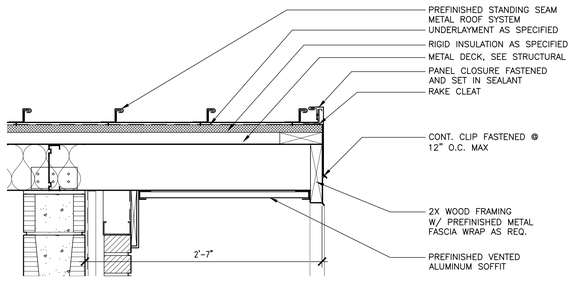
2 VALLEY DETAIL

3" = 1'-0"



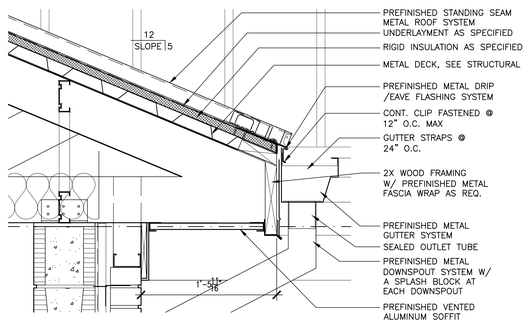
3 CONCESSION STAND ROOF DETAIL

1 1/2" = 1'-0"



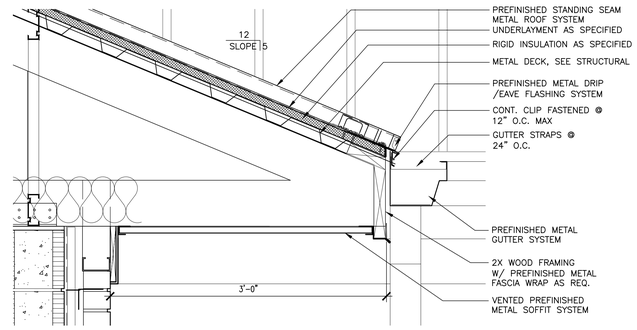
4 CONCESSION STAND ROOF DETAIL

1 1/2" = 1'-0"



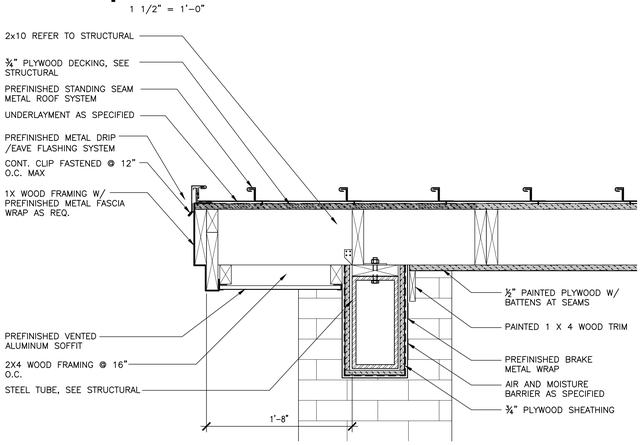
5 CONCESSION STAND ROOF DETAIL

1 1/2" = 1'-0"



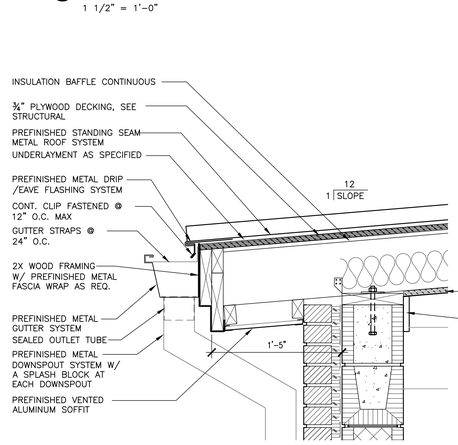
6 CONCESSION STAND ROOF DETAIL

1 1/2" = 1'-0"



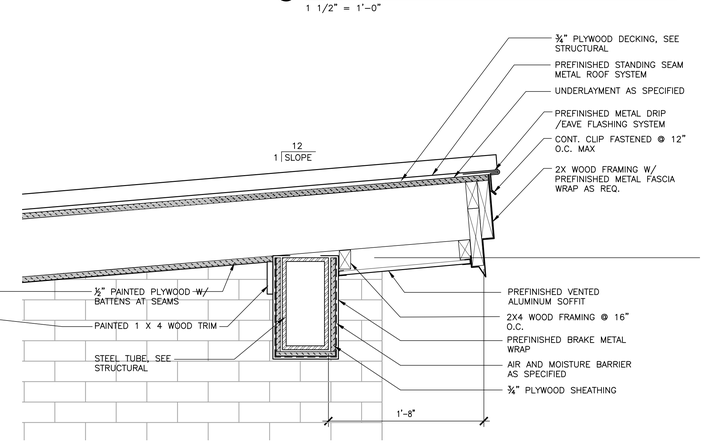
7 DUGOUT ROOF DETAIL

1 1/2" = 1'-0"



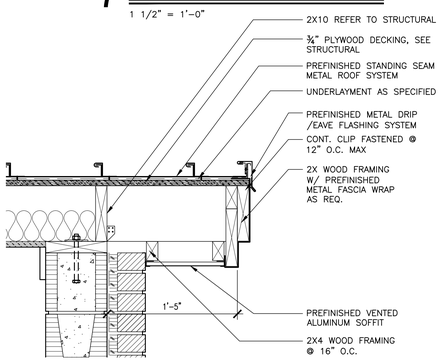
8 DUGOUT ROOF DETAIL

1 1/2" = 1'-0"



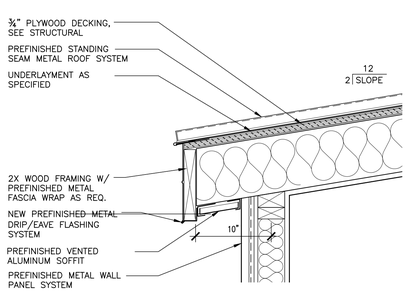
9 DUGOUT ROOF DETAIL

1 1/2" = 1'-0"



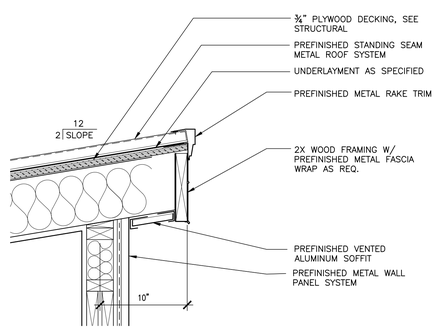
10 DUGOUT ROOF DETAIL

1 1/2" = 1'-0"



11 PRESSBOX ROOF DETAIL

1 1/2" = 1'-0"



12 PRESSBOX ROOF DETAIL

1 1/2" = 1'-0"

LATHAN ARCHITECTS

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RICK N. LATHAN
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SHEET TITLE:
ROOF DETAILS

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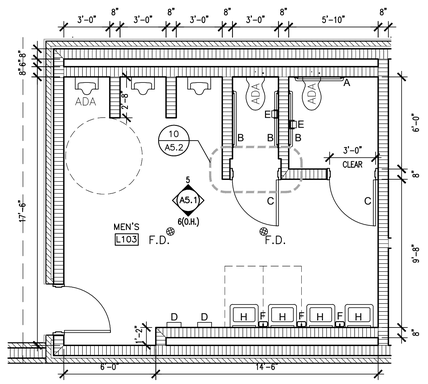
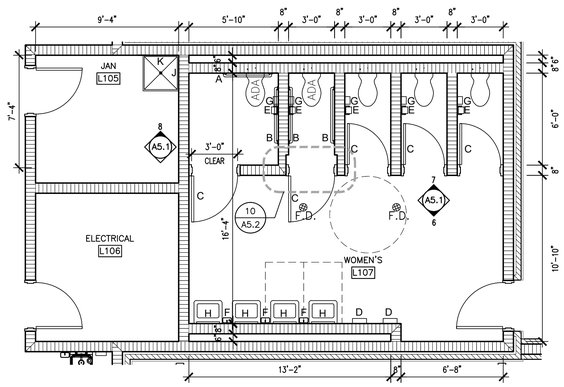
DRAWN: TSS
DATE: OCTOBER 24, 2023
REVISIONS

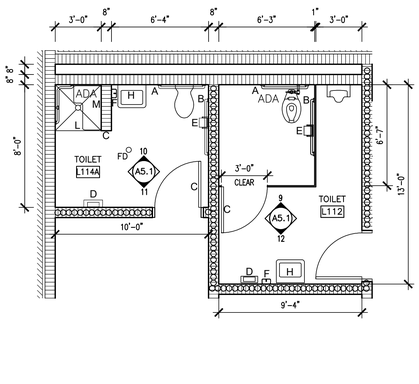
JOB NO. 23-66
SHEET NO:
A2.13
13 OF 17



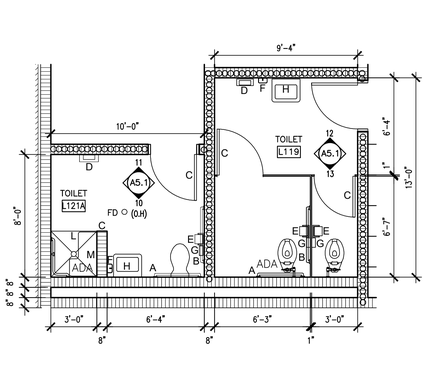
1 ENLARGED TOILET PLAN @ MENS L103
1/4" = 1'-0"



2 ENLARGED TOILET PLAN @WOMENS L107, JAN. L105
1/4" = 1'-0"

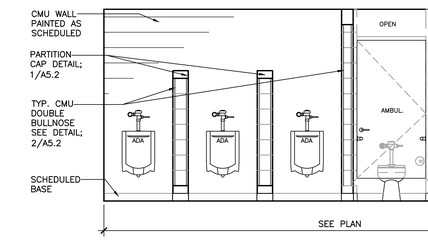


3 ENLARGED TOILET PLAN @TLT.L114A, TLT.L112
1/4" = 1'-0"

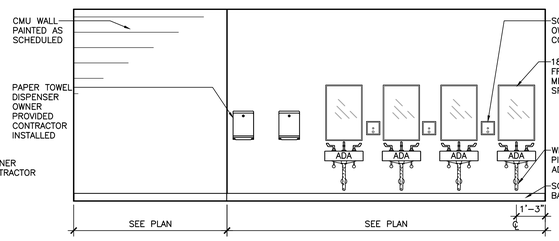


4 ENLARGED TOILET PLAN @ TLT. L121A, TLT.L119
1/4" = 1'-0"

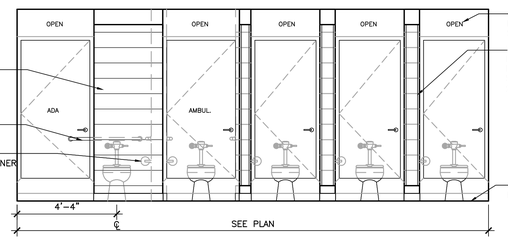
TOILET ACCESSORY LEGEND	
A	36" S.S. GRAB BAR
B	42" S.S. GRAB BAR
C	COAT HOOK
D	PAPER TOWEL DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
E	TOILET TISSUE DISPENSER (OWNER PROVIDED, CONTRACTOR INSTALLED)
F	SOAP DISPENSER - SURFACE MOUNT (OWNER PROVIDED, CONTRACTOR INSTALLED)
G	FEMININE NAPKIN DISPOSAL
H	FRAMED MIRROR 18" X 30"
J	MOP SINK
K	MOP AND BROOM HOLDER
L	SHOWER CURTAIN ROD/ CURTAIN
M	ADA SHOWER SEAT



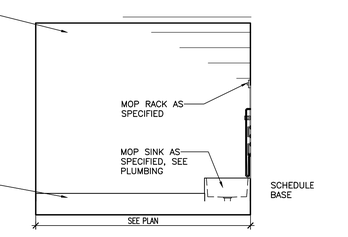
5 TOILET ELEVATION @MENS L103
3/8" = 1'-0"



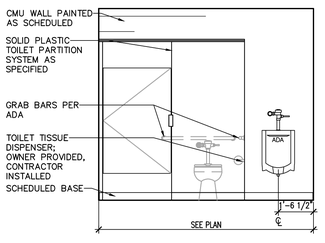
6 TOILET ELEVATION @MENS L103 (O.H.), WOMENS L107
3/8" = 1'-0"



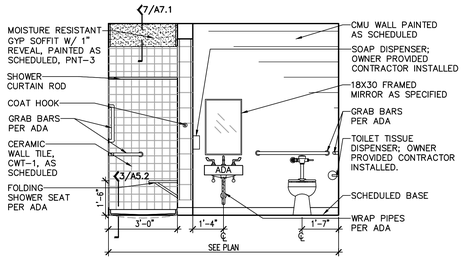
7 TOILET ELEVATION @WOMENS L107
3/8" = 1'-0"



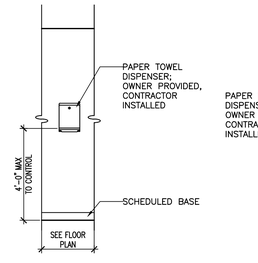
8 INTERIOR ELEVATION @JAN L105
3/8" = 1'-0"



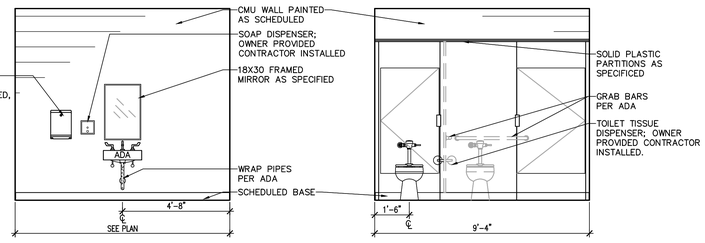
9 TOILET ELEVATION @ TLT. L112
3/8" = 1'-0"



10 TOILET ELEVATION @ TLT. L114A
3/8" = 1'-0"

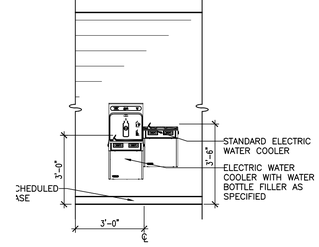


11 INTERIOR ELEVATION @ TYP. PAPER TOWEL DISPENSER
3/8" = 1'-0"

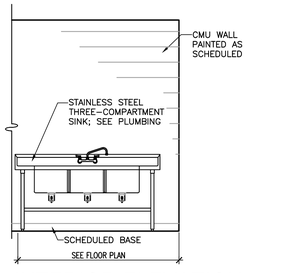


12 TOILET ELEVATION @ TLT. L119
3/8" = 1'-0"

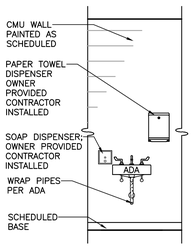
13 INTERIOR ELEVATION @ TLT. L119
3/8" = 1'-0"



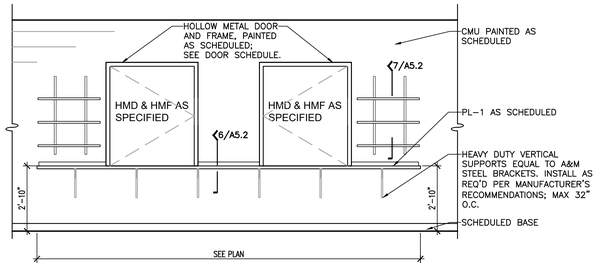
14 INTERIOR ELEVATION @ TYP. EWC
3/8" = 1'-0"



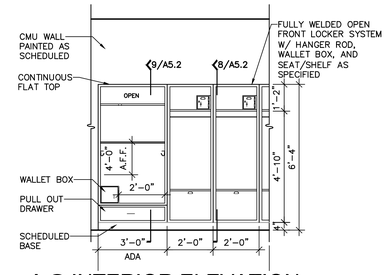
15 INTERIOR ELEVATION @ WASH L102
3/8" = 1'-0"



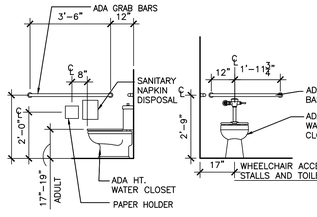
16 INTERIOR ELEVATION @ L101
3/8" = 1'-0"

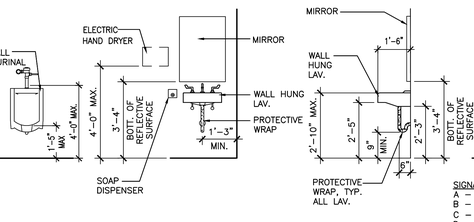


17 INTERIOR ELEVATION @ L101
3/8" = 1'-0"

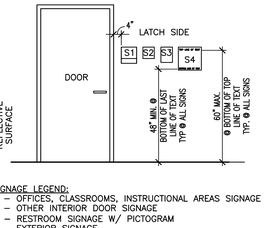


18 INTERIOR ELEVATION @LOCKERS L111, L118
3/8" = 1'-0"



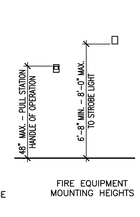


19 TYPICAL ADA DETAILS
3/8" = 1'-0"

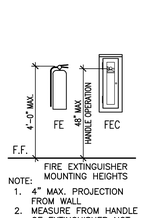


SIGNAGE LEGEND:
A – OFFICES, CLASSROOMS, INSTRUCTIONAL AREAS SIGNAGE
B – OTHER INTERIOR DOOR SIGNAGE
C – RESTROOM SIGNAGE W/ PICTOGRAM
D – EXTERIOR SIGNAGE

NOTE:
1. TYPICAL SIGNAGE LOCATION AND HEIGHTS SHOWN. SEE SPECIFICATIONS FOR SIGN SIZE AND REQUIREMENTS.
2. ALIGN TOP OF ALL SIGNS AS SHOWN, TYPICAL UNLESS OTHERWISE REQUIRED BY THE AMERICANS WITH DISABILITIES ACT.
3. SEE TORNADO SHELTER PLANS FOR SHELTER SIGNAGE IF APPLICABLE.



FIRE EQUIPMENT MOUNTING HEIGHTS



FIRE EXTINGUISHER MOUNTING HEIGHTS

NOTE:
1. 4" MAX. PROJECTION FROM WALL
2. MEASURE FROM HANDLE OF EXTINGUISHER NOT CABINET HANDLE

LATHAN ARCHITECTS

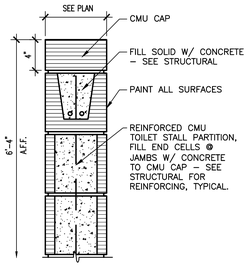
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

STATE OF ALABAMA
No. 3365
RICK N. LATHAN
REGISTERED ARCHITECT

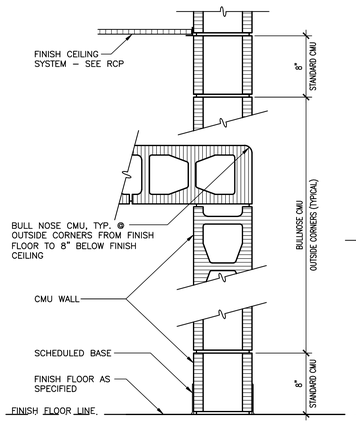
SHEET TITLE:
ENLARGED TOILET PLANS, INTERIOR ELEVATIONS, LEGENDS, DETAILS AND NOTES

PROJ. MGR.: R. LATHAN
DRAWN: K.GILBERT
DATE: OCTOBER 24, 2023
REVISIONS

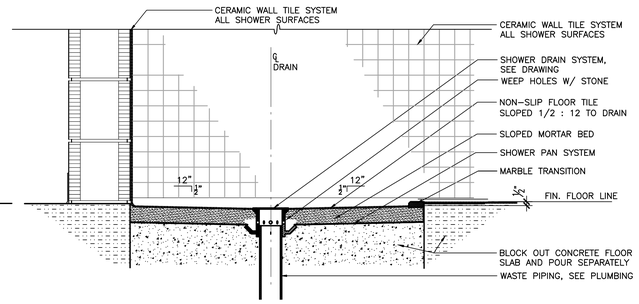
JOB NO. 23-66
SHEET NO:
A5.1
14 OF 17



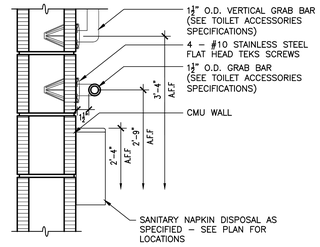
1 DETAIL @CMU PARTITION CAP
1–1/2" = 1'–0"



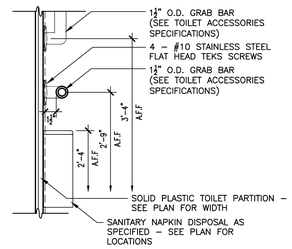
2 DETAIL @CMU BULL NOSE EDGE
1–1/2" = 1'–0"



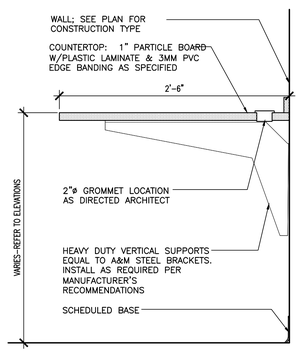
3 DETAIL @SHOWER FLOOR
1–1/2" = 1'–0"



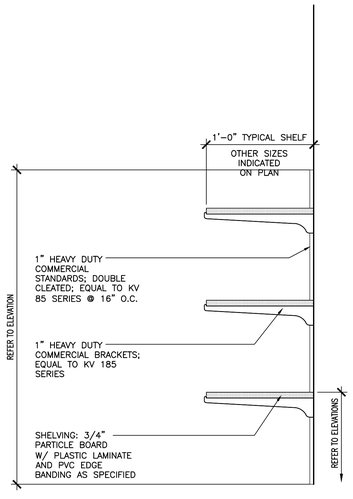
4 DETAIL @GRAB BARS W/ CMU
1–1/2" = 1'–0"



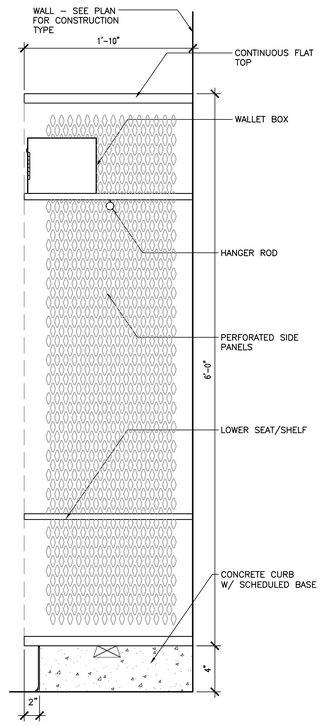
5 DETAIL @GRAB BARS W/ PARTITION
1–1/2" = 1'–0"



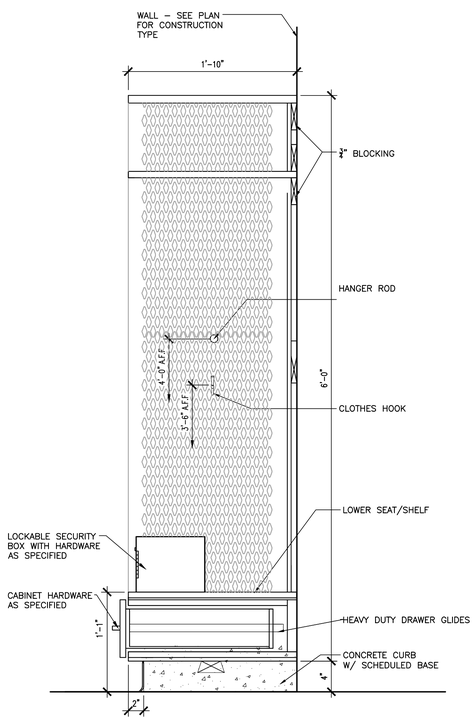
6 DETAIL @CONCESSIONS COUNTER
1 1/2" = 1'–0"



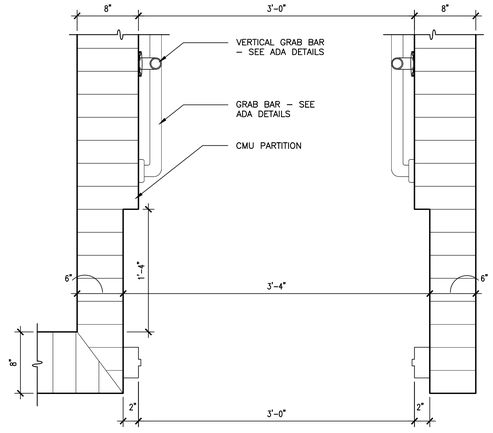
7 DETAIL @CONCESSIONS SHELVING
1 1/2" = 1'–0"



8 DETAIL @DUGOUT LOCKERS
1 1/2" = 1'–0"



9 DETAIL @ ADA LOCKERS
1 1/2" = 1'–0"



10 DETAIL @ AMBULATORY STALL W/ CMU
1 1/2" = 1'–0"

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STATE OF ALABAMA
No. 3365
RICK N. LATHAN
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SHEET TITLE:
INTERIOR DETAILS

PROJ. MGR.: R. LATHAN
DRAWN: K.GILBERT
DATE: OCTOBER 24, 2023
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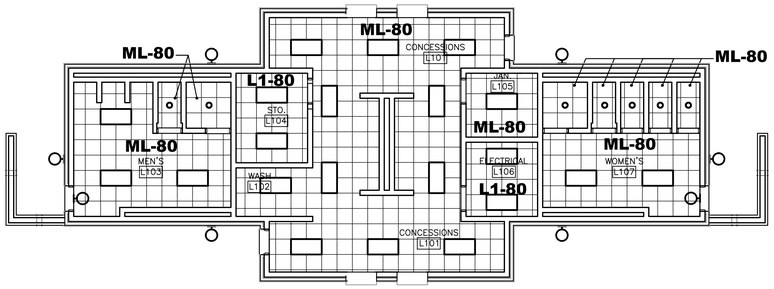
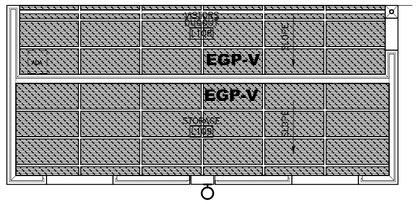
JOB NO. 23-66
SHEET NO:
A5.2
15 OF 17

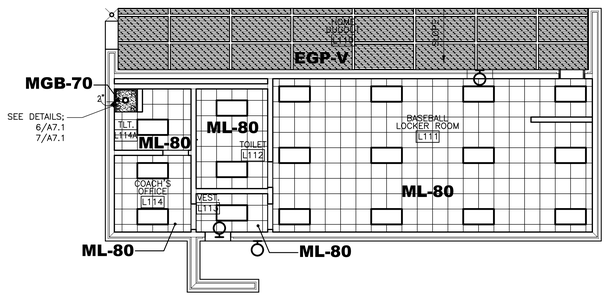
0 1" 2"



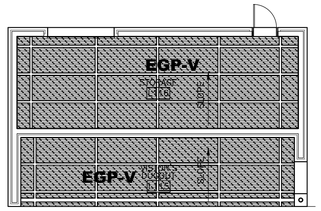
1 REFLECTED CEILING PLAN @ CONCESSIONS
1/4" = 1'-0"



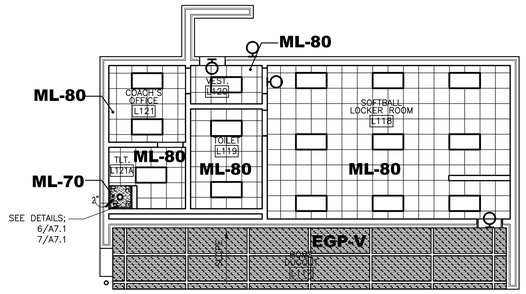
2 REFLECTED CEILING PLAN @ VISTORS BASEBALL DUGOUT
1/4" = 1'-0"



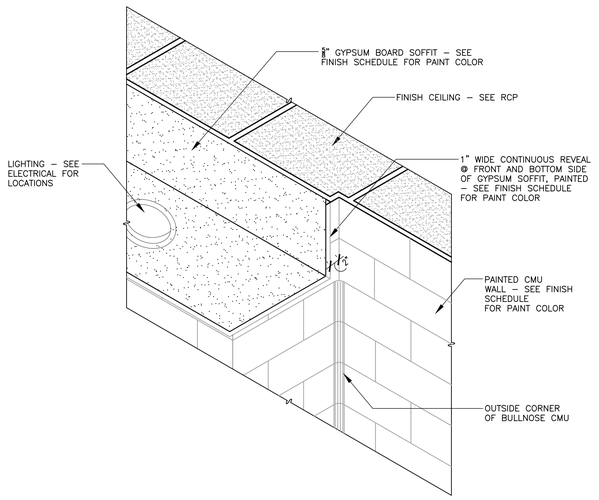
3 REFLECTED CEILING PLAN @ HOME BASEBALL DUGOUTS
1/4" = 1'-0"



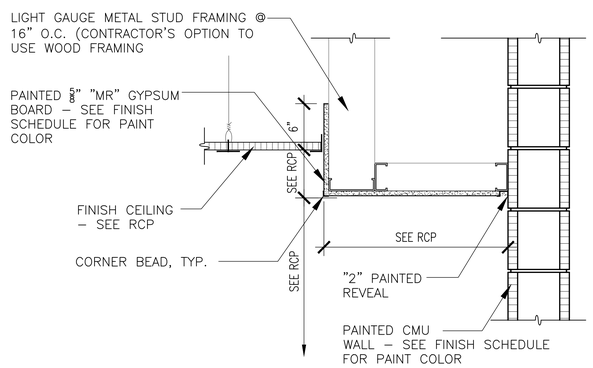
4 REFLECTED CEILING PLAN @VISTORS SOFTBALL DUGOUT
1/4" = 1'-0"



5 REFLECTED CEILING PLAN @HOME SOFTBALL DUGOUT
1/4" = 1'-0"



6 CEILING DETAIL @SOFFIT REVEAL AT ACOUSTICAL CEILING TILE
1" = 1'-0"



7 CEILING DETAIL @CMU SHOWER SOFFIT
1/4" = 1'-0"

CEILING LEGEND

FIXTURE TYPES - SEE ELECTRICAL

CEILING TYPE	CEILING HEIGHTS
NC - NO CEILING; CLEAN, PREP, AND PAINT ALL EXPOSED STRUCTURE	V = VARIES
MGB - MOISTURE RESISTANT GYPSUM BOARD	70 = 7'-0" AFF
ML - 2x2 MOISTURE RESISTANT LAY-IN CEILING TILE; AS SPECIFIED	90 = 8'-0" AFF
R - 1" REVEAL AT ALL GYPSUM SOFFITS; HORIZONTAL AS SHOWN, EXTEND VERTICAL - PAINTED TO MATCH SOFFIT	
EGP - EXTERIOR GRADE PLYWOOD, PAINTED	

CEILING TYPE — L1-90 — CEILING HEIGHT

CEILING NOTES

- AFF = ABOVE FINISH FLOOR
- ALL CEILING HEIGHTS ARE FROM ADJACENT FINISHED FLOOR
- CEILING HEIGHTS INDICATED ARE MINIMUM HEIGHTS. COORDINATE W/ PLUMBING, MECHANICAL, AND ELECTRICAL TO INSTALL CEILINGS AS HIGH AS POSSIBLE.
- ALL CEILING GRIDS ARE TO BE CENTERED IN ROOM UNLESS SHOWN OR NOTED OTHERWISE
- USE 2x4 LAY-IN CEILING TILES CUT TO FIT AT ALL LOCATIONS LESS THAN 12" AT PERIMETER OF ROOM. WHERE 2x4 TILES OCCUR THEY SHALL MATCH SPECIFIED TILE AS INDICATED FOR EACH ROOM.
- COORDINATE W/ PLUMBING, MECHANICAL AND PLUMBING DRAWINGS AND PROVIDE FRAMING AS REQUIRED TO ACCOMMODATE MECHANICAL AND PLUMBING SYSTEMS
- 1" REVEAL SHALL BE REQUIRED AT ALL AREAS WHERE GYPSUM INTERSECTS CMU.
- COORDINATE MECHANICAL/ELECTRICAL FIXTURES LOCATED IN HIGH CEILINGS; ALL EQUIPMENT LOCATED SHALL MATCH COLOR OF CEILING GRID/CEILING TILE.

LIGHTING/ELECTRICAL NOTES

- COORDINATE LIGHTING LAYOUTS WITH ELECTRICAL DRAWINGS. CONTACT ARCHITECT WITH ANY DISCREPANCIES

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SHEET TITLE:
REFLECTED CEILING PLANS, LEGENDS, AND NOTES

PROJ. MGR.: R. LATHAN
DRAWN: K.GILBERT
DATE: OCTOBER 24, 2023
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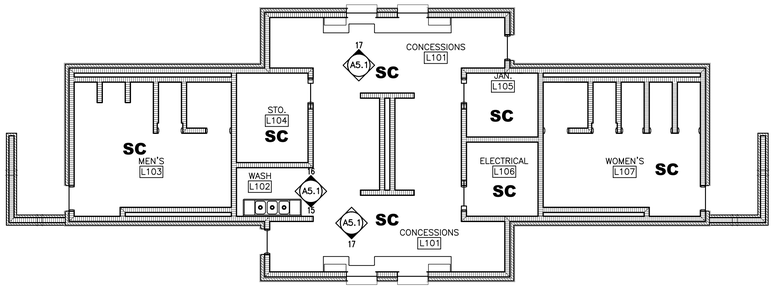
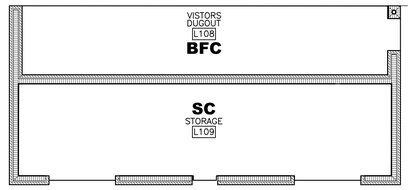
A7.1
16 OF 17

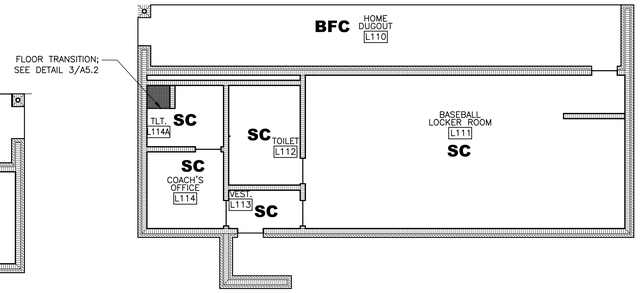
0 1" 2"



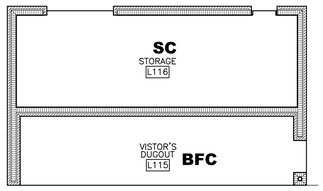
1 FINISH FLOOR PLAN @CONCESSIONS
1/4" = 1'-0"



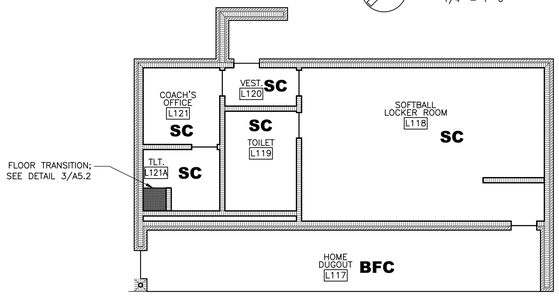
2 FINISH FLOOR PLAN @VISTORS BASEBALL DUGOUT
1/4" = 1'-0"



3 FINISH FLOOR PLAN @HOME BASEBALL DUGOUT
1/4" = 1'-0"



4 FINISH FLOOR PLAN @VISTORS SOFTBALL DUGOUT
1/4" = 1'-0"



5 FINISH FLOOR PLAN @HOME SOFTBALL DUGOUT
1/4" = 1'-0"

FINISH PATTERN LEGEND

SC — SC SEALED CONCRETE

BFC — BFC BROOM FINISHED CONCRETE

PFT-1 PORCELAIN FLOOR TILE

FINISH SCHEDULE

NO.	ROOM NAME	FLOOR	BASE	MILLWORK FACE	MILLWORK TOP	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	DOOR FRAME	CEILING/SOFFIT PAINT	NOTES
CONCESSIONS												
L101	CONCESSIONS	SC	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L102	WASH	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L103	MENS	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L104	STORAGE	SC	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L105	JANITOR	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L106	ELECTRICAL	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L107	WOMENS	SC	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
BASEBALL VISITOR DUGOUT												
L108	VISITORS DUGOUT	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	
L109	STORAGE	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	
BASEBALL HOME DUGOUT												
L110	HOME DUGOUT	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L111	BASEBALL LOCKER ROOM	SC	RB-1	PL-1	PL-1	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L112	TOILET	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L113	VESTIBLE	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L114	COACH'S OFFICE	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L114A	TOILET	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
SOFTBALL VISITOR DUGOUT												
L115	VISITOR'S DUGOUT	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L116	STORAGE	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
SOFTBALL HOME DUGOUT												
L117	HOME DUGOUT	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L118	SOFTBALL LOCKER ROOM	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L119	TOILET	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L120	VESTIBULE	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
L121	COACH'S OFFICE	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING
121A	TOILET	SC	RB-1	-	-	PNT-1	PNT-1	PNT-1	PNT-1	PNT-2	PNT-3	EPOXY PAINT ON ALL WALLS AND CEILING

BASE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES
RB-1	MANNINGTON	BLACK 701	SEE FINISH SCHEDULE PROVIDE SILICONE BEAD WHERE BASE MEETS FLOOR, TYP.

PAINT

ITEM	MANUFACTURER	ITEM NUMBER/NAME	TYPE/LOCATION	LOCATION/NOTES
PNT-1	SHERWIN WILLIAMS	COLOR: AGREEABLE GRAY SW 7029	GENERAL WALLS	SEE FINISH SCHEDULE
PNT-2	SHERWIN WILLIAMS	COLOR: DORIAN GRAY SW 7017	GENERAL TRIM	SEE FINISH SCHEDULE
PNT-3	SHERWIN WILLIAMS	COLOR: CEILING BRIGHT WHITE SW7007	CEILING AND SOFFIT	SEE FINISH SCHEDULE

CERAMIC WALL TILE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES
CWT-1	DALTILE	COLLECTION: COLOR WHEEL CLASSIC COLOR: ARCTIC WHITE 0190 SIZE: 4X4	TOILET 102 SHOWER

FINISH ABBREVIATION LEGEND

APF	ACOUSTIC PANEL FABRIC	IC	IMPRINTED CONCRETE	ST	STAIN
		LVT	LUXURY VINYL TILE		
CC	COATED CONCRETE	PL	PLASTIC LAMINATE	TP	TACKABLE ACOUSTIC PANEL
CM	CROWN MOLDING	PNT	PAINT		
CPT	CARPET	PT	PORCELAIN TILE	TS	TACKAKLE SURFACE
CR	CHAIR RAIL	PTB	PORCELAIN TILE BASE	VCT	VINYL COMP. TILE
DP	DIGITAL ACOUSTIC PANEL	QT	QUARRY TILE	WK	WOOD KASE
		QTB	QUARRY TILE BASE	WC	WALLCOVERING
CWT	CERAMIC WALL TILE	RB	RUBBER BASE	WF	WOOD FLOORING
ERB	EPOXY RESIN BASE	RF	RUBBER FLOOR	WP	WOOD PANELING
ERF	EPOXY RESIN FLOOR	SC	SEALED CONCRETE	WV	WOOD VENEER
ESD	STATIC CONTROL TILE	STC	STAINED CONCRETE		
GYP	GYPSUM BOARD	SS	SOLID SURFACE		

SEALED CONCRETE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES
SC	SHERWIN WILLIAMS	SEE SPEC	SEE FINISH SCHEDULE

PORCELAIN FLOOR TILE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES
PFT-1	DALTILE	COLLECTION: KEYSTONES COLOR: DESERT GRAY D014 SIZE: 2X2 MOSAIC	TOILET -- SHOWER

PLASTIC LAMINATE

ITEM	MANUFACTURER	ITEM NUMBER/NAME	LOCATION/NOTES
PL-1	WILSONART	COLOR: PEARL SOAPSTONE 4886 PREMIUM LAMINATE WITH MATCHING EDGEBAND	ADJ. SHELVING; COUNTERTOPS

FINISH NOTES

ALL WALLS TO BE PAINTED PNT -1 UNLESS NOTED OTHERWISE.

ALL WALLS AND CEILINGS LOCATED IN WET AREAS SHALL HAVE EPOXY BASED PAINT

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STATE OF ALABAMA
No. 3365
RICK N. LATHAN
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SHEET TITLE:
FINISH FLOOR PLANS.

PROJ. MGR.: R. LATHAN
DRAWN: K.GILBERT
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
A8.1
17 OF 17

0 1" 2"

GENERAL NOTES

1.0 DESIGN CRITERIA

1.1 CODES AND SPECIFICATIONS:

A. GENERAL BUILDING CODE:
INTERNATIONAL BUILDING CODE, 2021 EDITION.

B. CONCRETE:
BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-14)

C. STRUCTURAL STEEL:
SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, AMERICAN INSTITUTE OF STEEL CONSTRUCTION (ANSI/AISC 360-10)

D. STEEL DECK:
STEEL DECK INSTITUTE DESIGN MANUALS FOR COMPOSITE DECKS, NON-COMPOSITE DECKS, AND ROOF DECKS, LATEST EDITIONS.

E. MASONRY:
SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1-13).
BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530-13).

NATIONAL CONCRETE MASONRY ASSOCIATION'S STANDARD PRACTICES AND "SPECIFICATION FOR THE DESIGN AND CONSTRUCTION OF LOAD BEARING CONCRETE MASONRY"

F. COLD-FORMED STEEL FRAMING:
AISI NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, AMERICAN IRON AND STEEL INSTITUTE (AISI S200-12)

1.2 DESIGN GRAVITY LOADS (PSF):

A. DEAD LOADS:
ANY CHANGES IN CONSTRUCTION MATERIALS FROM THOSE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS SHALL BE REPORTED BY THE GENERAL CONTRACTOR TO THE STRUCTURAL ENGINEER FOR VERIFICATION OF LOAD-CARRYING CAPACITY OF THE STRUCTURE.

B. FLOOR LIVE LOADS:
NON-REDUCIBLE PARTITION LIVE LOAD OF 20 PSF HAS BEEN INCLUDED PER IBC SECTION 1607.5.

LIVE LOAD REDUCTIONS AS DETERMINED BY IBC SECTION 1607.10 HAVE BEEN TAKEN WHERE PERMITTED.

FLOOR (REDUCIBLE)--100
STORAGE--125
MECHANICAL ROOM--125
STAIRS & EXITWAYS--100

C. ROOF LIVE LOADS:
WHERE PERMITTED ROOF LIVE LOADS ARE REDUCED FROM THE BASE VALUE SHOWN BELOW IN ACCORDANCE WITH IBC SECTION 1607.12

ROOF (MAIN BUILDING)--------------------------------------20

D. ROOF SNOW LOADS:
GROUND SNOW LOAD (Pg)-----------------------------------5.0
IMPORTANCE FACTOR (I)-----------------------------------1.1
EXPOSURE FACTOR (Ce)------------------------------------1.0
THERMAL FACTOR (Ct)-------------------------------------1.0

1.3 DESIGN LATERAL LOADS:

A. WIND LOADS:
ULTIMATE DESIGN WIND SPEED (3-SECOND GUST)-----------106MPH
BASIC WIND SPEED (3-SECOND GUST)----------------------90MPH
RISK CATEGORY ---II
WIND EXPOSURE CATEGORY------------------------------------C
INTERNAL PRESSURE COEFFICIENTS------------------- +/- 0.18
SEE TYPICAL DETAILS FOR COMPONENT AND CLADDING LOADS

B. SEISMIC LOADS:
OCCUPANCY CATEGORY II
SEISMIC IMPORTANCE FACTOR------------------------------1.00
MAPPED SPECTRAL RESPONSE ACCELERATIONS:
SS--0.274
S1--0.100
SITE CLASS--D
SPECTRAL RESPONSE COEFFICIENTS:
SDS---0.289
SD1---0.160
SEISMIC DESIGN CATEGORY-----------------------------------C
BASIC SEISMIC-FORCE-RESISTING SYSTEM:
INTERMEDIATE REINFORCED MASONRY SHEAR WALLS
DESIGN BASE SHEAR:
FIELDHOUSE-----------------------------------25 KIPS
BASEBALL/SOFTBALL BUILDINGS-------------------20 KIPS
SEISMIC RESPONSE COEFFICIENT, Cs---------------------0.0475
RESPONSE MODIFICATION FACTOR, R-------------------------3.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

2.0 GENERAL CONDITIONS

2.1 THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE A PORTION OF THE CONSTRUCTION DOCUMENTS. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL REFERENCE AND COORDINATE WITH OTHER DISCIPLINE'S DRAWINGS. ANY DISCREPANCIES OR OMISSIONS SHALL BE IMMEDIATELY REPORTED TO THE ARCHITECT AND STRUCTURAL DESIGN GROUP.

2.2 ALL REPORTS, PLANS, SPECIFICATIONS, COMPUTER FILES, FIELD DATA, NOTES, AND OTHER DOCUMENTS AND INSTRUMENTS PREPARED BY STRUCTURAL DESIGN GROUP AS INSTRUMENTS OF SERVICE SHALL REMAIN THE PROPERTY OF STRUCTURAL DESIGN GROUP. STRUCTURAL DESIGN GROUP SHALL RETAIN ALL COMMON LAW, STATUTORY, AND OTHER RESERVED RIGHTS, INCLUDING THE COPYRIGHT THERETO.

2.3 CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS, ELEVATIONS AND SITE CONDITIONS PRIOR TO FABRICATION/CONSTRUCTION. NOTIFY STRUCTURAL ENGINEER AND ARCHITECT OF ANY DISCREPANCIES PRIOR TO FABRICATION/CONSTRUCTION.

2.4 WHERE SHOP DRAWINGS, CALCULATIONS, OR SUBMITTALS ARE CALLED FOR IN THE PROJECT DOCUMENTS (DRAWINGS AND SPECIFICATIONS) AND ARE NOT PROVIDED BY THE CONTRACTOR, THE CONTRACTOR ASSUMES TOTAL RESPONSIBILITY FOR THE DESIGN AND ASSOCIATED WORK.

2.5 ENGINEER'S SHOP DRAWING REVIEW IS LIMITED TO REVIEW FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT REFLECTED IN THE STRUCTURAL PORTION OF THE CONTRACT DOCUMENTS. THIS REVIEW DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE DRAWINGS, SPECIFICATIONS OR OTHER PROJECT CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSUMED OR IMPLIED FOR THE CORRECTNESS OF DIMENSIONS OR DETAILS. THIS REVIEW DOES NOT AUTHORIZE CHANGES TO THE CONTRACT SUM UNLESS STATED IN A SEPARATE WRITTEN FORM OR CHANGE ORDER. CONTRACTOR SHALL CONFIRM AND CORRELATE ALL QUANTITIES AND DIMENSIONS, SELECT FABRICATION PROCESSES AND TECHNIQUES OF CONSTRUCTION, COORDINATE HIS WORK WITH THAT OF OTHER TRADES, AND PERFORM HIS WORK IN A SAFE AND SATISFACTORY MANNER. CONTRACTOR SHALL ALSO REFER TO THE REQUIREMENTS OF THE GENERAL AND SUPPLEMENTARY GENERAL CONDITIONS.

2.6 ALL DETAILS SHOWN ARE TYPICAL. SIMILAR DETAILS APPLY TO SIMILAR CONDITIONS, UNLESS NOTED.

2.7 VERIFY ALL DIMENSIONS AND DETAILS SHOWN ON THESE DRAWINGS. ANY DISCREPANCIES OR OMISSIONS FOUND SHALL BE REPORTED TO THE ENGINEER AND OTHER DESIGN PROFESSIONALS AS APPROPRIATE FOR RESOLUTION PRIOR TO PROCEEDING WITH ANY RELATED WORK.

2.8 THESE DRAWINGS DO NOT INCLUDE PROVISIONS TO SATISFY JOB SITE SAFETY REQUIREMENTS. CONTRACTOR IS SOLELY RESPONSIBLE FOR ENSURING SAFETY DURING CONSTRUCTION AND FOR CONFORMANCE TO ALL APPLICABLE OSHA STANDARDS. JOBSITE VISITS BY ENGINEER SHALL NOT CONSTITUTE APPROVAL, AWARENESS OR LIABILITY FOR ANY HAZARDOUS CONDITIONS.

2.9 STRUCTURAL DESIGN GROUP IS NOT RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS, SAFETY PROCEDURES, CONSTRUCTION SUPERVISION OR SITE SAFETY, AND DOES NOT HAVE THE AUTHORITY TO STOP WORK FOR THESE ITEMS. DRAWINGS FURTHER DO NOT PROVIDE ENGINEERING CONTROLS FOR SILICA STANDARD OR ANY OTHER SAFETY STANDARD.

2.10 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR BRACING AND SHORING ALL EXCAVATIONS, DEWATERING OF EXCAVATION FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE, TEMPORARY AND EXISTING STRUCTURES, AND PARTIALLY COMPLETED PORTIONS OF THE WORK TO ASSURE THE SAFETY OF ANY PERSON COMING IN CONTACT WITH THE WORK.

2.11 THE STRUCTURAL INTEGRITY OF THE BUILDING IS DEPENDENT UPON COMPLETION ACCORDING TO THE PLANS AND SPECIFICATIONS. THE STRUCTURAL ENGINEER OF RECORD ASSUMES NO LIABILITY FOR THE STRUCTURE DURING CONSTRUCTION. THE METHOD OF CONSTRUCTION AND SEQUENCE OF OPERATIONS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL SUPPLY ANY NECESSARY BRACING, GUYS, ETC. TO PROPERLY BRACE THE STRUCTURE AGAINST WIND, DEAD AND LIVE LOADS UNTIL THE BUILDING IS COMPLETED ACCORDING TO THE PLANS AND SPECIFICATIONS. ANY QUESTIONS REGARDING TEMPORARY BRACING REQUIREMENTS SHOULD BE FORWARDED TO A STRUCTURAL ENGINEER FOR REVIEW.

2.12 MECHANICAL UNITS AND ANY OTHER EQUIPMENT SUPPORTED BY THE STRUCTURE WITH WEIGHTS IN EXCESS OF 200 LBS SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER PRIOR TO INSTALLATION.

2.13 WHERE NOTED IN DRAWINGS AND SPECIFICATIONS TO INSTALL PRODUCTS PER THE MANUFACTURER'S RECOMMENDATIONS, IT SHALL BE REQUIRED THAT THE CONTRACTOR FOLLOWS THE MANUFACTURER'S RECOMMENDATIONS.

2.14 STRUCTURAL OBSERVATION IS VISUAL OBSERVATION OF THE IN-PLACE STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS AT THE TIME OF THE OBSERVATION AND SHALL NOT BE CONSTRUED AS INSPECTION OR APPROVAL OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING TESTING AND SPECIAL INSPECTIONS PER THE REQUIREMENTS IN THE PROJECT MANUAL.

2.15 OBSERVATION BY THE ENGINEER OF RECORD'S OFFICE DOES NOT REPLACE INSPECTIONS AND TESTING BY THE TESTING AGENCY OR SPECIAL INSPECTOR.

3.0 FOUNDATIONS

3.1 A GEOTECHNICAL ENGINEER SHALL PROVIDE COMPACTED FILL REQUIREMENTS FOR THE BUILDING PAD AND REVIEW THE FOUNDATION BEARING SURFACE TO VERIFY THE ASSUMED ALLOWABLE BEARING PRESSURE AND ASSUMED SEISMIC SITE CLASS NOTED. DO NOT PLACE CONCRETE PRIOR TO GEOTECHNICAL ENGINEER'S APPROVAL.

3.2 ASSUMED MAXIMUM ALLOWABLE BEARING PRESSURES (PSF):
COLUMN FOOTINGS--2000
CONTINUOUS WALL FOOTINGS-------------------------------2000
NOTE: ALL FOOTING BEARING ELEVATIONS SHALL BE BEARING IN SIMILAR MATERIAL AND OVER-EXCAVATE ROCK BELOW FOOTINGS AS REQUIRED.

3.3 ALL FOUNDATION BEARING SURFACES SHALL BE REVIEWED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE TO ENSURE THEIR COMPLIANCE WITH PRESSURES NOTED. ALL FOOTING ELEVATIONS ARE ESTIMATED AND MAY BE ADJUSTED IN THE FIELD BY THE GEOTECHNICAL ENGINEER.

3.4 COMPACTED FILL WITHIN THE BUILDING AREA (AND EXTENDING 10'-0" OUTSIDE THE EXTERIOR BUILDING LINE) SHALL MEET THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER.

3.5 BACKFILL FOR FOUNDATION AND RETAINING WALLS SHALL BE A FREE DRAINING GRANULAR MATERIAL, SUCH AS SIZE #57 STONE. BACKFILL SHALL BE COMPACTED SUFFICIENTLY TO PREVENT SUBSIDENCE OF SURFACE ADJACENT TO WALL. THE GRANULAR MATERIAL SHALL BE PLACED IN A 45 DEGREE WEDGE EXTENDING FROM THE BASE OF THE FOOTING TO WITHIN 18" OF FINSH GRADE ON EXTERIOR AND TO UNDERSIDE OF SLAB ON INTERIOR.

3.6 GRANULAR BACKFILL SUPPORTING A FOOTING SHALL BE COMPACTED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. PROVIDE A 12" THICK CAP OF PROPERLY COMPACTED CRUSH AND RUN STONE BETWEEN THE FOOTING AND THE PROPERLY COMPACTED GRANULAR BACKFILL. EXTEND CRUSH AND RUN CAP TWO FEET BEYOND THE PERIMETER OF THE FOOTING OR AS DIRECTED BY THE GEOTECHNICAL ENGINEER.

3.7 FOUNDATION AND RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL CONCRETE HAS ATTAINED THE REQUIRED 28 DAY COMPRESSIVE STRENGTH.

3.8 DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL UPPER BRACING FLOORS ARE IN PLACE FOR AT LEAST SEVEN DAYS AND HAVE ATTAINED 75% OF DESIGN STRENGTH.

3.9 REINFORCING STEEL IN CONTINUOUS WALL FOOTINGS SHALL EXTEND THRU SPREAD FOOTINGS AT THE SAME ELEVATION AS WALL FOOTING. STEP WALL FOOING DOWN ON SPREAD FOOTING WHERE SPREAD FOOTING IS BELOW CONTINUOUS WALL FOOTING.

3.10 SUBGRADE AND GRANULAR FILL SUPPORTING SLABS ON GRADE SHALL BE AS RECOMMENDED BY THE GEOTECHNICAL REPORT AND COMPACTED UNDER THE DIRECT SUPERVISION OF THE GEOTECHNICAL ENGINEER OR HIS APPROVED REPRESENTATIVE. SEE SPECIFICATIONS FOR VAPOR RETARDER BENEATH SLABS ON GRADE.

3.11 GRANULAR FILL BENEATH SLABS, UNLESS NOTED OTHERWISE, SHALL BE 4" COMPACTED #57 STONE.

3.12 VAPOR RETARDER BENEATH SLABS ON GRADE, UNLESS NOTED, SHALL MEET ASTM E 1745, CLASS A, 15 MIL MINIMUM THICKNESS WITH MANUFACTURER'S RECOMMENDED ADHESIVE OR PRESSURE-SENSITIVE TAPE AND PIPE BOOTS, SUCH AS W.R. MEADOWS INC. PRODUCT PERMINATOR 15.

3.13 NO EXCAVATION SHALL BE CLOSER THAN AT A SLOPE OF 2:1 (TWO HORIZONTAL TO ONE VERTICAL) TO A FOOTING.

4.0 CONCRETE

4.1 CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

4.2 CONCRETE STRENGTH AND DURABILITY REQUIREMENTS -- MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS (PSI), TYPE OF CONCRETE, MAXIMUM WATER/CEMENTITIOUS RATIO, AIR CONTENT, SLUMP, AND CONCRETE USE:

STRENGTH	TYPE	MAX W/C	AIR	SLUMP	USE
3000	NORMAL WT.	0.57	----	3" TO 5"	FOOTINGS
3500	NORMAL WT.	0.50	----	3" TO 5"	SLABS ON GRADE
4000	NORMAL WT.	0.45	4-6%	3" TO 5"	UNLESS NOTED

A. CONCRETE MIX DESIGN SHALL BE WORKABLE WITH LOWEST TOTAL WATER PER CUBIC YARD USING LARGEST PRACTICAL MAXIMUM SIZE OF COURSE AGGREGATE.

4.3 REINFORCING BARS: ASTM A615 GRADE 60.

4.4 WATERSTOPS: FLEXIBLE PVC WATERSTOPS, CE CRD-C 572 UNLESS NOTED OTHERWISE, WITH FACTORY-INSTALLED METAL EYELETS, FOR EMBEDDING IN CONCRETE TO PREVENT PASSAGE OF FLUIDS THROUGH JOINTS. FACTORY FABRICATE CORNERS, INTERSECTIONS, AND DIRECTIONAL CHANGES. ACCEPTABLE MANUFACTURER IS THE GREENSTREAK GROUP, INC, 800-325-9504, OR EQUAL. PROFILE SHALL BE FLAT, DUMBBELL WITH CENTER BULB WITH DIMENSIONS OF 6 INCHES BY 3/8 INCH THICK.

A. FLEXIBLE WATERSTOP INSTALLATION: INSTALL IN CONSTRUCTION JOINTS AND AT OTHER JOINTS INDICATED TO FORM A CONTINUOUS DIAPHRAGM. INSTALL IN LONGEST LENGTHS PRACTICABLE. SUPPORT AND PROTECT EXPOSED WATERSTOPS DURING PROGRESS OF THE WORK.

4.5 REINFORCING STEEL SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT REINFORCING EXISTS. SEE SCHEDULES, SECTION NOTES AND GENERAL NOTES FOR ACTUAL REINFORCING REQUIRED.

4.6 REINFORCING BAR PLACING ACCESSORIES IN ACCORDANCE WITH ACI MANUAL OF STANDARD PRACTICE. WHERE CONCRETE IS EXPOSED IN FINISHED BUILDING, PROVIDE ACCESSORIES WITH RUSTPROOF LEGS. WHERE CONCRETE IS SAND-BLASTED OR BUSH-HAMMERED, PROVIDE ACCESSORIES OF STAINLESS STEEL.

4.7 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315. REINFORCEMENT SHALL NOT BE WELDED UNLESS NOTED OR APPROVED BY THE ENGINEER.

4.8 ALL SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

4.9 ALL REINFORCING MARKED "CONT." INDICATES REINFORCING SHALL BE "CONTINUOUS" AND SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED.

4.10 PROVIDE CORNER BARS AT ALL CORNERS OF CONTINUOUS REINFORCING IN FOOTINGS, SLABS OR WALLS. CORNER BARS SHALL BE LONG ENOUGH TO PROVIDE A CLASS "B" LAP SPLICE OF REINFORCING BARS.

4.11 CONCRETE COVERAGE OF REINFORCEMENT, UNLESS NOTED:

FOOTINGS------------------------------2" TOP & 3" BOTTOM & SIDES
COLUMNS & PEDESTALS-------------------------1-1/2" CLEAR OF TIES
BASEMENT WALLS------------------------------------2" BOTH FACES
FOUNDATION RETAINING WALLS-------------------------2" BOTH FACES
SLAB FACES NOT EXPOSED TO WEATHER OR EARTH------------------3/4"
SLAB FACES EXPOSED TO WEATHER
#5 AND LESS--1-1/2"
#6 AND GREATER---2"

NOTE: SLAB ON GRADE WWR OR REINFORCEMENT EACH WAY SHALL BE 2" CLEAR FROM TOP OF SLAB. SEE EARTH SUPPORTED SLABS SECTION BELOW.

4.12 COLUMN, PEDESTAL AND WALL VERTICAL REINFORCING: DOWEL TO FOUNDATION WITH HOOKED BARS OF SAME SIZE AND SPACING AS VERTICAL REINFORCING.

4.13 WELDED WIRE REINFORCEMENT (WWR): ASTM A185. MINIMUM LAP AND EMBEDMENT TO BE THE GREATER OF ONE CROSS WIRE SPACING PLUS 2 INCHES OR 6 INCHES.

4.14 EARTH SUPPORTED SLABS:

4" THICK (UNLESS NOTED), REINFORCED WITH 6X6 W2.9/W2.9 WWR FLAT SHEETS SUPPORTED 2" CLEAR OF TOP OF SLAB, UNLESS NOTED. WWR TO BE CHAIRED AT 36 INCHES EACH WAY MINIMUM. SEE FOUNDATION NOTES FOR SUBGRADE REQUIREMENTS.

PROVIDE CONTROL AND CONSTRUCTION JOINTS AT MAXIMUM OF 3-4 TIMES SLAB THICKNESS IN FEET OR AS REQUIRED TO PREVENT UNCONTROLLED CRACKING PER ACI RECOMMENDATIONS. AS AN EXAMPLE, FOR A 4" THICK SLAB, PROVIDE JOINTS SPACED 12 - 16 FEET MAXIMUM. PANELS TO BE RECTANGULAR WITH LONG SIDE NOT TO EXCEED 1-1/2X SHORT SIDE. CUTTING SHOULD BE STARTED AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT AGGREGATE FROM BEING DISLODGE. CONTRACTOR SUBMIT PLAN SHOWING LOCATION OF CONSTRUCTION AND CONTROL JOINTS.

FLOOR DESIGN AND CONSTRUCTION BASIS IS ACI 302 AND 360, AND IT IS UNREALISTIC TO EXPECT CRACK-FREE OR CURL-FREE FLOORS. IT IS NORMAL TO EXPECT SOME AMOUNT OF CRACKING AND CURLING IN THE SLAB ON GRADE, AND SUCH OCCURRENCE DOES NOT NECESSARILY REFLECT ADVERSELY ON EITHER THE ADEQUENCY OF THE FLOOR DESIGN OR THE QUALITY OF ITS CONSTRUCTION.

EARTH SUPPORTED SLABS SHALL BE MOIST CURED FOR A MINIMUM OF SEVEN DAYS. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION. CURING COMPOUNDS, UNLESS NOTED, SHALL BE A MINIMUM OF CLEAR, WATERBORNE, MEMBRANE-FORMING CURING COMPOUND MEETING ASTM C 309, TYPE 1, CLASS B, SELF-DISSIPATING, CERTIFIED BY CURING COMPOUND MANUFACTURER TO NOT INTERFERE WITH BONDING OF FLOOR COVERING.

WHERE CONTROL JOINTS TERMINATE INTO NON-PARALLEL CONTROL JOINTS, PROVIDE 2#4 X 6'-0" BARS MID DEPTH OF SLAB PERPENDICULAR TO TERMINAL CONTROL JOINT.

PROVIDE 2#4 X 6'-0" BARS MID DEPTH OF SLAB AT REENTRANT CORNERS.

WHERE CONTROL JOINTS TERMINATE AT EMBEDDED STEEL ELEMENTS (SUCH AS EDGE REINFORCEMENT AT LOADING DOCKS), PROVIDE JOINT IN STEEL ELEMENT.

4.15 WALL AND SLAB OPENINGS AND SLEEVES SMALLER THAN 12" (IN LARGER DIMENSION) ARE NOT SHOWN ON PLANS. CONTRACTOR SHALL SUBMIT ALL OPENINGS (SIZE AND LOCATIONS) AS A SINGLE COORDINATED SLEEVE PLAN FOR REVIEW AND APPROVAL.

4.16 CAST IN PLACE ALL SLEEVES AND INSERTS.

4.17 NO CONDUIT OR PIPE SHALL BE CAST IN THE SLAB ON GRADE WITHOUT THE WRITTEN APPROVAL OF STRUCTURAL DESIGN GROUP.

4.18 FOR ALL CONCRETE EXPOSED TO VIEW IN THE FINISHED CONFIGURATION OF THE STRUCTURE, PROVIDE RUBBED FINISH AT A MINIMUM. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

5.0 STRUCTURAL STEEL

5.1 FABRICATE AND ERECT ALL STRUCTURAL STEEL IN ACCORDANCE WITH AISC "SPECIFICATION FOR THE DESIGN, FABRICATION, AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS".

5.2 THE STEEL FRAME IS "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE.

5.3 STRUCTURAL STEEL: ASTM A992 FOR WIDE FLANGE BEAMS AND COLUMNS; ASTM A36 FOR S, M, AND HP SHAPES AND CHANNELS; ASTM A36 FOR STIFFENER PLATES, BASE PLATES, COLUMN CAP PLATES, BEAM CONNECTION PLATES, AND STEEL ANGLES.

5.4 HOLLOW STRUCTURAL SECTIONS (HSS): ASTM A500, GRADE B.

5.5 WELDED CONNECTIONS: E70XX ELECTRODES, MINIMUM SIZE FILLET WELD 3/16". WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.1, THE STRUCTURAL WELDING CODE - STEEL.

5.6 THREADED AND PLAIN STEEL RODS: ASTM A36.

5.7 HIGH STRENGTH THREADED RODS: ASTM A193 B7

5.8 ANCHOR RODS: ASTM F1554 GRADE 36 ANCHOR AND HEAVY HEX NUT, UNLESS OTHERWISE INDICATED. IF ANCHOR ROD ASSEMBLIES ARE NOT ENCASED IN MINIMUM OF 3" OF CONCRETE, ANCHOR ROD ASSEMBLIES ARE TO BE HOT DIP GALVANIZED.

5.9 HEADED STUDS: TYPE B SHEAR STUD CONNECTORS MADE FROM ASTM A108, GRADE 1015 OR 1020, COLD-FINISHED CARBON, AND COMPLYING WITH AWS D1.1.

5.10 CONNECTIONS:

A. BEARING TYPE A325-N IN ACCORDANCE WITH RCSC (LRFD OR ASD VERSION) "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". BOLTS THROUGH 4" WIDE BEAM FLANGES SHALL BE 5/8" DIAMETER. OTHER BOLTS SHALL BE 3/4" DIAMETER.

B. BOLTS SHOWN IN SECTIONS AND DETAILS ARE A SCHEMATIC INDICATION THAT BOLTS MAY BE USED. ACTUAL NUMBER, UNLESS SPECIFIED, TO BE IN ACCORDANCE WITH AISC.

C. ALL STRUCTURAL STEEL CONNECTIONS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED TO RESIST FORCES INDICATED, BY THE CONTRACTOR.

1. WHERE BEAM REACTIONS ARE SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL DEVELOP THE REACTIONS SHOWN. WHERE CONNECTIONS ARE SUBJECT TO ECCENTRICITY, SUCH ECCENTRICITY SHALL BE TAKEN INTO ACCOUNT WHEN DESIGNING AND DETAILING THE CONNECTION.

2. WHERE BEAM REACTIONS OR DESIGN FORCES ARE NOT SHOWN ON THE DRAWINGS, THE CONTRACTOR SHALL CONTACT STRUCTURAL DESIGN GROUP FOR DIRECTION.

D. DESIGN CALCULATIONS FOR THE CONNECTIONS DESIGNED BY THE CONTRACTOR SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH CALCULATIONS HAVE NOT BEEN RECEIVED WILL BE RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.

5.11 ALL STRUCTURAL STEEL, INCLUDING EXPOSED BOLTS, NUTS, WASHERS OR ANCHOR RODS, EXPOSED TO WEATHER IN THE FINAL CONFIGURATION OF THE STRUCTURE SHALL BE HOT-DIP GALVANIZED, UNLESS NOTED, PER ASTM A 123/A 123M. VENT HOLES SHALL BE FILLED AND GROUND SMOOTH AFTER GALVANIZING. DAMAGE TO GALVANIZING SHALL BE PAINTED WITH GALVANIZING REPAIR PAINT, SSPC-PAINT 20. SEE 05120 SPECIFICATION FOR PAINT REQUIREMENTS FOR STEEL THAT IS GALVANIZED AND PAINTED.

5.12 ALL STEEL EXPOSED TO WEATHER, INCLUDING STEEL LINTELS FOR MASONRY OPENINGS, EXCEPT WHERE FABRICATED OF APPROVED CORROSION-RESISTANT STEEL OR OF STEEL HAVING A CORROSION RESISTANT OR OTHER APPROVED COATING, SHALL BE PROTECTED AGAINST CORROSION WITH AN APPROVED COAT OF PAINT, ENAMEL, OR OTHER APPROVED PROTECTION.

5.13 ALL HANDRAILS, GUARDRAILS, AND EMBEDS NOT SPECIFICALLY DETAILED ON THE DRAWINGS SHALL BE DESIGNED IN ACCORDANCE WITH THE APPLICABLE BUILDING CODE NOTED ABOVE, BY THE CONTRACTOR, UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. CALCULATIONS SHALL BEAR THE SEAL OF THE PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED AND SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND SHALL BE INCLUDED WITH THE SHOP DRAWINGS.

5.14 WHERE STEEL BEAMS ARE CONTINUOUS OVER COLUMNS, PROVIDE WEB STIFFENER PLATES EACH SIDE OF BEAM WEB, OF THICKNESS EQUAL TO BEAM FLANGE THICKNESS, LOCATED IN ALIGNMENT WITH COLUMN WEB OR FLANGES OR CENTER LINE OF HSS COLUMNS.

5.15 PROVIDE 3/4" THICK CLOSURE PLATES ON THE ENDS OF TUBE STEEL BEAMS. SHOP WELD TO BEAM WITH 1/4" PARTIAL PENETRATION WELDS ALL AROUND.

6.0 STEEL DECK

6.1 DECK PROPERTIES AND ATTACHMENTS SHALL BE IN ACCORDANCE WITH THE STEEL DECK INSTITUTE.

6.2 DECK SHALL BE CONTINUOUS OVER THREE OR MORE SPANS. WHERE DECK SPANS LESS THAN THREE SPANS ARE REQUIRED, THEY SHOULD BE CLEARLY MARKED ON THE SHOP DRAWINGS.

6.3 ROOF DECK SHALL BE CONNECTED TO SUPPORTING STRUCTURE AS SHOWN IN THE TYPICAL DETAILS AND/OR PLAN NOTES.

A. MANUFACTURER SHALL VERIFY ROOF DECK ATTACHMENT IS ADEQUATE TO RESIST THE WIND UPLIFT LOADING FROM THE COMPONENTS AND CLADDING WIND LOAD TABLE PROVIDED IN THE TYPICAL DETAILS.

6.4 WELDED CONNECTIONS: E60XX ELECTRODES: WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.3, THE STRUCTURAL WELDING CODE - SHEET STEEL.

6.5 COLD-FORMED STEEL FRAMING, SUSPENDED CEILINGS, LIGHT FIXTURES, DUCTS, PIPING, AND/OR OTHER UTILITIES SHALL NOT BE SUPPORTED BY THE STEEL ROOF DECK.

6.6 ROOF DECK:

A. WHERE NOTED AS 1-1/2", WIDE RIB TYPE "WR", STEEL ROOF DECK, SEE PLANS FOR GAGE, 1-1/2" DEEP, GALVANIZED.

6.7 CONTRACTOR OPTION TO USE HILTI S-SLC 02 M HWH IN LIEU OF #10 SIDELAP SCREWS AND HILTI FASTENERS IN LIEU OF #12 TEK SCREWS AS FOLLOWS: HILTI S-MD 12-24x1-5/8 HWH5 SCREWS FOR STUDS, JOISTS AND BEAMS 16 GA ≤ tf ≤ 1/4" HILTI X-HSN 24 PINS FOR JOISTS AND BEAM 1/8" ≤ tf ≤ 3/8" HILTI X-ENP 19 L15 PINS FOR BEAMS tf ≥ 1/4".

6.8 WELDED CONNECTIONS: E60XX ELECTRODES: WELDING QUALIFICATION, PROCEDURES AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.3, THE STRUCTURAL WELDING CODE - SHEET STEEL.

6.9 NO CONDUIT OR PIPE SHALL BE CAST IN THE SLAB WITHOUT THE WRITTEN APPROVAL OF STRUCTURAL DESIGN GROUP. CONDUIT SHALL NOT BE PLACED IN SLABS REQUIRING A FIRE RESISTANCE RATING OR UL RATING.

7.0 MASONRY

7.1 MASONRY CONSTRUCTION SHALL CONFORM TO ACI 530.1-13 SPECIFICATION.

7.2 ALL MASONRY MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA) AND NATIONAL CONCRETE MASONRY ASSOCIATION (NCMA) AND MINIMUM REQUIREMENTS ESTABLISHED BY THE LOCAL BUILDING CODE.

7.3 MINIMUM COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNIT (f'm) SHALL BE 2000 PSI AT 28 DAYS.

7.4 NET COMPRESSIVE STRENGTH FOR EACH CMU UNIT SHALL MEET OR EXCEED 2000 PSI AT 28 DAYS. FOR TYPE N MORTAR, NET COMPRESSIVE STRENGTH FOR BLOCK SHALL BE GREATER THAN 2650 PSI.

7.5 ALL MASONRY SHALL BE NORMAL WEIGHT IN ACCORDANCE WITH ASTM C90.

7.6 GROUT COMPRESSIVE STRENGTH SHALL BE 2500 PSI AT 28 DAYS. GROUT SHALL ADDITIONALLY COMPLY WITH TABLE 7 OF ACI 530.1/ASCE 6/TMS 602 FOR DIMENSIONS OF GROUT SPACES AND POUR HEIGHTS. COURSE GROUT SHALL BE USED WHERE POSSIBLE.

7.7 MORTAR SHALL BE TYPE S OR M. TYPE N MORTAR ALLOWED ONLY IF THE CMU NET COMPRESSIVE STRENGTH IS GREATER THAN 2650 PSI.

7.8 ALL MASONRY SHALL BE STACK BOND, UNLESS NOTED.

7.9 ALL BLOCK CELLS AND CAVITIES BELOW GRADE SHALL BE FILLED WITH CONCRETE OR GROUT.

7.10 MASONRY REINFORCING LAP SPLICE LENGTHS PER SCHEDULE. SEE MASONRY LAP SPLICE LENGTHS TYPICAL DETAIL.

7.11 THE CONTRACTOR SHALL PROVIDE DETAILED SHOP DRAWINGS OF THE CMU REINFORCEMENT.

A. SHOP DRAWINGS SHALL INCLUDE AN ELEVATION VIEW OF EACH REINFORCED WALL WITH ALL VERTICAL AND HORIZONTAL REINFORCING AS WELL AS WALL OPENINGS/PENETRATIONS SHOWN. REINFORCING SHOP DRAWINGS NOT CONTAINING THESE ELEVATION DRAWINGS WILL BE RETURNED AS AN INCOMPLETE SUBMITTAL.

7.12 MODIFY CMU BLOCKS AS REQUIRED TO INSTALL REINFORCING AS NOTED / SHOWN.

7.13 CONTROL JOINTS IN CMU WALLS SHALL BE DISCONTINUOUS AT MASONRY BOND BEAMS. BOND BEAM REINFORCING SHALL EXTEND CONTINUOUS WITH 48 BAR DIAMETER LAPS AND CORNER BARS. SEE TYPICAL DETAILS FOR ADDITIONAL INFORMATION.

7.14 WHEN REINFORCING IS SPECIFIED, PROVIDE AT EACH SIDE OF CONTROL JOINTS, OPENINGS AND WALL ENDS.

7.15 EXTEND REBAR AT WALL OPENINGS A MINIMUM OF 2'-0" PAST THE OPENING AT ALL CORNERS, UNLESS NOTED. AT WINDOWS, PROVIDE A MINIMUM OF 2#4 BARS AT THE SILL OF THE WINDOWS.

7.16 AT CMU PARTITIONS OVER 8'-0" TALL, SUPPORTED BY SLAB ON GRADE, PROVIDE THICKENED SLAB PER TYPICAL DETAILS.

7.17 PROVIDE WALL TOP SUPPORT AT 8'-0" OC FOR ALL INTERIOR NON-LOAD BEARING CMU WALLS WHERE CONTINUOUS WALL SPAN BETWEEN PERPENDICULAR BRACING WALLS EXCEEDS 20'-0".

7.18 GROUT SHALL COMPLY WITH TABLE 7 OF ACI 530.1/ASCE 6/TMS 602 FOR DIMENSIONS OF GROUT SPACES AND POUR HEIGHTS.

7.19 PROVIDE HORIZONTAL JOINT REINFORCING IN REINFORCED MASONRY WALLS AS DIRECTED BY THE ARCHITECT. AT WALL CORNERS AND INTERSECTIONS, PROVIDE PREFABRICATED T AND L SHAPES, FIELD BENDING IS NOT PREMITTED. MINIMUM OF LADDER TYPE ZINC COATED CONFORMING TO ASTM A82 HOHMANN & BARNARD 220 LADDER-MESH OR EQUIVALENT AT EVERY OTHER BLOCK COURSE ABOVE FOOTING. REINFORCEMENT SHOULD CONSIST OF TWO OR MORE LONGITUDINAL WIRES, NO. 9 GAUGE OR LARGER, WELDED WITH NO. 9 GAUGE OR LARGER CROSS WIRES. LAP SPLICE HORIZONTAL JOINT REINFORCING A MINIMUM OF 12".

7.20 PROVIDE GROUT FILLED LINTEL BLOCK AT TOP OF ALL CMU WALLS REINFORCED WITH 2#4 BARS CONTINUOUS, UNLESS NOTED.

7.21 WHERE MASONRY WALLS SUPPORT EARTH ON BOTH SIDES, BACKFILL EACH SIDE SIMULTANEOUSLY.

7.22 WHERE TOP OF FOOTING SUPPORTING MASONRY WALLS IS MORE THAN 2'-8" BELOW FINISH FLOOR, PROVIDE #6@16, UP TO THE FINISH FLOOR ELEVATION, IN ADDITION TO SPECIFIED REINFORCEMENT.

7.23 CONDUITS OR CONDENSATE DRAIN LINES UP TO 2" IN OUTSIDE DIAMETER MAY EXTEND CONT THRU MASONRY BOND BEAMS. COORDINATE WITH MECHANICAL OR ELECTRICAL DRAWINGS FOR SIZE AND LOCATION. DO NOT INTERRUPT CONTINUOUS REINFORCING STEEL IN PLACEMENT OF DRAIN OR CONDUIT LINES.

7.24 THE MASONRY WALLS ARE "NON-SELF-SUPPORTING". ADEQUATE TEMPORARY SUPPORT MUST BE PROVIDED BY THE CONTRACTOR UNTIL REQUIRED CONNECTIONS OR ELEMENTS ARE IN PLACE. BRACING SHALL BE PER THE FOLLOWING, AND CONTRACTOR SHALL PROVIDE ADDED REINFORCING AND GROUT IF REQUIRED BY THE BRACING.

A. THE "2012 STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION".
B. THE "MASONRY WALL BRACING HANDBOOK" AS PUBLISHED BY THE MASONRY CONTRACTORS ASSOCIATION OF AMERICA (MCAA) SHOULD BE USED IN CONJUNCTION WITH THE "STANDARD PRACTICE".

7.25 PROVIDE 2 COURSES OF GROUT FILLED OPEN BOTTOM BOND BEAM BLOCKS REINFORCED WITH 2#5 BARS CONTINUOUS AT ALL STEEL STAIR ATTACHMENT LOCATIONS, UNLESS NOTED OTHERWISE. CONTRACTOR COORDINATE EXACT LOCATIONS WITH STEEL STAIR DESIGNER.

8.0 COLD-FORMED STEEL FRAMING

8.1 STRUCTURAL PROPERTIES OF STUDS AND JOISTS SHALL BE COMPUTED IN ACCORDANCE WITH AISI "SPECIFICATION FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".

8.2 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL COLD-FORMED STEEL FRAMING. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FRAMING LAYOUT, SIZES, SPACING, AND SECTIONS. THE GAGE OF THE STUDS, IF SHOWN, SHALL NOT BE REVISED UNLESS IT IS REQUIRED TO BE INCREASED AS DIRECTED BY THE COLD-FORMED STEEL DESIGN ENGINEER. COLD-FORMED STEEL FRAMING SHOP DRAWINGS AND DESIGN CALCULATIONS SHALL BE SUBMITTED FOR FILES OF THE STRUCTURAL ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE CONTRACTOR SHALL INCLUDE THE COST OF SHOP DRAWINGS AND CALCULATIONS, INCLUDING ENGINEERING FEES, IN THE BASE BID OF THE CONTRACT.

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H. Craig Winn, P.E.
10-24-2023

SHEET TITLE:
GENERAL NOTES

PROJ. MGR.: HCW
DRAWN: ABS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
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GENERAL NOTES CONTINUED

8.3 DEFLECTION LIMITS FOR MEMBERS:

A.	SOFFITS:	DL L/240	LL L/240 TL L/180
B.	WALL SUPPORTING BRICK:	HORIZONTAL DEFLECTION OF L/600	
C.	WALL SUPPORTING STUCCO:	HORIZONTAL DEFLECTION OF L/360	
D.	WALL SUPPORTING EIFS:	HORIZONTAL DEFLECTION OF L/240	
E.	WALL PARTITIONS:	HORIZONTAL DEFLECTION OF L/180	

8.4 COLD-FORMED STEEL FRAMING MEMBERS SHALL NOT BE SUPPORTED BY THE STEEL ROOF DECK.

8.5 COLD-FORMED STEEL FRAMING MEMBERS ABUTTING STRUCTURE SHALL HAVE VERTICAL SLIP TRACKS TO ACCOMMODATE UP TO 1-1/2" VERTICAL MOVEMENT UP OR DOWN.

8.6 PROVIDE WALL BRACING, CONNECTION DETAILS, WINDOW/DOOR HEADERS, ETC AS RECOMMENDED BY THE STUD MANUFACTURER FOR COLD-FORMED STEEL FRAMING MEMBERS.

8.7 TRACK SHALL BE SCREWED TO STUD WITH 2#8 TEK SCREWS EACH FLANGE, OR AS REQUIRED BY DESIGN.

8.8 PROVIDE SHOP DRAWINGS SHOWING PLANS, ELEVATIONS AND CONNECTION DETAILS AT ALL COLD-FORMED STEEL LOAD-BEARING STUD WALLS.

8.9 ALL CONNECTIONS OF THE COLD-FORMED STEEL FRAMING MEMBERS TO THE STRUCTURE SHALL BE FULLY DETAILED ON THE COLD-FORMED STEEL FRAMING SHOP DRAWINGS. ANY SPECIAL LOADING IMPOSED ON THE STRUCTURE SHALL BE CLEARLY INDICATED ON THE SHOP DRAWINGS.

9.0 PRE-MANUFACTURED COLD-FORMED STEEL TRUSSES

9.1 STRUCTURAL PROPERTIES OF FRAMING SHALL BE COMPUTED IN ACCORDANCE WITH AISI "NORTH AMERICAN STANDARD FOR COLD-FORMED STEEL FRAMING".

9.2 GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN OF ALL COLD FORMED STEEL TRUSSES AND RAFTERS, ALSO SEE SPECIFICATION 05400.

9.3 IN ADDITION TO PROVIDING THE COLD-FORMED STEEL TRUSS SYSTEM CALLED FOR IN THESE DOCUMENTS THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:

A. DESIGN OF THE TRUSS SYSTEM AND RAFTER SYSTEM, COLLECTIVELY THE 'TRUSSES'.

B. ENGINEERING PROVIDED BY MANUFACTURER SHALL BE A COMPLETE PACKAGE SIMILAR TO THE "WORKS" PACKAGE PROVIDED BY AEGIS METAL FRAMING OR EQUAL.

C. DESIGN OF ALL TRUSS COMPONENTS, TEMPORARY AND PERMANENT BRACING, TRUSS TO TRUSS CONNECTIONS, AND TRUSS TO STRUCTURE CONNECTIONS.

D. WHERE TRUSSES ARE SUPPORTED BY CONCRETE, AND THE TRUSS TO STRUCTURE CONNECTION DESIGNED BY THE CONTRACTOR CALLS FOR EMBED STEEL PLATES, SUCH PLATES SHALL ALSO BE DESIGNED BY THE CONTRACTOR. THE DESIGN SHALL MEET THE PROVISIONS OF ACI 318-14.

E. DIMENSIONED TRUSS FRAMING PLAN.

F. TRUSS ERECTION PLAN.

G. PLAN SHOWING LAYOUT AND DETAILS OF ANY TEMPORARY AND PERMANENT BRACING REQUIRED.

H. DETAILED AND DIMENSIONED PLAN SHOWING THE LOCATION AND TYPE OF EMBEDS OR CONNECTION MATERIAL REQUIRED TO ANCHOR THE TRUSSES TO THE STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS REQUIRED TO ANCHOR THE TRUSS TO THE STRUCTURE.

I. CALCULATIONS FOR THE ABOVE SHALL BE SUBMITTED FOR THE FILES OF THE ARCHITECT AND ENGINEER. CALCULATIONS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED. THE ENGINEER SHALL HAVE PERSONALLY SUPERVISED THE DESIGN AND PREPARATIONS OF THE CALCULATIONS. SHOP DRAWINGS CONTAINING CONNECTIONS FOR WHICH THESE CALCULATIONS HAVE NOT BEEN RECEIVED WILL BE RETURNED UNCHECKED AS AN INCOMPLETE SUBMITTAL.

9.4 TRUSS MANUFACTURER SHALL DESIGN FOR THE FOLLOWING SUPERIMPOSED LOADS:

A. TOP CHORD DEAD LOAD ----------10 PSF
B. BOTTOM CHORD DEAD LOAD ----------10 PSF
C. TOP CHORD LIVE LOAD ----------20 PSF

9.5 DEFLECTION LIMITS FOR MEMBERS:

A.	SOFFITS:	DL L/240	LL L/360 TL L/180
B.	ROOF:	DL L/240	LL L/360 TL L/180
C.	END WALL GABLE SUPPORTING BRICK:	HORIZONTAL DEFLECTION OF L/600	
D.	END WALL GABLE SUPPORTING STUCCO:	HORIZONTAL DEFLECTION OF L/360	
E.	END WALL GABLE SUPPORTING EIFS:	HORIZONTAL DEFLECTION OF L/240	

9.6 DESIGN TRUSSES TO RESIST THE WIND UPLIFT LOADING FROM THE COMPONENT AND CLADDING WIND LOAD TABLE PROVIDED IN THE TYPICAL DETAILS.

9.7 IN ADDITION TO THE ABOVE LOADS, TRUSSES SHALL BE DESIGNED FOR CONCENTRATED LOADS HUNG FROM OR SUPPORTED ON TRUSSES. REFER TO MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR LOADING INFORMATION AND LOCATION. LOADING AS REQUIRED BY OTHER SUBCONTRACTORS, SUCH AS FIRE PROTECTION, SHALL BE COORDINATED BY THE GENERAL CONTRACTOR.

9.8 ALL TEMPORARY AND PERMANENT BRACING MEMBERS AND CONNECTIONS REQUIRED FOR TRUSSES SHALL BE DETAILED ON THE TRUSS MANUFACTURER'S ERECTION PLANS. BRACING MEMBERS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

9.9 TEMPORARY BRACING SHALL NOT IMPOSE ANY FORCE ON THE SUPPORTING STRUCTURE. PERMANENT BRACING FORCES SHALL BE TRANSFERRED TO THE ROOF DIAPHRAGM BY THE BRACING DESIGN PROVIDED BY THE TRUSS MANUFACTURER.

9.10 WELDED CONNECTIONS: E60XX ELECTRODES, MINIMUM SIZE FILLET WELD 1/8". WELDING QUALIFICATION, PROCEDURES, AND PERSONNEL SHALL BE CERTIFIED ACCORDING TO AWS D1.3, THE STRUCTURAL WELDING CODE - SHEET STEEL.

10.0 POST-INSTALLED REINFORCING, ANCHORS AND FASTENERS

10.1 POST-INSTALLED ANCHORS AND/OR REINFORCING SHALL ONLY BE USED WHERE SPECIFIED ON THE CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER-OF-RECORD PRIOR TO INSTALLING POST-INSTALLED ANCHORS AND/OR REINFORCING IN PLACE OF MISSING OR MISPLACED CAST-IN-PLACE ANCHORS AND/OR REINFORCING.

10.2 THE BELOW PRODUCTS ARE THE DESIGN BASIS FOR THIS PROJECT. PRODUCT DIAMETER AND EMBEDMENT SHALL BE SHOWN IN THE DETAILS.

10.3 FOR ANCHORING INTO CONCRETE:

A. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.2 AND ICC-ES AC193 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-2713 & IAPMO-UES ER-493)
2. SIMPSON STRONG-TIE "STRONG-BOLT 2" (ICC-ES ESR-3037)
3. SIMPSON STRONG-TIE "TITEN-HD ROD HANGER" (ICC-ES ESR-2713)
4. SIMPSON STRONG-TIE "TITEN TURBO" (IAPMO-UES ER-712) - FOR UNCRACKED CONCRETE ONLY
5. HILTI KWIK HUS-EZ (KH-EZ), KH-EZ CRC, KH-EZ SS316, KH-EZ C, KH-EZ E, KH-EZ-I, AND KH-EZ P SCREW ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM (ICC ESR-3027)
6. HILTI KWIK BOLT-TZ2 EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A22 TOOL WITH ADAPTIVE TORQUE FOR APPLICABLE SIZES (ICC ESR-4266)
7. HILTI KWIK BOLT 1 EXPANSION ANCHOR SAFE SET SYSTEM WITH HOLLOW DRILL BIT AND VACUUM AND SI-AT-A22 TOOL WITH ADAPTIVE TORQUE FOR APPLICABLE SIZES (ICC ESR-678)
8. HILTI HDA UNDERCUT ANCHORS (ICC ESR 1546)
9. HILTI HSL-3 EXPANSION ANCHORS (ICC ESR 1545)
10. DEWALT SCREW-BOLT+ (ICC-ES ESR-3889)
11. DEWALT POWER-STUD+ SD2 (ICC-ES ESR-2502)
12. DEWALT POWER-STUD SD1 (ICC-ES ESR-2818)
13. DEWALT HANGERMATE+ (ICC-ES ESR-3889)
14. DEWALT ATOMIC+ UNDERCUT (ICC-ES ESR-3067)
15. DEWALT POWER-BOLT+ (ICC-ES ESR-3260)

B. MECHANICAL ANCHORS FOR USE IN THE UNDER SIDE OF NORMAL WEIGHT HOLLOW CORE AND POST TENSION SLAB WHERE EMBEDMENT DEPTH MUST NOT EXCEED ¾". PRE-APPROVED PRODUCTS INCLUDE:

1. DEWALT MINI-UNDERCUT+ (ICC-ES ESR-3912)
2. HILTI HDP-P TZ DROP-IN ANCHOR (ICC ESR-4236)

C. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE AND SEISMIC APPLICATIONS. DESIGN ADHESIVE BOND STRENGTH HAS BEEN BASED ON ACI 355.4 TEMPERATURE CATEGORY B WITH INSTALLATIONS INTO DRY HOLES DRILLED USING A CARBIDE DRILL BIT INTO CRACKED CONCRETE THAT HAS CURED FOR AT LEAST 21 DAYS. ADHESIVE ANCHORS REQUIRING CERTIFIED INSTALLATIONS, SUCH AS HORIZONTAL TO UPWARD INCLINED ORIENTATION UNDER SUSTAINED TENSION LOADING, SHALL BE INSTALLED BY A CERTIFIED ADHESIVE ANCHOR INSTALLER PER ACI 318-11 D.9.2.2. INSTALLATIONS REQUIRING CERTIFIED INSTALLERS SHALL BE INSPECTED PER ACI 318-11 D.9.2.4. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "SET-3G" (ICC-ES ESR-4057)
2. SIMPSON STRONG-TIE "AT-XP" (IAPMO-UES ER-263)
3. SIMPSON STRONG-TIE "SET-XP" (ICC-ES ESR-2508)
4. HILTI HIT-HY 200 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR (ICC ESR-3187)
5. HILTI HIT-RE 500 V3 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM WITH CONTINUOUSLY DEFORMED REBAR (ICC ESR-3814)
6. DEWALT PURE110+ FOR WARM WEATHER/SLOW CURE (ICC-ES ESR-3298); FOR ANCHORS AND REBAR: WHEN DEWALT DUSTX+ EXTRACTION SYSTEM IS USED, TRADITIONAL HOLE CLEANING METHODS USING STEEL BRUSHES AND COMPRESSED DRY AIR MAY BE COMPLETELY OMITTED PER ICC-ES ESR-3298
7. DEWALT AC200+ FOR COLD WEATHER/RAPID CURE (ICC-ES ESR-4027); FOR ANCHORS AND REBAR: WHEN DEWALT DUSTX+ EXTRACTION SYSTEM IS USED, TRADITIONAL HOLE CLEANING METHODS USING STEEL BRUSHES AND COMPRESSED DRY AIR MAY BE COMPLETELY OMITTED PER ICC-ES ESR-4027

D. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
2. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
3. HILTI "UNIVERSAL KNURLED SHANK FASTENERS" X-U (ICC ESR-2269)
4. DEWALT "POWER DRIVEN FASTENERS", POWDER ACTUATED (ICC-ES-ESR 2024)
5. DEWALT TRAK-IT C5, GAS ACTUATED (ICC-ES-ESR 3275)

10.4 FOR ANCHORING INTO MASONRY:

A. SOLID-GROUTED CONCRETE MASONRY

1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC01 OR ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE:
   a. SIMPSON STRONG-TIE "TITEN-HD" & "STAINLESS STEEL TITEN HD" (ICC-ES ESR-1056)
   b. SIMPSON STRONG-TIE "STRONG-BOLT 2" (IAPMO-UES ER-240)
   c. SIMPSON STRONG-TIE "WEDGE-ALL" (ICC-ES ESR-1396)
   d. SIMPSON STRONG-TIE "TITEN TURBO" (IAMPO-UES ER-716)
   e. HILTI KH-EZ, KH-EZ CRC, KH-EZ SS316, KH-EZ C, AND KH-EZ P SCREW ANCHORS (ICC ESR-3056)
   f. HILTI KWIK BOLT-1 EXPANSION ANCHOR (ICC ER-677)
   g. HILTI KWIK BOLT-TZ2 EXPANSION ANCHOR (ICC ESR-4561)
   h. DEWALT "SCREW-BOLT+" (ICC-ES ESR 4042)
   i. DEWALT "POWER-STUD+ SD1" (ICC-ES ESR 2966)
2. ADHESIVE FOR REBAR AND ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC58. PRE-APPROVED PRODUCTS INCLUDE:
   a. SIMPSON STRONG-TIE "AT-XP" (IAPMO-UES ER-281)
   b. SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-265)
   c. HILTI HIT-HY Z70 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR
   d. DEWALT AC100+ GOLD (ICC-ES ESR-3200)
3. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
   a. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
   b. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
   c. HILTI "UNIVERSAL KNURLED SHANK FASTENERS" X-U (ICC ESR-2269)
   d. DEWALT TRAK-IT C5, GAS ACTUATED (ICC-ES-ESR 3275)

B. HOLLOW CONCRETE MASONRY

1. MECHANICAL ANCHORS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC106. PRE-APPROVED PRODUCTS INCLUDE:
   a. SIMPSON STRONG-TIE "TITEN-HD" (ICC-ES ESR-1056)
   b. SIMPSON STRONG-TIE "TITEN TURBO" (IAPMO-UES ER-716)
2. ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED FOR USE IN ACCORDANCE WITH ICC-ES AC58. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED PRODUCTS INCLUDE:
   a. SIMPSON STRONG-TIE "SET-XP" (IAPMO-UES ER-265)
   b. HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
   c. DEWALT AC100+ GOLD (ICC-ES ESR-3200)
3. POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:
   a. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
   b. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
   c. HILTI "DRYWALL TRACK FASTENERS" X-DW (ICC ESR-1663)

C. UNREINFORCED BRICK MASONRY (URM): ADHESIVE FOR REBAR AND ANCHORS WITH SCREEN TUBES SHALL HAVE BEEN TESTED FOR USE IN ACCORDANCE WITH ICC-ES AC60. THE APPROPRIATE SCREEN TUBE SHALL BE USED AS RECOMMENDED BY THE ADHESIVE MANUFACTURER. PRE-APPROVED PRODUCTS INCLUDE:

1. SIMPSON STRONG-TIE "ET-HP" (ICC-ES ESR-3638)
2. HILTI HIT-HY 270 SAFE SET SYSTEM WITH HILTI HOLLOW DRILL BIT AND VACUUM (ICC ESR-4143); STEEL ANCHOR ELEMENT SHALL BE HILTI-HAS CONTINUOUSLY THREADED ROD OR CONTINUOUSLY DEFORMED STEEL REBAR. THE APPROPRIATE SIZE SCREEN TUBE SHALL BE USED PER ADHESIVE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS.
3. DEWALT "AC100+ GOLD" (ICC-ES ESR-4105)

10.5 FOR FASTENING INTO STEEL: POWER-ACTUATED FASTENERS SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ICC-ES AC70. PRE-APPROVED PRODUCTS INCLUDE:

A. SIMPSON STRONG-TIE "GAS ACTUATED PINS" (ICC-ES ESR-2811)
B. SIMPSON STRONG-TIE "POWDER ACTUATED PINS" (ICC-ES ESR-2138)
C. HILTI FASTENERS IN LIEU OF #12 TEK SCREWS:
   1. HILTI S-MD 12-24X1-5/8 HWH5 SCREWS FOR STUDS, JOISTS AND BEAMS 16 GA ≤ TF ≤ 1/4"
   2. HILTI X-HSN 24 PINS FOR JOISTS AND BEAM 1/8" ≤ TF ≤ 3/8"
   3. HILTI X-ENP 19 L15 PINS FOR BEAMS TF ≥ 1/4".
D. DEWALT "POWER DRIVEN FASTENERS", POWDER ACTUATED (ICC-ES-ESR 2024)
E. DEWALT TRAK-IT C5, GAS ACTUATED (ICC-ES-ESR 3275)

10.6 REFER TO THE PROJECT BUILDING CODE AND/OR EVALUATION REPORT FOR SPECIAL INSPECTIONS AND PROOF LOAD REQUIREMENTS.

10.7 SUBSTITUTION REQUESTS FOR PRODUCTS OTHER THAN THOSE LISTED MAY BE SUBMITTED BY THE CONTRACTOR TO THE EOR FOR REVIEW NO LESS THAN TWO WEEKS PRIOR TO BID. SUBSTITUTIONS WILL ONLY BE CONSIDERED FOR PRODUCTS HAVING A RESEARCH REPORT RECOGNIZING THE PRODUCT FOR THE APPROPRIATE APPLICATION UNDER THE PROJECT BUILDING CODE. SUBSTITUTION REQUESTS SHALL INCLUDE CALCULATIONS PREPARED & SEALED BY A REGISTERED PROFESSIONAL ENGINEER THAT DEMONSTRATE THE SUBSTITUTED PRODUCT IS CAPABLE OF ACHIEVING THE EQUIVALENT. ADHESIVE ANCHOR EVALUATION WILL ALSO CONSIDER CREEP, IN-SERVICE TEMPERATURE, AND INSTALLATION TEMPERATURE.

10.8 INSTALL ANCHORS PER THE MANUFACTURER'S PRINTED INSTALLATION INSTRUCTIONS (MPII), OR AS INCLUDED IN THE ANCHOR PACKAGING.

10.9 OVERHEAD ADHESIVE ANCHORS MUST BE INSTALLED USING THE MANUFACTURER'S INSTRUCTIONS AND INSTALLER MUST BE ACI CERTIFIED.

10.10 THE CONTRACTOR SHALL ARRANGE FOR AN ANCHOR MANUFACTURER'S REPRESENTATIVE TO PROVIDE ONSITE INSTALLATION TRAINING FOR ALL OF THEIR ANCHORING PRODUCTS SPECIFIED. THE STRUCTURAL ENGINEER OF RECORD MUST RECEIVE DOCUMENTED CONFIRMATION THAT ALL OF THE CONTRACTOR'S PERSONNEL WHO INSTALL ANCHORS ARE TRAINED PRIOR TO THE COMMENCEMENT OF INSTALLING ANCHORS.

10.11 THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S SPECIAL INSPECTION AGENCY FOR CONTINUOUS SPECIAL INSPECTION OF ADHESIVE ANCHORS AND PERIODIC INSPECTION OF MECHANICAL ANCHORS, SEE SPECIAL INSPECTION SCHEDULE FOR ADDITIONAL INFORMATION.

10.12 ANCHOR CAPACITY IS DEPENDANT UPON SPACING BETWEEN ADJACENT ANCHORS AND PROXIMITY OF ANCHORS TO EDGE OF CONCRETE. INSTALL ANCHORS IN ACCORDANCE WITH SPACING AND EDGE CLEARANCES INDICATED ON THE DRAWINGS.

10.13 EXISTING REINFORCING BARS AND/OR CONDUIT IN THE CONCRETE STRUCTURE MAY CONFLICT WITH SPECIFIC ANCHOR LOCATIONS. CARE SHALL BE TAKEN IN PLACING POST-INSTALLED ANCHORS AND/OR REINFORCING TO AVOID CONFLICTS WITH EXISTING REBAR AND/OR CONDUIT. UNLESS NOTED ON THE DRAWINGS THAT THE BARS CAN BE CUT, THE CONTRACTOR SHALL REVIEW THE EXISTING STRUCTURAL DRAWINGS AND SHALL UNDERTAKE TO LOCATE THE POSITION OF THE REINFORCING BARS AT THE LOCATIONS OF THE CONCRETE ANCHORS, BY GPR, X-RAY, HILTI PS 1000 X-SCAN, CHIPPING, OR OTHER MEANS.

11.0 PREFABRICATED CANOPY

11.1 PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE CONSIDERED A DEFERRED SUBMITTAL TO THE BUILDING INSPECTION AGENCY.

11.2 PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE FULLY ENGINEERED BY THE CANOPY MANUFACTURER AND CONTRACTOR UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

11.3 CALCULATIONS SHALL ACCOMPANY THE SHOP DRAWINGS AND SHALL INCLUDE DESIGN OF ALL WALKWAY/CANOPY SYSTEM COMPONENTS INCLUDING, BUT NOT LIMITED TO, FOOTINGS, MEMBERS, CONNECTIONS AND ATTACHMENT TO STRUCTURE.

11.4 PROTECTIVE COVER WALKWAY AND PREFABRICATED CANOPY SHOP DRAWINGS SHALL BE SUBMITTED TO INCLUDE A FULL DESCRIPTION OF ALL CANOPY MEMBERS, INCLUDING COLUMNS, BEAMS, FOOTINGS, FACIA, ETC, SHOP DRAWINGS SHALL BEAR THE SEAL OF A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHERE THE PROJECT IS LOCATED.

11.5 IF PROTECTIVE COVER WALKWAYS AND PREFABRICATED CANOPIES SHALL BE ATTACHED TO BUILDING, MINIMUM 16" DEEP BOND BEAM IS TO BE PROVIDED WITHIN THE LOAD-BEARING MASONRY WALL FOR WALKWAY AND CANOPY ANCHORAGE AS REQUIRED. MINIMUM 16" DEEP BOND BEAM IS TO BE CONSTRUCTED ON (2) 8" DEEP FORM BLOCKS WITH 2#5 CONTINUOUS IN EACH COURSE. CONNECTIONS TO BUILDING BY CANOPY MANUFACTURER, CONTRACTOR COORDINATE. DO NOT ANCHOR WALKWAY AND CANOPY TO VENEER. ANCHOR WALKWAY AND CANOPY INTO LOAD-BEARING MASONRY WALL WITH THREADED RODS IN PIPE SLEEVES. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL DRAWINGS.

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WILLIAMS
H. Craig Williams P.E.
12-14-2023

SHEET TITLE:
GENERAL NOTES CONTINUED

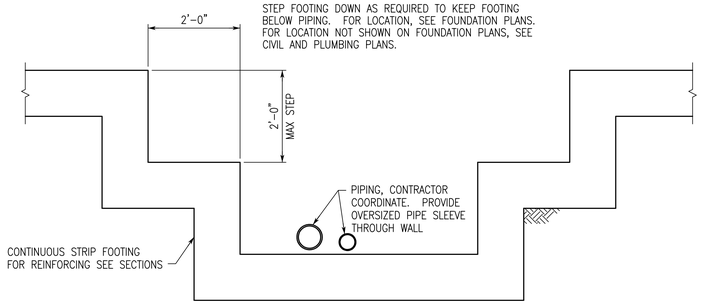
PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66
SHEET NO:
S1.1
2 OF 11

0 1" 2"

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5200
fax 205-824-5280
Job Number 23-211

LATHAN
ARCHITECTS



FOOTING/FOUNDATION WALL AT PIPING
TYPICAL

MASONRY REINFORCING LAP SPLICE LENGTHS		
BAR SIZE (#)	CENTERED (IN.)	EDGE (IN.)
3	18.0	18.0
4	24.0	29.0
5	30.0	45.0
6	43.0	54.0
7	60.0	63.0
8	72.0	72.0
9	82.0	82.0

NOTES:
1. LAP SPLICE LENGTHS APPLY TO BOTH HORIZONTAL AND VERTICAL REINFORCING.
2. REINFORCEMENT LARGER THAN NO. 9 BAR SHALL BE SPLICED USING MECHANICAL CONNECTIONS IN ACCORDANCE WITH ACI 530 & ACI 530.1.

LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE

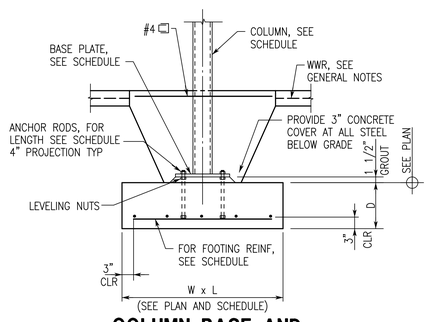
MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS AND REINFORCING		
	DEPTH	8" WALL	12" WALL
4'-0"	24	2#5 BOT & 2#5 TOP	2#5 BOT & 2#5 TOP
6'-0"	32	2#5 BOT & 2#5 TOP	2#6 BOT & 2#6 TOP
8'-0"	32	2#6 BOT & 2#6 TOP	2#6 BOT & 2#6 TOP
10'-0"	48	2#6 BOT & 2#6 TOP	2#6 BOT & 2#6 TOP
12'-0"	48	2#6 BOT & 2#6 TOP	2#6 BOT & 2#6 TOP

1. PROVIDE 24" MINIMUM BEARING FOR ALL LINTELS. FILL CELLS SOLID AT EACH SIDE OF OPENING AND REINFORCE WITH 1#5 BAR CONTINUOUS. (JAMB BARS OF SAME SIZE AS VERTICAL WALL REINFORCING BARS.)
2. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.
3. PROVIDE 8" DEEP BOND BEAM REINFORCED WITH 2#5 CONT AT BOTTOM OF ALL OPENINGS. EXTEND 24" PAST OPENING ON EACH SIDE OF OPENING.

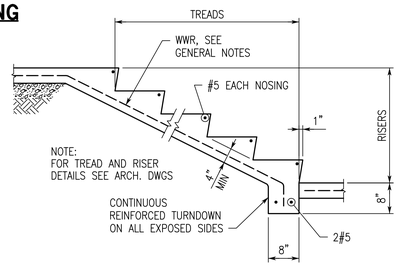
NON-LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE

MAXIMUM OPENING WIDTH	LINTEL DIMENSIONS AND REINFORCING				
	DEPTH	8" WALL		12" WALL	
		REINFORCING	MAX HEIGHT OF WALL ABOVE LINTEL	REINFORCING	MAX HEIGHT OF WALL ABOVE LINTEL
2'-0"	8	1#4 BOT	20'-0"	1#4 BOT	22'-0"
4'-0"	8	1#4 BOT	10'-0"	2#4 BOT	9'-4"
6'-0"	8	1#5 BOT & 1#4 TOP	4'-0"	2#5 BOT & 2#4 TOP	4'-8"
8'-0"	16	1#6 BOT & 1#5 TOP	15'-4"	2#5 BOT & 2#4 TOP	16'-0"
10'-0"	16	1#7 BOT & 1#5 TOP	10'-0"	2#6 BOT & 2#4 TOP	12'-0"
12'-0"	16	1#8 BOT & 1#5 TOP	7'-4"	2#7 BOT & 2#5 TOP	10'-8"

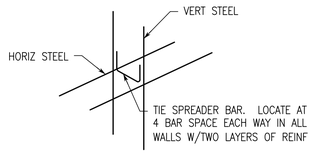
1. DO NOT USE THIS SCHEDULE IF WALL IS LOAD BEARING SUPPORTING ANYTHING OTHER THAN WALL WEIGHT ONLY. IF WALL IS LOAD BEARING USE THE LOAD BEARING STACK BOND MASONRY LINTEL SCHEDULE.
2. PROVIDE 2'-0" MINIMUM BEARING FOR ALL LINTELS. FILL CELLS SOLID AT EACH SIDE OF OPENING AND REINFORCE WITH 1#5 BAR CONTINUOUS.
3. WHERE MAXIMUM HEIGHT OF WALL ABOVE LINTEL IS EXCEEDED, PROVIDE ADDITIONAL LINTELS EQUALLY SPACED ABOVE TO LIMIT WALL HEIGHTS ABOVE LINTEL TO THAT SHOWN IN THE TABLE ABOVE.
4. SHORE LINTEL UNTIL MORTAR AND GROUT HAVE SET AND CURED.
5. PROVIDE 8" DEEP BOND BEAM REINFORCED WITH 2#4 CONT AT BOTTOM OF ALL OPENINGS. EXTEND 2'-0" PAST OPENING ON EACH SIDE OF OPENING.



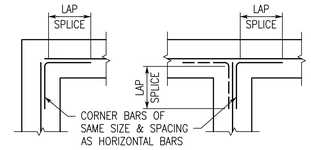
COLUMN BASE AND FOOTING DETAIL
TYPICAL



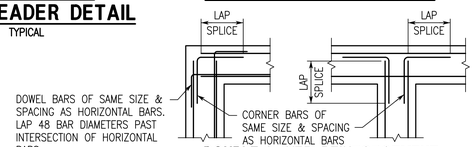
STAIR ON GRADE DETAIL
TYPICAL



WALL STEEL TIE-SPREADER DETAIL
TYPICAL



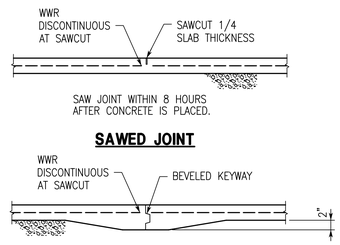
SINGLE LAYER REINFORCEMENT



DOUBLE LAYER REINFORCEMENT

NOTE: ALL LAP SPLICES CLASS "B" TENSION

WALL AND FOOTING CORNER REINFORCING DETAIL
TYPICAL



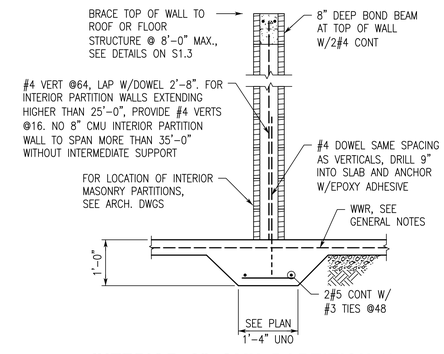
SAWED JOINT

KEYED JOINT

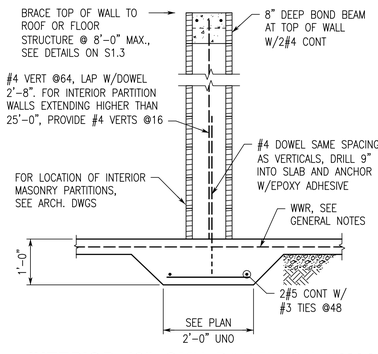
SLAB CONTROL JOINT DETAILS
TYPICAL
JOINT TYPE IS OPTIONAL

VENEER LINTEL SCHEDULE	
MAXIMUM OPENING WIDTH	STEEL FOR EACH 4" OF WALL THICKNESS
2'-0"	L6x6x3/8
4'-0"	L6x6x3/8
6'-0"	L6x6x3/8
8'-0"	L6x6x3/8
LARGER	NOTE 3

1. PROVIDE 8" MINIMUM BEARING FOR ALL LINTELS.
2. ALL EXPOSED LINTEL ANGLES TO BE HOT DIP GALVANIZED.
3. ANCHOR L8x6x7/16 ANGLE (LLV) TO WALL WITH 3/4"ø HILTI KWIK HUS-EZ SCREW ANCHORS (6 1/4" EFFECTIVE EMBEDMENT) @24 ON CENTER IN LONG HORIZONTAL SLOTS. ANCHORS TO BE INSTALLED 6" UP FROM BOTTOM OF HORIZONTAL LEG.
4. CONTRACTOR TO COORDINATE DIMENSION OF OUTSTANDING LEG WITH MINIMUM VENEER SUPPORT REQUIREMENT(S) AND WITH DETAILS INDICATED ON ARCH. DWGS.

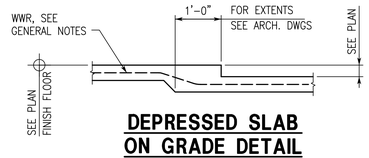


INTERIOR 8" CMU PARTITION WALL ON THICKENED SLAB ON GRADE DETAIL
TYPICAL

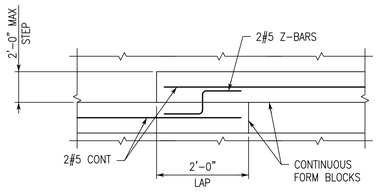


INTERIOR 12" CMU PARTITION WALL ON THICKENED SLAB ON GRADE DETAIL
TYPICAL

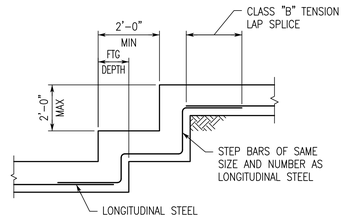
NOTE:
CONTRACTOR COORDINATE W/ARCHITECT FOR ALL DEPRESSED SLAB AREAS BEFORE SLAB ON GRADE IS PLACED.



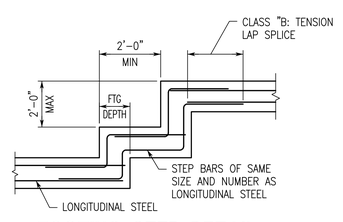
DEPRESSED SLAB ON GRADE DETAIL
TYPICAL



MASONRY BOND BEAM STEP DETAIL
TYPICAL

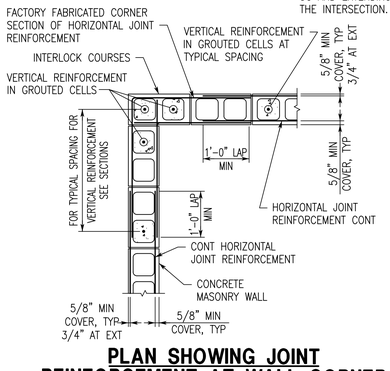


FOOTING STEP DETAIL
TYPICAL

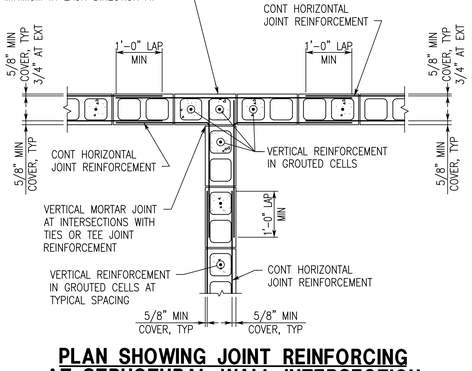


FOOTING STEP DETAIL
TYPICAL

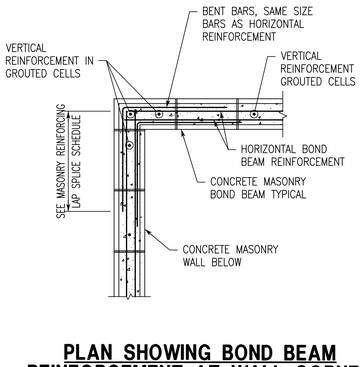
ANCHOR WALLS BY:
1. INTERSECTING 50% OF UNITS OVERLAPPING WITH ALTERNATE UNITS BEARING 3" MINIMUM ON THE UNIT BELOW.
2. GALV PL 1/4x1 1/2x2'-4" TIE @ 4'-0" OC WITH ENDS BENT 2", ALTERNATING ENDS UP AND DOWN.
3. FACTORY FABRICATED TEE JOINT REINFORCING SPACED 8" OC AND EXTENDING 30" MINIMUM IN EACH DIRECTION AT THE INTERSECTION.



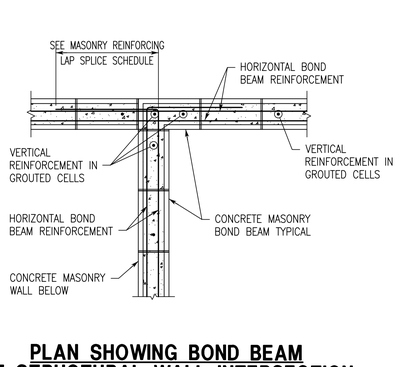
PLAN SHOWING JOINT REINFORCEMENT AT WALL CORNER
TYPICAL



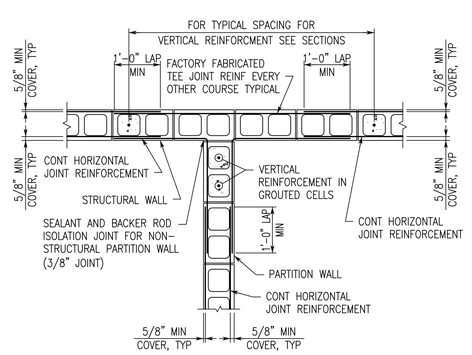
PLAN SHOWING JOINT REINFORCING AT STRUCTURAL WALL INTERSECTION
TYPICAL



PLAN SHOWING BOND BEAM REINFORCEMENT AT WALL CORNER
TYPICAL



PLAN SHOWING BOND BEAM AT STRUCTURAL WALL INTERSECTION
TYPICAL



PARTITION WALLS ABUTTING STRUCTURAL WALLS
TYPICAL

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WILLIAMS
H. CRAIG WILLIAMS, P.E.
10-24-2023

SHEET TITLE:
TYPICAL DETAILS

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66

SHEET NO:
S1.2
3 OF 11

0 1" 2"

SDG
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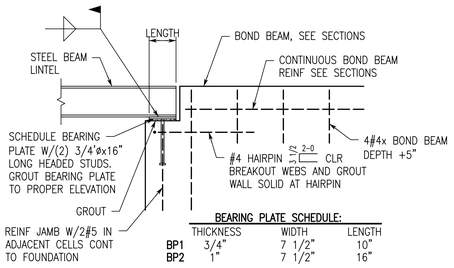
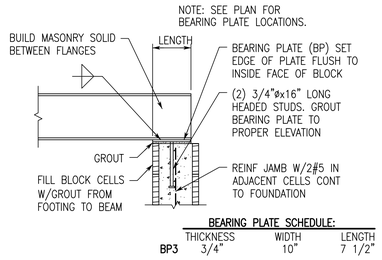
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5200
fax 205-824-5280
Job Number 23-211

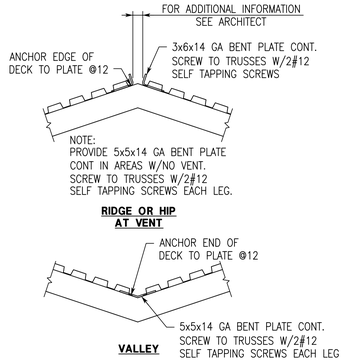


BEAM BEARING DETAIL IN LINE WITH CMU WALL
TYPICAL

EMBED PLATE SCHEDULE		
TYPE	PLATE SIZE	HEADED STUDS
EP1	3/4x18x3'-4"	(15) 1"ø x8"
EP2	3/4x12x2'-0"	(6) 1"ø x8"
EP3	3/4x12x1'-4"	(4) 1"ø x8"
EP4	3/4x18x3'-4"	(15) 1"ø x12"
EP5	3/4x12x2'-0"	(6) 1"ø x6"



BEAM BEARING DETAIL
TYPICAL



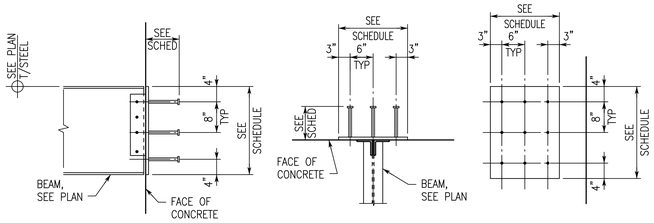
RIDGE, HIP AND VALLEY SUPPORTS FOR METAL DECK
TYPICAL

COMPONENTS AND CLADDING WIND LOADS FOR WALLS (PSF)			
H = 68'-0"	EFFECTIVE WIND AREA (FT2)	106 MPH ULTIMATE DESIGN WIND SPEED	
INT. ZONE	10	32.0	-34.7
	20	30.6	-33.3
	50	28.7	-31.4
	100	27.2	-30.0
	200	25.8	-28.5
	500	23.9	-26.6
EDGE ZONE	10	32.0	-42.9
	20	30.6	-40.0
	50	28.7	-36.2
	100	27.2	-33.3
	200	25.8	-30.4
	500	23.9	-26.6

NOTES:
1. WIDTH OF EDGE STRIP, a = 11'-10".
2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-10 STANDARD TABLE 30.3-1 AND IMPORTANCE FACTOR.
3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH.
5. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.

COMPONENTS AND CLADDING WIND LOADS FOR ROOF (PSF)			
H = 46'-0" Flat Roof	EFFECTIVE WIND AREA (FT2)	106 MPH ULTIMATE DESIGN WIND SPEED	
INT. ZONE	10	16.0	-31.1
	20	16.0	-30.3
	50	16.0	-29.2
	100	16.0	-28.4
	200	16.0	-28.4
	500	16.0	-28.4
EDGE ZONE	10	16.0	-52.1
	20	16.0	-46.5
	50	16.0	-39.2
	100	16.0	-33.7
	200	16.0	-33.7
	500	16.0	-33.7
CORNER ZONE	10	16.0	-78.4
	20	16.0	-64.9
	50	16.0	-47.1
	100	16.0	-33.7
	200	16.0	-33.7
	500	16.0	-33.7

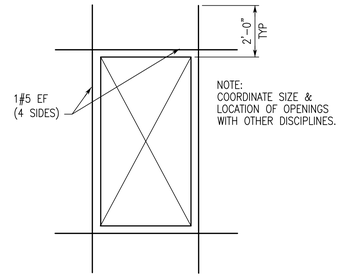
NOTES:
1. WIDTH OF EDGE STRIP, a = 8'-4".
2. VALUES SHOWN ABOVE HAVE BEEN ADJUSTED FOR BUILDING HEIGHT AND EXPOSURE ACCORDING TO ASCE 7-10 STANDARD TABLE 30.3-1 AND IMPORTANCE FACTOR.
3. PLUS AND MINUS SIGNS SIGNIFY PRESSURES ACTING TOWARD AND AWAY FROM THE BUILDING SURFACES.
4. EFFECTIVE WIND AREA IS THE SPAN LENGTH MULTIPLIED BY AN EFFECTIVE WIDTH THAT NEED NOT BE LESS THAN ONE-THIRD THE SPAN LENGTH.
5. CONSIDER 5 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF JOISTS AND 2 PSF MINIMUM DEAD LOAD FOR UPLIFT CALCULATIONS FOR ROOF DECK.
6. WIND PRESSURES IN THESE TABLES SHALL BE MULTIPLIED BY 0.6 TO OBTAIN NOMINAL WIND PRESSURES.



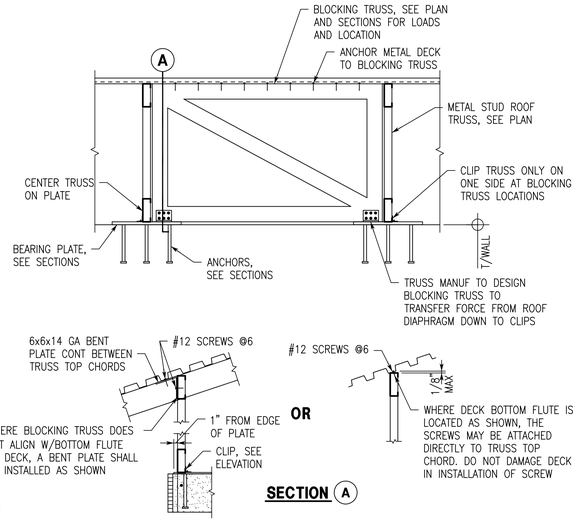
SECTION PLAN ELEVATION

NOTE:
BEAM CONNECTION TO BE FIELD WELDED TO EMBED PLATE. CONNECTION DESIGN BY CONTRACTOR. CONTRACTOR TAKE EXTREME CARE NOT TO OVER HEAT EMBED PLATE DURING WELDING PROCESS.

EMBED PLATE DETAIL AND SCHEDULE
TYPICAL



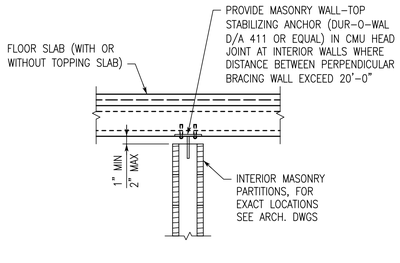
WALL OPENING REINFORCMENT DETAIL
TYPICAL

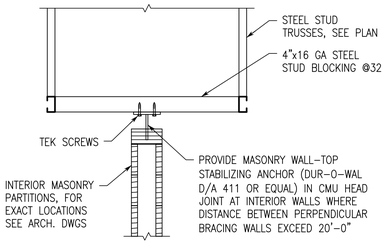


METAL TRUSS BLOCKING TRUSS DETAIL
NOT TO SCALE
ALTERNATE CONDITION

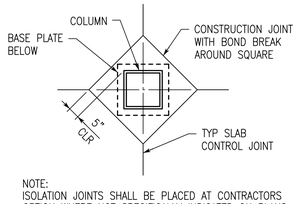
TENSION LAP SPLICE LENGTHS								
BAR SIZE	f_c= 3000 PSI				f_c= 4000 PSI			
	TOP BARS		OTHER BARS		TOP BARS		OTHER BARS	
	A	B	A	B	A	B	A	B
#3	22"	28"	17"	22"	19"	24"	15"	19"
#4	29"	37"	22"	29"	25"	32"	19"	25"
#5	36"	47"	28"	36"	31"	40"	24"	31"
#6	43"	56"	33"	43"	37"	48"	29"	37"
#7	63"	81"	48"	63"	54"	70"	42"	54"
#8	72"	93"	55"	72"	62"	80"	48"	62"
#9	81"	105"	62"	81"	70"	91"	54"	70"
#10	91"	118"	70"	91"	79"	102"	61"	79"
#11	101"	131"	78"	101"	87"	113"	67"	87"

NOTES:
1. TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.
2. FOR TENSION LAP SPLICE LENGTHS FOR 3500 PSI CONCRETE, USE LENGTHS DESIGNATED FOR 3000 PSI CONCRETE.



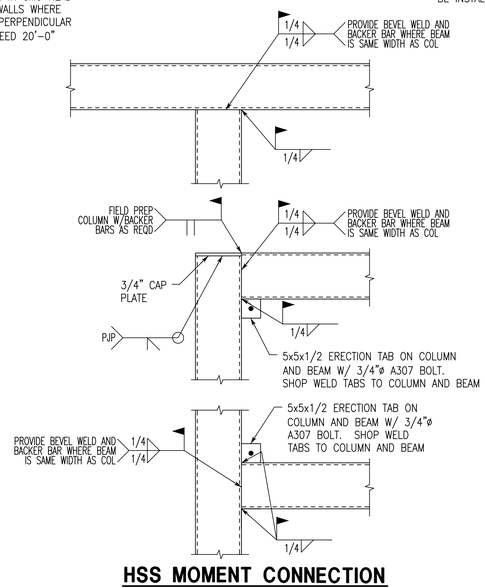


INTERIOR MASONRY WALL BRACING DETAILS
TYPICAL



NOTE:
ISOLATION JOINTS SHALL BE PLACED AT CONTRACTORS OPTION WHERE NOT SPECIFICALLY INDICATED ON PLANS.

ISOLATION JOINT DETAIL
TYPICAL



HSS MOMENT CONNECTION
3/4"=1'-0"

PIPING WEIGHTS				
PIPE DIAMETER	PIPE WT PER/FOOT (PLF)	FLUID WT PER/FOOT (PLF)	INSULATION & HANGERS (PLF)	TOTAL WT PER/FOOT (PLF)
4"	10.80	6.10	2.00	18.90
6"	19.00	13.80	3.00	35.80
8"	28.60	23.90	4.00	56.50
10"	40.50	37.50	4.00	82.00
12"	49.60	54.00	5.00	108.60
14"	54.60	65.70	5.00	125.30
16"	62.60	87.10	5.00	154.70

NOTES:
1. FROM ANVIL INTERNATIONAL PIPE FITTERS HANDBOOK.
2. ALL PIPES ASSUMED TO BE SCHEDULE 40.
3. FLUID WEIGHT INCLUDES ALLOWANCE FOR GLYCOL CONCENTRATION.
4. PIPING SUPPORT AND THRUST BRACING REQUIREMENTS SHALL BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE STEEL/JOIST FABRICATOR. SEE MECHANICAL/PLUMBING DRAWINGS FOR PIPING SUPPORT AND THRUST BRACING REQUIREMENTS.
5. FOR PIPE SIZES NOT LISTED, CONTACT STRUCTURAL ENGINEER.

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WILLIAMS
H. Craig Williams, P.E.
10-24-2023

SHEET TITLE:
TYPICAL DETAILS

PROJ. MGR.: HCW
DRAWN: ABS
DATE: OCTOBER 24, 2023
REVISIONS

JOB NO. 23-66
SHEET NO:
S1.3
4 OF 11

SDG
STRUCTURAL DESIGN GROUP
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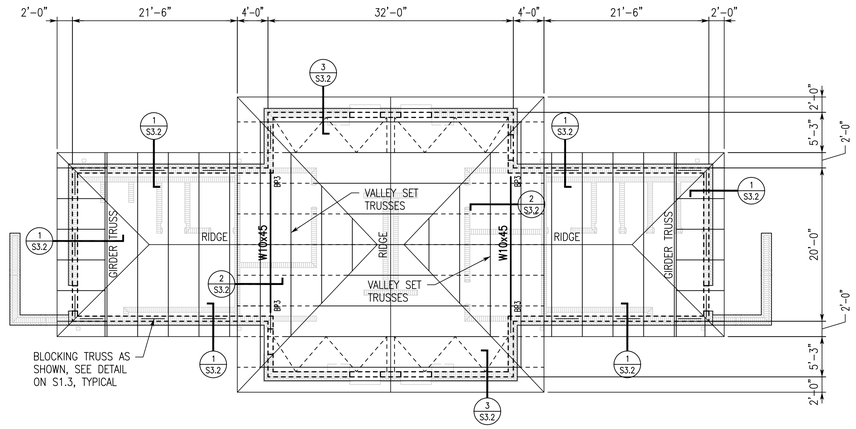
Job Number 23-211

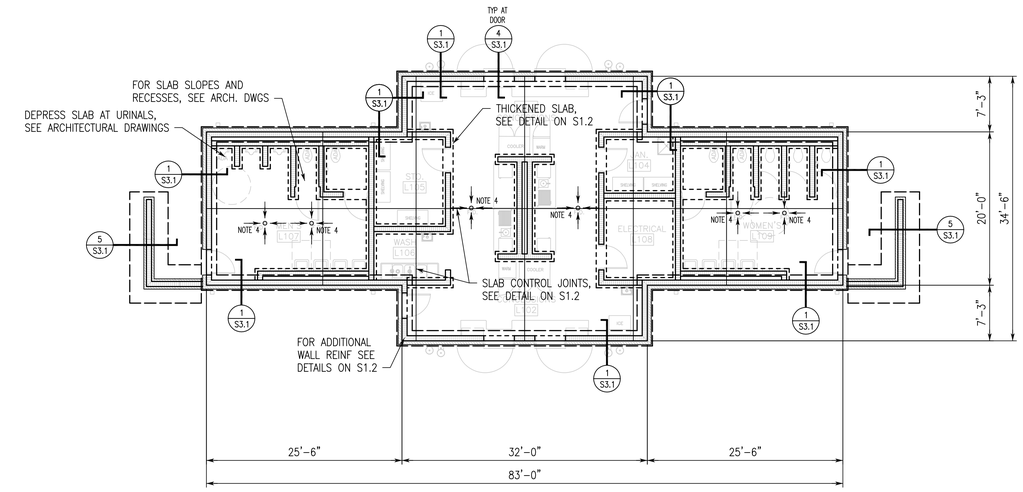


PROJECT NORTH

CONCESSIONS STAND ROOF FRAMING PLAN

1/8"=1'-0"

1. TRUSS BEARING ELEVATION 9'-4" ABOVE MAIN FINISHED FLOOR, UNLESS NOTED.
2. ROOF SYSTEM: 1 1/2" x 22 GA GALV METAL DECK ON PRE-MANUFACTURED METAL STUD TRUSSES AT 4'-0" MAXIMUM ON CENTER. SEE GENERAL NOTES. ANCHOR METAL DECK TO TRUSSES WITH #12 SCREWS IN 36/4 PATTERN WITH 3#10 SIDELAP SCREWS BETWEEN TRUSSES.
3. TOP OF CMU IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
4. TRUSS MANUFACTURER TO COORDINATE DRAFT STOP TRUSS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
5. FOR WALL LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
6. GENERAL CONTRACTOR SHALL COORDINATE THE LOAD MAGNITUDE AND LOCATION OF ANY EQUIPMENT SUPPORTED FROM THE METAL STUD TRUSSES. THESE LOADS AND LOCATIONS ARE TO BE SHOWN ON THE TRUSS SHOP DRAWINGS. ANY ATTACHMENT OF EQUIPMENT TO THE TRUSSES SHALL BE BY THE EQUIPMENT SUPPLIERS.
7. PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.2.
8. GENERAL CONTRACTOR SHALL COORDINATE METAL STUD TRUSS LAYOUT WITH MECHANICAL EQUIPMENT DUCT LOCATIONS.
9. TRUSS MANUFACTURER TO PROVIDE ALL MISC STEEL CLOSURE PLATES, SUCH AS RIDGE, HIP AND VALLEY PLATES.
10. BLOCKING TRUSS/PLATE SHALL BE LOCATED AS SHOWN ON PLAN. TRUSS/PLATE SHALL BE DESIGNED BY TRUSS MANUFACTURER TO TRANSFER 2000 LBS (SERVICE) OF FORCE DOWN TO TOP OF WALL. SEE DETAIL ON S1.3. ANCHOR TOP CHORD OF BLOCKING TRUSS TO ROOF DECK AS DIRECTED BY TRUSS MANUFACTURER TO TRANSFER 500 LBS/FT (SERVICE OF SHEAR FORCE.
11. HANGER LOCATIONS FOR PIPING LARGER THAN 3 INCHES IN DIAMETER MUST BE COORDINATED BY THE GENERAL CONTRACTOR WITH THE TRUSS MANUFACTURER. FOR PIPING WEIGHTS, SEE TYPICAL DETAIL ON S1.3.
12. BLOCKING TRUSSES/PLATES, BRIDGING, PERMANENT BRACING, MISCELLANEOUS STEEL CLOSURE PLATES, ETC. SHALL BE DESIGNED AND INDICATED ON THE TRUSS LAYOUT SHOP DRAWINGS. FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES.
13. CONTRACTOR NOTE: ALL MECHANICAL OPENING SIZES AND LOCATIONS IN LOAD BEARING MASONRY WALL SHOULD BE COORDINATED BY THE CONTRACTOR AND INDICATED ON THE MASONRY WALL REINFORCING SHOP DRAWINGS.
14. METAL STUD SUPPORT FRAMING SHALL BE DESIGNED BY CONTRACTOR TO SUPPORT INTAKE HOODS, RELIEF HOODS, ETC. CONTRACTOR SHALL ENGAGE METAL STUD ENGINEER AND PROVIDE CALCULATIONS AND SHOP DRAWINGS FOR ALL NECESSARY METAL STUD FRAMING DESIGNS.



PROJECT NORTH

CONCESSIONS STAND FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND SLOPES LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WILLIAMS
H. Craig Williams, P.E.
12-14-2023

SHEET TITLE:
CONCESSIONS FOUNDATION AND ROOF FRAMING PLAN

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66

SHEET NO:
S2.1
5 OF 11

0 1" 2"

SDG
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Job Number 23-211

1.0 WOOD CONSTRUCTION

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1.4 ALL SCREWS, BOLTS, AND NAILS FOR USE WITH PRESERVATIVE TREATED WOOD SHALL BE HOT-DIPPED ZINC-COATED GALVANIZED STEEL OR STAINLESS STEEL. FASTENERS TO BE HOT-DIPPED GALVANIZED SHALL MEET THE REQUIREMENTS OF ASTM a153, CLASS D FOR 3/8" DIAMETER OR SMALLER AND CLASS C FOR FASTENERS WITH DIAMETERS OVER 3/8".

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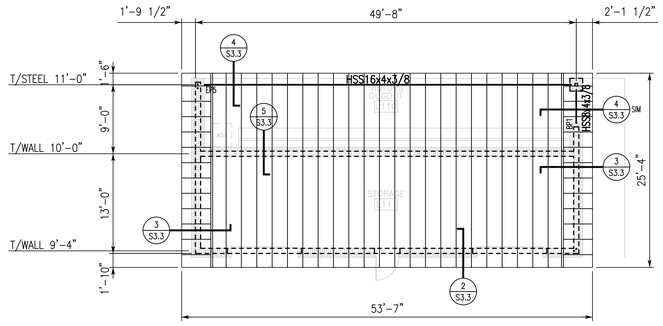
1.12 ROOF SHEATHING NAILING, UNLESS NOTED: 8d NAILS AT 6 INCHES AT ALL FOUR PANEL EDGES AND AT 12 INCHES AT INTERMEDIATE SUPPORTS

1.13 HORIZONTAL WOOD FRAMING MEMBERS: #2 SOUTHERN PINE, UNLESS NOTED OTHERWISE.

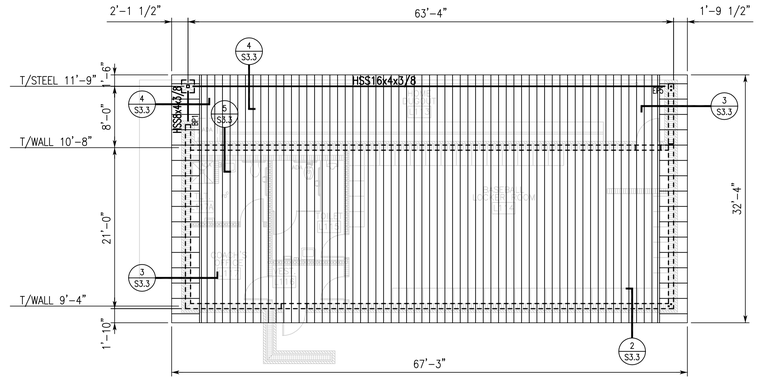


PROJECT NORTH

BASEBALL VISITOR DUGOUT ROOF FRAMING PLAN

1/8"=1'-0"

1. ROOF SYSTEM: 2x10 ROOF JOISTS @24" O.C., SEE NOTES THIS SHEET.
2. ROOF SHEATHING: 3/4" PLYWOOD, SEE NOTES THIS SHEET.
3. DETAILS SHOWN ARE TYPICAL FOR THE ENTIRE BUILDING.
4. TOP OF CMU IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
5. TRUSS MANUFACTURER TO COORDINATE DRAFT STOP TRUSS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
6. FOR WALL LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
7. PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.2.
8. "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAIL ON S1.3.



PROJECT NORTH

BASEBALL HOME DUGOUT ROOF FRAMING PLAN

1/8"=1'-0"

1. ROOF SYSTEM: 2x10 ROOF JOISTS @12" O.C., SEE NOTES THIS SHEET.
2. ROOF SHEATHING: 3/4" PLYWOOD, SEE NOTES THIS SHEET.
3. DETAILS SHOWN ARE TYPICAL FOR THE ENTIRE BUILDING.
4. TOP OF CMU IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
5. TRUSS MANUFACTURER TO COORDINATE DRAFT STOP TRUSS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
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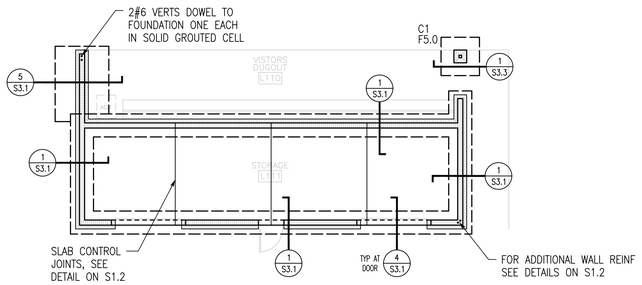
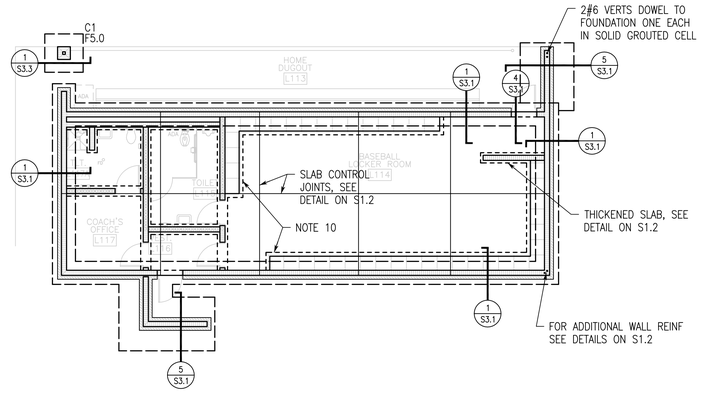


PROJECT NORTH

BASEBALL VISITOR DUGOUT FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND SLOPE LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. C1 INDICATES HSS4x4x3/8 COLUMN W/ 3/4x10x10 BP W/ (4)3/4"Ø ANCHOR RODS 9" EMBEDMENT. HOT DIP GALVANIZED COLUMN ASSEMBLY.
9. F5.0 INDICATES 5'-0"x5'-0"x1'-0" FOUNDATION REINFORCE W/5#5 EW T&B.



PROJECT NORTH

BASEBALL HOME DUGOUT FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND SLOPE LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
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8. C1 INDICATES HSS4x4x3/8 COLUMN W/ 3/4x10x10 BP W/ (4)3/4"Ø ANCHOR RODS 9" EMBEDMENT. HOT DIP GALVANIZED COLUMN ASSEMBLY.
9. F5.0 INDICATES 5'-0"x5'-0"x1'-0" FOUNDATION REINFORCE W/5#5 EW T&B.
10. 4" THICK CONCRETE CURB. REINFORCE W/ #5@12 EW CENTERED IN CURB. SUPPORT WITH THICKENED SLAB, SEE DETAIL ON S1.2

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WINN
H. Craig Winn, P.E.
10-24-2023

SHEET TITLE:
BASEBALL HOME/VISITOR DUGOUT FOUNDATION AND ROOF FRAMING PLAN

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	OCTOBER 24, 2023
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JOB NO. 23-66

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6 OF 11

0 1" 2"

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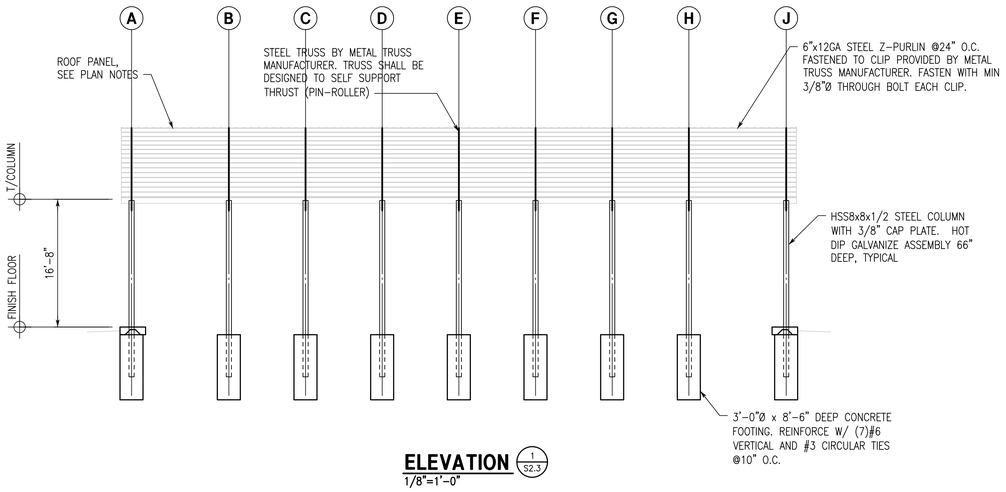
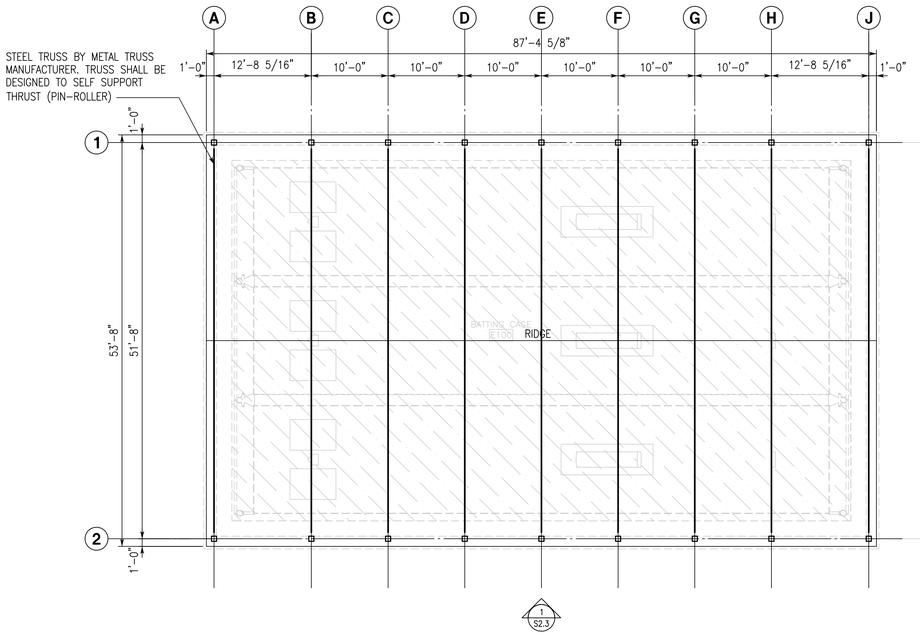


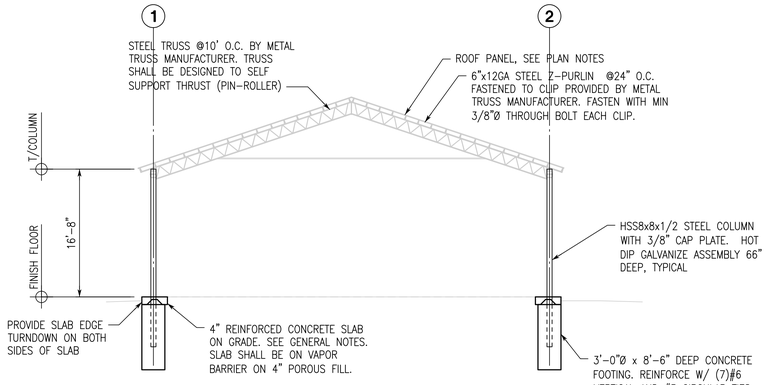
ELEVATION (1/S2.3)
1/8"=1'-0"



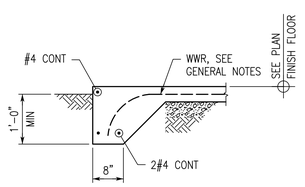
PROJECT NORTH

BASEBALL/SOFTBALL BATTING CAGES ROOF FRAMING PLAN
1/8"=1'-0"

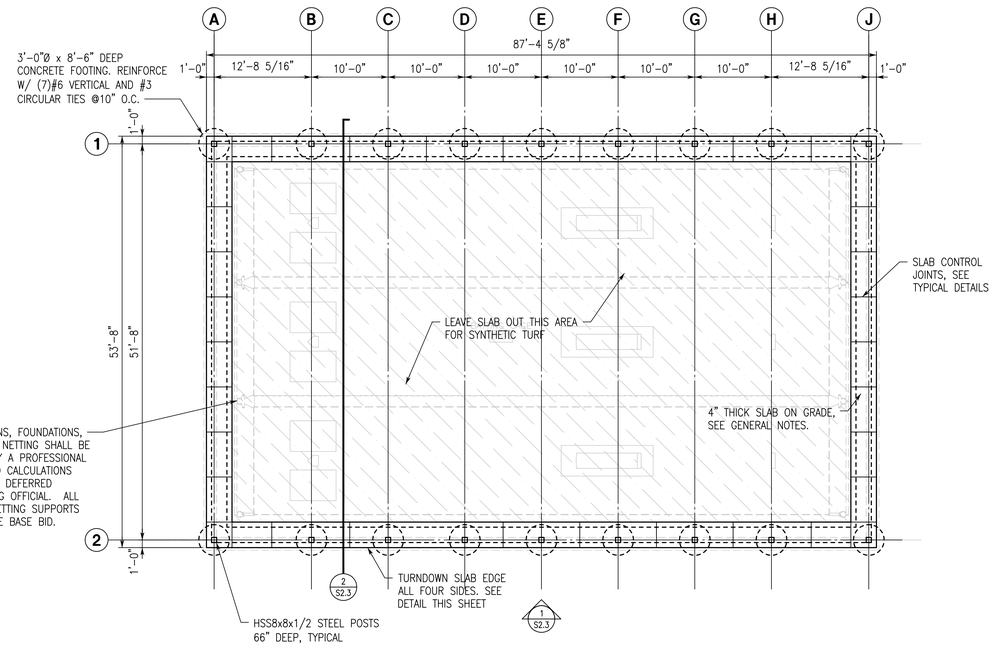
1. TRUSS BEARING ELEVATION 16'-8" ABOVE MAIN FINISHED FLOOR, UNLESS NOTED.
   * CONTRACTOR SHALL COORDINATE BEARING HEIGHT OF TRUSSES WITH TRUSS SUPPLIER TO MAINTAIN CLEARANCE OF 2'-0" MINIMUM BETWEEN TOP OF NET AND BOTTOM OF TRUSS.
2. TRUSS TO BE DESIGNED BY MANUFACTURER. TRUSS SHALL BE DESIGNED TO SELF SUPPORT THRUST (PIN-ROLLER) FOLLOWING ERECTION. TRUSS MANUFACTURER TO PROVIDE SEAL SHOP DRAWINGS AND CALCULATIONS FOR TRUSS. TRUSS SHALL BE DESIGNED FOR 100 POUNDS MAXIMUM NET HORIZONTAL THRUST UNDER GRAVITY CONDITIONS AT COLUMNS. CONTRACTOR NOTE THAT STANDARD POLE BARN TYPE SCISSOR TRUSSES WILL NOT BE ADEQUATE AND THIS WILL BE A SPECIAL DESIGN. ALL ENGINEERING COSTS SHALL BE INCLUDED IN BASE BID.
3. ROOF SYSTEM: 26.GA. R-PANEL METAL ROOFING ON 6" DEEP STEEL Z-PURLINS @24. ATTACH PER MANUFACTURER STANDARDS.



SECTION (2/S2.3)
1/8"=1'-0"



SLAB EDGE DETAIL
TYPICAL



PROJECT NORTH

BASEBALL/SOFTBALL BATTING CAGES FOUNDATION PLAN
1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
3. HSS GRADE 500 STEEL COLUMNS. HOT DIP GALVANIZE ASSEMBLY.
4. CONCRETE SHALL BE 3500 PSI AIR ENTRAINED CONCRETE @28 DAYS
5. REBAR SHALL BE GRADE 60 REINFORCING BARS.
6. TOP OF DRILL PIER AT -1'-0" BELOW FINISH FLOOR.

LATHAN ARCHITECTS

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ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WINN
H. Craig Winn, P.E.
10-24-2023

SHEET TITLE:
BASEBALL/SOFTBALL BATTING CAGES FOUNDATION AND ROOF FRAMING PLAN

PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	OCTOBER 24, 2023
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JOB NO. 23-66

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S2.3
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0 1" 2"

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Job Number 23-211

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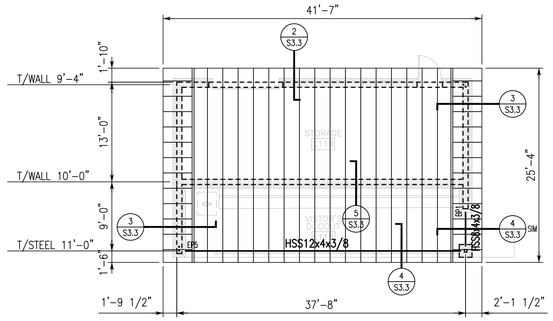
1.12 ROOF SHEATHING NAILING, UNLESS NOTED: 8d NAILS AT 6 INCHES AT ALL FOUR PANEL EDGES AND AT 12 INCHES AT INTERMEDIATE SUPPORTS

1.13 HORIZONTAL WOOD FRAMING MEMBERS: #2 SOUTHERN PINE, UNLESS NOTED OTHERWISE.

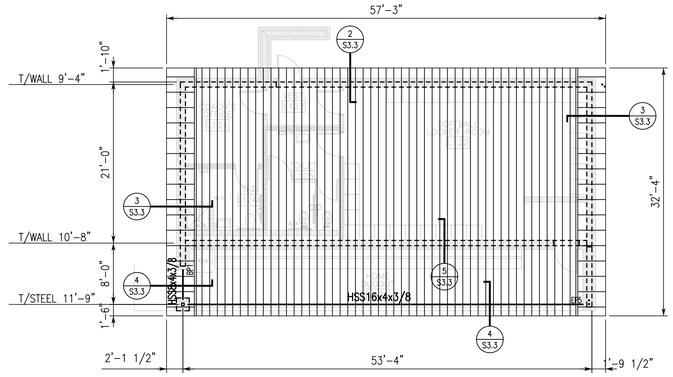


PROJECT NORTH

SOFTBALL VISITOR DUGOUT ROOF FRAMING PLAN

1/8"=1'-0"

1. ROOF SYSTEM: 2x10 ROOF JOISTS @24" O.C., SEE NOTES THIS SHEET.
2. ROOF SHEATHING: 3/4" PLYWOOD, SEE NOTES THIS SHEET.
3. DETAILS SHOWN ARE TYPICAL FOR THE ENTIRE BUILDING.
4. TOP OF CMU IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
5. TRUSS MANUFACTURER TO COORDINATE DRAFT STOP TRUSS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
6. FOR WALL LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
7. PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.2.
8. "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAIL ON S1.3.

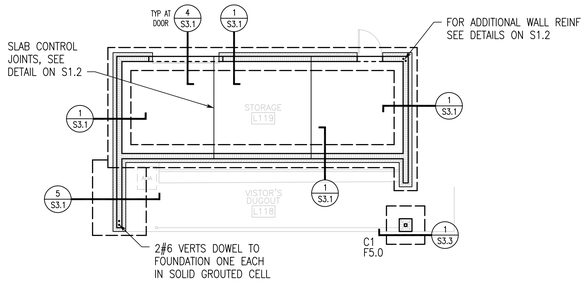


PROJECT NORTH

SOFTBALL HOME DUGOUT ROOF FRAMING PLAN

1/8"=1'-0"

1. ROOF SYSTEM: 2x10 ROOF JOISTS @12" O.C., SEE NOTES THIS SHEET.
2. ROOF SHEATHING: 3/4" PLYWOOD, SEE NOTES THIS SHEET.
3. DETAILS SHOWN ARE TYPICAL FOR THE ENTIRE BUILDING.
4. TOP OF CMU IS EITHER LEVEL OR SLOPING UNIFORMLY BETWEEN NOTED ELEVATIONS.
5. TRUSS MANUFACTURER TO COORDINATE DRAFT STOP TRUSS LOCATIONS WITH ARCHITECTURAL DRAWINGS.
6. FOR WALL LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
7. PROVIDE MASONRY AND VENEER LINTELS AT ALL OPENINGS, SEE SCHEDULES ON S1.2.
8. "BP" INDICATES BEAM BEARING PLATE, SEE TYPICAL DETAIL ON S1.3.

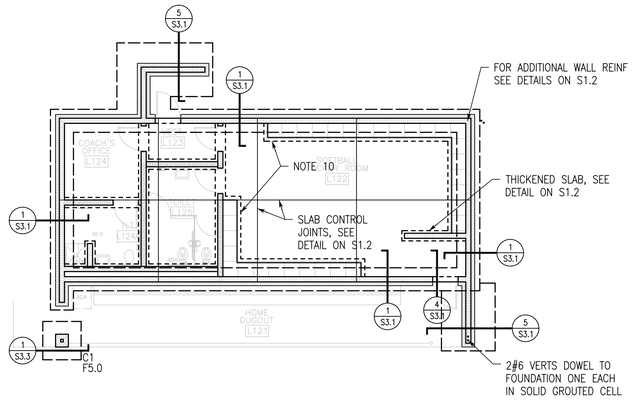


PROJECT NORTH

SOFTBALL VISITOR DUGOUT FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND SLOPE LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. C1 INDICATES HSS4x4x3/8 COLUMN W/ 3/4x10x10 BP W/ (4)3/4"Ø ANCHOR RODS 9" EMBEDMENT. HOT DIP GALVANIZED COLUMN ASSEMBLY.
9. F5.0 INDICATES 5'-0"x5'-0"x1'-0" FOUNDATION REINFORCE W/5#5 EW T&B.



PROJECT NORTH

SOFTBALL HOME DUGOUT FOUNDATION PLAN

1/8"=1'-0"

1. FINISH FLOOR (TOP OF SLAB) ELEVATION 0'-0", UNLESS NOTED.
2. TOP OF FOOTING ELEVATION -2'-0", UNLESS NOTED.
3. FOR SLAB ON GRADE CONSTRUCTION, SEE GENERAL NOTES AND TYPICAL DETAILS.
4. FOR SLAB RECESS AND SLOPE LOCATIONS, SEE ARCHITECTURAL DRAWINGS.
5. GENERAL CONTRACTOR SHALL COORDINATE TILE JOINT LOCATIONS WITH CONTROL JOINTS.
6. FOOTING STEP LOCATIONS SHOWN ARE APPROXIMATE. GENERAL CONTRACTOR COORDINATE LOCATION OF ALL FOOTING STEPS WITH THE LATEST CIVIL, PLUMBING AND UTILITY DRAWINGS. SEE FOOTING STEP DETAIL ON S1.2.
7. FOOTING WIDTHS INDICATED ON PLAN MAY OR MAY NOT BE TO SCALE. COORDINATE WITH SECTION CUTS FOR FOOTING WIDTHS AND ADDITIONAL INFORMATION.
8. C1 INDICATES HSS4x4x3/8 COLUMN W/ 3/4x10x10 BP W/ (4)3/4"Ø ANCHOR RODS 9" EMBEDMENT. HOT DIP GALVANIZED COLUMN ASSEMBLY.
9. F5.0 INDICATES 5'-0"x5'-0"x1'-0" FOUNDATION REINFORCE W/5#5 EW T&B.
10. 4" THICK CONCRETE CURB. REINFORCE W/ #5@12 EW CENTERED IN CURB. SUPPORT WITH THICKENED SLAB, SEE DETAIL ON S1.2

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WINN
H. Craig Winn, P.E.
10-24-2023

SHEET TITLE:
SOFTBALL HOME/VISITOR DUGOUT FOUNDATION AND ROOF FRAMING PLAN

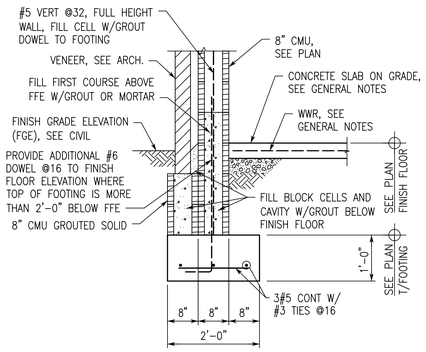
PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66

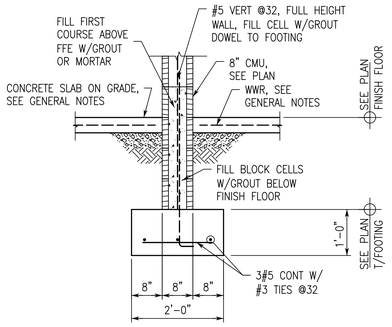
SHEET NO:
S2.4
8 OF 11

0 1" 2"

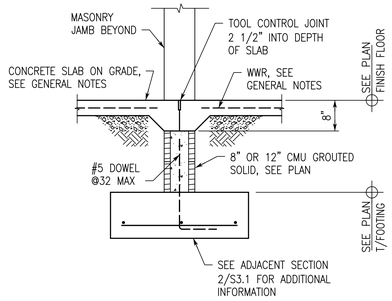
SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
Hoover, AL 35244
tel 205-824-5200
fax 205-824-5280
Job Number 23-211



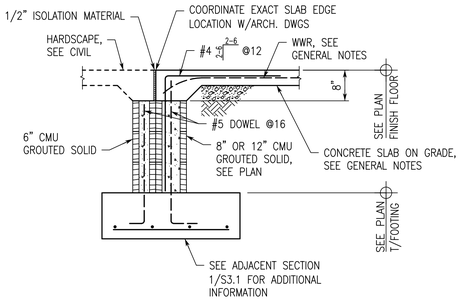
SECTION 1/S3.1
3/4"=1'-0"



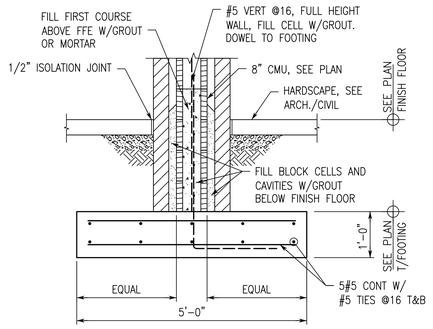
SECTION 2/S3.1
3/4"=1'-0"



SECTION 3/S3.1
3/4"=1'-0"



SECTION 4/S3.1
3/4"=1'-0"



SECTION 5/S3.1
3/4"=1'-0"

LATHAN ARCHITECTS

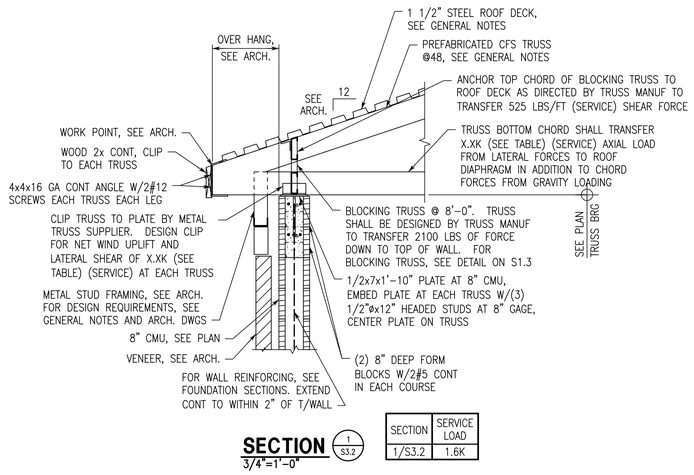
BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER H. CRAIG WILLIS
H. Craig Willis, P.E.
10-24-2023

SHEET TITLE:
SECTIONS AND DETAILS

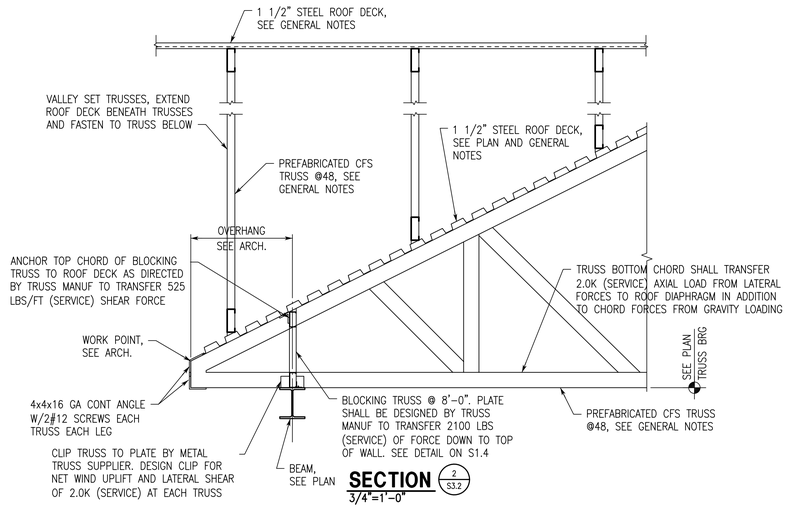
PROJ. MGR.:	HCW
DRAWN:	ABS
DATE:	OCTOBER 24, 2023
REVISIONS	

JOB NO. 23-66
SHEET NO:
S3.1
9 OF 11
0 1" 2"

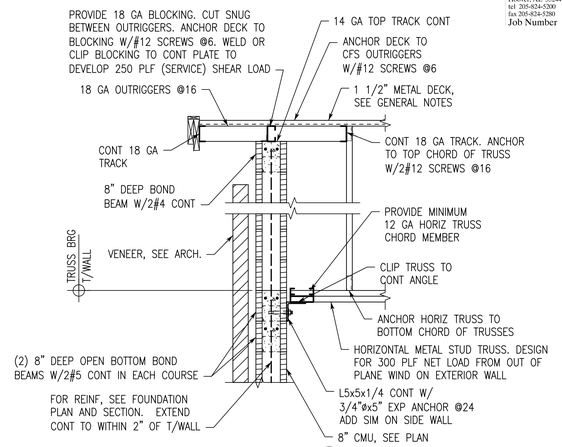


SECTION 1/S3.2
3/4"=1'-0"

SECTION	SERVICE LOAD
1/S3.2	1.6K



SECTION 2/S3.2
3/4"=1'-0"



SECTION 3/S3.2
3/4"=1'-0"

SDG
STRUCTURAL DESIGN GROUP
300 Chase Park South, Suite 125
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Job Number 23-211

LATHAN
ARCHITECTS

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GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
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ALABAMA REGISTERED No. 22596 PROFESSIONAL ENGINEER CRAIG WILEY
H. Craig Wiley, P.E.
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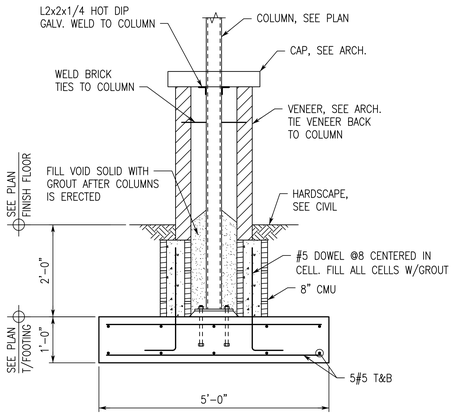
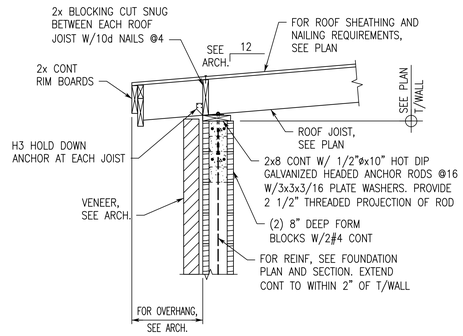
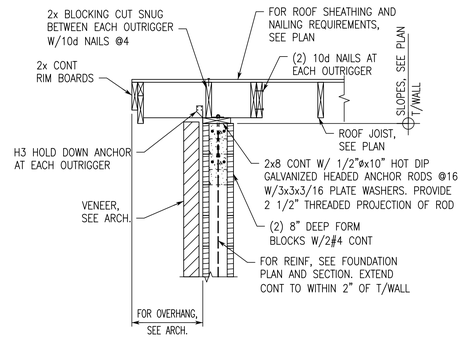


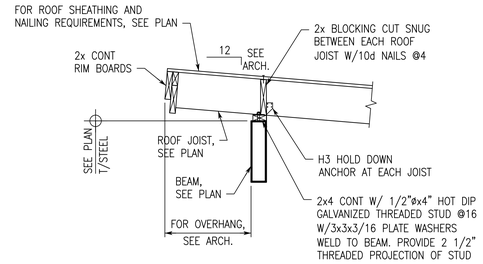
SECTION 1/S3.3
3/4"=1'-0"



SECTION 2/S3.3
3/4"=1'-0"



SECTION 3/S3.3
3/4"=1'-0"



SECTION 4/S3.3
3/4"=1'-0"

SECTION 5/S3.3
3/4"=1'-0"

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
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SHEET NO:
S3.3
11 OF 11
0 1" 2"

PLUMBING LEGEND

	DOMESTIC COLD WATER	PRV	PRESSURE RELIEF VALVE	BFF	BELOW FINISHED FLOOR
	DOMESTIC HOT WATER SUPPLY	BFP	BACKFLOW PREVENTER	CW	COLD WATER
	DOMESTIC HOT WATER RETURN	CO	CLEANOUT	DN	DOWN
	SOIL, WASTE, OR SANITARY SEWER	FD	FLOOR DRAIN	GPH	GALLONS PER HOUR
	VENT	FS	FLOOR SINK	GPM	GALLONS PER MINUTE
	PIPE TURNING DOWN	EX	EXISTING	HW	HOT WATER
	PIPE TURNING UP	WHA	WATER HAMMER ARRESTOR	HWR	HOT WATER RETURN
	TEE DOWN	SD	SHOWER DRAIN	TYP	TYPICAL
	TEE UP	MFD	MECHANICAL FLOOR DRAIN	VSTR	VENT THROUGH ROOF
	UNION	HB	HOSE BIBB	VS	VENT STACK
	BALANCE VALVE	WH	WALL HYDRANT	WS	WASTE STACK
	BALL VALVE	ABV	ABOVE	P-#	PLUMBING FIXTURE
	CHECK VALVE	AFF	ABOVE FINISHED FLOOR	#	RISER NUMBER
	PRESSURE REDUCING VALVE	(#)	CONCESSION EQUIPMENT		

GENERAL NOTES

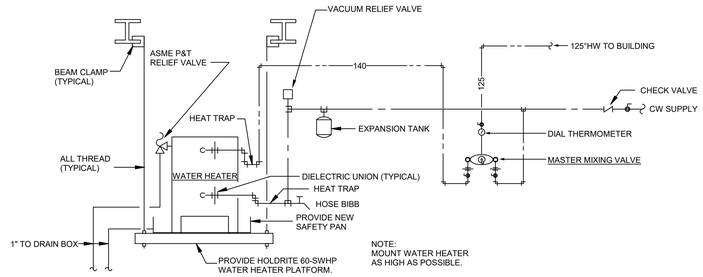
1. LOCATIONS OF UTILITIES SHOWN ON PLANS ARE APPROXIMATE. VERIFY WITH LOCAL UTILITY PRIOR TO BIDDING.
2. CONTRACTOR SHALL VERIFY EXACT LOCATION, SIZE, AND ELEVATION OF ALL EXISTING SERVICES PRIOR TO INSTALLING ANY NEW PIPE.
3. ALL OUTSIDE CLEANOUTS SHALL BE BROUGHT TO GRADE AND EMBEDDED IN 18"X18"X6" THICK CONCRETE PAD. (J.R. SMITH 4258 OR EQUAL.)
4. WHEREVER DISSIMILAR METALS ARE CONNECTED ON WATER LINES, A DIELECTRIC UNION SHALL BE USED.
5. ALL HORIZONTAL WATER AND VENT PIPING SHALL BE RUN ABOVE CEILING ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
6. ALL HORIZONTAL SANITARY PIPING IS RUN BELOW FLOOR ON PLAN WHERE SHOWN UNLESS OTHERWISE NOTED.
7. ALL WATER PIPING BELOW SLAB ON GRADE SHALL BE BENT UP AT ENDS SO THAT NO JOINTS OCCUR BELOW FLOOR.
8. ALL WALL HYDRANTS AND HOSE BIBBS SHALL BE MOUNTED 24" ABOVE FINISH GRADE OF FINISH FLOOR UNLESS OTHERWISE NOTED.
9. ALL WATER PIPING INSTALLED IN EXTERIOR WALLS SHALL BE LOCATED ON THE INTERIOR SIDE OF THE EXTERIOR WALL INSULATION.
10. NO VENT THRU ROOF IS TO BE LOCATED WITHIN 10 FEET OF ANY BUILDING AIR INTAKES, PER CODE. COORDINATE WITH MECHANICAL AND GENERAL CONTRACTORS.
11. DOMESTIC WATER PIPING AND FIRE PROTECTION PIPING LOCATED ABOVE THE CEILING, SHALL BE INSTALLED BELOW CEILING INSULATION.
12. CONTRACTOR SHALL COORDINATE MECHANICAL FLOOR DRAIN LOCATIONS WITH MECHANICAL EQUIPMENT PRIOR TO INSTALLATION.
13. CONTRACTOR SHALL PROVIDE SHOCK ARRESTORS ON ALL BRANCH LINES.
14. CONTRACTOR SHALL COORDINATE ALL SINKS WITH CASEWORK PRIOR TO ORDERING SINKS.
15. DOMESTIC WATER PIPING SHALL NOT BE INSTALLED IN EXTERIOR WALLS.
16. PROVIDE DISINFECTION OF WATER PIPING SYSTEM WITH CHLORINE SOLUTION AS PER CODE.
17. INSTALLATION OF BACKFLOW PREVENTER SHALL COMPLY WITH CURRENT INTERNATIONAL BUILDING CODE AND CURRENT INTERNATIONAL PLUMBING CODE.
18. ALL OVERHEAD WATER PIPING TO BE RUN BELOW INSULATION AT BOTTOM OF TRUSSES FOR FREEZE PROTECTION.
19. ALL WALL HYDRANTS TO BE FREEZE PROOF AND TO HAVE VACUUM BREAKERS.
20. INSULATION ON ALL PIPING SHALL MEET SMOKE/ FLAME RATING OF 25 & 50.
21. THE LOCATION OF LAVATORIES AND WATER CLOSETS RELATIVE TO THE FINISHED WALL IS CRITICAL. REFER TO ARCHITECTURAL AND THE SPECIFICATIONS FOR ADDITIONAL INFORMATION. ALL WATER CLOSETS TO BE 18" FROM FINISH WALL TO CENTER OF WATER CLOSET.
22. WATER HAMMER ARRESTORS ARE REQUIRED TO PROTECT WATER PIPING SYSTEMS WHERE QUICK-CLOSING VALVES ARE UTILIZED. WATER HAMMER ARRESTORS SHALL CONFORM TO ASSE 1010.
23. THESE DRAWINGS NOT INTENDED TO SHOW ALL POSSIBLE CONDITIONS. IT IS INTENDED THAT A COMPLETE PLUMBING SYSTEM BE PROVIDED WITH ALL NECESSARY EQUIPMENT, APPURTENANCES AND CONTROLS, COMPLETELY COORDINATED WITH ALL DISCIPLINES. ALL PARAMETERS GIVEN IN THESE DOCUMENTS SHALL BE STRICTLY CONFORMED WITH ANY ITEMS AND LABOR REQUIRED FOR A COMPLETE PLUMBING SYSTEM IN ACCORDANCE WITH ALL APPLICABLE CODES, STANDARDS AND THESE CONTRACT DOCUMENTS SHALL BE FURNISHED WITHOUT INCURRING ANY ADDITIONAL COST TO THE PROJECT. CAREFULLY REVIEW ALL CONTRACT DOCUMENTS AND THE DESIGN OF OTHER TRADES BEFORE PREPARING SHOP DRAWINGS.
24. COORDINATE PLUMBING PIPING WITH STRUCTURAL, PLUMBING, HVAC, AND ELECTRICAL. MAKE OFFSETS AND TRANSITIONS TO COORDINATE WITH OTHER TRADES WITHOUT ANY ADDITIONAL COST TO THE PROJECT.
25. COORDINATE ALL PLUMBING IN SLAB WITH BUILDING FOOTINGS.
26. NO PIPING TO BE RUN ABOVE ELECTRICAL PANELS. MAINTAIN ALL REQUIRED CLEARANCES.
27. CONTRACTOR SHALL VISIT JOB SITE AND VERIFY EXISTING CONDITIONS BEFORE SUBMITTING A PRICE, ORDERING MATERIALS OR PERFORMING ANY WORK. NOTIFY THE ARCHITECT OF ANY DEVIATION FROM PLUMBING PLAN.
28. MAINTAIN A MAXIMUM OF 55 PSIG WATER PRESSURE AT PLUMBING FIXTURES, CONSISTENT WITH ADEQUATE FLOW RATES.
29. SUPPORT PIPE AS REQUIRED BY THE CURRENT INTERNATIONAL PLUMBING CODE.
30. ALL FOOTINGS AT PLUMBING CHASE WALLS SHALL BE MIN 24" BELOW FINISHED GRADE TO COORDINATE WITH WASTE PIPING IN SLAB.
31. FIRESTOP ALL RATED WALL AND FLOOR PENETRATIONS. SEE ARCHITECTURAL DRAWINGS FOR RATED WALL AND FLOOR LOCATIONS.
32. DO NOT BEGIN WORK UNTIL ELEVATION OF FINAL CONNECTION POINT IS VERIFIED AND GRADING OF ENTIRE SYSTEM CAN BE DETERMINED (EVEN IF FINAL CONNECTION IS SPECIFIED UNDER ANOTHER SECTION).

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	WASTE	CW	HW	REMARKS
FD	FLOOR DRAIN	3"	-	-	J.R. SMITH #2010 WITH 6" ROUND NICKEL BRONZE GRATE. PROVIDE WITH J.R. SMITH TRAP INSERT.
FS-1	FLOOR SINK	4"	-	-	J.R. SMITH #3100, 8" SQUARE, PORCELAIN ENAMELED CAST IRON INTERIOR WITH 3/4 CAST IRON PORCELAIN ENAMELED GRATE AND DOME BOTTOM STRAINERS. PROVIDE WITH J.R. SMITH TRAP INSERT.
FS-2	FLOOR SINK	4"	-	-	J.R. SMITH #3200, 16" SQUARE, PORCELAIN ENAMELED CAST IRON INTERIOR WITH 3/4 CAST IRON PORCELAIN ENAMELED GRATE AND DOME BOTTOM STRAINERS. PROVIDE WITH J.R. SMITH TRAP INSERT.
P-1	WATER CLOSET - ADA COMPLIANT	4"	1"	-	FLOOR MOUNTED - KOHLER K-96057-SS-0 COMPLETE SLOAN #111 FLUSH VALVE WITH YJ BRACKET AND CHURCH "DURA GUARD" MODEL # 2155 SSC SEAT.
P-2	WATER CLOSET	4"	1"	-	FLOOR MOUNTED - KOHLER K-96053-SS-0 COMPLETE SLOAN #111 FLUSH VALVE WITH YJ BRACKET AND CHURCH "DURA GUARD" MODEL #2155 SSC SEAT.
P-3	URINAL - ADA COMPLIANT	3"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET. SET LIP 17" AFF.
P-4	URINAL	3"	1"	-	WALL MOUNTED-KOHLER K-5016-ET COMPLETE, K-9183 STAINLESS STEEL STRAINER, J.R. SMITH #623 FIXTURE SUPPORT, AND SLOAN #186 FLUSH VALVE WITH YJ BRACKET.
P-5	LAVATORY - ADA COMPLIANT	1-1/4"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE, SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #165 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. MOUNT WITH RIM MAXIMUM 34" AFF. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100° F WATER TO FAUCET. MUST MEET A.D.A. GUIDELINES.
P-6	LAVATORY	1-1/4"	1/2"	1/2"	WALL HUNG - KOHLER K-2032 (20" X 18") COMPLETE, SYMMONS S-20-0 FAUCET, K7715 OUTLET WITH TAILPIECE, J.R. SMITH #700-M31-Z FIXTURE SUPPORT, MCGUIRE #165 SUPPLIES WITH STOPS AND MCGUIRE #8872 P-TRAP. INSULATE P-TRAP, STOPS AND SUPPLIES WITH "PRO-WRAP" BY MCGUIRE. MOUNT WITH RIM MAXIMUM 34" AFF. PROVIDE LAWLER 570 THERMOSTATIC MIXING VALVE MOUNTED BELOW LAVATORY. RUN 100° F WATER TO FAUCET.
P-7	DRINKING FOUNTAIN - ADA COMPLIANT	1-1/2"	1/2"	-	ELKAY #EDFP217FPK BI-LEVEL WATER COOLER. COMPLETE WITH STAINLESS STEEL CABINET AND WATERWAYS THAT ARE MANUFACTURED OF 100% LEAD FREE MATERIAL, J.R. SMITH #834 FIXTURE SUPPORT EBC TA150 P-TRAP AND EBC LA10 STOP WITH SUPPLY. FULLY INSULATE P-TRAP WITH EBC IK INSULATOR. INSTALL WITH LOWER SPOUT OUTLET MAXIMUM 36" AFF. MUST MEET A.D.A. INSTALL COMPLETE. PROVIDE WITH CANE APRON AS REQUIRED.
P-8	MOP SINK	3"	1/2"	1/2"	STERN WILLIAMS #SBC-1700 (24" X 24") COMPLETE, T-35 HOSE WITH WALL HOOK, STAINLESS STEEL BACKSPLASH AND CHICAGO FAUCET #897 FAUCET.
P-9	HOSE BIBB	-	3/4"	-	EVERFLOW 46124-NL BRASS BODY WITH T-HANDLE AND PLAIN END. HOSE BIBB SHALL NOT HAVE HOSE THREADS.
P-10	WALL HYDRANT	-	3/4"	-	J.R. SMITH #5509-QT, WITH INTEGRAL BACKFLOW PREVENTER, LATCHING COVER, FREEZE-PROOF AND OF PROPER LENGTH FOR WALL IN WHICH INSTALLED, ALL BRONZE BOX. VALVE SEAT MUST BE ON BUILDING SIDE OF EXTERIOR WALL INSULATION. INSTALL WITH CENTER LINE 24" ABOVE FINISH GRADE. PROVIDE OWNER WITH ONE (1) LOOSE KEY FOR EACH WALL HYDRANT.
P-11	HOSE BIBB	-	3/4"	-	Z1327-EZ-VB ZURN NARROW WALL HOT/COLD HYDRANT WITH MOUNTING BRACKETS. INSTALL HOSE BIBB FLUSH WITH WALL BELOW LAVATORY.
P-12	SHOWER VALVE - ADA COMPLIANT	-	1/2"	1/2"	CHICAGO FAUCET 1907-CP THERMOSTATIC/PRESSURE BALANCING SHOWER VALVE, 151-ACP HAND SHOWER AND GRAB BAR, 763-CP DIVERTER VALVE, FIXED SHOWER HEAD, WITH BLADE HANDLE, AND TRIM. ADJUST FOR 109°F MAXIMUM TEMP. PROVIDE BACK PLATE.
P-13	DRAIN BOX	1 1/2"	-	-	PROVIDE A SIOUX CHIEF MODEL #696-3F DRAIN BOX, #696-LC LOUVERED COVER, #696-CF SECONDARY DRAINAGE FUNNEL, AND J.R. SMITH TRAP SEAL INSERT. BOX TO COME COMPLETE WITH WALL FLANGE AND LOUVER. COORDINATE WITH MECHANICAL TO RECEIVE CONDENSATE WASTE. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH ARCHITECT.
P-14	WASHING MACHINE BOX (RESIDENTIAL)	3"	1/2"	1/2"	GUY GRAY # WB-200. PROVIDE SHOCK ARRESTORS PDI SIZE "B" ABOVE CEILING ON HOT AND COLD WATER LINES.
P-15	ICE MACHINE	-	1/2"	-	FURNISHED AND INSTALLED UNDER ANOTHER SECTION, ROUGH AND CONNECT COMPLETE, PROVIDE BALL VALVE STOP ON SUPPLY AND PIPE WASTE(S) TO FLOOR DRAIN. PROVIDE WATTS LF9D ON COLD WATER SUPPLY IF REQUIRED BY LOCAL CODES. PIPE RELIEF FULL SIZE TO FS.
SD	SHOWER DRAIN	2"	-	-	J.R. SMITH #2010 WITH 4" ROUND STRAINER. PROVIDE WITH J.R. SMITH TRAP INSERT.

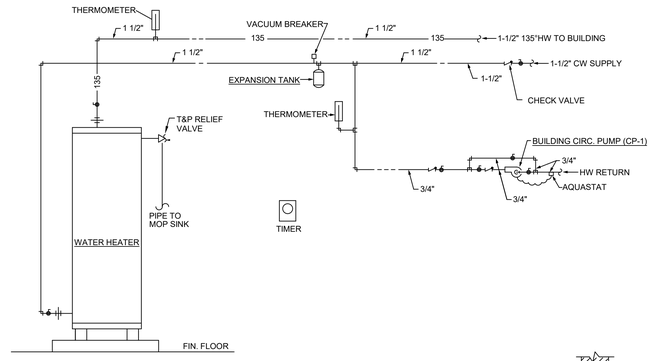
WATER HEATER SCHEDULE

MARK	FIXTURE	ELEC INFO.	REMARKS	NOTES
CP-1	CIRCULATION PUMP	1/12 HP, 115/1/60	ARMSTRONG COMPASS. ALL BRONZE. PROVIDE WITH TIMER AND AQUASTAT EQUAL TO HONEYWELL L6006A.	-
ET-1	EXPANSION TANK	-	AMTROL THERM - X-TROL #ST-12 EXPANSION TANK, PRE-CHARGED, WELDED STEEL CONSTRUCTION. ISOLATION BETWEEN WATER AND AIR SHALL BE BY A BUTYL DIAPHRAM.	-
ET-2	EXPANSION TANK	-	AMTROL THERM - X-TROL #ST-5 EXPANSION TANK, PRE-CHARGED, WELDED STEEL CONSTRUCTION. ISOLATION BETWEEN WATER AND AIR SHALL BE BY A BUTYL DIAPHRAM.	-
MMV-1	MASTER MIXING VALVE	-	SYMMONS TEMPCONTROL 7-500A-W COMPLETE. WALL MOUNTING BRACKET. SET OUTLET TEMPERATURE AT 125°F.	-
WH-1	ELECTRIC WATER HEATER	208V, 3 PHASE, 4.5 KW	LOCHINVAR ETT119KD, 119 GALLON STORAGE, 19 GALLON RECOVERY AT 100°F RISE. NEW P&T RELIEF VALVE. SET OUTLET TEMPERATURE AT 140°F. INSTALL AS DETAILED ON DRAWINGS. VERIFY VOLTAGE WITH ELECTRICAL SECTION.	PROVIDE WITH ET-1 AND CP-1
WH-2	ELECTRIC WATER HEATER	208V, 1 PHASE, 4.5 KW	LOCHINVAR JRJ040KS, 40 GALLON STORAGE, 19 GALLON RECOVERY AT 100°F RISE. NEW P&T RELIEF VALVE. SET OUTLET TEMPERATURE AT 125°F. INSTALL AS DETAILED ON DRAWINGS. VERIFY VOLTAGE WITH ELECTRICAL SECTION.	PROVIDE WITH ET-2 AND MMV-1
WH-3	ELECTRIC WATER HEATER	208V, 1 PHASE, 4.5 KW	LOCHINVAR JRJ040KS, 40 GALLON STORAGE, 19 GALLON RECOVERY AT 100°F RISE. NEW P&T RELIEF VALVE. SET OUTLET TEMPERATURE AT 125°F. INSTALL AS DETAILED ON DRAWINGS. VERIFY VOLTAGE WITH ELECTRICAL SECTION.	PROVIDE WITH ET-2 AND MMV-1



DETAIL OF PIPING AT WATER HEATER - WH-2,3

NO SCALE



DETAIL OF PIPING AT WATER HEATER - WH-1

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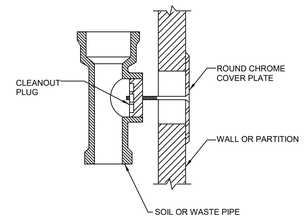

WALL CLEANOUT

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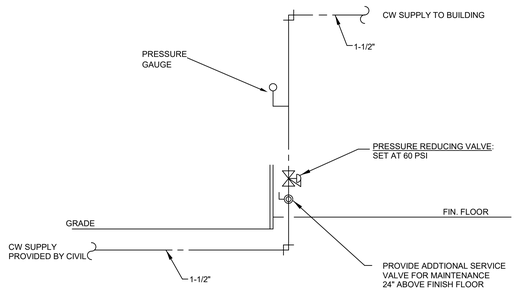

DETAIL OF WATER ENTRY

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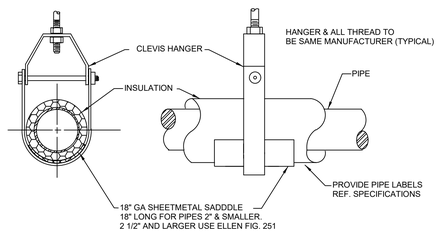

SUSPENDED PIPE SUPPORT

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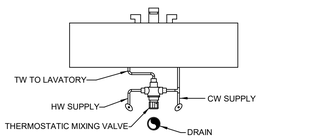

DETAIL OF TMV BELOW LAVATORY

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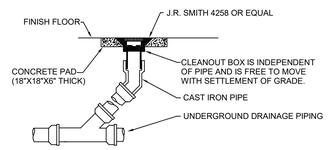

DETAIL OF CLEANOUT TO GRADE

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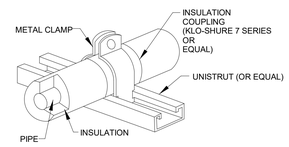

NOTES:
1. APPLICATION: FOR STRUT MOUNTED, 4 INCH AND SMALLER, COFFEE PIPE WITH FOAMED PLASTIC (ARMAFLEX) OR FIBERGLASS INSULATION.
2. ALLOWED FOR HORIZONTAL OR VERTICAL INSTALLATION.
3. FOR COLD PIPE APPLICATION, APPLY ADHESIVE TO END OF FOAMED PLASTIC INSULATION PRIOR TO INSERTING INTO COUPLING.

STRUT-MOUNTED PIPING SUPPORT INSULATION COUPLING DETAIL

NO SCALE

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www.dewberry.com

Project Number : 50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

SHEET TITLE:
PLUMBING - SCHEDULES, NOTES, LEGENDS, & DETAILS

PROJ. MGR.: –	SMC
DRAWN:	ADH
DATE: –	10/24/23
REVISIONS	

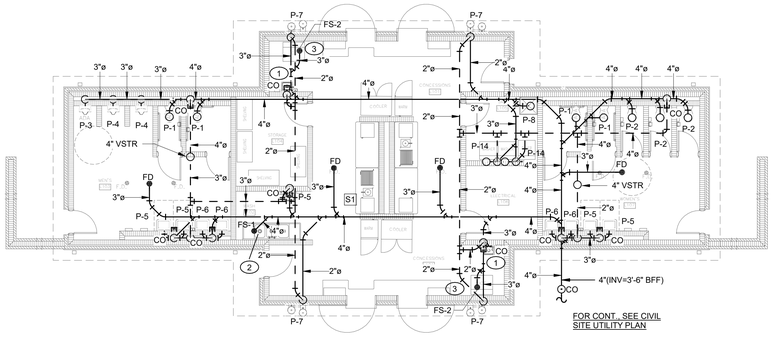
JOB NO. 23-66

SHEET NO:

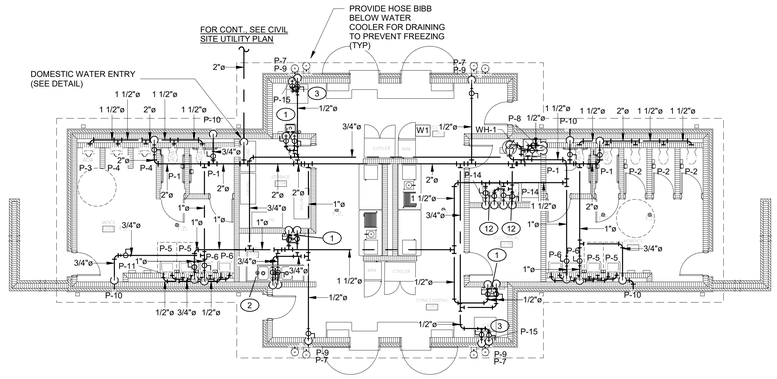
P0.1

CONCESSIONS EQUIPMENT SCHEDULE

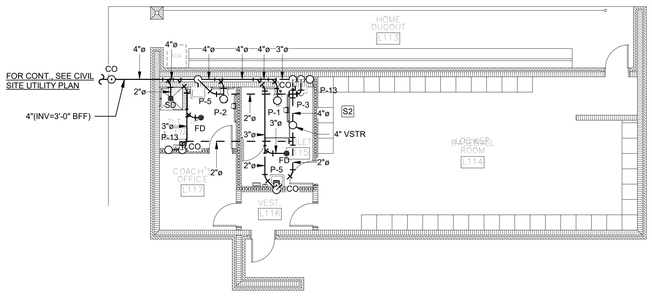
ITEM NO.	QTY.	EQUIPMENT CATEGORY	MANUFACTURER	MODEL NO.	EQUIPMENT REMARKS
1	3	HAND SINKS	ADVANCE TABCO OR EQUAL	7-PS-60	
2	1	THREE COMPARTMENT SINK	ADVANCE TABCO OR EQUAL	FE-3-1824-18RL-X	INCLUDE K-11-X FAUCET, K-4 AND K-5 LEVER DRAINS
3	2	ICE MACHINE WITH BIN	ICE-O-MATIC OR EQUAL	GEM-0650A	INCLUDE B55 BIN AND IFQ1 WATER FILTER
4	4	SHELVING SECTION	ADVANCE TABCO OR EQUAL	EGG-2448-X	
5	4	STAINLESS STEEL WORK TABLES	ADVANCE TABCO OR EQUAL	SLAG-366-X	
6	2	HOT DOG GRILL	NEMCO OR EQUAL	8036-SX	INCLUDE THE FOOD SAFETY GUARD
7	2	NACHO CHEESE DIPPER	GOLD METAL OR EQUAL	2191	
8	2	POPCORN MACHINE	GOLD METAL OR EQUAL	2152	
9	2	NACHO CHIP WARMER	HATCO OR EQUAL	FDWD-1NM	
10	2	FOOD WARMER	METRO OR EQUAL	C5E9-CFC-U	
11	2	TWO DOOR REFRIDGERATOR	TRUE OR EQUAL	T-49-HC	
12	2	TOP LOAD WASHING MACHINE	WHIRLPOOL OR EQUAL	WTW7120HC	OWNER FURNISHED, CONTRACTOR INSTALLED
13	1	FRONT LOAD DRYER	WHIRLPOOL OR EQUAL	WED6120HC	OWNER FURNISHED, CONTRACTOR INSTALLED



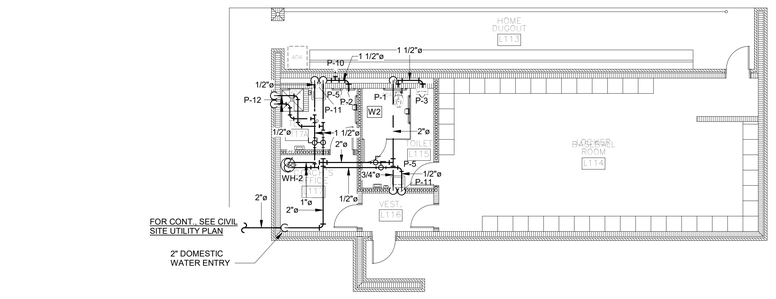
1 NON-PRESSURE - CONCESSIONS FLOOR PLAN
1/8" = 1'-0"



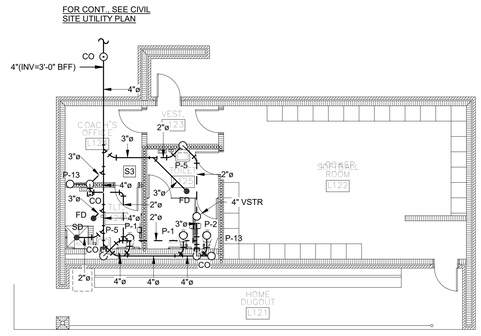
4 PRESSURE - CONCESSIONS FLOOR PLAN
1/8" = 1'-0"



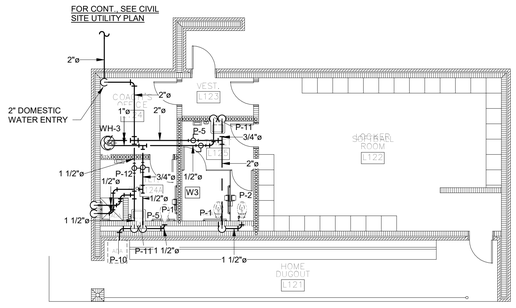
2 NON-PRESSURE - BASEBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



5 PRESSURE - BASEBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



3 NON-PRESSURE - SOFTBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



6 PRESSURE - SOFTBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"

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(205) 988-2069
www.dewberry.com

Project Number : 50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

CHRISTOPHER M. CLARK LICENSED 10/24/2023 No. 27475 PROFESSIONAL ENGINEER ALABAMA

SHEET TITLE:
PLUMBING - FLOOR PLANS

PROJ. MGR.:	SMC
DRAWN:	ADH
DATE:	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:
P1.1

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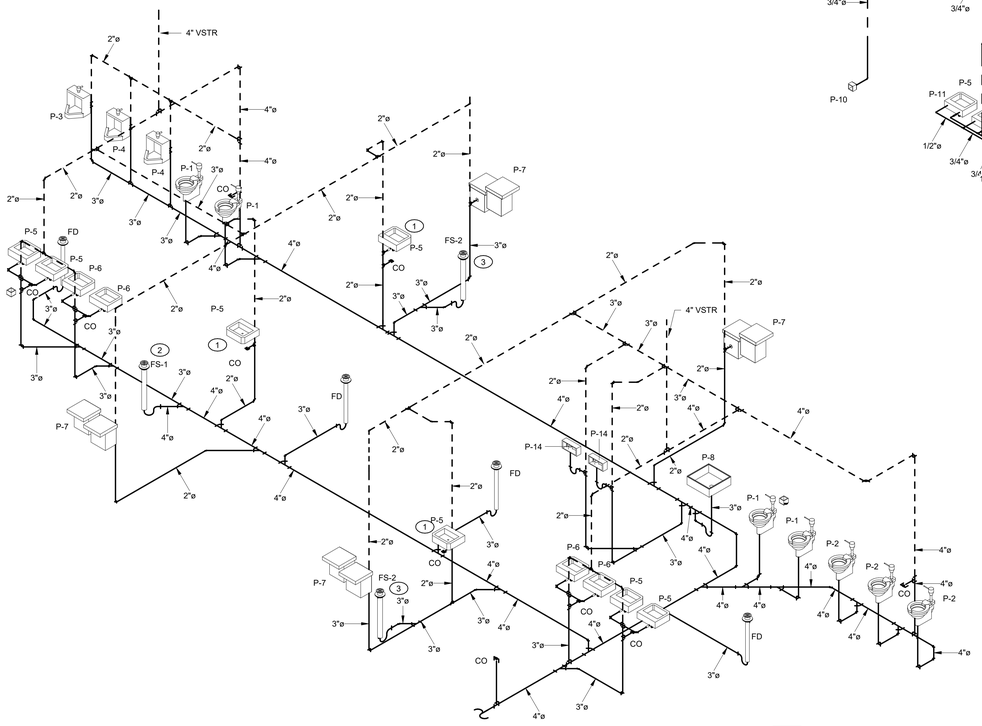

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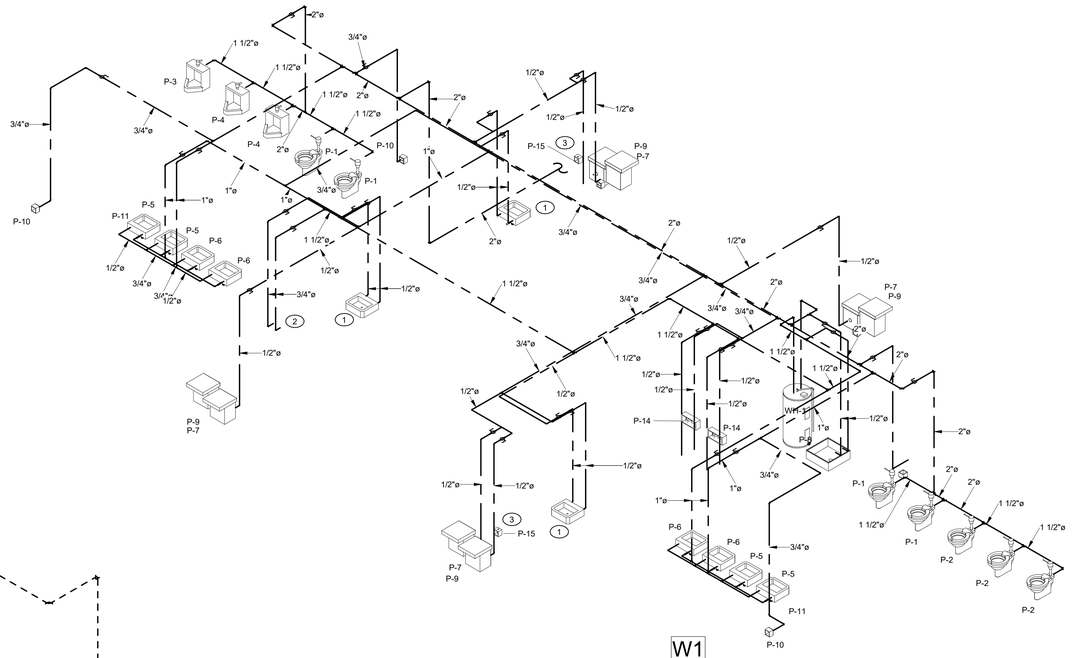

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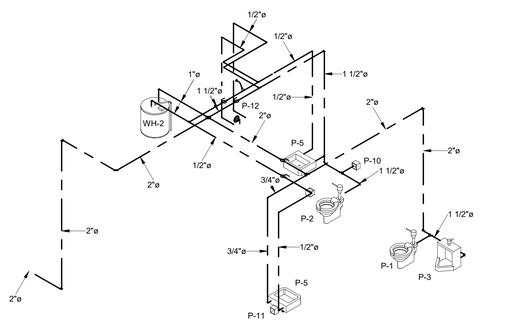

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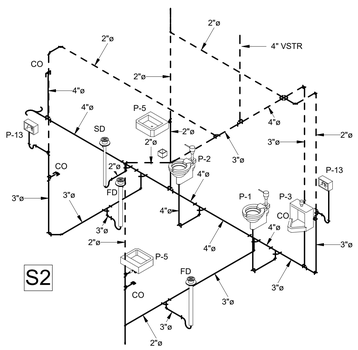

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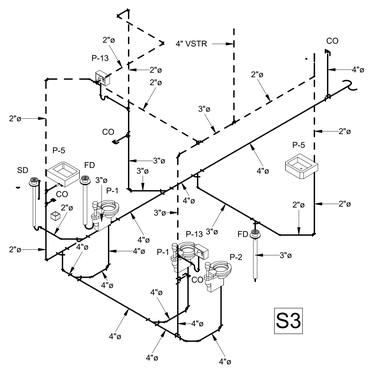

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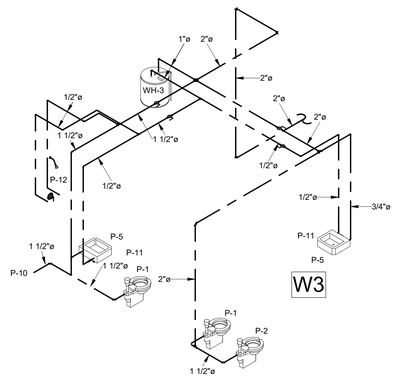

W3

SHEET TITLE:
PLUMBING - RISERS

PROJ. MGR.: –	SMC
DRAWN:	ADH
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:

P2.1

DUCTWORK LEGEND

(CFM) S	SUPPLY DIFFUSER
(CFM) R	RETURN GRILLE
(CFM) E	EXHAUST GRILLE
(CFM) T	TRANSFER AIR GRILLE
(CFM) SR	SIDEWALL REGISTER
ø	ROUND DUCT SYMBOL
W X H	RECTANGULAR DUCT (WIDTH X HEIGHT)
	RECTANGULAR SUPPLY DUCT TURNING UP
	RECTANGULAR SUPPLY AIR DUCT TURNING DOWN
	RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING UP
	RECTANGULAR RETURN AIR OR EXHAUST DUCT TURNING DOWN
	ROUND DUCT TURNING DOWN
	ROUND DUCT TURNING UP
	MAXIMUM 5' FLEXIBLE DUCT ALL BRANCH DUCTS
	RECTANGULAR 90° ELBOW WITH TURNING VANES FOR SUPPLY.
	RISE OR DROP IN DUCT
	RECTANGULAR BRANCH OFF OF RECTANGULAR DUCT WITH MANUAL DAMPER
	CONICAL SPIN-IN WITH MANUAL DAMPER
MD	MANUAL DAMPER
FD	FIRE DAMPER (PROVIDE ACCESS DOOR)
AD	AUTOMATIC DAMPER
SFD	COMBINATION SMOKE/FIRE DAMPER (PROVIDE ACCESS DOOR)
Ⓣ	TEMPERATURE SENSOR
Ⓗ	HUMIDITY SENSOR
Ⓒ	CO2 MONITOR

HVAC ABBREVIATIONS

A	AMPS
AFF	ABOVE FINISH FLOOR
AHU	AIR HANDLING UNIT
AMB.	AMBIENT
ARCH.	ARCHITCTURAL
BHP	BRAKE HORSEPOWER
BOD	BOTTOM OF DUCT
BTUH	BRITISH THERMAL UNIT PER HOUR
CFM	CUBIC FEET PER MINUTE
DB	DRY BULB
DN.	DOWN
°F.	DEGREES FAHERNHEIT
ΔP	CHANGE IN PRESSURE
ΔT	CHANGE IN TEMPERATURE
DIA.	DIAMETER
EA	EXHAUST AIR
ENT.	ENTERING
EAT	ENTERING AIR TEMPERATURE
EMG	EXPANDED METAL GRILLE
EWT	EXTERNAL WATER TEMPERATURE
E.S.P.	EXTERNAL STATIC PRESSURE
EX.	EXISTING
EXT.	EXTERNAL
FPM	FEET PER MINUTE
FT.	FEET
F.V.	FACE VELOCITY
GAL.	GALLONS
GPM	GALLONS PER MINUTE
H	HEIGHT
HP	HORSEPOWER
IN.	INCHES
I.D.	INSIDE DIAMETER
KW	1000 WATTS
L	LENGTH
LBS.	POUNDS
LRA	LOCKED ROTOR AMPS
LVG.	LEAVING
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
MAX.	MAXIMUM
MAT	MIXED AIR TEMPERATURE
MBH	1000 BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MIN.	MINIMUM
MOCP	MAXIMUM OVER CURRENT PROTECTION
NO	NORMALLY OPEN
NC	NORMALLY CLOSED
NPLV	NON-STAND PART LOAD VALUE
OSA	OUTSIDE AIR
O.D.	OUTSIDE DIAMETER
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ATMOSPHERIC
PSIG	PSI GAUGE
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RH	RELATIVE HUMIDITY
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
T.S.P.	TOTAL STATIC PRESSURE
TD	TRANSFER DUCT
TOD	TOP OF DUCT
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLUME
V/Ø/Hz	VOLTS/PHASE/HERTZ
W.G.	WATER GAGE
W	WIDTH
WB	WET BULB

PIPING LEGEND

D	DRAIN PIPING
	BALL VALVE
	PIPE TURNING UP.
	PIPE TURNING DOWN.
	BRANCH OFF TOP OF MAIN.
	BRANCH OFF BOTTOM OF MAIN.
	BRANCH OFF SIDE OF MAIN.
	STRAINER (Y)
	UNION
	SLOPE DOWN IN DIRECTION OF ARROW.

HVAC GENERAL NOTES

1. MECHANICAL DRAWINGS ARE DIAGRAMMATIC AND SUBJECT TO REQUIREMENTS OF ARCHITECTURAL DRAWINGS AND CONDITIONS EXISTING IN THE FIELD. MECHANICAL DRAWINGS INDICATE GENERALLY THE LOCATION OF COMPONENTS AND ARE NOT INTENDED TO SHOW ALL FITTINGS OR ALL DETAILS OF THE WORK TO BE PERFORMED.

2. FOLLOW THE DRAWINGS CLOSELY, COORDINATE DIMENSIONS WITH ARCHITECTURAL DRAWINGS AND FIELD CONDITIONS. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS OF SYSTEM COMPONENTS.

3. COORDINATE CONSTRUCTION OF ALL MECHANICAL WORK WITH ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL WORK, ETC., SHOWN ON OTHER CONTRACT DOCUMENT DRAWINGS.

4. MAKE NO CHANGES WITHOUT THE ARCHITECT'S WRITTEN PERMISSION. IN CASE OF DOUBT, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING WITH WORK. FAILURE TO FOLLOW THIS INSTRUCTION SHALL MAKE THE CONTRACTOR LIABLE FOR DAMAGE TO OTHER WORK AND RESPONSIBLE FOR REMOVING AND REPAIRING DEFECTIVE OR MISLOCATED WORK IN PROPER MANNER.

5. DO NOT SCALE DRAWINGS TO LOCATE DIFFUSERS AND EQUIPMENT. COORDINATE WITH NEW AND EXISTING LIGHTING, ELECTRICAL CONDUIT, AND ALL EXISTING FIELD CONDITIONS.

6. PRIOR TO PREPARING SUBMITTALS, VERIFY ALL EQUIPMENT VOLTAGES WITH ELECTRICAL DRAWINGS AND ELECTRICAL CONTRACTOR AND REPORT ANY INCONSISTENCIES TO THE ARCHITECT PRIOR TO ORDERING EQUIPMENT. ANY FAILURE TO DO SO WILL MAKE THE MECHANICAL CONTRACTOR RESPONSIBLE FOR ANY EQUIPMENT ORDERED WITH THE INCORRECT VOLTAGE.

7. PROTECT MECHANICAL EQUIPMENT FROM DAMAGE DURING CONSTRUCTION. WHEN INSTALLATION IS COMPLETE, CLEAN EQUIPMENT AS REQUIRED AND PROVIDE ALL NEW FILTERS.

8. INSTALL ALL EQUIPMENT TO PROVIDE NORMAL SERVICE ACCESS TO ALL COMPONENTS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. IF MANUFACTURER'S RECOMMENDATIONS CONFLICT WITH CONTRACT DOCUMENTS, OBTAIN ARCHITECT'S DECISION BEFORE PROCEEDING.

9. FURNISH ACCESS DOORS FOR VALVES, FIRE DAMPERS, DAMPERS, CONTROLS, AIR VENTS, TRAP CLEAN OUTS, AND OTHER ITEMS LOCATED ABOVE NON-LIFTOUT CEILINGS OR BEHIND PARTITIONS OR WALLS. PROVIDE FIRE DAMPERS IN DUCTWORK, GRILLES, AND REGISTERS WITH FIRE RATING EQUAL TO RATING OF WALL OR CEILING. ALL FIRE DAMPERS MAY OR MAY NOT BE SHOWN ON MECHANICAL DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ALL FIRE RATED WALL AND CEILING LOCATIONS AND RATINGS WITH ARCHITECTURAL DRAWINGS.

10. ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES AND STANDARDS (SEE SPECIFICATIONS).

11. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120 V CONTROLS POWER TO NECESSARY CONTROL PANELS.

12. MECHANICAL CONTRACTOR TO COORDINATE WITH ELECTRICAL CONTRACTOR FOR EXACT QUANTITY AND LOCATIONS OF 120 V CONTROL POWER FOR VAV TERMINAL UNIT CONTROLS, AUTOMATIC CONTROL VALVES, AND AUTOMATIC DAMPER ACTUATORS.

13. PROVIDE ALL NECESSARY RELAYS, SWITCHES, SENSORS, LOW VOLTAGE CONTROL WIRING, ACTUATORS, ETC. FOR A COMPLETE AND FUNCTIONAL BAS CONTROLS SYSTEM.

14. COORDINATE EXACT LOCATION OF ALL WALL MOUNTED DEVICES (THERMOSTATS, HUMIDITY SENSORS, ETC.) WITH ARCHITECT PRIOR TO ROUGH IN. ALL WALL MOUNTED DEVICES SHALL BE INSTALLED 48"A.F.F. TO THE TOP OF THE DEVICE.

15. COORDINATE EXACT LOCATION ON WALL OF ALL WALL MOUNTED SUPPLY AND RETURN GRILLES/REGISTERS WITH ARCHITECT. WALL MOUNTED SUPPLY AND RETURN GRILLES/REGISTERS SHALL BE PAINTED BY OTHERS.

16. COORDINATE ALL DUCT DETECTORS, LOW VOLTAGE WIRING TO ASSOCIATED PROGRAMMING WITH FIRE ALARM CONTRATOR TO PROVIDE A FULLY FUNCTIONING SYSTEM. VERIFY PROPER OPERATION OF ALL EXISTING DUST SMOKE DETECTORS. REPLACE AS REQUIRED. UPON SENSING SMOKE THE DUCT DETECTOR SHALL SHUT DOWN THE RESPECTIVE UNIT.

AIR DEVICE LEGEND

MARK	EXAMPLE	DESCRIPTION	SIZE	BASIS OF DESIGN
"S"	200S / CFM	PLAQUE FACE CEILING DIFFUSER WITH ROUND NECK. ALL CEILING DIFFUSERS TO HAVE A 24X24 CEILING PANEL (EXCEPT WHERE SHOWN AS 12X12). ALL CEILING DIFFUSERS TO HAVE ROUND NECKS.	CFM SHOWN ON PLANS. NECK & RUN-OUT SIZED PER THE FOLLOWING: CFM / NECK SIZE / RUN-OUT SIZE 0 - 100 / 6" / 6" 101 - 200 / 8" / 8" 201 - 300 / 10" / 10" 301 - 500 / 12" / 12" 501 - 750 / 15" / 15" 751 - 1000 / 18" / 18"	TITUS OMNI
"R", "E", "T"	200R / CFM R24 / SQUARE NECK SIZE	CEILING MOUNTED RETURN (R), EXHAUST (E), OR TRANSFER (T) EGGCRATE GRILLE. ALL GRILLES IN A LAY-IN CEILING TO HAVE A 24X24 CEILING PANEL.	CFM SHOWN ON PLANS. NECK SIZED PER THE FOLLOWING: CFM / NECK SIZE 0 - 100 / 6x6 101 - 200 / 8x8 201 - 350 / 10x10 351 - 500 / 12x12 501 - 750 / 14x14 751 - 950 / 16x16 951 - 1200 / 18x18 1201 - 1500 / 20x20 1501 - 2000 / 24x24	TITUS 50F
SR	SR12X6 / 200 / CFM / W x H	SIDEWALL SUPPLY REGISTER.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS 272FL
WRG / WTG	WRG12X6 / 200 / CFM / W x H	WALL RETURN GRILLE / WALL TRANSFER GRILLE.	SIZE (WxH) IN INCHES & CFM SHOWN.	TITUS 350FL

NOTES:

1. SEE SPECIFICATIONS FOR FINISH AND CONSTRUCTION MATERIAL FOR EACH AIR DEVICE.
2. COORDINATE WITH ARCHITECT'S CEILING PLAN FOR LAY-IN OR SURFACE MOUNTING OF CEILING MOUNTED AIR DEVICES.
3. COORDINATE LOCATIONS OF CEILING MOUNTED AIR DEVICES WITH LIGHT FIXTURES, SPRINKLER HEADS, AND OTHER CEILING MOUNTED DEVICES. DO NOT SCALE MECHANICAL DRAWINGS FOR LOCATIONS.

HEATER SCHEDULE BALL FIELDS

HEATER TYPE:

1. ELECTRIC WALL HEATER.
   BASIS OF DESIGN: MARKEL 3450

NOTE:

SEE FLOOR PLAN FOR QUANTITIES

ACCESSORIES:

1. SURFACE MOUNTING.
2. UNIT MOUNTED THERMOSTAT.
3. CONCEALED ON/OFF SWITCH.
4. HIGH LIMIT CONTROLS.
5. BUILT-IN CIRCUIT BREAKER.

MARK	TYPE	SIZE	ELECTRICAL			ACCESSORIES
			V	PH	HZ	
EWH-A	1	2 Kw	208 V	1	60	1,2,3,4,5
EWH-B	1	4 Kw	208 V	1	60	1,2,3,4,5

THRU-WALL HEAT PUMP SCHEDULE

SYMBOL	NOMINAL CFM	EVAP. FAN MOTOR	COND. FAN MOTOR	COOLING CAP. (MBH.) ARI	CFM OSA	COOLING WATTS	COOLING AMPS	EER MIN.	COMP. HEATING CAP. (MBH)	AUX. ELECT. HEATER	ELECT. VOLTAGE	FUSE SIZE	QUANTITY	REMARKS
TWHP-A	350	0.5 AMPS 1/15 HP	0.7 AMPS 1/8 HP	13.8	50	1505	5.9 42.0	10.0	14.1 @ 47° F	4.1 Kw	208/1/60	30	2	1. EQUAL TO TRANE PTHB15. 2. COOLING CAPACITY 80/67 EAT 95 AMBIENT. 3. PROVIDE SUBBASE W/ LEVELING LEGS, UL APPROVED FUSE HOLDER, MANUAL DISCONNECT SWITCH, PLUG-IN POWER CORD TO SUB-BASE. 4. PROVIDE ARCHITECTURAL GRILLE. COLOR BY ARCHITECT. 5. THERMOSTAT, 2 STAGE HEAT, 2 STAGE COOL W/ NIGHT SETBACK, 2 SPEED FAN. 6. PROVIDE WALL SLEEVE EXTENSIONS AS REQUIRED SO UNIT WILL EXTEND INTO ROOM ENOUGH FOR USE WITH SUBBASE. COORDINATE W/ ARCH DWG'S AND GEN. CONT.

DEHUMIDIFIER SCHEDULE

UNIT TYPE:

1. WALL MOUNT DEHUMIDIFIER , (MANUFACTURER/MODEL: SANTE-FE ULTRA MD33 OR APPROVED EQUAL.)

ACCESSORIES:

1. SURFACE MOUNT KIT.
2. INTERNAL DIGITAL DEHUMIDISTAT - SET TO 55% RH.

NOTE:

1. PROVIDE ACCESS FOR SERVICING UNIT.
2. SEE PLANS FOR QUANTITIES.

MARK	TYPE	WATER REMOVAL	AIR FLOW (CFM)	ELECTRICAL			MCA	MOCP	Unit Weight (LBS)	ACCESSORIES
				V	PH	HZ				
DH-A	1	33 PINTS/DAY	155	120 V	1	60	2.8 A	15 A	60	1,2

FAN SCHEDULE BALL FIELDS

FAN TYPE:

1. CEILING EXHAUST FAN

FAN ACCESSORIES:

1. BACKDRAFT DAMPER.
2. DISCONNECT SWITCH.
3. ALUMINUM CEILING GRILLE.
4. 5A-120V FAN SPEED CONTROLLER.
5. INTERLOCK WITH LIGHT SWITCH.
6. WALL SWITCH.
7. THERMOSTAT

MARK	FAN TYPE	AIRFLOW (CFM)	E.S.P. (in-wg)	WHEEL SIZE	RPM	MOTOR HP	ELECTRICAL			ACCESSORIES	WEIGHT	BASIS OF DESIGN
							V	PH	HZ			MANUFACTURER
EF-BH1	1	140	0.375	8"	1117	52 W	120 V	1	60	1,2,3,4,5	30	Loren Cook Company
EF-BH2	1	140	0.375	8"	1117	52 W	120 V	1	60	1,2,3,4,5	30	Loren Cook Company
EF-BH3	1	300	0.375	6"	1479	104 W	120 V	1	60	1,2,3,4,6	35	Loren Cook Company
EF-BV1	1	210	0.375	8"	1337	97 W	120 V	1	60	1,2,3,4,7	35	Loren Cook Company
EF-C1	1	350	0.375	6"	1239	106 W	120 V	1	60	1,2,3,4,5	35	Loren Cook Company
EF-C2	1	360	0.375	6"	1258	109 W	120 V	1	60	1,2,3,4,6	35	Loren Cook Company
EF-C3	1	360	0.375	6"	1258	109 W	120 V	1	60	1,2,3,4,6	35	Loren Cook Company
EF-C4	1	50	0.375	8"	758	27 W	120 V	1	60	1,2,3,4,6	30	Loren Cook Company
EF-C5	1	350	0.375	6"	1239	106 W	120 V	1	60	1,2,3,4,5	35	Loren Cook Company
EF-SH1	1	140	0.375	8"	1117	52 W	120 V	1	60	1,2,3,4,5	30	Loren Cook Company
EF-SH2	1	140	0.375	8"	1117	52 W	120 V	1	60	1,2,3,4,5	30	Loren Cook Company
EF-SH3	1	300	0.375	6"	1479	104 W	120 V	1	60	1,2,3,4,6	35	Loren Cook Company
EF-SV1	1	150	0.375	8"	877	68 W	120 V	1	60	1,2,3,4,7	35	Loren Cook Company

OUTDOOR HEAT PUMP SCHEDULE (SINGLE MINI SPLIT SYSTEM)

TYPE:

1. OUTDOOR HEAT PUMP

NOTES:

1. AIRFLOW RATED AT HIGH FAN SPEED.
2. POWER FOR INDOOR UNIT IS FED FROM OUTDOOR UNIT.
3. COOLING CAPACITY RATED AT 95°F.
4. HEATING CAPACITY RATED AT 47°F.
5. REFRIGERANT CIRCUIT ACCESS PORTS LOCATED OUTDOORS SHALL BE FITTED WITH LOCKING TYPE TAMPER RESISTANT CAPS.

MARK	TYPE	COOLING CAPACITY	HEATING CAPACITY	ELECTRICAL					EFFICIENCY		BASIS OF DESIGN
				V	PH	HZ	MCA	MOCP	SEER	HSPF	
HP-BH1	1	9 MBH	11 MBH	208 V	1	60	7.6 A	15.0 A	22.4	12.2	DAIKIN
HP-BH2	1	30 MBH	34 MBH	208 V	1	60	29.1 A	35 A	17.2	10.2	DAIKIN
HP-C1	1	30 MBH	34 MBH	208 V	1	60	29.1 A	35 A	17.2	10.2	DAIKIN
HP-C2	1	30 MBH	34 MBH	208 V	1	60	29.1 A	35 A	17.2	10.2	DAIKIN
HP-C3	1	18 MBH	21 MBH	208 V	1	60	19.0 A	20 A	19.8	11.2	DAIKIN
HP-SH1	1	9 MBH	11 MBH	208 V	1	60	7.6 A	15.0 A	22.4	12.2	DAIKIN
HP-SH2	1	30 MBH	34 MBH	208 V	1	60	29.1 A	35 A	17.2	10.2	DAIKIN

INDOOR HEAT PUMP SCHEDULE (SINGLE MINI SPLIT SYSTEM)

TYPE:

1. INDOOR, WALL MOUNT
2. CEILING CASSETTE

NOTES:

1. AIRFLOW RATED AT HIGH FAN SPEED.
2. POWER FOR INDOOR UNIT IS FED FROM OUTDOOR UNIT.
3. COOLING CAPACITY RATED AT 95°F.
4. HEATING CAPACITY RATED AT 47°F.

ACCESSORIES:

1. 3-POLE DISCONNECT SWITCH.
2. HARD WIRED UNIT CONTROLLER.
3. FULL PORT BALL VALVES & SCHRADER VALVES WITH FLARED CONNECTIONS.
4. CONDENSATE PUMP (120/1/60) - 1 GPH @ 33 FT. HD.
5. FRESH AIR INTAKE

MARK	TYPE	AIRFLOW	COOLING CAPACITY	HEATING CAPACITY	DIMENSIONS (WxLxH)	ELECTRICAL				ACCESSORIES	BASIS OF DESIGN
						V	PH	HZ	MCA		
AC-BH1	2	380	9 MBH	11 MBH	23" x 23" x 10"	208 V	1	60	1 A	1,2,3,4,5	DAIKIN
AC-BH2	2	1100	30 MBH	34 MBH	33" x 33" x 12"	208 V	1	60	1 A	1,2,3,4	DAIKIN
AC-C1	2	1100	30 MBH	34 MBH	33" x 33" x 12"	208 V	1	60	1 A	1,2,3,4	DAIKIN
AC-C2	2	1100	30 MBH	34 MBH	33" x 33" x 12"	208 V	1	60	1 A	1,2,3,4	DAIKIN
AC-C3	1	580	18 MBH	21 MBH	42" x 10" x 14"	208 V	1	60	1 A	1,2,3,4	DAIKIN
AC-SH1	2	380	9 MBH	11 MBH	23" x 23" x 10"	208 V	1	60	1 A	1,2,3,4,5	DAIKIN
AC-SH2	2	1100	30 MBH	34 MBH	33" x 33" x 12"	208 V	1	60	1 A	1,2,3,4	DAIKIN

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Project Number :
50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

CHRISTOPHER L. ROBINSON
LICENSED
10/24/2023
No. 27475
PROFESSIONAL
ENGINEER

SHEET TITLE:
MECHANICAL - LEGENDS & SCHEDULES

PROJ. MGR.: –	CLR
DRAWN:	LMR
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:

M0.1

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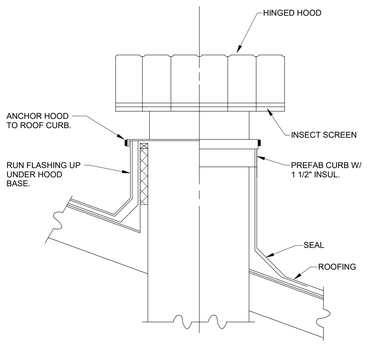
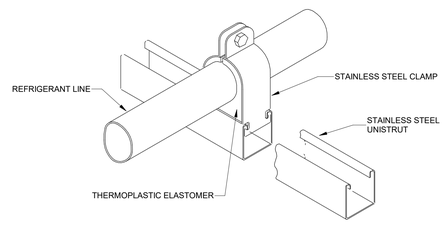


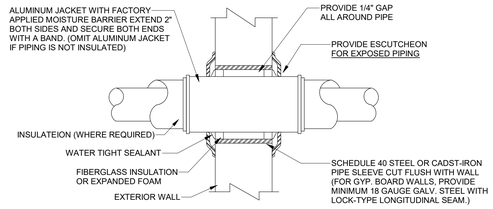
OUTSIDE AIR HOOD DETAIL - SLOPED ROOF
NO SCALE



REFRIGERANT LINE SUPPORT DETAIL
NO SCALE

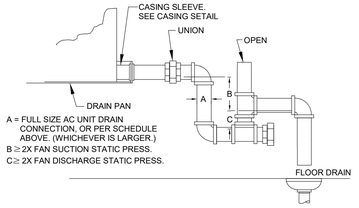
NOTE:
1. WHEREVER THE SUPPLY DUCT HEIGHT IS INSUFFICIENT TO CONNECT THE SPIN-IN, THE SPIN-IN MAY BE CONNECTED TO THE TOP OR BOTTOM OF THE DUCT. IF THE BRANCH DUCT MUST BE CONNECTED TO THE SIDE OF THE MAIN DUCT, USE A RECTANGULAR BRANCH DUCT CONNECTION OF EQUAL AIR VELOCITY AND TRANSITION TO ROUND DUCT. REFER TO SPECIFICATION FOR MAXIMUM TURNS IN FLEX DUCT.
2. PROVIDE EXTERNAL INSULATION ON ALL ROUND BRANCH DUCTWORK.SEE SPECS FOR THICKNESS AND EXTENT.
3. PROVIDE EXTERNAL INSULATION ON BACK SIDE OF CEILING DIFFUSERS. THICKNESS TO MATCH BRANCH DUCT INSULATION THICKNESS.

CEILING DIFFUSER INSTALLATION DETAIL
NO SCALE



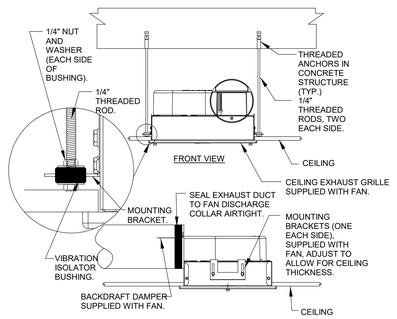
PIPE PENETRATION DETAIL
NO SCALE

MINIMUM CONDENSATE PIPE SIZE	
AC TONS	MIN. DRAIN SIZE
0 TO 20	1"
21 TO 40	1-1/4"
41 TO 60	1-1/2"
61 TO 100	2"
101 TO 250	3"
251 & LARGER	4"

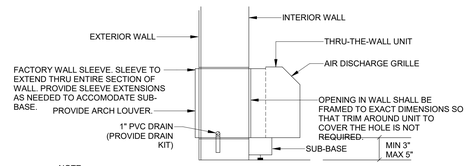


A = FULL SIZE AC UNIT DRAIN CONNECTION, OR PER SCHEDULE ABOVE. (WHICHEVER IS LARGER.)
B ≥ 2X FAN SUCTION STATIC PRESS.
C ≥ 2X FAN DISCHARGE STATIC PRESS.

AC UNIT DRAIN TRAP DETAIL
NO SCALE

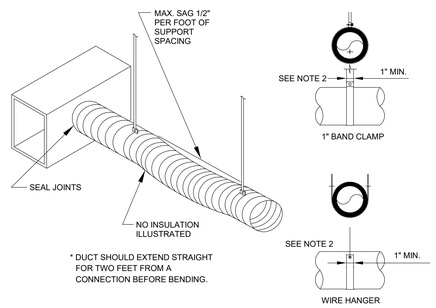


CEILING EXHAUST FAN DETAIL
NO SCALE



NOTE:
ELECTRICAL CONTRACTOR TO HARDWIRE SUB-BASE. CORD FROM UNIT SHALL PLUG INTO SUB-BASE OUTLET. VERIFY ACTUAL WALL SECTION AND MOUNTING HEIGHT W/ ARCHITECTURAL PLANS.

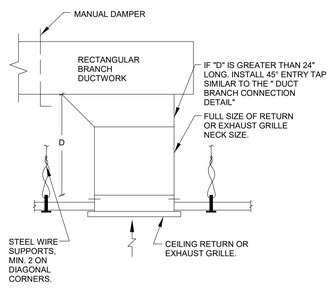
THRU-WALL AC UNIT DETAIL
NO SCALE



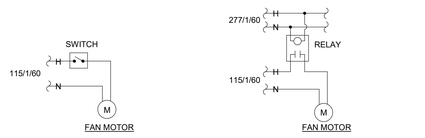
* DUCT SHOULD EXTEND STRAIGHT FOR TWO FEET FROM A CONNECTION BEFORE BENDING.

NOTES:
1. SUPPORT SYSTEM MUST NOT DAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE.
2. DUCTS ARE FLEXIBLE WITH EXTERNAL INSULATION AND VAPOR BARRIER JACKETING.
3. MIN. CENTER LINE BEND LINE RADIUS IS ONE DIA. (OR INSIDE RADIUS OF D/2).
4. FLEXIBLE DUCT LENGTH SHALL NOT EXCEED 5 LINEAR FEET.

FLEXIBLE DUCT SUPPORT DETAIL
NO SCALE



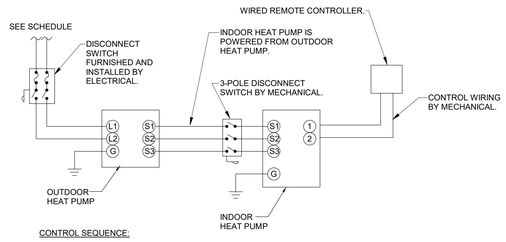
CEILING RETURN/EXHAUST BRANCH CONNECTION DETAIL
NO SCALE



EXHAUST FAN CONTROLLED BY SWITCH.

EXHAUST FAN CONTROLLED BY LIGHTING CIRCUIT.

EXHAUST FAN CONTROLS
NO SCALE



CONTROL SEQUENCE:
THE AC UNIT SHALL BE CONTROLLED BY A WIRED WALL MOUNTED REMOTE CONTROLLER. THE CONTROLLER SHALL CYCLE ON COMPRESSOR(S) TO MAINTAIN COOLING SETPOINT (74°F - ADJUSTABLE) AND HEATING SETPOINT (70°F - ADJUSTABLE). ALL MINI-SPLIT AC UNITS THAT SERVE ELECTRICAL AND IT ROOMS SHALL NOT SET THEIR TEMPERATURE BACK AT NIGHT. FOR ALL MINI-SPLIT AC UNITS THAT SERVE OFFICES, CLASSROOMS, ETC. SHALL SET THEIR TEMPERATURE BACK TO 4°F ABOVE SETPOINT IN SUMMER AND 4°F BELOW SETPOINT IN THE WINTER. COORDINATE WITH OWNER TO ESTABLISH OCCUPIED / UNOCCUPIED SCHEDULES.

DUCTLESS SPLIT SYSTEM CONTROLS
NO SCALE

SHEET TITLE:
MECHANICAL - CONTROLS AND DETAILS

PROJ. MGR.: –	CLR
DRAWN:	LMR
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66

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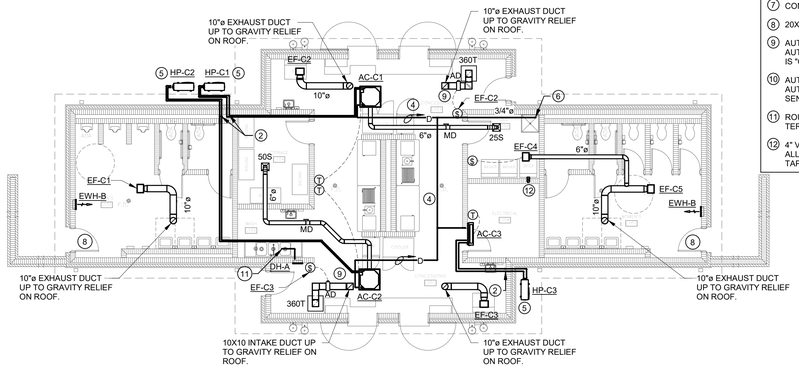
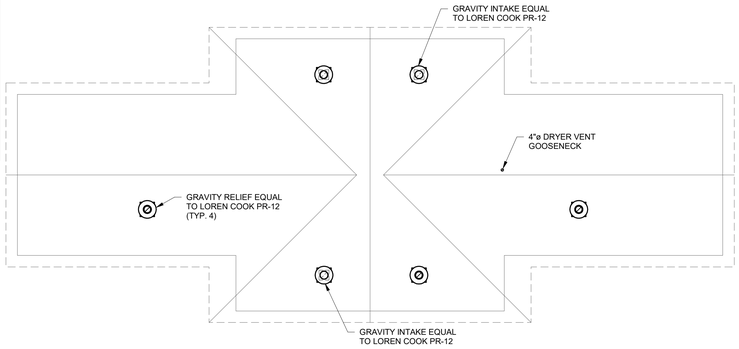
LATHAN ARCHITECTS

KEY NOTES

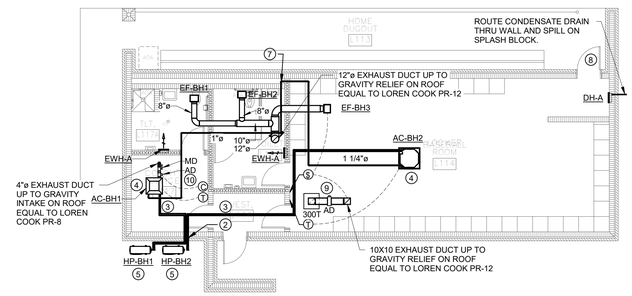
1. FULL SIZE CONDENSATE DRAIN LINE TO TURN DOWN TO SPILL ON SPLASH BLOCK.
2. ROUTE REFRIGERANT LINES UP IN EXTERIOR WALL TO ABOVE CEILING THEN TO RESPECTIVE INDOOR UNIT.
3. ROUTE REFRIGERANT LINES AS HIGH AS POSSIBLE FROM OUTDOOR UNIT TO INDOOR UNIT.
4. ROUTE CONDENSATE DRAIN LINES AS HIGH AS POSSIBLE.
5. PROVIDE 4" CONCRETE PAD.
6. CONDENSATE DRAIN LINE DOWN TO JANITORS SINK.
7. CONDENSATE DRAIN LINE DOWN TO DRAIN BOX (SEE PLUMBING).
8. 20X20 DOOR LOUVER EQUAL TO TITUS CT-700L
9. AUTOMATIC DAMPER TO BE NORMALLY CLOSED. INTERLOCK AUTOMATIC DAMPER TO OPEN WHEN ASSOCIATED EXHAUST FAN IS "ON".
10. AUTOMATIC DAMPER TO BE NORMALLY CLOSED. INTERLOCK AUTOMATIC DAMPER TO OPEN WHEN WALL MOUNTED CO2 SENSOR INDICATES CO2 LEVELS ARE ABOVE 1000 PPM.
11. ROUTE CONDENSATE DRAIN UNDER 3 COMPARTMENT SINK AND TERMINATE AT FLOOR SINK.
12. 4" VENT TO GOOSENECK ON ROOF WITH BACKDRAFT DAMPER. ALL JOINTS AND SEAMS IN DRYER EXHAUST DUCTWORK TO BE TAPED (NO SCREWS ALLOWED).



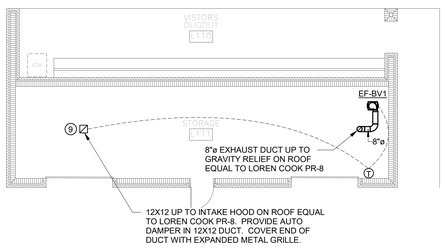
1 MECHANICAL - CONCESSIONS FLOOR PLAN
1/8" = 1'-0"



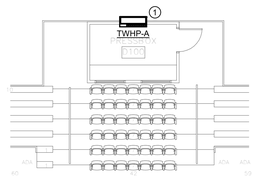
2 MECHANICAL - CONCESSIONS ROOF PLAN
1/8" = 1'-0"



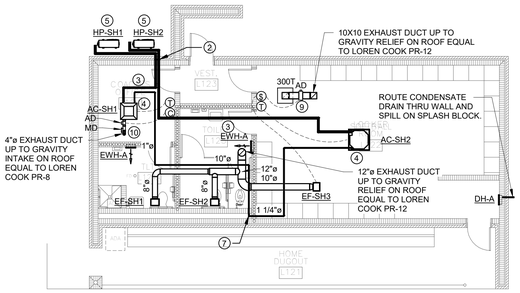
3 MECHANICAL - BASEBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



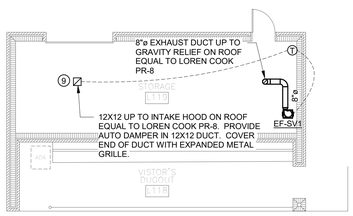
4 MECHANICAL - BASEBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"



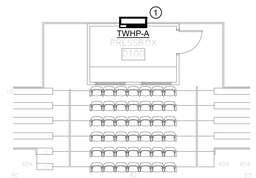
7 MECHANICAL - BASEBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"



5 MECHANICAL - SOFTBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



6 MECHANICAL - SOFTBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"



8 MECHANICAL - SOFTBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

CHRISTOPHER L. ROBINSON
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No. 27475
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SHEET TITLE:
MECHANICAL - FLOOR PLANS

PROJ. MGR.:	– CLR
DRAWN:	LMR
DATE:	– 10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:

M1.1

TELE/DATA

WAP	DATA OUTLET AT CEILING FOR WIRELESS ACCESS POINT.
▷	DATA OUTLET, 1 VOICE CONNECTION.
W ▷	WALL TELEPHONE WITH CONDUIT, TO ABOVE ACCESSIBLE CEILING U.O.N. 1 VOICE CONNECTION. TO BE MOUNTED AT 4'-6" AFF
▷	VOICE/DATA OUTLET WITH CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
▷ AC	ABOVE COUNTER VOICE/DATA OUTLET WITH CONDUIT STUBBED ABOVE ACCESSIBLE CEILING U.O.N.
(E)	EMERGENCY PHONE
TBB	BACKBOARD, 4'X8'X3/4" PLYWOOD WITH 2 COATS OF FIRE RETARDENT BLUE ENAMEL PAINT.

TELE/DATA CONDUIT SIZING CHART	
TOTAL NUMBER OF CABLES	CONDUIT SIZE
1-4	3/4"C.
5-7	1"C.
8-12	1 1/4"C.

NOTES

1. CONDUIT SIZES ARE BASED ON NEC 40% FILL CAPACITY WITH ALL CABLES HAVING AN OUTSIDE DIAMETER OF 0.25".
2. #V AND #D DENOTE THE NUMBER OF VOICE AND DATA CABLES RESPECTIVELY.
3. PROVIDE 2 GANG BOX WITH 1 GANG PLASTER RING FOR ALL OUTLETS.
4. ALL OUTLETS ARE TO HAVE TWO (2) VOICE AND TWO (2) DATA CONNECTIONS U.O.N.

SECURITY

CR	CARD READER
	CCTV CAMERA
MTV	CCTV MONITOR - WALL MOUNTED UNLESS NOTED WITH "c"
CCTV	CCTV OUTLET - POWER SUPPLY
DC	DOOR CONTACT
DL	ELECTRIC DOOR LOCK-HINGE OR MOTORIZED BOLT
ML	ELECTRIC DOOR MOTOR LOCK
ES	ELECTRIC DOOR STRIKE
	PUSH BUTTON
(S)	HORN SPEAKER
IC	INTERCOM CALL STATION
DS	INTERCOM DUTY STATION
MI	INTERCOM MASTER STATION
KP	KEYPAD
SCP	SECURITY CONTROL PANEL

AUDIO - VISUAL

A	AMPLIFIER
(M)	MICROPHONE OUTLET, CEILING MOUNTED
M	MICROPHONE OUTLET, WALL MOUNTED
M	MICROPHONE OUTLET, FLOOR MOUNTED
IC	INTERCOMM CALL-IN STATION
MI	INTERCOMM MASTER STATION
	EQUIPMENT RACK
(S)	SPEAKER, CEILING MOUNTED, FLUSH ('S' DENOTES SURFACE MOUNTED)
SM	SPEAKER WITH INTERCOMM MICROPHONE, CEILING MOUNTED
TV	TV / MONITOR
VC	VOLUME CONTROL
S	SPEAKER, WALL MTD, FLUSH ('S' DENOTES SURFACE MOUNTED)
(V)	VIDEO CONNECTOR OUTLET, CEILING MOUNTED
V	VIDEO CONNECTOR OUTLET, WALL MOUNTED
V	VIDEO CONNECTOR OUTLET, FLOOR MOUNTED
(A)	AUDIO CONNECTOR OUTLET, CEILING MOUNTED
A	AUDIO CONNECTOR OUTLET, WALL MOUNTED
A	AUDIO CONNECTOR OUTLET, FLOOR MOUNTED
S	SPEAKER CONNECTOR OUTLET, FLOOR MOUNTED
A V M	MULTI-SERVICE WALL BOX
A V M	MULTI-SERVICE FLOOR BOX
A/V	AUDIO/VIDEO POKE-THRU
S	SPEAKER WIRE

SITE ELECTRICAL

	PAD MOUNTED TRANSFORMER
PMS	PAD MOUNTED SWITCH
P	ELECTRICAL SERVICE RISER POLE
P	UTILITY POLE

PANELBOARDS

	ELECTRICAL PANEL: SEE PANELBOARD SCHEDULE AND SPECIFICATIONS.

SWITCHES

$	SINGLE POLE SWITCH, 20A, 125/277V.
3$	THREE WAY SWITCH, 20A, 125/277V.
4$	FOUR WAY SWITCH, 20A, 125/277V.
K$	KEY OPERATED SWITCH, 1-POLE, 20A, 125/277V.
T$	TIME SWITCH, 1-POLE, 20A, 125/277V.
LVD	LOW VOLTAGE DIMMING SWITCH - "ON/OFF/RAISE-LOWER"
LV$	LOW VOLTAGE SWITCH - TWO BUTTON "ON/OFF"
MM$	MOTOR RATED SWITCH, 20A RATED UNLESS OTHERWISE NOTED, NUMERIC SUBSCRIPT INDICATES # OF POLES. 125/250/277/600V RATED.
D$	DIMMER SWITCH, ON/OFF AND 0-10V DIMMING
TOR	MOMENTARY PUSHBUTTON, 2-HOUR TIMED OVERRIDE
	VACANCY SENSOR, WALL MTD (MANUAL ON / AUTO OFF), SUBSCRIPT 'D' INDICATES DIMMING.
	OCCUPANCY SENSOR, WALL MTD (AUTO ON / AUTO OFF), SUBSCRIPT 'D' INDICATES DIMMING.
	VACANCY SENSOR, CEILING MTD (MANUAL ON / AUTO OFF)
	OCCUPANCY SENSOR, CEILING MTD (AUTO ON / AUTO OFF)
	DAYLIGHT SENSOR, CEILING MTD
PE	PHOTO-ELECTRIC / PHOTOCELL SWITCH
LM	LIGHTING CONTROL MODULE.

RECEPTACLES

WALL MOUNTED

	DUPLEX RECEPTACLE - NEMA 5-20R
GFI	GROUND FAULT RECEPTACLE - NEMA 5-20R GF
	RECEPTACLE - MTD ABOVE COUNTER - NEMA 5-20R
WP	WEATHER PROOF RECEPTACLE - NEMA 5-20R GFCI W/ WET LOCATION COVER
	QUADRUPLEX RECEPTACLE - NEMA 5-20R
	QUADRUPLEX RECEPTACLE - MTD ABOVE COUNTER - NEMA 5-20R
USB	DUPLEX RECEPTACLE - NEMA 5-20R WITH TWO FULL OUTPUT USB PORTS

POWER

F	FAN / FAN-COIL UNIT
AC	PACKAGED AIR CONDITIONING UNIT
	ELECTRIC DUCT HEATER
H	UNIT HEATER WITH FAN
	ELECTRIC BASEBOARD HEATER
H	ELECTRIC CABINET HEATER
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC STARTER & DISCONNECT SWITCH
R	RELAY
	ELECTRIC MOTOR
	DISCONNECT SWITCH, UNFUSED, 30A, 3P UNLESS OTHERWISE NOTED.
	DISCONNECT SWITCH, FUSED, 30A, 3P UNLESS OTHERWISE NOTED.
TS	TIME CLOCK SWITCH
VD	VARIABLE SPEED / VARIABLE FREQUENCY DRIVE
C	CONTACTOR
	CIRCUIT BREAKER, INDIVIDUALLY ENCLOSED
CP	CONTROL PANEL
M	METER (WITH SOCKET ASSSEMBLY)

JUNCTION & OUTLET BOXES

J	JUNCTION BOX - CEILING MOUNTED
CJ	POWER JUNCTION BOX - CEILING MOUNTED
TDJ	TELE DATA JUNCTION BOX - CEILING MOUNTED
J	JUNCTION BOX - FLOOR MOUNTED
J	JUNCTION BOX - WALL MOUNTED
J	OUTLET BOX - WALL MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT
CJ	OUTLET BOX - CEILING MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT
J	OUTLET BOX - FLOOR MOUNTED, WITH FLEXIBLE HARD WIRED CONNECTION TO EQUIPMENT

LIGHTING (SEE LUMINAIRE SCHEDULE)

CEILING-RECESSED

	RECESSED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN
	RECESSED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. EMERGENCY EGRESS LIGHTING.
	RECESSED LUMINAIRE
	RECESSED LUMINAIRE. EMERGENCY EGRESS LIGHTING.
	RECESSED WALL WASHER
	RECESSED WALL WASHER. EMERGENCY EGRESS LIGHTING.

CEILING-SURFACE/PENDANT

	SURFACE OR STEM MOUNTED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN.
	SURFACE OR STEM MOUNTED LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. CONNECTED TO LIFE SAFETY EMERGENCY POWER SYSTEM.
	SURFACE OR PENDANT MOUNTED LUMINAIRE
	SURFACE OR PENDANT MOUNTED LUMINAIRE. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
	SURFACE MOUNTED WALL WASHING LUMINAIRE
	SURFACE MOUNTED WALL WASHING LUMINAIRE. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
	SURFACE OR STEM MOUNTED FLUORESCENT STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN.
	SURFACE OR STEM MOUNTED STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
	TRACK LIGHT
	CEILING FAN
	EXIT SIGN - CEILING MOUNTED, DOUBLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
	EXIT SIGN - CEILING MOUNTED, SINGLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE

WALL

	WALL MOUNTED LUMINAIRE
	WALL MOUNTED LUMINAIRE. CRITICAL LIGHTING.
	WALL MOUNTED LUMINAIRE LIFE SAFETY EMERGENCY EGRESS LIGHTING.
	WALL MOUNTED LINEAR LUMINAIRE
	WALL MOUNTED STRIP LUMINAIRE - SINGLE OR CONTINUOUS LENGTHS AS SHOWN. LIFE SAFETY EMERGENCY EGRESS LIGHTING.
	EXIT SIGN - BACK MOUNTED, SINGLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
	EXIT SIGN - END MOUNTED, DOUBLE FACE WITH CHEVRONS AS SHOWN. SEE LUMINAIRE SCHEDULE
	EMERGENCY EGRESS LIGHT.

LIGHTING - EXTERIOR

(SEE LUMINAIRE SCHEDULE)

	BOLLARD
	GROUND MOUNTED SPOT, FLOOD OR WELL LIGHT
	POLE-ARM MOUNTED AREA LIGHT
	POLE-TOP MOUNTED AREA LIGHT
	WALL MOUNTED FLOOD OR AREA LIGHT

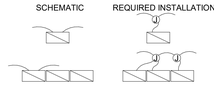
BRANCH CIRCUITS

- CONCEALED IN CEILING, WALL, OR IN CEILING SLAB.
- CONCEALED IN OR BELOW FLOOR OR UNDERGROUND.
- EXPOSED.
- EMPTY CONDUIT, 3/4" UNLESS OTHERWISE NOTED WITH NYLON PULL CORD.
- HOMERUN TO PANELBOARD AND 20A, 1P BREAKER, UON.
  NOTE: SHOWN 2#12 AND 1#12(G)-3/4"C,
  - 3#12 AND 1#12(G)-3/4"C
  - 4#12 AND 1#12(G)-3/4"C
  - 10 — 2#10 AND 1#10(G)-3/4"C
  - 10 /// 3#10 AND 1#10(G)-3/4"C

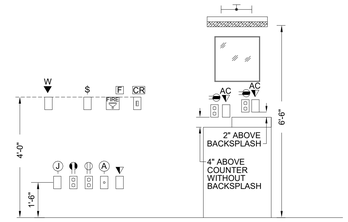
  SIZE CONDUIT PER NEC FOR GREATER NUMBER OF CONDUCTORS OR AS NOTED. THE NUMBER IN THE CIRCUIT INDICATES AWG WIRE SIZE AND HASHMARKS INDICATE NUMBER OF WIRES REQUIRED. GROUND WIRE SHALL BE SIZED IN ACCORDANCE WITH NEC TABLE 250-122. NUMBER OF HASHMARKS DO NOT INCLUDE GROUND WIRE.
- ● RISER: UP, RUNNING TO SOURCE.
- ○ RISER: DOWN, RUNNING TO SOURCE.

BRANCH CIRCUIT WIRING FOR LIGHTING IS SHOWN SCHEMATICALLY.
EACH LUMINAIRE IS TO BE INSTALLED WITH AN INDIVIDUAL FLEXIBLE CONNECTION.
FOR EXAMPLE:

SCHEMATIC REQUIRED INSTALLATION



STANDARD MOUNTING HEIGHTS



NOTES:

1. MOUNTING HEIGHTS SHOWN ARE FROM FINISHED FLOOR TO CENTERLINE OF OUTLET, UNLESS OTHERWISE NOTED.
2. LOCATIONS OF OUTLETS SHOWN ON ARCHITECTURAL ELEVATIONS SHALL TAKE PRECEDENCE OVER THESE MOUNTING HEIGHTS. FIELD LOCATE OUTLETS WITH ARCHITECT DURING ROUGH-IN.
3. INSTALL OUTLETS THAT ARE IN CLOSE PROXIMITY ON THE SAME CENTERLINE. OUTLETS THAT ARE WITHIN 2'-0" HORIZONTALLY AND WITHIN 1'-0" VERTICALLY SHALL BE INSTALLED ON THE SAME HORIZONTAL CENTERLINE LOCATED HALF WAY BETWEEN THE HEIGHTS SHOWN. OUTLETS THAT ARE MORE THAN 1'-0" APART VERTICALLY SHALL BE INSTALLED ON THE SAME VERTICAL CENTERLINE.

ELECTRICAL NOTES

1. THESE DRAWINGS ARE A PART OF A COMPLETE SET OF ARCHITECTURAL/ENGINEERING CONTRACT DOCUMENTS. ELECTRICAL CONTRACTOR SHOULD REFER TO THE ARCHITECTURAL DRAWINGS FOR ACTUAL LOCATION OF ITEMS WHERE SPECIFIED. SEE SAID CONFIGURATIONS FOR WALL DEFINITIONS, ELEVATIONS, CASEWORK, REFLECTED CEILING PLAN, ETC. ROUGH-IN INSTALLATIONS WHICH ARE NOT LOCATED ACCORDING TO THE ARCHITECTURAL ELEVATIONS SHALL BE RELOCATED AT NO ADDITIONAL COST.
2. CEILING CLEARANCES ARE CRITICAL FOR THIS PROJECT. GENERAL CONTRACTOR MUST COORDINATE ALL TRADES TO AVOID POTENTIAL INTERFERENCES. CONFLICTS BETWEEN TRADES SHALL BE REFERRED TO THE ARCHITECT FOR RESOLUTION.
3. ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE NEC AND LOCAL ORDINANCES. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL NECESSARY PERMITS.
4. ALL SYMBOLS SHOWN ON THIS LEGEND MAY NOT BE USED.
5. ALL PANELBOARDS ARE 3Ø 4W UNLESS OTHERWISE NOTED.
6. ALL BRANCH CIRCUIT CONDUIT SHALL BE 3/4" CONDUIT MINIMUM PER SPECIFICATIONS.
7. ALL CIRCUITS SHOWN CONCEALED SHALL BE RUN IN FURRED CEILING SPACES AND SHALL BE CONCEALED IN CONCRETE SLAB ONLY WHEN NO FURRED CEILING SPACE IS PROVIDED.
8. ALL CONDUITS CROSSING EXPANSION JOINTS SHALL HAVE EXPANSION TYPE FITTINGS.
9. ALL OUTLET BOXES MOUNTED BACK-TO-BACK IN WALLS SHALL HAVE SOUND INSULATING MATERIAL INSTALLED BETWEEN THE BOXES TO PREVENT SOUND TRANSMISSION FROM ONE ROOM TO THE OTHER.
10. ALL FLUSH MOUNTED PANELS SHALL HAVE 3-1" EMPTY CONDUITS STUBBED OUT ABOVE CEILING FOR FUTURE CIRCUITS.
11. ALL WALL OUTLETS NOT PROVIDED WITH A DEVICE BY THIS CONTRACTOR SHALL BE PROVIDED WITH BLANK WALL PLATES.
12. ALL BRANCH CIRCUITS SHALL INCLUDE A GREEN COVERED GROUND WIRE SIZED PER NEC OR AS SHOWN. CONNECT TO EACH DEVICE AND OUTLET BOX ON THE CIRCUIT AND TO THE PANELBOARD GROUND BUS. NUMBER OF WIRES SHOWN ON DRAWINGS DOES NOT INCLUDE GROUND WIRE.
13. FINAL EQUIPMENT CONNECTIONS - THIS CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR & MATERIALS REQUIRED TO MAKE FINAL CONNECTIONS TO ALL EQUIPMENT FURNISHED BY THIS CONTRACTOR AND/OR EQUIPMENT FURNISHED BY OTHERS. VERIFY ALL REQUIREMENTS, CONDUCTOR SIZE, OVERCURRENT PROTECTION, PHASE, VOLTAGE, MOTOR ROTATION, ETC., WITH EQUIPMENT SUPPLIER PRIOR TO ROUGH-IN. PROVIDE FUSED DISCONNECT IF REQUIRED BY MANUFACTURER.
15. CONTRACTOR SHALL PROVIDE WARNING LABELS COMPLYING WITH NEC ARTICLE 110.16 ON NEW ELECTRICAL EQUIPMENT OR EXISTING EQUIPMENT THAT IS MODIFIED.
16. CONDUCTOR SIZES INDICATED ON THE DRAWINGS INCLUDE AMBIENT TEMPERATURE AND VOLTAGE DROP COMPENSATIONS. VOLTAGE DROP COMPENSATION INCLUDED IS UP TO 200' FOR 120/208V CIRCUITS AN 400' FOR 277/480V CIRCUITS. ADJUST CONDUCTOR SIZE TO LIMIT BRANCH CIRCUIT VOLTAGE DROP TO 3% IF INSTALLED FIELD LENGTHS ARE GREATER.
17. CONTRACTOR SHALL LABEL ALL PANELS WITH AVAILABLE FAULT CURRENT IN ACCORDANCE WITH NEC.
18. CONTRACTOR SHALL LABEL ELECTRICAL PANELBOARDS TO INDICATE THE DEVICE OR EQUIPMENT WHERE FEEDER ORIGINATES IN ACCORDANCE WITH NEC 408.4(B).
19. ALL BREAKERS IN SWITCHBOARD AND PANELBOARDS SHALL BE FULLY RATED. SERIES RATING IS NOT ALLOWED.
20. FOR ALL CONDUITS PASSING THROUGH RATED WALLS: PROVIDE FIRESTOPPING FOR RACEWAYS PENETRATING THROUGH RATED WALLS IN ACCORDANCE WITH NEC 300.21. PROVIDE ACCORDINGLY TO MAINTAIN FLOOR AND/OR WALL FIRE ASSEMBLY DESIGN AS INDICATED ON THE ARCHITECTURAL DRAWINGS AND AS REQUIRED.

ABBREVIATIONS

A	AMPERES
AA	AMBIENT AIR COOLED
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPERES INTERUPTING CAPACITY
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
C	CONDUIT RACEWAY
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CKTS	CIRCUITS
CTTS	CLOSED TRANSITION TRANSFER SWITCH
CU	COPPER
DIA	DIAMETER
EC	ELECTRICAL CONTRACTOR
EGB	EXTERNAL GROUND BUS
EM	EMERGENCY
EP	EXPLOSION PROOF
ERMS	ENERGY REDUCING MAINTENANCE SWITCH AS REQUIRED BY NEC 240.87
FA	FORCED AIR COOLED
FMC	FLEXIBLE METAL CONDUIT
G	GROUND
GFPE	GROUND FAULT PROTECTION FOR EQUIPMENT
GFI OR GFCI	GROUND FAULT PROTECTION FOR PERSONNEL
H	MOUNTING HEIGHT TO CENTERLINE
HID	HIGH INTENSITY DISCHARGE
HP	HORSE POWER
IG	ISOLATED GROUND
KCMIL	THOUSAND CIRCULAR MILS
KVA	KILOVOLT-AMPERES
KW	KILOWATT
LT	LIQUID TIGHT FLEXIBLE METAL CONDUIT
LSIA	BREAKER WITH LONG TIME, SHORT TIME, AND INSTANTANIOUS ADJUSTMENTS AND GROUND FAULT INDICATION ONLY
LSIG	BREAKER WITH LONG TIME, SHORT TIME, INTANTANIOUS, AND GROUND FAULT ADJUSTMENTS
MB	MAIN BREAKER
MLO	MAIN LUGS ONLY
MV	MEDIUM VOLTAGE
N	NEUTRAL
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
OC	ON CENTER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
P	POLES
PF	POWER FACTOR
PH	PHASES
PVC	POLYVINYL CHLORIDE RACEWAY
RELT	REDUCED ENERGY LET THROUGH AS REQUIRED BY NEC 240.87
RGS	RIGID GALVANIZED STEEL
SPD	SURGE PROTECTIVE DEVICE
TBB	TELEPHONE BACKBOARD
TMGB	TELECOMMUNICATIONS MAIN GROUND BUS
TX	TRANSFORMER
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS
W	WIRES
WP	WEATHERPROOF, NEMA 3R.
EX	EXISTING TO REMAIN
XR	EXISTING, REMOVE
XRR	EXISTING, REMOVE & RELOCATE
XRL	EXISTING, RELOCATED
XRB	EXISTING, REMOVE DEVICE AND INSTALL BLANK COVER
XRP	EXISTING, REMOVE AND REPLACE W/ NEW

DRAWING CONVENTIONS

- NEW WORK
- EXISTING TO REMAIN
- XR EXISTING TO REMOVE

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Project Number : 50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 51403
10/24/2023
JOSEPH MICHAEL MANDELL

SHEET TITLE:
ELECTRICAL - LEGEND AND NOTES

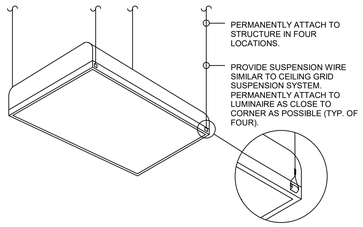
PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23

REVISIONS

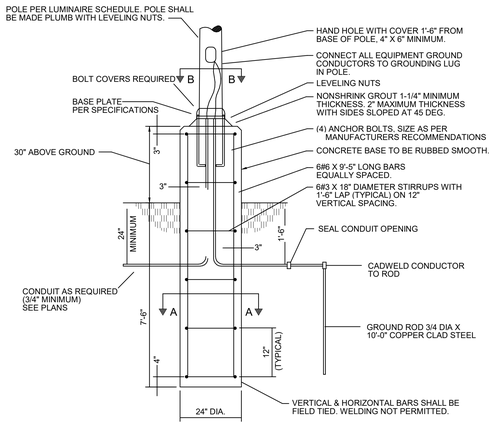
JOB NO. 23-66

SHEET NO:

E0.1



DETAIL
TYPICAL MOUNTING TROFFER
NO SCALE



NOTES:

1. 3500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 RE-BARS.

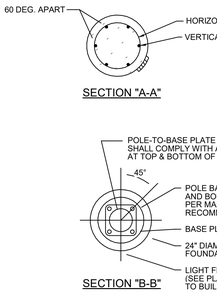
2. IF WATER IS PRESENT IN HOLE, REMOVE BEFORE POURING CONCRETE.

3. FOUNDATION EXCAVATION SHALL BE BY 24" AUGAR IN UNDISTURBED OR PROPERLY COMPACTED FILL.

4. MINIMUM ALLOWABLE SOIL BEARING PRESSURE 3000 PSF. NOTIFY ENGINEER IF BEARING PRESSURE IS LESS.

5. AIR ENTRAINMENT: 4 TO 6%.

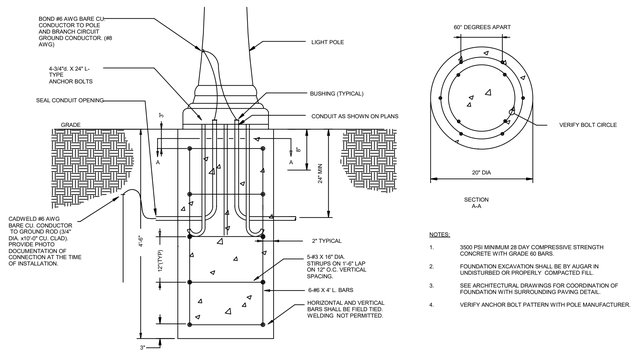
DETAIL - POLE BASE LIGHTING STANDARD FOR POLE MOUNTED FIXTURES
NOT TO SCALE



SECTION "A-A"

SECTION "B-B"

DETAIL - SECTION THRU POLE BASE
NOT TO SCALE



NOTES:

1. 3500 PSI MINIMUM 28 DAY COMPRESSIVE STRENGTH CONCRETE WITH GRADE 60 BARS.
2. FOUNDATION EXCAVATION SHALL BE BY AUGAR IN UNDISTURBED OR PROPERLY COMPACTED FILL.
3. SEE ARCHITECTURAL DRAWINGS FOR COORDINATION OF FOUNDATION WITH SURROUNDING PAVING DETAIL.
4. VERIFY ANCHOR BOLT PATTERN WITH POLE MANUFACTURER.

DETAIL - POLE BASE FOR FIXTURES BELOW 15'
NOT TO SCALE

LUMINAIRE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL	VOLT	LAMP	WATT	COLOR TEMP	DESCRIPTION	COMMENTS / OPTIONS
A	METALUX LITHONIA HE WILLIAMS	24CZ2-45-UNV-L835-CD-1 2BLT4-45L-ADP-GZ10-LP835 LT24-L52-835-AF-L45-DIM-U	MVOLT	LED 4500 LM	36 W	3500 K	2x4 LED RECESSED TROFFER, FROSTED ACRYLIC CURVED LENS.	SEE DETAIL - TYPICAL MOUNTING TROFFER
B	METALUX LITHONIA HE WILLIAMS	22CZ2-45-UNV-L835-CD-1 2BLT2-45L-ADP-GZ10-LP835 LT22-L52-835-AF-L45-DIM-U	MVOLT	LED 4500 LM	36 W	3500 K	2x2 LED RECESSED TROFFER, FROSTED ACRYLIC CURVED LENS.	SEE DETAIL - TYPICAL MOUNTING TROFFER
C	LA LIGHTING	WSE200-4-4L-WL-UNV-1-840-BLK(MATTE BLACK)	MVOLT	LED 4000 LM	34 W	4000 K	SURFACE MOUNTED LINEAR LED LUMINAIRE, 4'-0" LENGTH. HIGH IMPACT LENS, WET LOCATION RATED. 22 GA. COLD ROLLED STEEL HOUSING WITH 18 GA. END PLATES.	PROVIDE UNISTRUT AS REQUIRED FOR MOUNTING. DO NOT PENETRATE BATTING CAGE CANOPY
D	HALO LITHONIA HE WILLIAMS	HC4-15-D010-HM4-12-840-41-MD-W LDN4-35-1500-L04-AR-LSS-TRW-MVOLT-GZ10 4DR-L15-8-40-DIM-UNV-L-W-OF-CS-N-F1	MVOLT	LED 1500 LM	14 W	3500 K	LED 4" RECESSED ROUND DOWNLIGHT. SELF FLANGED, SEMI SPECULAR FINISH WITH MEDIUM THROW DISTRIBUTION. 0-10V DRIVER.	
F	METALUX LITHONIA HE WILLIAMS	4SNLED-LD4-47SL-LW-UNV-L840-CD-AYC ZL1D-L48-5000LM-FST-MVOLT-40K-80CR-WH-HC36 75R-4-L50-8-40-VBY-2-DIM-UNV	MVOLT	LED 5000 LM	50 W	3500 K	SUSPENDED 48" LED STRIP LIGHT EMERGENCY	PROVIDE CHAIN HANGER AND ALL REQUIRED MOUNTING HARDWARE.
K	LITHONIA HE WILLIAMS METALUX	2GTL-F-4-48L-A12125-GZ10-LP835-ABC 50G-S-2-4-L48-8-35-F-AF12125-TG-DIM-UNV 24GR-LD5-48-F125-UNV-L835-CD1-G1-U/DF-24W-U	MVOLT	LED 4800 LM	36 W	3500 K	2X4 LED RECESSED TROFFER WITH DOOR FRAME GASKETING. #12 PATTERN ACRYLIC, FROSTED, .125" THICK LENS.	PROVIDE WITH DOOR FRAME GASKETING. SEE DETAIL - TYPICAL MOUNTING TROFFER.
KE	LITHONIA HE WILLIAMS METALUX	2GTL-F-4-48L-A12125-GZ10-LP835-ABC-EL14L 50G-S-2-4-L48-8-35-F-AF12125-EM/12W-TG-DIM-UNV 24GR-LD5-48-F125-UNV-EL14W-L835-CD1-G1-U/DF-24W-U	MVOLT	LED 4800 LM	36 W	3500 K	2X4 LED RECESSED TROFFER WITH DOOR FRAME GASKETING. #12 PATTERN ACRYLIC, FROSTED, .125" THICK LENS. EMERGENCY	PROVIDE WITH EMERGENCY BATTERY BACKUP. PROVIDE WITH DOOR FRAME GASKETING. SEE DETAIL - TYPICAL MOUNTING TROFFER.
LU	SPI LIGHTING BIRCHWOOD PINNACLE	SEW12146 8FT-L-57W 120-277V 4000K DF MCS SMA HAI-LED-125 CLO 40 8FT XX FW XXX D1 RAS 1TR-R XX 6 MW-HE-40-WH-U-FSD-1-O	MVOLT	LED 5800 LM	57 W	4000 K	EXTERIOR 12" WALL-STEM, FORWARD THROW, 8FT LINEAR RUN	
PL	LITHONIA	RAD1-LED-P3-40K-PATH-240-RPA-PE-DBLXD / RSS-12-4B-DM19RAD-DDBXD	240	LED 7000 LM	54 W	4000 K	LED ROUND PATHWAY LIGHT, ARM MOUNTED ON A ROUND POLE. PATHWAY LIGHTING TYPE III DISTRIBUTION. SINGLE PIECE DIE-CAST ALUMINUM HOUSING. IP65 RATED.	SEE POLE BASE DETAIL FOR POLE MOUNTED LUMINAIRES MOUNTED BELOW 15'-0". PROVIDE WITH INTEGRAL PHOTOCELL FOR ON/OFF CONTROL.
S1	LITHONIA SIGNIFY MCGRAW-ED/HAPCO	DSX0 LED P4 40K 80CRI T3M 240 SPA PER5 HS DBLXD / SSS-22.5-4G-DM19AS-DBLXD OPF-S-A03-P05-840-T3M-BLC-AR1-240-BK / SSS-CB-4-7-D1-BK GALN-SA2B-740-240V-T3-XX-HSS / SSS-22.5-B4-4-XX	240	LED 10,000 LM	100 W	4000 K	LED AREA LIGHT SINGLE HEAD TYPE III DISTRIBUTION ON 22.5' STRAIGHT STEEL SQUARE POLE. BLACK FINISH.	SEE POLE BASE DETAIL FOR POLE MOUNTED LUMINAIRES MOUNTED ABOVE 15'-0". PROVIDE WITH INTEGRAL PHOTOCELL FOR ON/OFF CONTROL.
S2	LITHONIA SIGNIFY MCGRAW-ED/HAPCO	(2) DSX0 LED P4 40K 80CRI T4 240 SPA PER5 HS DBLXD/ SSS-22.5-4G-DM19AS-DBLXD (2)OPF-S-A03-P05-840-T4-BLC-AR1-240-BK / SSS-CB-4-7-D1-BK (2)GALN-SA2B-740-240V-T4-XX-HSS / SSS-22.5-B4-4-XX	240	LED 10,000 LM	100 W	4000 K	LED AREA LIGHT TWO HEAD FORWARD THROW ON 22.5' STRAIGHT STEEL SQUARE POLE. BLACK FINISH.	SEE POLE BASE DETAIL FOR POLE MOUNTED LUMINAIRES MOUNTED ABOVE 15'-0". PROVIDE WITH INTEGRAL PHOTOCELL FOR ON/OFF CONTROL.
SP-60	MUSCO	TLC	208	LED	400 W	4000 K	EXTERIOR SPORTS LIGHTING ASSEMBLY WITH 60' POLE, SPORTS LIGHTING LUMINAIRES, AND RGBW SPORTS LIGHTING LUMINAIRES.	SEE SPECIFICATIONS. PROVIDE ALL COMPONENTS FOR COMPLETE SPORTS LIGHTING PACKAGE. INSTALL POLE AS DIRECTED BY THE MANUFACTURER/SPECIFICATIONS.
SP-70	MUSCO	TLC	208	LED	400 W	4000 K	EXTERIOR SPORTS LIGHTING ASSEMBLY WITH 70' POLE, SPORTS LIGHTING LUMINAIRES, AND RGBW SPORTS LIGHTING LUMINAIRES.	SEE SPECIFICATIONS. PROVIDE ALL COMPONENTS FOR COMPLETE SPORTS LIGHTING PACKAGE. INSTALL POLE AS DIRECTED BY THE MANUFACTURER/SPECIFICATIONS.
SP-80	MUSCO	TLC	208	LED	400 W	4000 K	EXTERIOR SPORTS LIGHTING ASSEMBLY WITH 80' POLE, SPORTS LIGHTING LUMINAIRES, AND RGBW SPORTS LIGHTING LUMINAIRES.	SEE SPECIFICATIONS. PROVIDE ALL COMPONENTS FOR COMPLETE SPORTS LIGHTING PACKAGE. INSTALL POLE AS DIRECTED BY THE MANUFACTURER/SPECIFICATIONS.
W	LITHONIA SIGNIFY NLS LIGHTING	WDGE2 LED P2 35K 80CRI VF MVOLT DBLXD GWM-A06-840-T4M-MVOLT-BK TWA-T4-16L-35-35K8-UNV-WM-XX	MVOLT	LED 2000 LM	15 W	3500 K	WALL MOUNTED LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, TYPE IV DISTRIBUTION, BLACK FINISH.	
WE	LITHONIA SIGNIFY NLS LIGHTING	WDGE2 LED P2 35K 80CRI VF MVOLT (PE-WHERE NOTED) E20WC DBLXD GWM-A06-840-T4M-UNV-(PCB WHERE NOTED)-EC-BK TWA-T4-16L-35-35K8-UNV-WM-EM8-(PC WHERE NOTED)	MVOLT	LED 2000 LM	15 W	3500 K	WALL MOUNTED LED LUMINAIRE, DIE CAST ALUMINUM HOUSING, TYPE IV DISTRIBUTION, BLACK FINISH. EMERGENCY.	PROVIDE WITH INTEGRAL PHOTOCELL WHERE NOTED ON THE PLANS ONLY. PROVIDE EMERGENCY BATTERY BACKUP.
X1	LITHONIA SURE-LITE ISOLITE	ELM6L-UVOLT-LTP-SDRT-HO AP2SQLED EL16-WH-MB-M67	MVOLT	LED 1100 LM	5 W	4500 K	CEILING MOUNTED EMERGENCY EGRESS LIGHT. EGRESS LIGHTING HEADS SHALL BE HIGH OUTPUT TYPE AND INTEGRAL TO THE FIXTURE.	PROVIDE BATTERY BACKUP. MOUNT AT 7'-6" AFF UNLESS OTHERWISE NOTED.
X2	LITHONIA HE WILLIAMS EXITRONIX	LHQM-LED-R-HO EXIT/EMLED-R-WHT-HL-D QCSS-R-WH	MVOLT	LED RED	1 W	3500 K	THERMOPLASTIC UNIVERSAL VOLTAGE, UNIVERSAL SINGLE/DOUBLE FACE, FIELD ADJUSTABLE DIRECTIONAL CHEVRONS, UNIVERSAL MOUNT COMBINATION EGRESS AND EXIT SIGN WITH BATTERY BACKUP.	MOUNT CEILING OR WALL MOUNTED AS SHOWN. WHERE WALL MOUNTED, MOUNT ABOVE DOOR. PROVIDE EMERGENCY BATTERY BACKUP. PROVIDE DIRECTIONAL CHEVRONS AS SHOWN. PROVIDE SINGLE OR DOUBLE FACE AS SHOWN. PROVIDE WITH INTEGRAL EGRESS HEADS AS SHOWN.

LUMINAIRE SCHEDULE NOTES

1. MANUFACTURER CATALOG NUMBERS ARE SHOWN FOR GENERAL DESCRIPTIVE PURPOSES AND TO ESTABLISH STANDARD OF QUALITY ONLY. PROVIDE LUMINAIRES COMPLETE WITH ALL OPTIONS AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION. ALL PRODUCTS SHALL BE UL LISTED.
2. LED FIXTURES: TO INSURE A FIXTURE WILL PERFORM "AS ADVERTISED" ON A CUT SHEET, THE PUBLISHED SPECIFICATION SHALL BE SUPPORTED BY LM-79 TEST RESULTS. LED FIXTURES WHICH ARE BUILT USING LED'S SHALL HAVE SUCCESSFULLY PASSED LM-80. LED'S SHALL YIELD A LM-80 RESULT OF A MINIMUM OF 70% OF THE ORIGINAL LIGHT OUTPUT OF THE LED STILL BEING DELIVERED AFTER 50,000 HOURS OF OPERATION. THE POWER SUPPLY UNIT (DRIVER) SHALL HAVE 150,000 HOURS MTBF (MEAN TIME BETWEEN FAILURES). AN INTEGRATED BATTERY BACKUP SOLUTION FOR THE LED FIXTURE IS REQUIRED. REPLACEABLE LED BOARDS TO ALLOW FIXTURE UPGRADE.
3. PROVIDE FUSES FOR UNGROUNDED CONDUCTOERS SUPPLYING LED DRIVERS. PROVIDE FUSED SIZED FOR RATING OF LED DRVIER.
4. VERIFY CONSTRUCTION OF CEILINGS BEING INSTALLED AND PROVIDE THE LUMINAIRES SPECIFIED IN APPROPRIATE CONFIGURATION WITH ALL HARDWARE AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
5. PROVIDE LUMINIARES WITH JOINING PLATES, END CAPS, CANOPIED, MOUNTING HARDWARE, ETC. AS REQUIRED FOR COMPLETE INSTALLATION.
6. EXIT LIGHTS SHALL BE PROVIDED WITH COLOR OF LETTERS REQUIRED BY LOCAL CODE AUTHORITY. FURNISH WITH CHEVRON DIRECTIONAL INDICATORS AS INDICATED AND REQUIRED.
7. PROVIDE DEVICES FOR SECURING LAY-IN TYPE LUMINAIRES TO CEILING GRID TO COMPLY WITH ARTICLE 410 OF THE NATIONAL ELECTRIC CODE.
8. FURNISH LINEAR LUMINAIRES IN CONTINUOUS ROWS OR PATTERNS AS INDICATED ON DRAWINGS. PROVIDE WITH CORNER, ANGLE AND END PIECES AS REQUIRED FOR A COMPLETE INSTALLATION.
9. FURNISH LUMINAIRES IN MECHANICAL SPACES COMPLETE WITH PENDANT STEMS OR CHAIN HANGERS AS REQUIRED TO MOUNT BELOW PIPING, DUCT, CONDUIT, ETC. MAINTAIN UNIFORM MOUNTING HEIGHT FOR ALL LUMINIARES THROUGHOUT THE MECHANICAL AREA.
10. PENDANT MOUNTED LUMINAIRES WITH AIRCRAFT CABLE SUSPENSION SYSTEMS SHALL BE FURNISHED WITH ADJUSTABLE CABLE GRIP HARDWARE. CABLE SIZE SHALL BE SELECTED BY MANUFACTURER TO PROVIDE ADEQUATE SUPPORT OFLUMINAIRES SPECIFIED.
11. EMERGENCY BATTERY PACKS FOR LED LUMNIAIRES SHALL OPERATE FOR 90 MINUTES MINIMUM.
12. POLE MANUFACTURER SHALL COORDINATE WITH LUMINAIRE MANUFACTURER TO PROVIDE ADEQUATE STRENGTH TO SUPPORT THE FIXUTRE. PROVIDE APPROPRIATE MOUNTING HARDWARE, ANCHOR BOLTS, BOLT/BASEPLATE COVERS AND GROUNDING LUG. MANUFACTURER SHALL FURNISH AN ANCHOR BOLT TEMPLATE TO ENSURE PROPER MOUNTING AND LUMINAIRE ORIENTATION FOR CORRECT LIGHT DISTRIBUTION.

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Project Number :
50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA
No. 51603
PROFESSIONAL
10/24/2023
ENGINEER
ANTHONY MICHAEL MIDDLIN

SHEET TITLE:
ELECTRICAL - LUMINAIRE SCHEDULE AND DETAILS

PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23

REVISIONS

JOB NO. 23-66

SHEET NO:

E0.2

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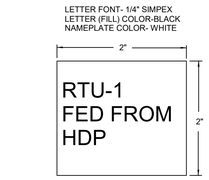
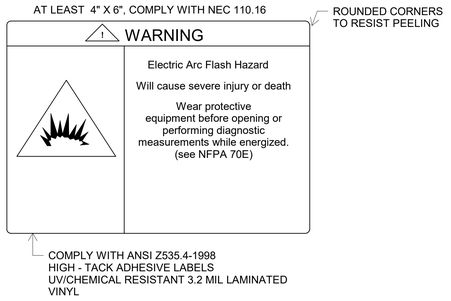
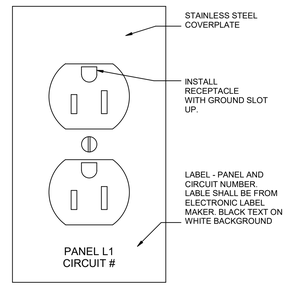
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903



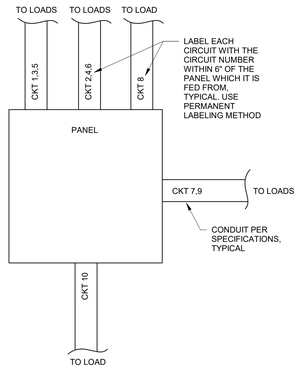
DETAIL - DISCONNECT NAMEPLATE
NOT TO SCALE



ARC FLASH HAZARD-LABEL
PROVIDE AT ALL ELECTRICAL EQUIPMENT PER SPECIFICATIONS
NO SCALE

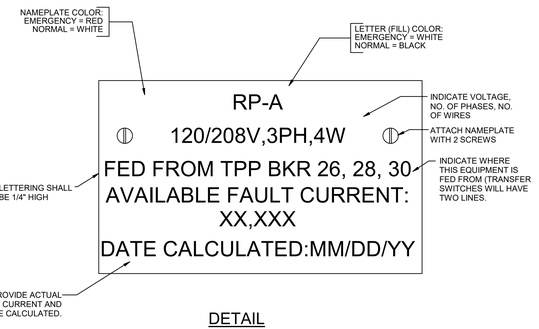


DETAIL
DUPLEX RECEPTACLE
NO SCALE

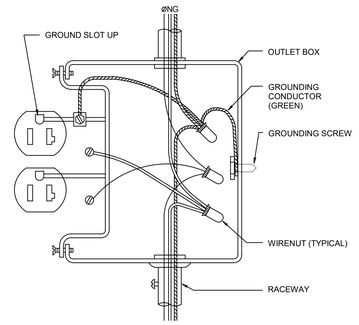


DETAIL - TYPICAL CONDUIT OUT OF PANEL LABELING
NOT TO SCALE

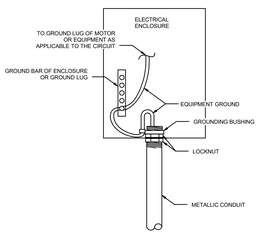
NOTE: DETAILS APPLY TO BOTH SURFACE MOUNTED PANELS AND RECESSED. LABEL CONDUITS AT FIRST ACCESSIBLE POINT FOR RECESSED PANELS.



DETAIL
ELECTRICAL NAMEPLATE
NO SCALE



WIRING DIAGRAM
TYPICAL RECEPTACLE INSTALLATION
NO SCALE



NOTES:

1. CURRENT CARRYING CONDUCTORS NOT SHOWN FOR CLARITY.

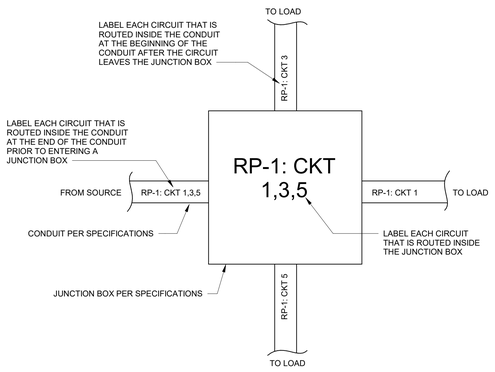
2. APPLY THIS INSTALLATION METHOD FOR ALL METALLIC ELECTRICAL EQUIPMENT/ENCLOSURES WHERE A METALLIC CONDUIT IS TERMINATED IN AN ENCLOSURE IN ANY OF THE FOLLOWING CONDITIONS:

   a. ALL CIRCUITS OVER 250V TO GROUND (REGARDLESS OF AMPACITY SIZE & REGARDLESS OF KNOCKOUT METHOD).
   b. AT ANY LOCATION WHERE A LOOSELY JOINTED METAL RACEWAY IS ENCOUNTERED. EC SHALL MAKE CONNECTION AND REPAIR LOOSE CONNECTION WHERE POSSIBLE.
   c. ALL HAZARDOUS CLASSIFIED LOCATIONS. SEE NEC 250.100.
   d. ALL CIRCUITS NOT LESS THAN 100A (REGARDLESS OF VOLTAGE).

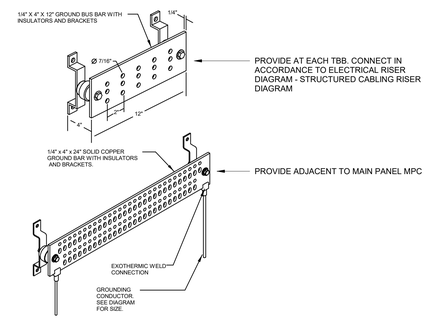
3. ALL FITTINGS, BUSHINGS, RACEWAY, ETC. SHALL BE LISTED.

4. EQUIPMENT GROUND OR GROUNDING ELECTRODE SHALL BE SIZED AS SHOWN ON THE DRAWINGS.

CONDUIT TERMINATION DETAIL
NO SCALE



DETAIL - TYPICAL JUNCTION BOX LABELING
NOT TO SCALE



DETAIL
GROUND BAR
NO SCALE

ALABAMA LICENSED
No. 15403
PROFESSIONAL
10/24/2023
ENGINEER
ALFRED MICHAEL MANGAHIS

SHEET TITLE:
ELECTRICAL DETAILS

PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66
SHEET NO:
E0.3

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Project Number :
50168602

LATHAN
ARCHITECTS

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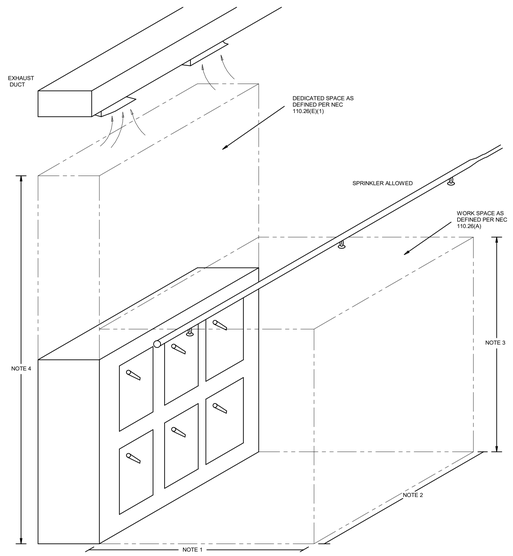
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903



PANELBOARDS - WORKING CLEARANCES

NO SCALE

KEYNOTES:

1. DISTANCE AS DEFINED PER NEC 110.26(A)(1). THERE SHALL BE NO CIRCUMSTANCE THAT FALLS UNDER CONDITION 1 AS DEFINED IN NEC TABEL 110.26(A)(1).

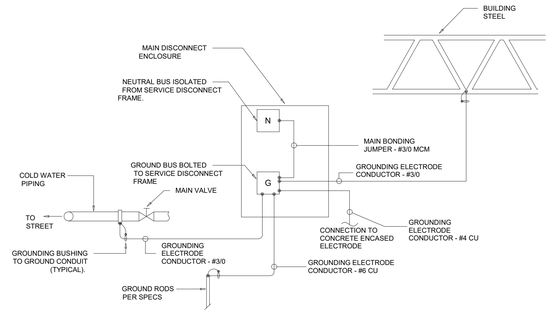
2. DISTANCE AS DEFINED PER NEC 110.26(A)(2). DISTANCE SHALL BE 30" OR THE WIDTH OF THE EQUIPMENT, WHICHEVER IS GREATER.

3. DISTANCE AS DEFINED PER NEC 110.26(A)(3). DISTANCE SHALL BE 6' - 6" FROM GRADE, FLOOR, OR PLATFORM OR THE HEIGHT OF THE EQUIPMENT, WHICHEVER IS GREATER. THE TOP OF ALL CIRCUIT BREAKERS SHALL BE MOUNTED NOT HIGHER THAN 6' - 7".

4. DISTANCE FROM THE FLOOR TO A HEIGHT OF 6' ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER.

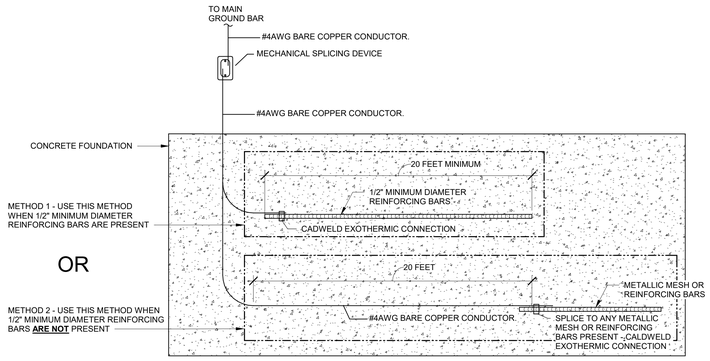
GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS (SCALE: 1/4" = 1') WITH THE FLOOR PLAN AND EQUIPMENT LAYOUT SHOWING FULL COMPLIANCE WITH NEC 110.26.



DETAIL - GROUNDING

NOT TO SCALE



GENERAL NOTES:

1. SEE NEC 250.52(A)(3)

2. METALLIC COMPONENTS SHALL BE ENCASED BY AT LEAST 2 IN. OF CONCRETE AND SHALL BE LOCATED HORIZONTALLY WITHIN THAT PORTION OF A CONCRETE FOUNDATION OR FOOTING THAT IS IN DIRECT CONTACT WITH THE EARTH OR WITHIN VERTICAL FOUNDATIONS OR STRUCTURAL COMPONENTS OR MEMBERS THAT ARE IN DIRECT CONTACT WITH THE EARTH.

3. PROVIDE PHOTO DOCUMENTATION OF CONNECTION AT THE TIME OF INSTALLATION.

DETAIL - UFER GROUNDING

NOT TO SCALE

ALABAMA LICENSED
No. 31601
PROFESSIONAL
10/24/2023
ENGINEER
ALFRED MICHAEL MINOLA III

SHEET TITLE:
ELECTRICAL DETAILS

PROJ. MGR.:	– AM
DRAWN:	DB
DATE:	– 10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:

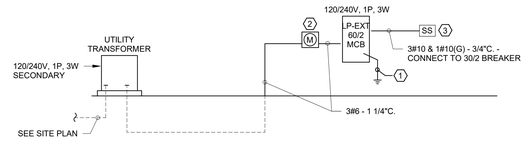
E0.4

Panel: LP-EXT **Location:** EXTERIOR **Fed From:** UTILITY			**Enclosure:** NEMA 3R **Mounting:** UNISTRUT			**Volts:** 120/240 Single **Phases:** 1 **Wires:** 3			**Bus Rating:** 100 A **Main Device Type:** MCB **Main Device Size:** 60/2			**A.I.C. Rating:** 10,000 A **Fault Current:**							
Ckt	**Description**	**Ckt Notes**	**Load Class**	**Trip (A)**	**Poles**	**A**		**B**		**Poles**	**Trip (A)**	**Load Class**	**Ckt Notes**	**Description**	**Ckt**
1	LIGHTING - PATHWAY		Lighting...	20	2	162	250			2	20	Lighting...		LTG - PARKING/DRIVE	2
3	--		--	--	--			162	250	--	--	--		--	4
5	LTG - PARKING/DRIVE		Lighting...	20	2	200	400			2	20	Lighting...		LTG - PARKING	6
7	--		--	--	--			200	400	--	--	--		--	8
9	SPARE		--	20	2	0	0			2	30	--		SPD	10
11	--		--	--	--			0	0	--	--	--		--	12
13	SPARE		--	20	1	0	--			1	--	--		SPACE	14
15	SPARE		--	20	1			0	--	1	--	--		SPACE	16
17	SPARE		--	20	1	0	--			1	--	--		SPACE	18
19	SPARE		--	20	1			0	--	1	--	--		SPACE	20
21	SPARE		--	20	1	0	--			1	--	--		SPACE	22
23	SPARE		--	20	1			0	--	1	--	--		SPACE	24
					Total Phase Connected Load (VA):	1012		1012							
					Total Phase Connected Current (A):	8		8							

Load Classification	**Connected Load (VA)**	**Demand Factor**	**Demand Load (VA)**	**Panel Totals:**	
Lighting - Exterior	2024 VA	125.00%	2530 VA	**Total Connected Load (VA):**	2024 VA
				Total Demand Load (VA):	2530 VA
				Total Connected Current (A):	8 A
				Highest Connected Phase Current (A):	8 A
				Total Demand Current (A):	11 A

Notes:
A. UL LISTED FOR SERVICE ENTRANCE

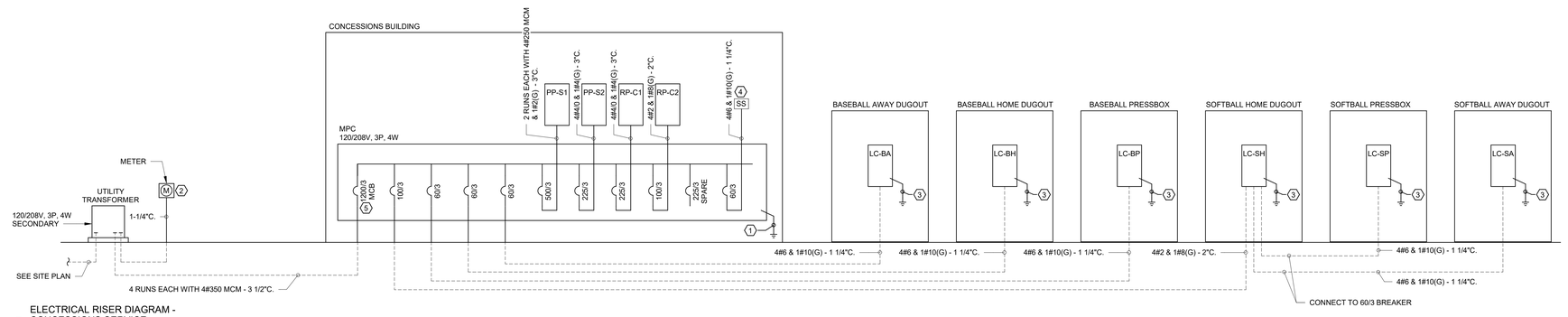
Circuit Notes:



2 ELECTRICAL RISER DIAGRAM - EXTERIOR LIGHTING SERVICE
NOT TO SCALE

(#) ELECTRICAL RISER DIAGRAM - EXTERIOR LIGHTING SERVICE KEYNOTES:

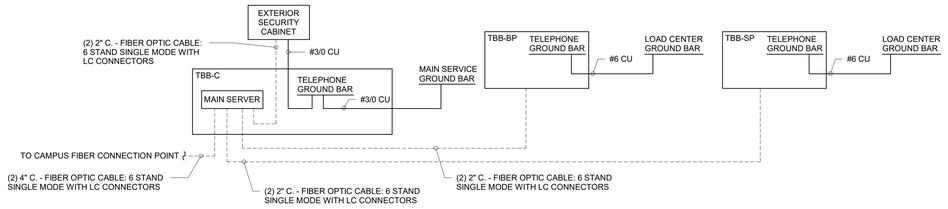
1. PROVIDE AND INSTALL (2) GROUND RODS PER SPECIFICATIONS. CONNECT WITH #6 BARE CU CONDUCTOR BACK TO MAIN GROUND BAR. BOND NEUTRAL AND GROUND WITHIN THIS PANEL WITH #6 CU.
2. SELF CONTAINED METER BOX PROVIDED BY ELECTRICAL CONTRACTOR. COORDINATE SPECIFICATIONS WITH UTILITY COMPANY.
3. MOUNT SURGE SUPPRESSOR ADJACENT TO PANEL. LEAD LENGTH NOT TO EXCEED 12 INCHES. SPD SHALL BE IN A NEMA 4X ENCLOSURE, MOUNTED ON UNISTRUT.



1 ELECTRICAL RISER DIAGRAM - CONCESSIONS SERVICE
NOT TO SCALE

(#) ELECTRICAL RISER DIAGRAM - CONCESSIONS SERVICE KEYNOTES:

1. SEE GROUNDING DETAIL
2. UTILITY METER PER UTILITY SPECIFICATIONS. CT'S TO BE PROVIDED WITHIN SERVICE TRANSFORMER. COORDINATE SPECIFICATIONS AND REQUIREMENTS WITH UTILITY. PROVIDE UNISTRUT RACK ADJACENT TO TRANSFORMER FOR METER MOUNTING. SEE DETAIL.
3. GROUND PER NEC (SEE DETAIL). DO NOT BOND NEUTRAL AND GROUND AT THIS PANEL.
4. MOUNT SURGE SUPPRESSOR ADJACENT TO PANEL. LEAD LENGTH NOT TO EXCEED 12 INCHES.
5. MAIN BREAKER SHALL BE PROVIDED WITH ARC FLASH MITIGATION IN ACCORDANCE WITH NEC 240.87.



3 ELECTRICAL RISER DIAGRAM - STRUCTURED CABLING RISER DIAGRAM
NOT TO SCALE

Panel: MPC **Location:** ELECTRICAL L105 **Fed From:** UTILITY			**Enclosure:** NEMA 1 **Mounting:** SURFACE			**Volts:** 120/208 Wye **Phases:** 3 **Wires:** 4				**Bus Rating:** 1200A **Main Device Type:** MCB **Main Device Size:** 1200/3				**A.I.C. Rating:** 65,000 A **Fault Current:**					
Ckt	**Description**	**Ckt Notes**	**Load Class**	**Trip (A)**	**Poles**	**A**		**B**		**C**		**Poles**	**Trip (A)**	**Load Class**	**Ckt Notes**	**Description**	**Ckt**
1	LC-SH		HVAC, Other Motor...	100	3	8803	1114					3	60	HVAC, Receptacle...		LC-BP	2
3	--		-	--	--			7823	2770			--	--	-		--	4
5	--		-	--	--					7617	2050	--	--	-		--	6
7	LC-BH		HVAC, Motor, Heating...	60	3	5538	390					3	60	Motor, Lighting -...		LC-BA	8
9	--		-	--	--			5571	360			--	--	-		--	10
11	--		-	--	--					5593	720	--	--	-		--	12
13	PP-S1		Lighting - Exterior...	500	3	33144	17050					3	225	Lighting - Exterior...		PP-S2	14
15	--		-	--	--			33144	17050			--	--	-		--	16
17	--		-	--	--					33144	17050	--	--	-		--	18
19	RP-C1		HVAC, Motor, Electric...	225	3	14297	6740					3	100	Motor, Receptacle...		RP-C2	20
21	--		-	--	--			14377	5298			--	--	-		--	22
23	--		-	--	--					14303	6000	--	--	-		--	24
25	SPARE		-	225	3	0	0					3	60	-		SPD	26
27	--		-	--	--			0	0			--	--	-		--	28
29	--		-	--	--					0	0	--	--	-		--	30
					Total Phase Connected Load (VA):	87057		86390		86473									
					Total Phase Connected Current (A):	726		720		721									

Load Classification	**Connected Load (VA)**	**Demand Factor**	**Demand Load (VA)**	**Panel Totals:**	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	**Total Connected Load (VA):**	259920 VA
Heating	29500 VA	100.00%	29500 VA	**Total Demand Load (VA):**	287022 VA
Lighting	5181 VA	125.00%	6477 VA	**Total Connected Current (A):**	721 A
Lighting - Exterior	150752 VA	125.00%	188440 VA	**Highest Connected Phase Current (A):**	726 A
Motor	1181 VA	125.00%	1476 VA	**Total Demand Current (A):**	797 A
Other	0 VA	0.00%	0 VA		
Power	500 VA	100.00%	500 VA		
Receptacle	34240 VA	64.60%	22120 VA		
HVAC	33794 VA	100.00%	33794 VA		

Notes:
A. UL LISTED FOR SERVICE ENTRANCE
B. MAIN BREAKER SHALL BE PROVIDED WITH ARC FLASH MITIGATION IN ACCORDANCE WITH NEC 240.87.

Circuit Notes:

Dewberry
2 Riverchase Office Plaza
Suite 205
Hoover, AL 35244
(205) 988-2069
www.dewberry.com

Project Number :
50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 31403 PROFESSIONAL ENGINEER MICHAEL MINGLIN
10/24/2023

SHEET TITLE:
ELECTRICAL - RISER DIAGRAM

PROJ. MGR.: --	AM
DRAWN:	DB
DATE: --	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:
E0.5

Panel: RP-C1 **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 225 A **A.I.C. Rating:** 65,000 A
Location: ELECTRICAL L108 **Mounting:** **Phases:** 3 **Main Device Type:** MLO
Fed From: MPC **Wires:** 4 **Main Device Size:** -- **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	LTG - EXT. SIGNAGE		Lighting	20	1	114	180		1	20	Receptacle		REC - EXTERIOR	2
3	LTG - EXT. WALL LTS		Lighting - Exterior	20	1		120	264	1	20	Lighting		LTG - MENS, ELEC, JAN	4
5	LIGHTING CONTACTOR		Lighting	20	1			180 268	1	15	HVAC		DH-A	6
7	LTG - STOR, WOMENS RR		Lighting	20	1	285	400		1	20	Receptacle	1	REC - EWC EXTERIOR	8
9	REC - BATTING CAGE E100		Receptacle	20	1		360	544	1	20	Lighting		LTG - CONCESSION	10
11	REC - ELECTRICAL L108		Receptacle	20	1			360 544	1	20	Lighting		LTG - BATTING CAGE	12
13	LTG - BATTING CAGE		Lighting	20	1	544	720		1	20	Receptacle		REC - ELECTRICAL L108	14
15	REC - WASHER JAN L105	1	Receptacle	20	1		1500	1581	2	30	HVAC		HP-C3	16
17	REC - WASHER JAN L105	1	Receptacle	20	1			1500 1581	--	--	--		--	18
19	REC - EWC EXTERIOR	1	Receptacle	20	1	800	2421		2	50	HVAC		HP-C1	20
21	EWH-B #1		Heating	30	2		2000	2421	--	--	--		--	22
23	--		--	--	--			2000 2000	2	30	Heating		EWH-B #2	24
25	REC - DRYER JAN L105	1	Electric Clothes Dryer	30	2	2500	2000		--	--	--		--	26
27	--		--	--	--		2500	720	1	20	Receptacle		REC - ELECTRICAL L108	28
29	HP-C2		HVAC	50	2			2421 720	1	20	Receptacle		REC - ELECTRICAL L108	30
31	--		--	--	--	2421	544		1	20	Lighting		LTG - BATTING CAGE E100	32
33	REC - EWC EXTERIOR	1	Receptacle	20	1		800	0	1	20	--		SPARE	34
35	REC - EWC EXTERIOR	1	Receptacle	20	1			800 0	1	20	--		SPARE	36
37	SPARE	1	--	20	1	0	1500		3	20	Heating		WH-1	38
39	EF-C4 (JAN)		Motor	20	1		109	1500	--	--	--		--	40
41	SPARE	1	--	20	1			0 1500	--	--	--		--	42
43	SPARE		--	20	1	0	--		1	--	--		SPACE	44
45	SPARE		--	20	1		0	--	1	--	--		SPACE	46
47	SPARE		--	20	1			0 --	1	--	--		SPACE	48
49	SPARE		--	20	1	0	--		1	--	--		SPACE	50
51	SPARE		--	20	1		0	--	1	--	--		SPACE	52
53	SPARE		--	20	1			0 --	1	--	--		SPACE	54
	Total Phase Connected Load (VA):					14362	14377	13848						
	Total Phase Connected Current (A):					120	120	115						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Electric Clothes Dryer	5000 VA	100.00%	5000 VA	**Total Connected Load (VA):**	42586 VA
Heating	12500 VA	100.00%	12500 VA	**Total Demand Load (VA):**	43367 VA
Lighting	3010 VA	125.00%	3763 VA	**Total Connected Current (A):**	118 A
Lighting - Exterior	120 VA	125.00%	150 VA	**Highest Connected Phase Current (A):**	120 A
Motor	109 VA	125.00%	136 VA	**Total Demand Current (A):**	120 A
Receptacle	8860 VA	100.00%	8860 VA		
HVAC	13114 VA	100.00%	13114 VA		

Notes:

Circuit Notes:

1. GFCI BREAKER.

Panel: LC-SH **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 100 A **A.I.C. Rating:** 10,000 A
Location: COACHES OFFICE **Mounting:** RECESSED **Phases:** 3 **Main Device Type:** MCB
Fed From: MPC **Wires:** 4 **Main Device Size:** 100/3 **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	EF-SH3		Motor	20	1	109	540		1	20	Receptacle		REC - TOIELT L125	2
3	DH-A		HVAC	15	1		268	504	1	20	Other Lighting		LTG - SOFTBALL DUGOUT BLDG	4
5	REC - DUGOUT L121		Receptacle	20	1			360 1000	2	20	--		EWH-A	6
7	SPARE		--	20	1	0	1000		--	--	--		--	8
9	REC - OFFICE L124		Receptacle	20	1		720	632	2	30	HVAC		HP-SH1	10
11	WH-3		Heating	30	2			2250 632	--	--	--		--	12
13	--		--	--	--	2250	2421		2	40	HVAC		HP-SH2	14
15	EWH-A		Heating	20	2		1000	2421	--	--	--		--	16
17	--		--	--	--		1760	540	1000	335	3	60	Motor, Lighting - ...	LC-SA	18
19	LC-SP		HVAC, Motor, Receptacle...	60	3	2124	360		--	--	--		--	20
21	--		--	--	--			1760 540	--	--	--		--	22
23	--		--	--	--			2050 0	1	20	--		SPARE	24
25	SPARE		--	20	1	0	0		1	20	--		SPARE	26
27	SPARE		--	20	1		0	0	1	20	--		SPARE	28
29	SPARE		--	20	1			0 0	1	20	--		SPARE	30
	Total Phase Connected Load (VA):					8803	7823	7617						
	Total Phase Connected Current (A):					74	65	63						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Heating	8500 VA	100.00%	8500 VA	**Total Connected Load (VA):**	24243 VA
Lighting	820 VA	125.00%	1026 VA	**Total Demand Load (VA):**	24616 VA
Lighting - Exterior	30 VA	125.00%	38 VA	**Total Connected Current (A):**	67 A
Motor	677 VA	125.00%	846 VA	**Highest Connected Phase Current (A):**	74 A
Other	0 VA	0.00%	0 VA	**Total Demand Current (A):**	68 A
Receptacle	3780 VA	100.00%	3780 VA		
HVAC	10474 VA	100.00%	10474 VA		

Notes:

Circuit Notes:

Panel: LC-BP **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 100 A **A.I.C. Rating:** 10,000 A
Location: PRESSBOX D100 **Mounting:** RECESSED **Phases:** 3 **Main Device Type:** MCB
Fed From: MPC **Wires:** 4 **Main Device Size:** 60/3 **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	LTG - PRESSBOX		Lighting	20	1	77	180		1	20	Receptacle		REC - PRESSBOX D100	2
3	TWHP-A		HVAC	30	2		2050	0	1	20	--		SPARE	4
5	--		--	--	--			2050 0	1	20	--		SPARE	6
7	REC - DATA RACK D100		Receptacle	20	1	360	500		1	20	Power		BASEBALL SCOREBOARD	8
9	REC - OUTDOOR SPEAKERS		Receptacle	20	1		720	0	1	20	--		SPARE	10
11	SPARE		--	20	1			0 0	1	20	--		SPARE	12
	Total Phase Connected Load (VA):					1114	2770	2050						
	Total Phase Connected Current (A):					9	24	18						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Lighting	77 VA	125.00%	96 VA	**Total Connected Load (VA):**	5933 VA
Power	500 VA	100.00%	500 VA	**Total Demand Load (VA):**	5962 VA
Receptacle	1260 VA	100.00%	1260 VA	**Total Connected Current (A):**	16 A
HVAC	4100 VA	100.00%	4100 VA	**Highest Connected Phase Current (A):**	24 A
				Total Demand Current (A):	17 A

Notes:

Circuit Notes:

Panel: RP-C2 **Enclosure:** NEMA 4X **Volts:** 120/208 Wye **Bus Rating:** 100 A **A.I.C. Rating:** 54,000 A
Location: CONCESSIONS L102 **Mounting:** RECESSED **Phases:** 3 **Main Device Type:** MLO
Fed From: MPC **Wires:** 4 **Main Device Size:** -- **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	REC - CONCESSIONS E102		Receptacle	20	1	720	1200		1	20	Receptacle	1	REC - ICE E102	2
3	REC - CONCESSIONS E102		Receptacle	20	1		720	1000	1	20	Receptacle		REC - MW E102	4
5	REC - CM E102		Receptacle	20	1			1000 1000	1	20	Receptacle		REC - HOTDOG E102	6
7	REC - CONCESSIONS E102		Receptacle	20	1	180	1000		1	20	Receptacle		REC - MW E102	8
9	REC - MW E102		Receptacle	20	1		1000	180	1	20	Receptacle		REC - CONCESSIONS E102	10
11	REC - HOTDOG E102		Receptacle	20	1			1000 1000	1	20	Receptacle		REC - CM E102	12
13	REC - MW E102		Receptacle	20	1	1000	720		1	20	Receptacle		REC - CONCESSIONS E102	14
15	REC - COOLER E102	1	Receptacle	20	1		1000	1000	1	20	Receptacle	1	REC - WARMER E102	16
17	REC - WARMER E102	1	Receptacle	20	1			1000 1000	1	20	Receptacle	1	REC - COOLER E102	18
19	REC - CONCESSIONS E102		Receptacle	20	1	720	1200		1	20	Receptacle	1	REC - ICE E102	20
21	REC - EXTERIOR		Receptacle	20	1		180	218	1	20	Motor		EF-C2, C3 (CONCESSION)	22
23	SPARE		--	20	1			0 0	1	20	--		SPARE	24
25	SPARE		--	20	1	0	0		1	20	--		SPARE	26
27	SPARE		--	20	1		0	0	1	20	--		SPARE	28
29	SPARE		--	20	1			0 0	1	20	--		SPARE	30
	Total Phase Connected Load (VA):					6740	5298	6000						
	Total Phase Connected Current (A):					57	44	51						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Motor	218 VA	125.00%	273 VA	**Total Connected Load (VA):**	18038 VA
Receptacle	17820 VA	78.06%	13910 VA	**Total Demand Load (VA):**	14183 VA
				Total Connected Current (A):	50 A
				Highest Connected Phase Current (A):	57 A
				Total Demand Current (A):	39 A

Notes:

Circuit Notes:

1. PROVIDE GFCI BREAKER.

Panel: LC-SA **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 100 A **A.I.C. Rating:** 10,000 A
Location: STORAGE L119 **Mounting:** RECESSED **Phases:** 3 **Main Device Type:** MCB
Fed From: LC-SH **Wires:** 4 **Main Device Size:** 60/3 **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	EF-SV1		Motor	20	1	68	270		1	20	Lighting - Exterior...		LTG - STORAGE L119	2
3	REC - DUGOUT L118		Receptacle	20	1		360	0	1	20	--		SPARE	4
5	REC - STORAGE L119		Receptacle	20	1			540 0	1	20	--		SPARE	6
7	SPARE		--	20	1	0	0		1	20	--		SPARE	8
9	SPARE		--	20	1		0	0	1	20	--		SPARE	10
11	SPARE			20	1			0 0	1	20	--		SPARE	12
	Total Phase Connected Load (VA):					335	360	540						
	Total Phase Connected Current (A):					3	3	5						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Lighting	255 VA	125.00%	318 VA	**Total Connected Load (VA):**	1228 VA
Lighting - Exterior	15 VA	125.00%	19 VA	**Total Demand Load (VA):**	1310 VA
Motor	68 VA	125.00%	85 VA	**Total Connected Current (A):**	3 A
Receptacle	900 VA	100.00%	900 VA	**Highest Connected Phase Current (A):**	5 A
				Total Demand Current (A):	4 A

Notes:

Circuit Notes:

Panel: LC-SP **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 100 A **A.I.C. Rating:** 10,000 A
Location: PRESSBOX **Mounting:** RECESSED **Phases:** 3 **Main Device Type:** MCB
Fed From: LC-SH **Wires:** 4 **Main Device Size:** 60/3 **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	LTG - PRESSBOX		Lighting	20	1	77	0		1	20	--		SPARE	2
3	REC - PRESSBOX D100		Receptacle	20	1		180	360	1	20	Receptacle		REC - DATA RACK D100	4
5	TWHP-A		HVAC	20	2			2050 0	1	20	--		SPARE	6
7	--		--	--	--	2050	0		1	20	--		SPARE	8
9	REC - OUTDOOR SPEAKERS		Receptacle	20	1		720	500	1	20	Motor		SOFTBALL SCOREBOARD	10
11	SPARE		--	20	1			0 0	1	20	--		SPARE	12
	Total Phase Connected Load (VA):					2124	1760	2050						
	Total Phase Connected Current (A):					18	15	17						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Lighting	77 VA	125.00%	96 VA	**Total Connected Load (VA):**	5933 VA
Motor	500 VA	125.00%	625 VA	**Total Demand Load (VA):**	6077 VA
Receptacle	1260 VA	100.00%	1260 VA	**Total Connected Current (A):**	16 A
HVAC	4100 VA	100.00%	4100 VA	**Highest Connected Phase Current (A):**	18 A
				Total Demand Current (A):	17 A

Notes:

Circuit Notes:

Panel: LC-BA **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 100 A **A.I.C. Rating:** 10,000 A
Location: STORAGE L111 **Mounting:** RECESSED **Phases:** 3 **Main Device Type:** MCB
Fed From: MPC **Wires:** 4 **Main Device Size:** 60/3 **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	EF-BV1		Motor	20	1	68	325		1	20	Lighting - Exterior...		LIGHTING - STORAGE L111	2
3	REC - DUGOUT L110		Receptacle	20	1		360	0	1	20	--		SPARE	4
5	REC - STORAGE L111		Receptacle	20	1			720 0	1	20	--		SPARE	6
7	SPARE		--	20	1	0	0		1	20	--		SPARE	8
9	SPARE		--	20	1		0	0	1	20	--		SPARE	10
11	SPARE		--	20	1			0 0	1	20	--		SPARE	12
	Total Phase Connected Load (VA):					390	360	720						
	Total Phase Connected Current (A):					3	3	6						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Lighting	310 VA	125.00%	387 VA	**Total Connected Load (VA):**	1461 VA
Lighting - Exterior	15 VA	125.00%	19 VA	**Total Demand Load (VA):**	1556 VA
Motor	68 VA	125.00%	85 VA	**Total Connected Current (A):**	4 A
Receptacle	1080 VA	100.00%	1080 VA	**Highest Connected Phase Current (A):**	6 A
				Total Demand Current (A):	4 A

Notes:

Circuit Notes:

Panel: PP-S1 **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 600 A **A.I.C. Rating:** 65,000 A
Location: ELECTRICAL L108 **Mounting:** SURFACE **Phases:** 3 **Main Device Type:** MLO
Fed From: MPC **Wires:** 4 **Main Device Size:** -- **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	BASEBALL - POLE A1		Lighting - Exterior	30	3	2700	2700		3	30	Lighting - Exterior		BASEBALL - POLE A2	2
3	--		--	--	--		2700	2700	--	--	--		--	4
5	--		--	--	--			2700 2700	--	--	--		--	6
7	BASEBALL - POLE B1		Lighting - Exterior	60	3	5765	5765		3	60	Lighting - Exterior		BASEBALL - POLE B2	8
9	--		--	--	--		5765	5765	--	--	--		--	10
11	--		--	--	--			5765 5765	--	--	--		--	12
13	BASEBALL - POLE C1		Lighting - Exterior	50	3	4744	4895		3	60	Lighting - Exterior		BASEBALL - POLE C2	14
15	--		--	--	--		4744	4895	--	--	--		--	16
17	--		--	--	--			4744 4895	--	--	--		--	18
19	BASEBALL - POLE A1 - RGBW		Lighting - Exterior	20	3	940	940		3	20	Lighting - Exterior		BASEBALL - POLE A2 - RGBW	20
21	--		--	--	--		940	940	--	--	--		--	22
23	--		--	--	--			940 940	--	--	--		--	24
25	BASEBALL - POLE B2 - RGBW		Lighting - Exterior	20	3	1409	1409		3	20	Lighting - Exterior		BASEBALL - POLE B1 - RGBW	26
27	--		--	--	--		1409	1409	--	--	--		--	28
29	--		--	--	--			1409 1409	--	--	--		--	30
31	BASEBALL - POLE C2 - RGBW		Lighting - Exterior	20	3	940	940		3	20	Lighting - Exterior		BASEBALL - POLE C1 - RGBW	32
33	--		--	--	--		940	940	--	--	--		--	34
35	--		--	--	--			940 940	--	--	--		--	36
37	SPACE		--	--	3	--	0		3	30	--		SPD	38
39	--		--	--	--		--	0	--	--	--		--	40
41	--		--	--	--			-- 0	--	--	--		--	42
	Total Phase Connected Load (VA):					33144	33144	33144						
	Total Phase Connected Current (A):					276	276	276						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Lighting - Exterior	99431 VA	125.00%	124289 VA	**Total Connected Load (VA):**	99431 VA
				Total Demand Load (VA):	124289 VA
				Total Connected Current (A):	276 A
				Highest Connected Phase Current (A):	276 A
				Total Demand Current (A):	345 A

Notes:

Circuit Notes:

Panel: PP-S2 **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 225A **A.I.C. Rating:** 65,000 A
Location: ELECTRICAL L108 **Mounting:** SURFACE **Phases:** 3 **Main Device Type:** MLO
Fed From: MPC **Wires:** 4 **Main Device Size:** -- **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	SOFTBALL - POLE A3		Lighting - Exterior	20	3	1440	1440		3	20	Lighting - Exterior		SOFTBALL - POLE A4	2
3							1440	1440	--	--	--		--	4
5	--		--	--	--			1440 1440	--	--	--		--	6
7	SOFTBALL - POLE B3		Lighting - Exterior	30	3	2479	2479		3	30	Lighting - Exterior		SOFTBALL - POLE B4	8
9	--		--	--	--		2479	2479	--	--	--		--	10
11	--		--	--	--			2479 2479	--	--	--		--	12
13	SOFTBALL - POLE C3		Lighting - Exterior	20	3	1787	1787		3	20	Lighting - Exterior		SOFTBALL - POLE C4	14
15	--		--	--	--		1787	1787	--	--	--		--	16
17	--		--	--	--			1787 1787	--	--	--		--	18
19	SOFTBALL - POLE A3 - RGBW		Lighting - Exterior	20	3	940	940		3	20	Lighting - Exterior		SOFTBALL - POLE A4 - RGBW	20
21	--		--	--	--		940	940	--	--	--		--	22
23	--		--	--	--			940 940	--	--	--		--	24
25	SOFTBALL - POLE B3 - RGBW		Lighting - Exterior	20	3	940	940		3	20	Lighting - Exterior		SOFTBALL - POLE B4 - RGBW	26
27	--		--	--	--		940	940	--	--	--		--	28
29	--		--	--	--			940 940	--	--	--		--	30
31	SOFTBALL - POLE C3 - RGBW		Lighting - Exterior	20	3	940	940		3	20	Lighting - Exterior		SOFTBALL - POLE C4 - RGBW	32
33	--		--	--	--		940	940	--	--	--		--	34
35	--		--	--	--			940 940	--	--	--		--	36
37	SPACE		--	--	3	--	0		3	30	--		SPD	38
39	--		--	--	--		--	0	--	--	--		--	40
41	--		--	--	--			-- 0	--	--	--		--	42
	Total Phase Connected Load (VA):					17050	17050	17050						
	Total Phase Connected Current (A):					142	142	142						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Lighting - Exterior	51150 VA	125.00%	63938 VA	**Total Connected Load (VA):**	51150 VA
				Total Demand Load (VA):	63938 VA
				Total Connected Current (A):	142 A
				Highest Connected Phase Current (A):	142 A
				Total Demand Current (A):	177 A

Notes:

Circuit Notes:

Panel: LC-BH **Enclosure:** NEMA 1 **Volts:** 120/208 Wye **Bus Rating:** 100 A **A.I.C. Rating:** 10,000 A
Location: COACHES OFFICE **Mounting:** RECESSED **Phases:** 3 **Main Device Type:** MCB
Fed From: MPC **Wires:** 4 **Main Device Size:** 60/3 **Fault Current:**

Ckt	Description	Ckt Notes	Load Class	Trip (A)	Poles	Phase Load (VA) A	B	C	Poles	Trip (A)	Load Class	Ckt Notes	Description	Ckt
1	DH-A		Motor	15	1	0	109		1	20	Motor		EF-BH3 (LOCKER)	2
3	REC - DUGOUT L113		Receptacle	20	1		360	540	1	20	Receptacle		REC - TOILET L115	4
5	REC - OFFICE L117		Receptacle	20	1			540 632	2	30	HVAC		HP-BH1	6
7	LTG - BASEBALL DUGOUT BLDG		Lighting - Exterior...	20	1	571	632		--	--	--		--	8
9	SPARE		--	20	1		0	0	1	20	--		SPARE	10
11	EWH-A		Heating	20	2			1000 1000	2	20	Heating		EWH-A	12
13	--		--	--	--	1000	1000		--	--	--		--	14
15	HP-BH2		HVAC	40	2		2421	0	1	20	--		SPARE	16
17	--		--	--	--			2421 0	1	20	--		SPARE	18
19	WH-2		Heating	30	2	2250	0		1	20	--		SPARE	20
21	--		--	--	--		2250	0	1	20	--		SPARE	22
23	SPARE		--	20	1			0 0	1	20	--		SPARE	24
	Total Phase Connected Load (VA):					5538	5571	5593						
	Total Phase Connected Current (A):					46	46	47						

Load Classification	Connected Load (VA)	Demand Factor	Demand Load (VA)	Panel Totals:	
Heating	8500 VA	100.00%	8500 VA	**Total Connected Load (VA):**	16700 VA
Lighting	556 VA	125.00%	695 VA	**Total Demand Load (VA):**	16864 VA
Lighting - Exterior	15 VA	125.00%	19 VA	**Total Connected Current (A):**	46 A
Motor	109 VA	125.00%	136 VA	**Highest Connected Phase Current (A):**	47 A
Receptacle	1440 VA	100.00%	1440 VA	**Total Demand Current (A):**	47 A
HVAC	6106 VA	100.00%	6106 VA		

Notes:

Circuit Notes:

Dewberry
2 Riverchase Office Plaza
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Project Number : 50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED PROFESSIONAL ENGINEER
No. 51403
PROFESSIONAL
10/24/2023
ENGINEER
JEFFREY MICHAEL MINGUS

SHEET TITLE:
ELECTRICAL - PANEL SCHEDULES

PROJ. MGR.: -- AM
DRAWN: DB
DATE: -- 10/24/23
REVISIONS

JOB NO. 23-66
SHEET NO:
E0.6

SPORTS LIGHTING EQUIPMENT SCHEDULE										
POLE ID	FLA	ELECTRICAL DATA	BRANCH CIRCUIT & CONDUIT	CIRCUIT NUMBER	PANEL	BREAKER	CONTACTOR	CONTACTOR ID	ZONE DESCRIPTION	CABINET NUMBER
A1	22.5	208 V/3-8100 VA	3#8 & 1#8(G) - 1"C.	1,3,5	PP-S1	30/3	30/3	C1	BASEBALL	1 - LCP-S1
A2	22.5	208 V/3-8100 VA	3#4 & 1#4(G) - 1 1/2"C.	2,4,6	PP-S1	30/3	30/3	C2	BASEBALL	1 - LCP-S1
B1	48.04	208 V/3-17294 VA	3#4 & 1#4(G) - 1 1/2"C.	7,9,11	PP-S1	60/3	60/3	C3	BASEBALL	1 - LCP-S1
B2	48.04	208 V/3-17294 VA	3#1 & 1#1(G) - 2"C.	8,10,12	PP-S1	60/3	60/3	C4	BASEBALL	1 - LCP-S1
C1	39.53	208 V/3-14231 VA	3#2 & 1#2(G) - 2"C.	13,15,17	PP-S1	50/3	60/3	C5	BASEBALL	1 - LCP-S1
C2	40.79	208 V/3-14684 VA	3#1 & 1#1(G) - 2"C.	14,16,18	PP-S1	60/3	60/3	C6	BASEBALL	1 - LCP-S1
A1	7.83	208 V/3-2819 VA	3#10 & 1#10(G) - 3/4"C.	19,21,23	PP-S1	20/3	30/3	C7	BASEBALL - RGBW	1 - LCP-S1
A2	7.83	208 V/3-2819 VA	3#10 & 1#10(G) - 3/4"C.	20,22,24	PP-S1	20/3	30/3	C8	BASEBALL - RGBW	1 - LCP-S1
B1	11.74	208 V/3-4226 VA	3#10 & 1#10(G) - 3/4"C.	26,28,30	PP-S1	20/3	30/3	C9	BASEBALL - RGBW	1 - LCP-S1
B2	11.74	208 V/3-4226 VA	3#6 & 1#6(G) - 1 1/4"C.	25,27,29	PP-S1	20/3	30/3	C10	BASEBALL - RGBW	1 - LCP-S1
C1	7.83	208 V/3-2819 VA	3#10 & 1#10(G) - 3/4"C.	32,34,36	PP-S1	20/3	30/3	C11	BASEBALL - RGBW	1 - LCP-S1
C2	7.83	208 V/3-2819 VA	3#8 & 1#8(G) - 1"C.	31,33,35	PP-S1	20/3	30/3	C12	BASEBALL - RGBW	1 - LCP-S1
A3	12	208 V/3-4320 VA	3#8 & 1#8(G) - 1"C.	1,3,5	PP-S2	20/3	30/3	C13	SOFTBALL	2 - LCP-S2
A4	12	208 V/3-4320 VA	3#6 & 1#6(G) - 1 1/4"C.	2,4,6	PP-S2	20/3	30/3	C14	SOFTBALL	2 - LCP-S2
B3	20.66	208 V/3-7438 VA	3#8 & 1#8(G) - 1"C.	7,9,11	PP-S2	30/3	30/3	C15	SOFTBALL	2 - LCP-S2
B4	20.66	208 V/3-7438 VA	3#4 & 1#4(G) - 1 1/2"C.	8,10,12	PP-S2	30/3	30/3	C16	SOFTBALL	2 - LCP-S2
C3	14.89	208 V/3-5360 VA	3#10 & 1#10(G) - 3/4"C.	13,15,17	PP-S2	20/3	30/3	C17	SOFTBALL	2 - LCP-S2
C4	14.89	208 V/3-5360 VA	3#6 & 1#6(G) - 1 1/4"C.	14,16,18	PP-S2	20/3	30/3	C18	SOFTBALL	2 - LCP-S2
A3	7.83	208 V/3-2819 VA	3#10 & 1#10(G) - 3/4"C.	19,21,23	PP-S2	20/3	30/3	C19	SOFTBALL - RGBW	2 - LCP-S2
A4	7.83	208 V/3-2819 VA	3#8 & 1#8(G) - 1"C.	20,22,24	PP-S2	20/3	30/3	C20	SOFTBALL - RGBW	2 - LCP-S2
B3	7.83	208 V/3-2819 VA	3#10 & 1#10(G) - 3/4"C.	25,27,29	PP-S2	20/3	30/3	C21	SOFTBALL - RGBW	2 - LCP-S2
B4	7.83	208 V/3-2819 VA	3#8 & 1#8(G) - 1"C.	26,28,30	PP-S2	20/3	30/3	C22	SOFTBALL - RGBW	2 - LCP-S2
C3	7.83	208 V/3-2819 VA	3#10 & 1#10(G) - 3/4"C.	31,33,35	PP-S2	20/3	30/3	C23	SOFTBALL - RGBW	2 - LCP-S2
C4	7.83	208 V/3-2819 VA	3#10 & 1#10(G) - 3/4"C.	32,34,36	PP-S2	20/3	30/3	C24	SOFTBALL - RGBW	2 - LCP-S2

SPORTS LIGHTING EQUIPMENT SCHEDULE NOTES:

A. PROVIDE (1) CAT5 CABLE IN 3/4"C. FROM THE BASEBALL PRESSBOX BACK TO LCP-S1 AND PROVIDE (1) CAT5 CABLE IN 3/4"C. FROM THE SOFTBALL PRESSBOX BACK TO LCP-S2 FOR COLOR CHANGING CONTROLS.

B. PROVIDE UL LISTED WIRE ADAPTERS AS REQUIRED TO CONNECT LARGER CONDUCTORS TO THE LUGS OF THE BREAKERS AND LIGHTING TERMINATIONS.

SITE PWER AND TELEPHONE NOTES:

(UA) STUB-OUT AND TERMINATE PER UTILITY COMPANY REQUIREMENTS. VERIFY LOCATION OF HIGH VOLTAGE SERVICE POINT PRIOR TO BIDDING AND INCLUDE ALL COST IN BID.

(UB) (2)-5"C FOR HIGH VOLTAGE SERVICE FROM PROPERTY LINE TO TRANSFORMER SLABS - VERIFY LOCATION AND ROUTING. HIGH VOLTAGE CONDUIT SHALL BE 48" DEEP. TERMINATE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS INCLUDING TRENCHING AND BACKFILL TO 90% COMPACTION.

(UC) TRANSFORMER SLAB-BOX WITH TRAFFIC GUARDS PER UTILITY COMPANY REQUIREMENTS. VERIFY SIZE, LOCATION AND ORIENTATION WITH UTILITY COMPANY. CONTRACTOR WILL PROVIDE TRANSFORMER SLABS INSTALLED COMPLETE IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS. PROVIDE ADEQUATE GUARD RAILING AROUND POWER TRANSFORMERS IN PARKING AREAS.

(UD) SECONDARY FROM TRANSFORMER TO MAIN DISCONNECT. VERIFY ROUTING WITH UTILITY COMPANY AND ROUTE TO CLEAR STRUCTURAL FOOTING. SEE RISER DIAGRAM. TERMINATE IN ACCORDANCE WITH PLANS AND SPECIFICATIONS.

(UE) PULLBOX WITH BOLT DOWN TRAFFIC COVER PER ALABAMA POWER COMPANY REQUIREMENTS. CONCRETE PULLBOX WITH LID, VERIFY LOCATION AND SPECIFICATION WITH APCO PRIOR TO ORDERING, TYPICAL.

(UF) STUB-OUT AND TERMINATE PER GADSDEN STATE IT DEPARTMENT REQUIREMENTS. VERIFY LOCATION OF FIBER CONNECTION POINT PRIOR TO BIDDING AND INCLUDE ALL COST IN BID.

(UG) ROUTE (2)-4"C TO MAIN FIBER ENTRANCE. ROUTE TO CLEAR STRUCTURAL FOOTING. CONDUITS SHALL BE STUBBED UP AND CAPPED 12" A.F.F. IN BUILDING. AS-BUILT DRAWINGS MUST SHOW CONDUIT LENGTH AND ROUTE.

(UH) FIBERGLASS PULLBOX WITH ENGRRAVED LID, TIER 15, SIZED AS REQUIRED FOR FIBER OPTIC CABLES AND INCOMING CONDUITS.

1. ALL UTILITY SERVICE SHALL BE VERIFIED WITH THE UTILITY COMPANIES PRIOR TO BIDDING AND ALL RESULTING COSTS SHALL BE INCLUDED IN BID.

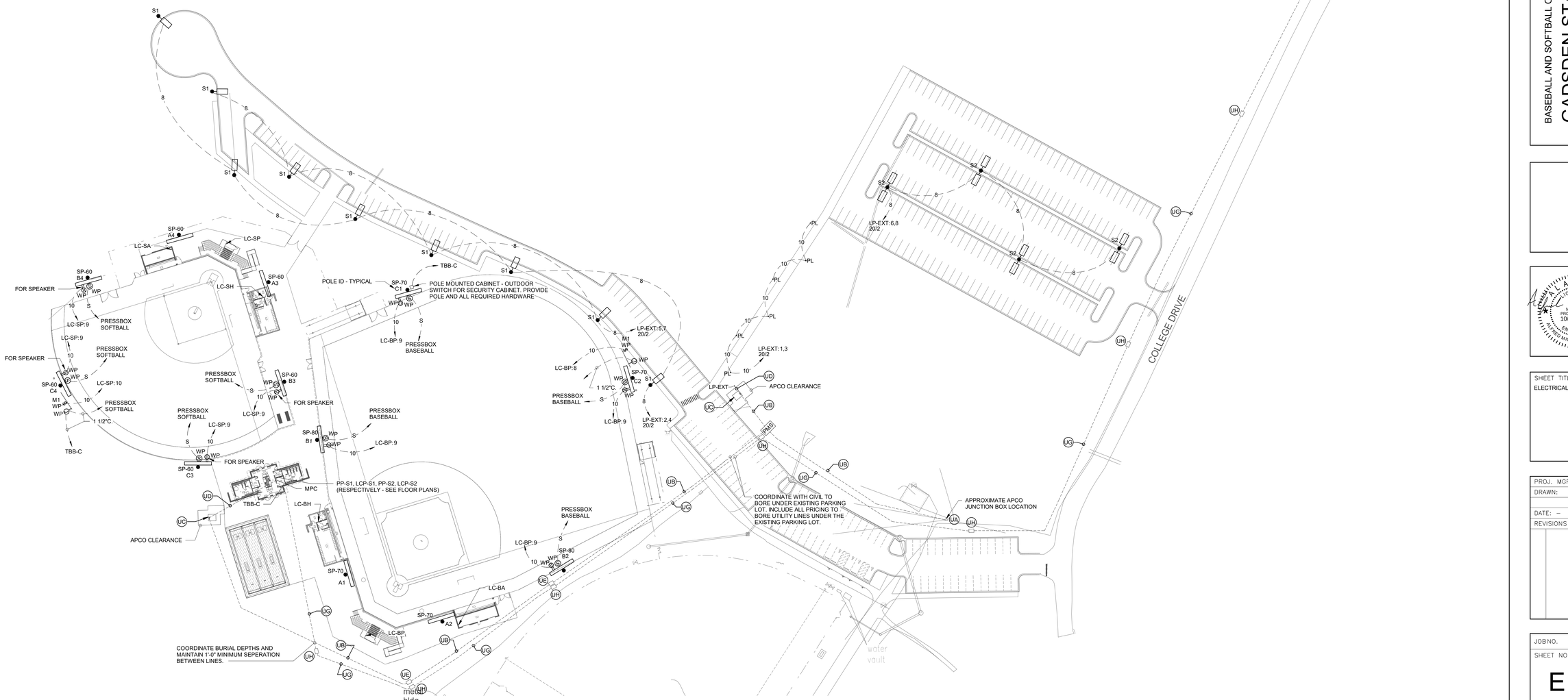
2. ACTUAL INSTALLATION OF ALL UTILITY SERVICES SHALL BE ACCORDING TO FINAL UTILITY COMPANY PLANS.

3. PROVIDE PULLWIRE IN ALL EMPTY CONDUITS.

4. USE JOINT TRENCHING WHEREVER POSSIBLE.

ELECTRICAL UTILITY CONTACT:

ALABAMA POWER COMPANY (APCO): SCOTT WILLIAMSON, GSWILLIA@southernco.com



1 ELECTRICAL - SITE PLAN
1" = 50'-0"

Dewberry
2 Riverchase Office Plaza
Suite 205
Hoover, AL 35244
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www.dewberry.com

Project Number : 50168602

LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 51403 PROFESSIONAL 10/24/2023 ENGINEER MICHAEL MARSH

SHEET TITLE:
ELECTRICAL - SITE PLAN

PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:

E1.0

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(205) 988-2069
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Project Number :
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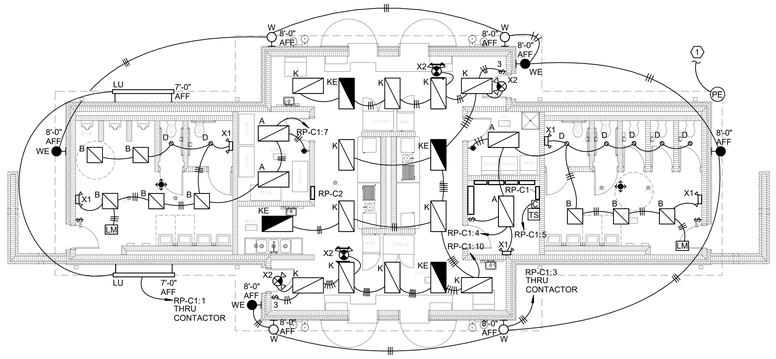
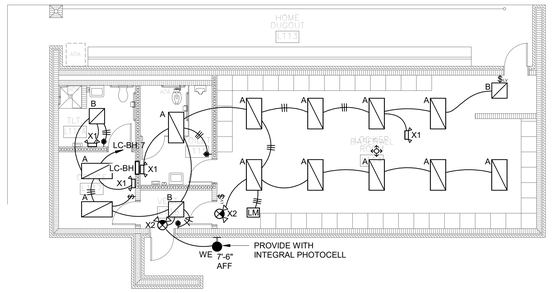
LATHAN ARCHITECTS

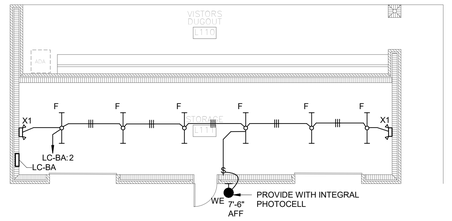


1 LIGHTING - CONCESSIONS FLOOR PLAN
1/8" = 1'-0"

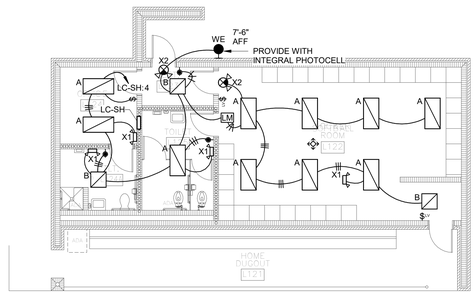
(1) MOUNT PHOTOCELL AS HIGH AS POSSIBLE ON WALL WITHOUT BEING BLOCKED. CONNECT TO CONTACTOR AND TIME SWITCH FOR EXTERIOR LIGHTING CONTROL.



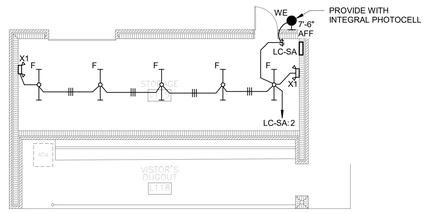
2 LIGHTING - BASEBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



3 LIGHTING - BASEBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"



4 LIGHTING - SOFTBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



5 LIGHTING - SOFTBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA No. 51403 PROFESSIONAL ENGINEER 10/24/2023 ALFRED MICHAEL MAGALNIK

SHEET TITLE:
ELECTRICAL - LIGHTNG FLOOR PLANS

PROJ. MGR.:	– AM
DRAWN:	DB
DATE:	– 10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:

E2.1

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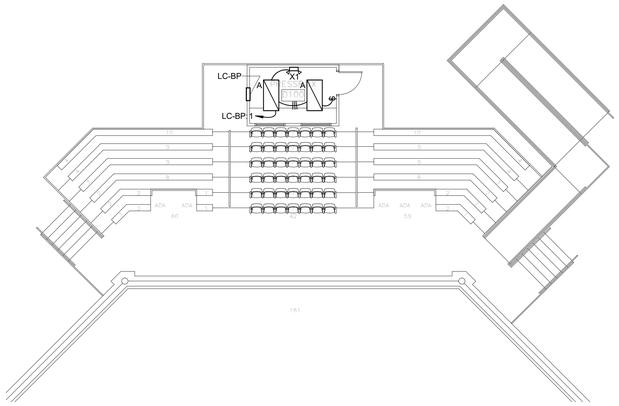
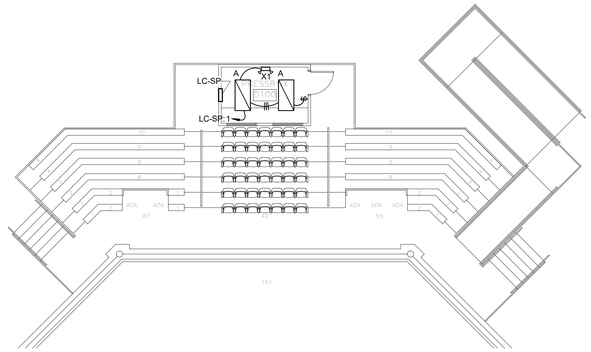
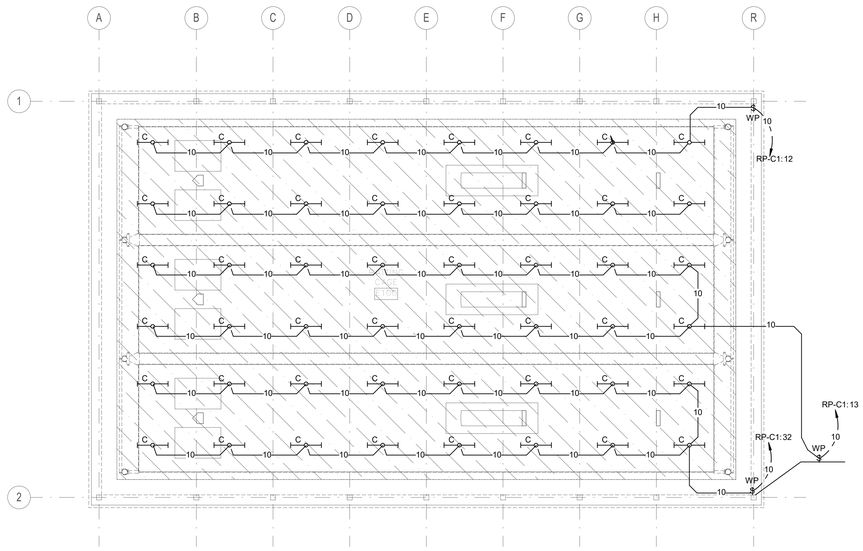
LATHAN ARCHITECTS



1 LIGHTING - BASEBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"



2 LIGHTING - SOFTBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"



3 LIGHTING - BASEBALL - SOFTBALL BATTING CAGE FLOOR PLAN
1/8" = 1'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

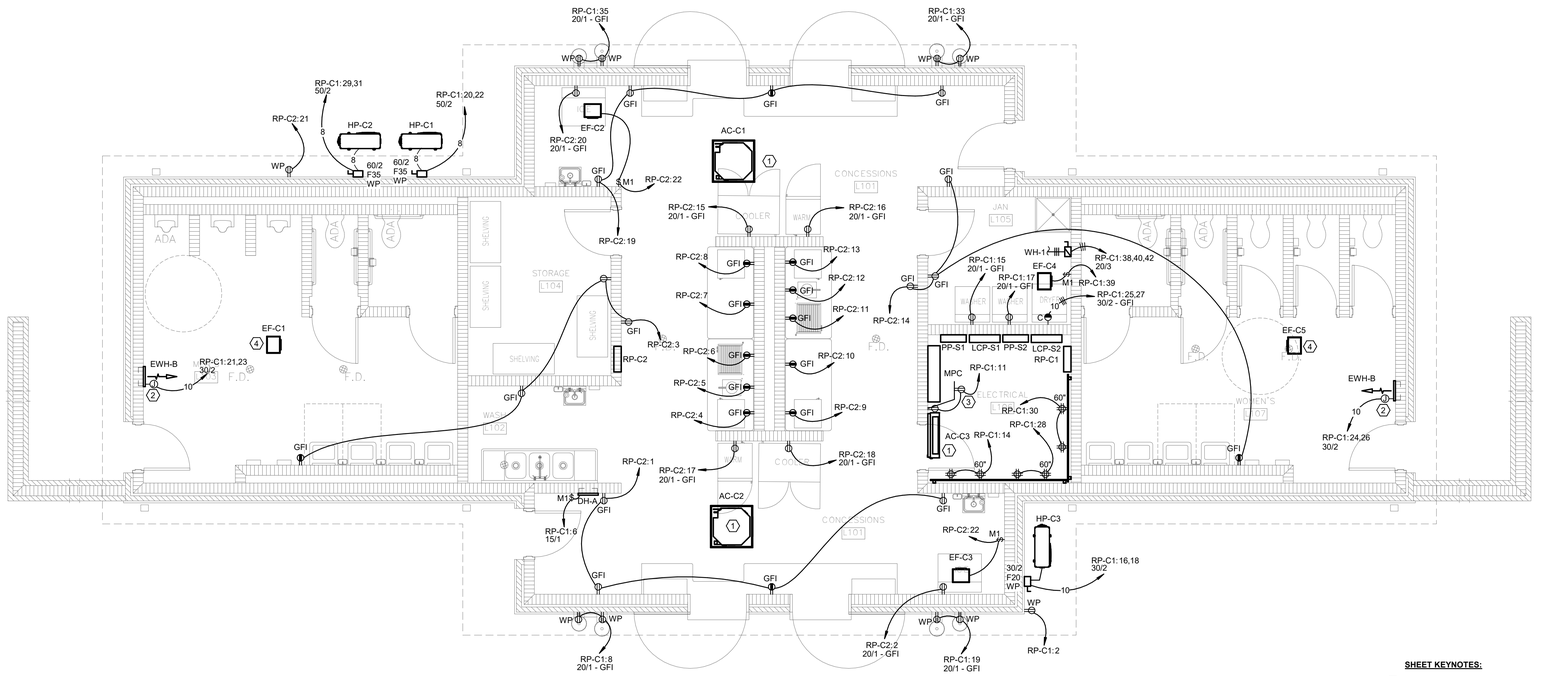
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 51403 PROFESSIONAL 10/24/2023 ENGINEER KENNETH MICHAEL MIRACLE

SHEET TITLE:
ELECTRICAL - LIGHTNG FLOOR PLANS

PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23
REVISIONS	

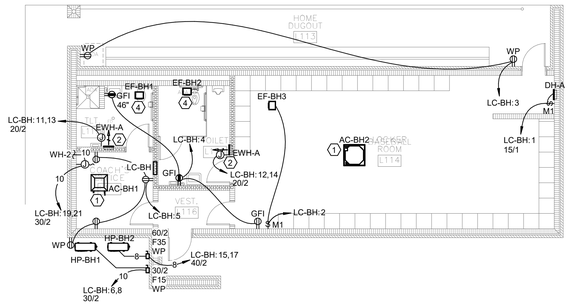
JOB NO. 23-66
SHEET NO:
E2.2



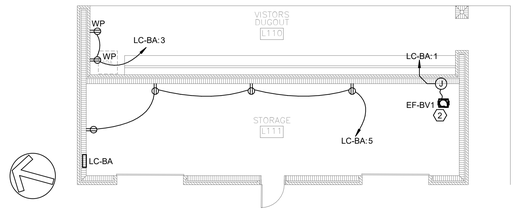
1 POWER - CONCESSIONS FLOOR PLAN
1/4" = 1'-0"

SHEET KEYNOTES:

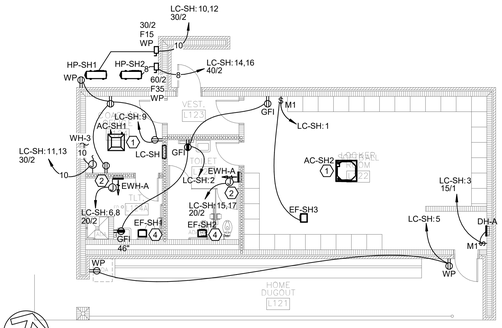
1. POWER FOR INDOOR HEAT PUMP UNITS IS DERIVED FROM OUTDOOR HEAT PUMP. E.C. SHALL PROVIDE AND INSTALL 3-#12, 1-#12(G), 3/4"C. BETWEEN EACH INDOOR AND OUTDOOR UNIT. E.C. SHALL CONNECT 3-POLE DISCONNECT SWITCH PROVIDED BY MECHANICAL FOR EACH UNIT. PROVIDE NEW DISCONNECT AND CIRCUIT BACK TO PANEL.
2. DISCONNECTING MEANS INTEGRAL TO EQUIPMENT/PROVIDED BY MECHANICAL THROUGH THE UNIT.
3. FOR CONDENSATE PUMP - MOUNT AT THE SAME HEIGHT AS THE UNIT/PUMP.
4. CONNECT EXHAUST FAN TO LIGHTING CIRCUIT SERVING ROOM. FAN SHALL BE CONTROLLED BY ROOM LIGHT SWITCH. DISCONNECTING MEANS FOR THE FAN IS INTEGRAL TO THE UNIT.



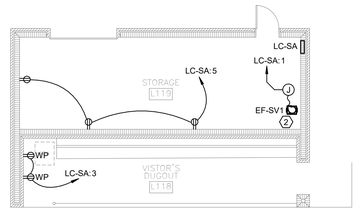
2 POWER - BASEBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



3 POWER - BASEBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"



4 POWER - SOFTBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



5 POWER - SOFTBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"

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LATHAN ARCHITECTS

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA
No. 51603
PROFESSIONAL
10/24/2023
ENGINEER
ANAND MICHAEL MARDIS III

SHEET TITLE:
ELECTRICAL - POWER FLOOR PLANS

PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66

SHEET NO:
E3.1

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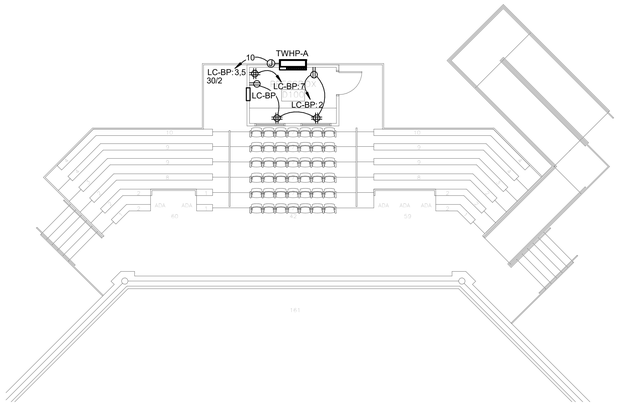
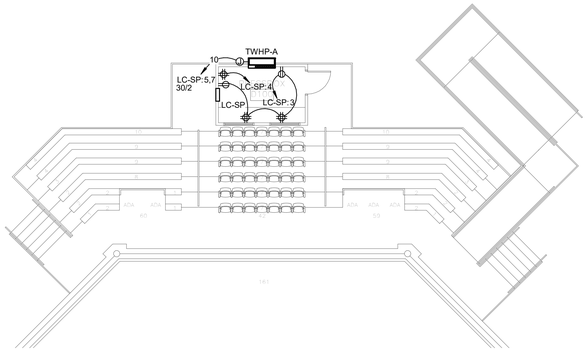
50168602

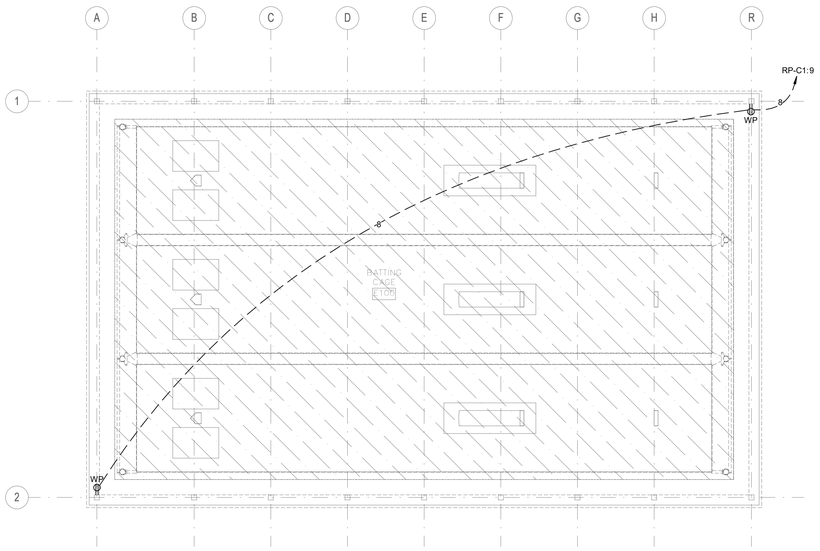
LATHAN ARCHITECTS



1 POWER - BASEBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"



2 POWER - SOFTBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"



3 POWER - BASEBALL - SOFTBALL BATTING CAGE FLOOR PLAN
1/8" = 1'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR
GADSDEN STATE COMMUNITY COLLEGE
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA LICENSED No. 51403 PROFESSIONAL 10/24/2023 ENGINEER KENNETH MICHAEL MARTIN

SHEET TITLE:
ELECTRICAL - POWER FLOOR PLANS

PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66
SHEET NO:
E3.2

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Suite 205
Hoover, AL 35244
(205) 988-2069
www.dewberry.com

Project Number :
50168602

LATHAN ARCHITECTS

SHEET KEYNOTES:

1. 4 POST DATA RACK. LOCATE SO THAT VERTICAL CABLE MANAGEMENT IS NEATLY INSTALLED AGAINST WALL FOR CABLE ROUTING.
2. PROVIDE TBB GROUND BAR. CONNECT WITH #3/0 COPPER WIRE BACK TO MAIN GROUND BAR.

AUXILIARY PLANS - GENERAL NOTES:

SECURITY
A. CONTRACTOR SHALL PROVIDE A COMPLETE SECURITY SYSTEM. THIS INCLUDES PROVIDING ALL DEVICES. HEAD-END EQUIPMENT, CABLING, COMPONENTS, TESTING, ETC. FOR A COMPLETE SYSTEM READY TO BE TURNED OVER TO OWNER AT JOB COMPLETION.

B. ALL SECURITY SYSTEMS/DEVICES SHALL BE THROUGH "NSIDE" CONTACT: MARK LIGHT mlight@gadsdenstate.edu.

C. COORDINATE ALL DEVICES, LOCATIONS, INSTALLATION PLAN, ETC WITH OWNER AND NSIDE PRIOR TO ROUGH-IN

D. ALL SECURITY DEVICES AND CABLING SHALL BE INSTALLED IN CONDUIT AND BOXES PER SPECIFICATIONS 16110 AND 16130 WHERE INSTALLED IN-WALL OR UNDERGROUND. ALL RACEWAYS SHALL HAVE BUSHINGS AND PULLSTRINGS.

E. SECURITY CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING THROUGH J-HOOKS. PROVIDE J-HOOKS TO ALL SECURITY OUTLETS SO THAT NO CABLE IN UNSUPPORTED MORE THAN 5'-0".

F. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING FINAL DEVICE LOCATIONS, WIRING, INSTALLATION DETAILS, AND CAMERA COVERAGE LAYOUT PRIOR TO INSTALLATION.

AUDIO/PUBLIC ANNOUCEMENT/SOUND:
A. CONTRACTOR SHALL PROVIDE A COMPLETE AUDIO SYSTEM AT BASEBALL AND SOFTBALL FIELDS. THIS INCLUDES PROVIDING ALL DEVICES. HEAD-END EQUIPMENT, CABLING, COMPONENTS, TESTING, ETC. FOR A COMPLETE SYSTEM READY TO BE TURNED OVER TO OWNER AT JOB COMPLETION.

B. COORDINATE ALL DEVICES, LOCATIONS, INSTALLATION PLAN, ETC WITH OWNER PRIOR TO ROUGH-IN. COORDINATE MOUNTING OF SPEAKERS AND RACEWAYS ON SPORTS LIGHTING POLES WITH SPORTS LIGHTING EQUIPMENT MANUFACTURER.

C. ALL AUDIO DEVICES AND CABLING SHALL BE INSTALLED IN CONDUIT AND BOXES PER SPECIFICATIONS 16110 AND 16130 WHERE INSTALLED IN-WALL OR UNDERGROUND. ALL RACEWAYS SHALL HAVE BUSHINGS AND PULLSTRINGS.

D. AUDIO CABLING SHALL BE SUPPORTED ABOVE ACCESIBLE CEILING THROUGH J-HOOKS. PROVIDE J-HOOKS TO ALL SECURITY OUTLETS SO THAT NO CABLE IN UNSUPPORTED MORE THAN 5'-0".

E. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING FINAL DEVICE LOCATIONS, WIRING, AND INSTALLATION DETAILS PRIOR TO INSTALLATION.

F. SYSTEM FEATURES SHALL INCLUDE THE FOLLOWING:
1. WIDE 90° X 40° COVERAGE TO PROVIDE AUDIO THROUGHOUT THE INFIELD, OUTFIELD AND BLEACHERS
2. WEATHER RESISTANT 127 DB OUTDOOR LOUDSPEAKERS WITH HIGH-QUALITY VOICE AND MUSIC REPRODUCTION
3. BLUETOOTH MIXER AMPLIFIER TO PLAY MUSIC FROM ANY BLUETOOTH ENABLED DEVICE
4. WIRELESS HANDHELD MICROPHONES WITH MINIMUM 300' OPERATING RANGE
5. HANDHELD ANNOUNCEMENT MIC WITH A QUIET ON/OFF SWITCH AND DESKTOP STAND FOR THE PRESSBOX
6. AUDIO FOR ANNOUNCEMENTS, PLAY-BY-PLAYS, PAGING AND MUSIC

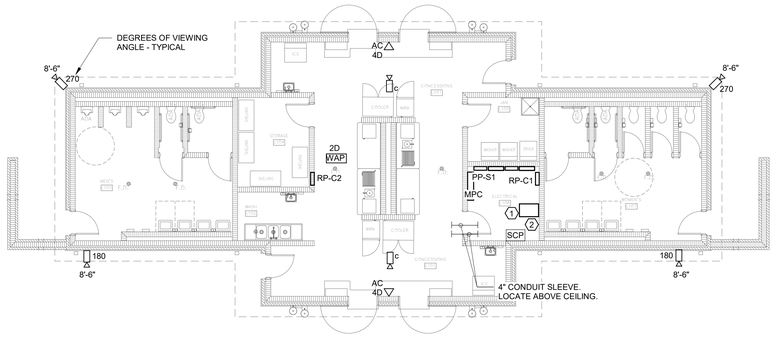
VOICE/DATA
A. CONTRACTOR SHALL PROVIDE A COMPLETE STRUTURED CABLING SYSTEM. THIS INCLUDES PROVIDE ALL DEVICES, HEAD-END EQUIPMENT, CABLING, COMPONENTS, TESTINGS, ETC. FOR A COMPLETE SYSTEM READY TO BE TURNED OVER TO OWNER AT JOB COMPLETION.

B. COORDINATE ALL DEVICES, LOCATIONS, INSTALLATION PLAN, ETC WITH OWNER PRIOR TO ROUGH-IN.

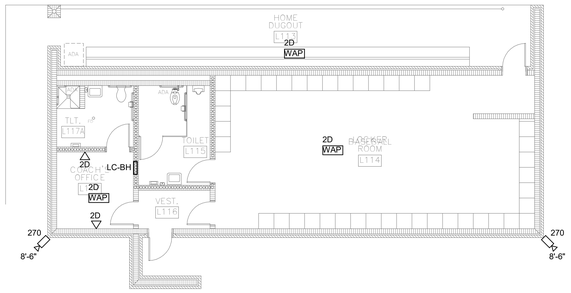
C. ALL LOW VOLTAGE DEVICES AND CABLING SHALL BE INSTALLED IN CONDUIT AND BOXES PER SPECIFICATIONS 16110 AND 16130 WHERE INSTALLED IN-WALL OR UNDERGROUND. ALL RACEWAYS SHALL HAVE BUSHINGS AND PULLSTRINGS.

D. LOW VOLTAGE CABLING SHALL BE SUPPORTED ABOVE ACCESSIBLE CEILING THROUGH J-HOOKS. PROVIDE J-HOOKS TO ALL SECURITY OUTLETS SO THAT NO CABLE IN UNSUPPORTED MORE THAN 5'-0".

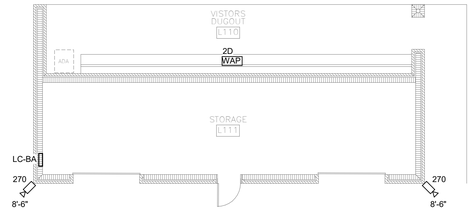
E. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS SHOWING FINAL DEVICE LOCATIONS, WIRING, AND INSTALLATION DETAILS PRIOR TO INSTALLATION.



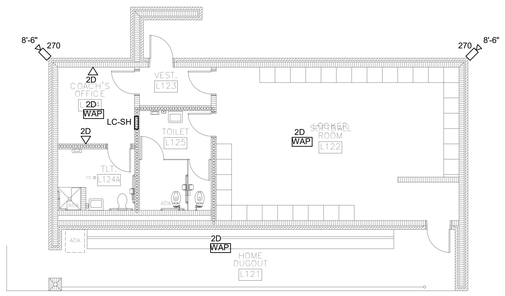
1 AUXILIARY - CONCESSIONS FLOOR PLAN
1/8" = 1'-0"



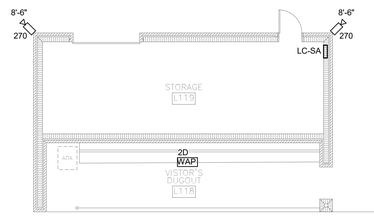
2 AUXILIARY - BASEBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



3 AUXILIARY - BASEBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"



4 AUXILIARY - SOFTBALL HOME DUGOUT FLOOR PLAN
1/8" = 1'-0"



5 AUXILIARY - SOFTBALL VISITOR DUGOUT FLOOR PLAN
1/8" = 1'-0"

BASEBALL AND SOFTBALL COMPLEX RENEWAL FOR

GADSDEN STATE COMMUNITY COLLEGE

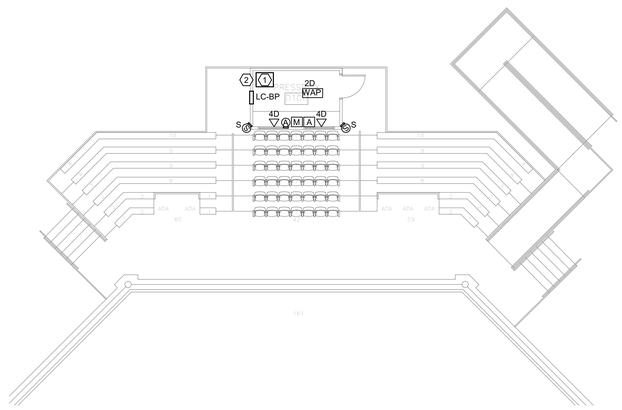
1001 GEORGE WALLACE DRIVE
GADSDEN, ALABAMA 35903

ALABAMA
No. 51403
PROFESSIONAL
10/24/2023
ENGINEER
ANTHONY MICHAEL MIGNOLO III

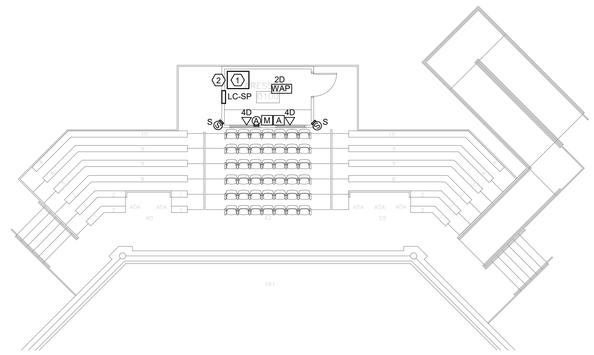
SHEET TITLE:
ELECTRICAL - AUXILIARY FLOOR PLANS

PROJ. MGR.: –	AM
DRAWN:	DB
DATE: –	10/24/23
REVISIONS	

JOB NO. 23-66
SHEET NO:
E4.1



1 AUXILIARY - BASEBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"



2 AUXILIARY - SOFTBALL BLEACHERS - PRESS BOX FLOOR PLAN
1/8" = 1'-0"

SHEET KEYNOTES:

1. WALL MOUNTED DATA RACK. LOCATE SO THAT VERTICAL CABLE MANAGEMENT IS NEATLY INSTALLED AGAINST WALL FOR CABLE ROUTING.
2. PROVIDE TBB GROUND BAR. CONNECT WITH #6 COPPER WIRE BACK TO LOAD CENTER GROUND BAR. MOUNT AT SAME HEIGHT AS DATA RACK.

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