NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS

AT THE

GULF SHORES SPORTSPLEX

FOR THE

GULF SHORES CITY SCHOOLS

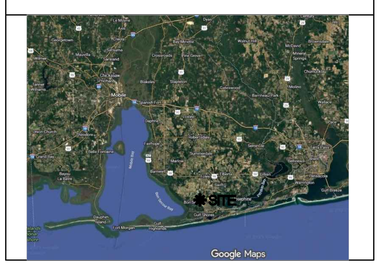
GULF SHORES, ALABAMA

DCM# 2025905

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VICINITY MAP



LOCATION MAP

GULF SHORES SPORTSPLEX
19025 OAK ROAD WEST, GULF SHORES, ALABAMA



CONTACTS

OWNER
Gulf Shores City Schools
300 East 16th Avenue
Gulf Shores, Alabama 36542
Phone: (251) 968.9873

ARCHITECTURAL
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Montgomery, Alabama 36104
Phone: (334) 834.9933

CIVIL
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Spanish Fort, AL 36527
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1005 Browns Hill Road
Lowndesboro, Alabama 36752
Phone: (334) 265.0206

PLUMBING and MECHANICAL
Zgouvas, Eiring and Associates
800 South McDonough Street
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Phone: (334) 263.4406

ELECTRICAL
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Millbrook, AL 36054
Phone: (334) 285.1273

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
COVER SHEET

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
G0.1

0 1" 2"

- Tuesday, May 12, 2026 2:33:42 PM

PLUMBING CALCULATIONS

PLUMBING REQUIREMENTS

OCCUPANT LOAD TOTAL = **135** PERSONS

TOILETS (TABLE 2902.1)
(1 PER 50 OCC.) (**135** OCC.): **3**R

LAVATORIES (TABLE 2902.1)
(1 PER 50 OCC.) (**135** OCC.): **3**R

DRINKING FOUNTAINS (TABLE 2902.1)
(1 PER 1000 OCC.) (**135** OCC.): **1**R

PLUMBING PROVIDED TOTAL

TOILETS (TABLE 2902.1)
- 3 PROVIDED

LAVATORIES (TABLE 2902.1)
- 3 PROVIDED

DRINKING FOUNTAINS (TABLE 2902.1)
2 PROVIDED

CODE REVIEW

CODE: **2021 INTERNATIONAL BUILDING CODE**

OCCUPANCY TYPE: **E**

SPRINKLERED: **NO**

NUMBER OF STORIES: **1**

CONSTRUCTION TYPE: **TYPE II-B**

TYPE **II-B**, REQUIRES THE FOLLOWING
FIRE RESISTANCE (TABLE 601):

STRUCTURAL FRAME:	**0 HOUR**
EXTERIOR BEARING WALLS:	**0 HOUR**
INTERIOR BEARING WALLS:	**0 HOUR**
EXTERIOR NONBEARING WALLS:	**0 HOUR**
INTERIOR NONBEARING WALLS:	**0 HOUR**
FLOOR CONSTRUCTION:	**0 HOUR**
ROOF CONSTRUCTION:	**0 HOUR**

OTHER REQUIREMENTS:

OCCUPANCY SEPARATION (TABLE 508.4): **NO MIXED OCCUPANCY**

ALLOWABLE EXIT ACCESS TRAVEL DISTANCE:
200 FEET FOR **NON-SPRINKLERED EDUCATIONAL OCCUPANCY (**TABLE 1017.2)

EXIT CALCULATIONS

TOTAL BUILDING AREA

OCCUPANCY TYPE - **'E'**
BUILDING TYPE: **II-B NON-SPRINKLERED**
ALLOWABLE AREA FACTOR: **14,500** SQ FT (TABLE 506.2)
ACTUAL SF: **8,886** SQ FT

ALLOWABLE HEIGHT (TABLE 504.3) ALLOWABLE # OF STORIES (TABLE 504.4)
ALLOWABLE HEIGHT: **55** FT
ALLOWABLE NO. OF STORIES: **2**
ACTUAL BUILDING HEIGHT: ± **20** FT
ACTUAL NO. OF STORIES: **1**

BUILDING AREA MODIFICATION (506.3)
FRONTAGE INCREASE (506.3.3) - NOT NEEDED

OCCUPANT LOAD

OCCUPANT LOAD TOTAL (1004 & TABLE 1004.1.2) = **135** PERSONS

EXIT REQUIREMENTS

EXIT ACCESS (TABLE 1006.2.1 & TABLE 1006.3.1)
NO. OF EXITS REQUIRED: **2**
NO. OF EXITS FURNISHED: **3**

MEANS OF EGRESS WIDTH (1005.3)
SEE PLAN FOR EXIT WIDTHS.

MINIMUM CORRIDOR WIDTH (TABLE 1020.2) **NA**

CODE LEGEND

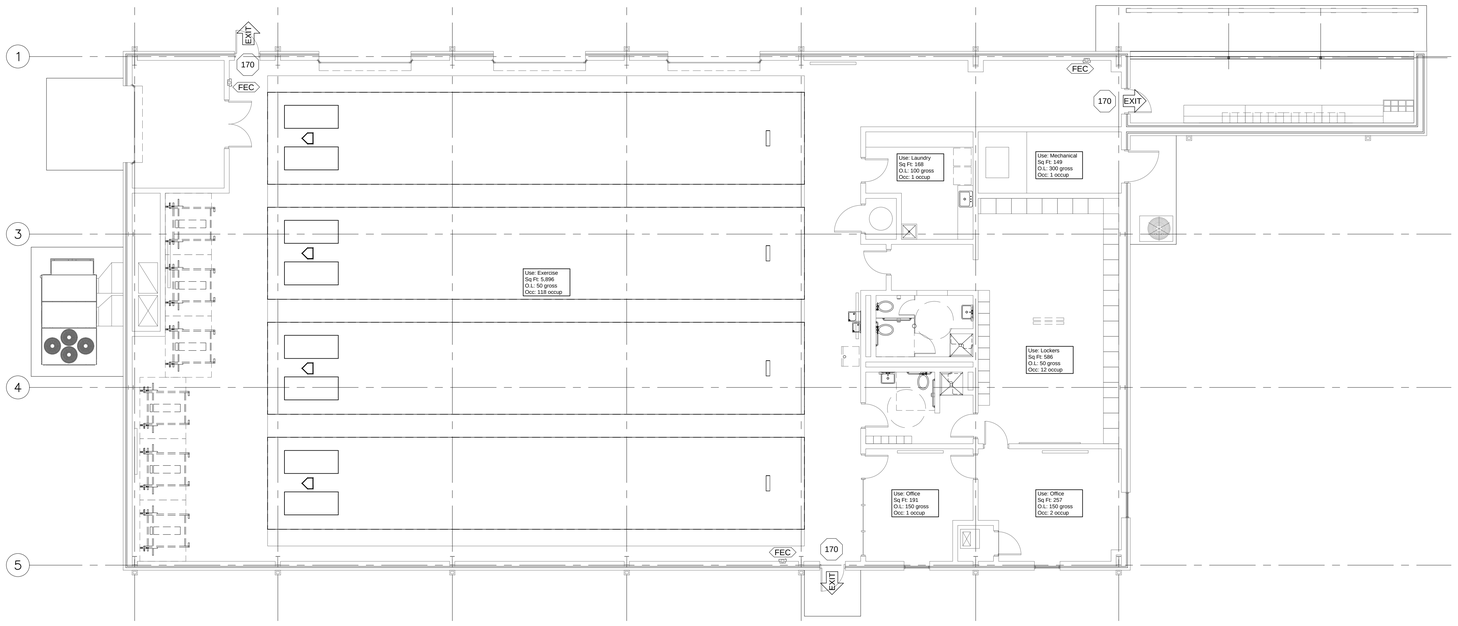
SYMBOL	DESCRIPTION
EXIT	PRIMARY BUILDING EXIT
TD 250'	TRAVEL DISTANCE NEAREST TO EXIT
	HANDICAP ACCESSIBLE
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
340	CALCULATED EGRESS CAPACITY (PERSONS)

NOTICE

THIS IS AN EDUCATIONAL OCCUPANCY WITH A MAXIMUM OCCUPANT LOAD OF 135 PERSONS. THIS IS NOT AN ASSEMBLY OCCUPANCY AND CANNOT ALLOW SPECTATORS TO OCCUPY THIS FACILITY.

Keep Posted Under Penalty Of Law

OCCUPANCYSIGN



LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
BASEBALL
CODE PLAN

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
G1.1

0 1" 2"

- Tuesday, May 12, 2026 3:09:25 PM

PLUMBING CALCULATIONS

PLUMBING REQUIREMENTS

OCCUPANT LOAD TOTAL = **149** PERSONS

TOILETS (TABLE 2902.1)
(1 PER 50 OCC.) (**149** OCC.): **3**R

LAVATORIES (TABLE 2902.1)
(1 PER 50 OCC.) (**149** OCC.): **3**R

DRINKING FOUNTAINS (TABLE 2902.1)
(1 PER 1000 OCC.) (**149** OCC.): **1**R

PLUMBING PROVIDED TOTAL

TOILETS (TABLE 2902.1)
- 3 PROVIDED

LAVATORIES (TABLE 2902.1)
- 3 PROVIDED

DRINKING FOUNTAINS (TABLE 2902.1)
2 PROVIDED

CODE REVIEW

CODE: **2021 INTERNATIONAL BUILDING CODE**

OCCUPANCY TYPE: **E**

SPRINKLERED: **NO**

NUMBER OF STORIES: **1**

CONSTRUCTION TYPE: **TYPE II-B**

TYPE **II-B**, REQUIRES THE FOLLOWING
FIRE RESISTANCE (TABLE 601):

STRUCTURAL FRAME:	**0 HOUR**
EXTERIOR BEARING WALLS:	**0 HOUR**
INTERIOR BEARING WALLS:	**0 HOUR**
EXTERIOR NONBEARING WALLS:	**0 HOUR**
INTERIOR NONBEARING WALLS:	**0 HOUR**
FLOOR CONSTRUCTION:	**0 HOUR**
ROOF CONSTRUCTION:	**0 HOUR**

OTHER REQUIREMENTS:

OCCUPANCY SEPARATION (TABLE 508.4): **NO MIXED OCCUPANCY**

ALLOWABLE EXIT ACCESS TRAVEL DISTANCE:
200 FEET FOR **NON-SPRINKLERED EDUCATIONAL OCCUPANCY (**TABLE 1017.2)

EXIT CALCULATIONS

TOTAL BUILDING AREA

OCCUPANCY TYPE - **'E'**
BUILDING TYPE: **II-B NON-SPRINKLERED**
ALLOWABLE AREA FACTOR: **14,500** SQ FT (TABLE 506.2)
ACTUAL SF: **9,061** SQ FT

ALLOWABLE HEIGHT (TABLE 504.3) ALLOWABLE # OF STORIES (TABLE 504.4)
ALLOWABLE HEIGHT: **55** FT
ALLOWABLE NO. OF STORIES: **2**
ACTUAL BUILDING HEIGHT: ± **20** FT
ACTUAL NO. OF STORIES: **1**

BUILDING AREA MODIFICATION (506.3)
FRONTAGE INCREASE (506.3.3) - NOT NEEDED

OCCUPANT LOAD

OCCUPANT LOAD TOTAL (1004 & TABLE 1004.1.2) = **149** PERSONS

EXIT REQUIREMENTS

EXIT ACCESS (TABLE 1006.2.1 & TABLE 1006.3.1)
NO. OF EXITS REQUIRED: **2**
NO. OF EXITS FURNISHED: **3**

MEANS OF EGRESS WIDTH (1005.3)
SEE PLAN FOR EXIT WIDTHS.

MINIMUM CORRIDOR WIDTH (TABLE 1020.2) **NA**

CODE LEGEND

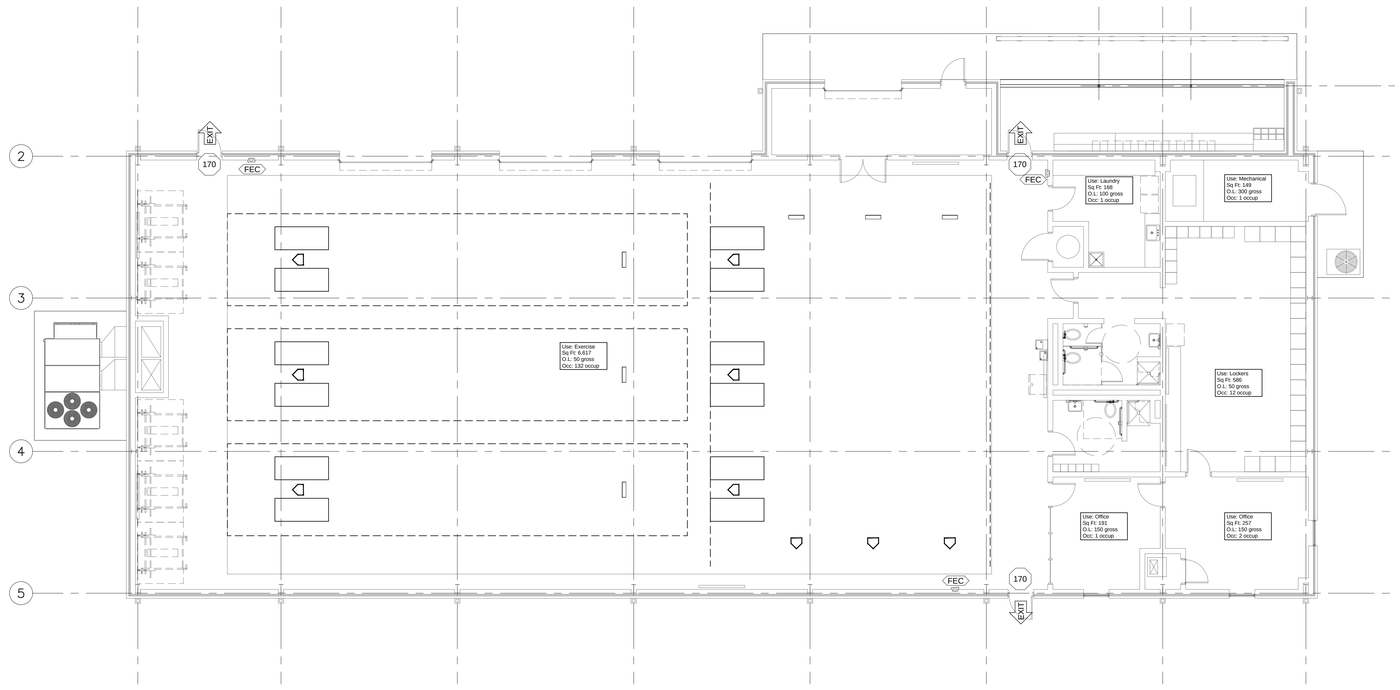
SYMBOL	DESCRIPTION
EXIT	PRIMARY BUILDING EXIT
TD 250'	TRAVEL DISTANCE NEAREST TO EXIT
	HANDICAP ACCESSIBLE
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
340	CALCULATED EGRESS CAPACITY (PERSONS)

NOTICE

THIS IS AN EDUCATIONAL OCCUPANCY WITH A MAXIMUM OCCUPANT LOAD OF 149 PERSONS. THIS IS NOT AN ASSEMBLY OCCUPANCY AND CANNOT ALLOW SPECTATORS TO OCCUPY THIS FACILITY.

Keep Posted Under Penalty Of Law

OCCUPANCYSIGN



LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
SOFTBALL
CODE PLAN

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
G1.2

0 1" 2"

- Tuesday, May 12, 2026 3:20:59 PM

PLUMBING CALCULATIONS

PLUMBING REQUIREMENTS

OCCUPANT LOAD TOTAL = **64** PERSONS

TOILETS (TABLE 2902.1)
(1 PER 50 OCC.) (**64** OCC.): **2R**

LAVATORIES (TABLE 2902.1)
(1 PER 50 OCC.) (**64** OCC.): **2R**

DRINKING FOUNTAINS (TABLE 2902.1)
(1 PER 1000 OCC.) (**64** OCC.): **1R**

PLUMBING PROVIDED TOTAL

TOILETS (TABLE 2902.1)
- 14 PROVIDED

LAVATORIES (TABLE 2902.1)
- 4 PROVIDED

DRINKING FOUNTAINS (TABLE 2902.1)
WATER PROVIDED

CODE REVIEW

CODE: **2021 INTERNATIONAL BUILDING CODE**

OCCUPANCY TYPE: **E**

SPRINKLERED: **NO**

NUMBER OF STORIES: **1**

CONSTRUCTION TYPE: **TYPE V-B**

TYPE **V-B**, REQUIRES THE FOLLOWING
FIRE RESISTANCE (TABLE 601):

STRUCTURAL FRAME:	**0 HOUR**
EXTERIOR BEARING WALLS:	**0 HOUR**
INTERIOR BEARING WALLS:	**0 HOUR**
EXTERIOR NONBEARING WALLS:	**0 HOUR**
INTERIOR NONBEARING WALLS:	**0 HOUR**
FLOOR CONSTRUCTION:	**0 HOUR**
ROOF CONSTRUCTION:	**0 HOUR**

OTHER REQUIREMENTS:

OCCUPANCY SEPARATION (TABLE 508.4): **NO MIXED OCCUPANCY**

ALLOWABLE EXIT ACCESS TRAVEL DISTANCE:
200 FEET FOR **NON-SPRINKLERED EDUCATIONAL OCCUPANCY (**TABLE 1017.2)

EXIT CALCULATIONS

TOTAL BUILDING AREA

OCCUPANCY TYPE - **'E'**
BUILDING TYPE: **V-B NON-SPRINKLERED**
ALLOWABLE AREA FACTOR: **9,500** SQ FT (TABLE 506.2)
ACTUAL SF: **6,083** SQ FT

ALLOWABLE HEIGHT (TABLE 504.3) ALLOWABLE # OF STORIES (TABLE 504.4)
ALLOWABLE HEIGHT: **40** FT
ALLOWABLE NO. OF STORIES: **1**
ACTUAL BUILDING HEIGHT: ± **20** FT
ACTUAL NO. OF STORIES: **1**

BUILDING AREA MODIFICATION (506.3)
FRONTAGE INCREASE (506.3.3) - NOT NEEDED

OCCUPANT LOAD

OCCUPANT LOAD TOTAL (1004 & TABLE 1004.1.2) = **64** PERSONS

EXIT REQUIREMENTS

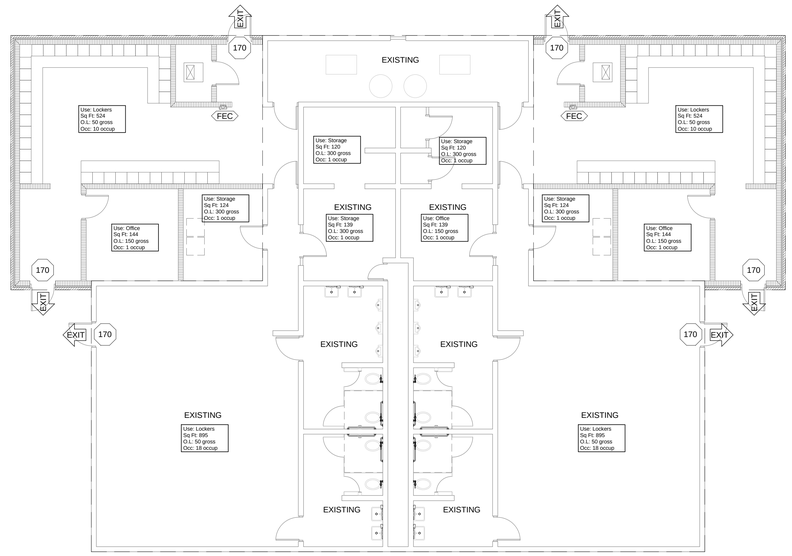
EXIT ACCESS (TABLE 1006.2.1 & TABLE 1006.3.1)
NO. OF EXITS REQUIRED: **2**
NO. OF EXITS FURNISHED: **4**

MEANS OF EGRESS WIDTH (1005.3)
SEE PLAN FOR EXIT WIDTHS.

MINIMUM CORRIDOR WIDTH (TABLE 1020.2) **NA**

CODE LEGEND

SYMBOL	DESCRIPTION
EXIT	PRIMARY BUILDING EXIT
TD 250'	TRAVEL DISTANCE NEAREST TO EXIT
	HANDICAP ACCESSIBLE
FEC	FIRE EXTINGUISHER CABINET
FE	FIRE EXTINGUISHER
340	CALCULATED EGRESS CAPACITY (PERSONS)



LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
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GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
SOCCER
CODE PLAN

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
G1.3

0 1" 2"

- Tuesday, May 12, 2026 4:19:11 PM

UTILITY PLAN NOTES

1. THE CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER'S CONSTRUCTION SURVEILLANCE REPRESENTATIVE AND LOCAL JURISDICTIONAL INSPECTOR 48 HOURS BEFORE THE BEGINNING OF EACH PHASE OF CONSTRUCTION.

2. ALL WORK SHALL COMPLY WITH APPLICABLE STATE, FEDERAL, AND LOCAL CODES, AND ALL NECESSARY LICENSES AND PERMITS SHALL BE OBTAINED BY THE CONTRACTOR AT HIS EXPENSE UNLESS PREVIOUSLY OBTAINED BY THE OWNER/DEVELOPER.

3. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE ENGINEER OF ANY DISCREPANCIES OR ERRORS HE DISCOVERS IN THE PLAN.

4. DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER OR HIS REPRESENTATIVE OR THE ENGINEER MAY BE CAUSE FOR THE WORK TO BE UNACCEPTABLE.

5. THE CONTRACTOR IS REQUIRED TO USE THE ONE-CALL CENTER TELEPHONE NUMBER FOR THE PURPOSE OF COORDINATING THE MARKING OF UNDERGROUND UTILITIES.

6. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND TO TAKE WHATEVER STEPS ARE NECESSARY TO PROVIDE FOR THEIR PROTECTION. THE ENGINEER HAS DILIGENTLY ATTEMPTED TO LOCATE AND INDICATE ALL EXISTING FACILITIES ON THESE PLANS, HOWEVER, THIS INFORMATION IS SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS OF UTILITIES SHOWN OR NOT SHOWN. CONTRACTOR TO CONTACT THE UTILITY COMPANIES FOR EXACT LOCATION OF THEIR UTILITIES PRIOR TO STARTING CONSTRUCTION. ANY AND ALL DAMAGE MADE TO UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR AND REPLACE.

7. THE CONTRACTOR SHALL COORDINATE LOCATION AND INSTALLATION OF ALL UNDERGROUND UTILITIES AND APPURTENANCES TO MINIMIZE DISTURBING CURBING, PAVING AND COMPACTED SUB-GRADE.

8. UTILITY COORDINATION SHALL BE INCLUDED IN THE PROJECT SCHEDULE AND IT IS THE EXPLICIT RESPONSIBILITY OF THE CONTRACTOR TO ASSURE THAT THE PROJECT SCHEDULE INCLUDES THE NECESSARY RELOCATION. THE CONTRACTOR SHOULD SEEK ASSISTANCE FROM ALL UTILITY COMPANIES TO LOCATE AND PROTECT THEIR FACILITIES.

9. THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY DAMAGE DONE BY HIS EQUIPMENT TO EXISTING UTILITIES, CROSS-DRAIN PIPES AND HEADWALLS.

10. THE CONTRACTOR SHALL EXPLORE AHEAD 200 FEET SO ADJUSTMENTS CAN BE MADE IN THE ALIGNMENT OF THE PIPE IN CASE OF CONFLICTS WITH EXISTING STRUCTURES, UTILITIES AND PIPING.

11. ALL EXCESS MATERIAL FROM EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREVENTING PIPE FROM FLOATING. IF PIPE FLOATS DURING CONSTRUCTION, THE CONTRACTOR SHALL RELAY PIPE TO GRADE AT HIS EXPENSE.

13. ALL PROPERTY LINE MARKERS (IRON PINS, CONCRETE MONUMENTS, ETC.) DESTROYED DURING CONSTRUCTION SHALL BE REPLACED IN KIND BY THE CONTRACTOR. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF ALABAMA TO RESET PROPERTY MARKERS. THE COST FOR THIS WORK SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

14. THE CONTRACTOR SHALL MEET OR EXCEED ALL REQUIREMENTS OF THE LOCAL UTILITIES AUTHORITY CONSTRUCTION SPECIFICATIONS FOR WATER, SEWER, & ELECTRICAL.

15. AFTER THE PROPOSED GRAVITY SEWER SYSTEM IS COMPLETED THE CONTRACTOR SHALL VIDEO THE SYSTEM & SUBMIT TO THE OWNER, ARCHITECT, & ENGINEER FOR REVIEW. THE CONTRACTOR SHALL PULL MANDREL TESTS ON ALL INSTALLED GRAVITY MAINS IN ADDITION TO ALL OTHER REQUIREMENT OF THE LOCAL UTILITY AUTHORITY.

16. THE CONTRACTOR SHALL PROVIDE AS-BUILT SHOTS OF ALL UTILITIES TO THE OWNER UPON COMPLETION.

GRADING AND DRAINAGE NOTES

1. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.

2. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.

3. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.

4. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.

5. COMPACTION OF THE BACKFILL OF ALL TRENCHES SHALL BE COMPACTED TO THE DENSITY OF 95% OF THEORETICAL MAXIMUM DRY DENSITY (ATM D698). BACKFILL MATERIAL SHALL BE FREE FROM ROOTS, STUMPS OR OTHER FOREIGN DEBRIS AND SHALL BE PLACED AT OR NEAR OPTIMUM MOISTURE. CORRECTION OF ANY TRENCH SETTLEMENT WITHIN A YEAR FROM THE DATE OF APPROVAL WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

6. ALL FILL MATERIAL AND COMPACTION REQUIREMENTS SHALL MEET THE GEOTECHNICAL REPORT PREPARED BY GEOCON ENGINEERING & MATERIALS TESTING.

7. MAXIMUM SLOPE OF EMBANKMENT SHALL BE 3.0 FEET HORIZONTAL TO 1.0 FOOT VERTICAL, OR MATCH EXISTING.

8. PROPOSED CONTOUR INTERVALS ARE AS LABELED. ALL PROPOSED CONTOURS ARE FINISHED GRADES.

9. THE CONTRACTOR WILL INSURE THAT POSITIVE AND ADEQUATE DRAINAGE IS MAINTAINED AT ALL TIMES WITHIN THE PROJECT LIMITS. THIS MAY INCLUDE, BUT NOT LIMITED TO, REPLACEMENT OR RECONSTRUCTION OF EXISTING DRAINAGE STRUCTURES THAT HAVE BEEN DAMAGED OR REMOVED OR RE-GRADING AS REQUIRED BY THE ENGINEER, EXCEPT FOR THOSE DRAINAGE ITEMS SHOWN AT SPECIFIC LOCATIONS IN AND HAVING SPECIFIC PAY ITEMS IN THE DETAILED ESTIMATE. NO SEPARATE PAYMENT WILL BE MADE FOR ANY COSTS INCURRED TO COMPLY WITH THIS REQUIREMENT.

10. EXCESS EARTH CUT MATERIAL, IF ANY, SHALL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE APPROVED TO BE PLACED ON SITE BY THE OWNER.

11. ALL STORM DRAINAGE PIPE SHALL BE LAID ON SMOOTH CONTINUOUS GRADES WITH NO VISIBLE BENDS AT JOINTS.

12. ALL STORM DRAINAGE INLET STRUCTURES SHALL HAVE METAL FRAME AND COVER FOR ACCESS.

13. THE CONTRACTOR SHALL PROVIDE ANY EXCAVATION AND MATERIAL SAMPLES NECESSARY TO CONDUCT REQUIRED SOIL TESTS. ALL ARRANGEMENTS AND SCHEDULING FOR THE TESTING SHALL BE THE CONTRACTOR'S RESPONSIBILITY.

14. SOILS TESTING AND ON-SITE INSPECTION SHALL BE PERFORMED BY AN INDEPENDENT GEOTECHNICAL ENGINEER. THE SOILS ENGINEER SHALL PROVIDE COPIES OF TEST REPORTS TO THE CONTRACTOR, THE OWNER AND THE OWNER'S REPRESENTATIVE AND SHALL PROMPTLY NOTIFY THE OWNER, HIS REPRESENTATIVE AND THE CONTRACTOR SHOULD WORK PERFORMED BY THE CONTRACTOR FAIL TO MEET THESE SPECIFICATIONS.

15. CONTRACTOR SHALL REMOVE ALL UNSUITABLE MATERIAL FROM LIMITS OF ROADWAY CONSTRUCTION AS DIRECTED BY AN INDEPENDENT GEOTECHNICAL-TECHNICAL ENGINEER. UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE SITE UNLESS OTHERWISE DIRECTED.

SOIL EROSION AND SEDIMENT CONTROL NOTES

1. ALL DRAINAGE SWALES MUST BE GRASSED AND RIP-RAP MUST BE PLACED AS SHOWN TO CONTROL EROSION.

2. SILT FENCE MUST MEET THE REQUIREMENTS OF LOCAL JURISDICTIONAL AGENCY, SAID REQUIREMENTS AS SHOWN BY THESE PLANS.

3. DISTURBED AREAS SHALL BE VEGETATED AFTER CONSTRUCTION. USE TEMPORARY SEASONAL SEEDING AND MULCHING ON GOING AS PER ALDOT STANDARD SPEC. SECTIONS 652 AND 656 RESPECTIVELY AND USE CENTIPEDE SOD FOR PERMANENT GRASSING AS PER ALDOT STANDARD SPEC. SECTION 654.

4. ADDITIONAL EROSION CONTROL MEASURES OR SILT BARRIERS TO BE PLACED AS SHOWN AND/OR DIRECTED BY THE PROJECT ENGINEER AND/OR LOCAL JURISDICTIONAL INSPECTOR.

5. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:

   A. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.

   B. THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.

6. FOR ALL CONSTRUCTION ALONG AND/OR ACROSS WATERWAYS, BANK PROTECTION AND STABILIZATION SHALL BE REQUIRED AS PER LOCAL JURISDICTIONAL EROSION LAWS,

7. ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO COMMENCING CONSTRUCTION AND SHALL BE MAINTAINED IN PROPER WORKING ORDER UNTIL ALL DISTURBED AREAS ARE STABILIZED. CONSTRUCTION ENTRANCE PADS SHALL BE INSTALLED BY THE CONTRACTOR AT CONSTRUCTION ACCESS POINTS PRIOR TO LAND DISTURBANCE.

8. A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.

9. CONSTRUCT SILT FENCE ALONG THE DOWNSTREAM SIDE OF ALL PROPOSED FILL CONSTRUCTION.

10. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE ENGINEER IMMEDIATELY.

11. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR LOCAL JURISDICTIONAL INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.

12. THE CONTRACTOR SHALL REMOVE ACCUMULATED SILT WHEN THE SILT IS 1/3 OF THE HEIGHT OF THE SILT FENCE UTILIZED FOR EROSION CONTROL. IN THE DETENTION POND, SILT SHALL BE REMOVED WHEN A DEPTH OF 18" HAS ACCUMULATED AT THE WEIR.

13. ALL EASEMENTS DISTURBED MUST BE DRESSED AND GRASSED TO CONTROL EROSION IN ACCORDANCE WITH EASEMENT PLATS PRIOR ACCEPTANCE.

14. SILT BARRIERS TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.

15. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL NECESSARY BARRICADES AROUND THE WORK AND SHALL PROVIDE PROTECTION AGAINST WATER DAMAGE AND SOIL EROSION.

16. TREE PROTECTION AND EROSION CONTROL MEASURES ARE TO BE ACCOMPLISHED PRIOR TO ANY OTHER CONSTRUCTION ON THE SITE AND MAINTAINED UNTIL PERMANENT GROUND COVER IS ESTABLISHED.

17. ALL SILT BARRIERS MUST BE PLACED AS ACCESS IS OBTAINED DURING CLEARING. NO GRADING SHALL BE DONE UNTIL SILT BARRIER AND DETENTION FACILITIES ARE CONSTRUCTED.

18. ALL SEDIMENT CONTROL DEVICES ARE TO BE CONSTRUCTED AND FULLY OPERATIONAL PRIOR TO ANY OTHER CONSTRUCTION OR GRADING.

19. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS POSSIBLE WITH SEASONAL TEMPORARY SEEDING AND MULCHING AS PER ALDOT STANDARD SPEC. SECTIONS 652 AND 656.

20. ALL SLOPES SHALL BE STABILIZED AS SOON AS POSSIBLE.

21. GRASS AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED WITH GRASS IN KIND. IN AREAS OF INDECIPHERABLE GRASSES USE CENTIPEDE SOD FOR PERMANENT GRASSING AS PER ALDOT STANDARD SPEC. SECTION 654.

22. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PERFORM REQUIRED MAINTENANCE OF ALL EROSION AND SEDIMENT CONTROL DEVICES TO ENSURE THEIR FUNCTION AT ALL TIMES.

23. IF HEAVY RAINFALL IS PREDICTED, CONTRACTOR SHALL INSPECT EROSION CONTROL ITEMS WITH ENGINEER PRIOR TO EVENT, IF AT ALL POSSIBLE. ANY IMPROVEMENTS, CLEANING, OR ADJUSTMENTS THAT ARE REQUIRED PRIOR TO EVENT SHALL BE GIVEN FULL URGENCY AS MUCH IS POSSIBLE.

SITE NOTES

1. ALL CONCRETE SHALL BE CLASS A, 4,000 PSI AT 28 DAYS COMPRESSIVE STRENGTH WITH A MAXIMUM SLUMP OF 4" UNLESS NOTED OTHERWISE. ALL EXPOSED CONCRETE TO HAVE A FINE BROOM FINISH.

2. ALL MATERIALS SHALL BE NEW UNLESS USED OR SALVAGED MATERIALS ARE AUTHORIZED BY THE OWNER OR TENANT.

3. ALL DIMENSIONS ARE FACE OF CURB OR AS NOTED.

4. NECESSARY BARRICADES, SUFFICIENT LIGHTS, SIGNS AND OTHER TRAFFIC CONTROL METHODS AS MAY BE NECESSARY PER MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PART VI, SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. THE PROJECT WILL REQUIRE ROAD CLOSURE/ TRAFFIC CONTROL SCHEME.

5. SPECIAL CARE SHALL BE GIVEN WHILE WORKING NEAR PRIVATE RESIDENCES. ANY DAMAGES TO OR ADJACENT TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

6. IF ANY CONFLICTS EXIST BETWEEN APPLICABLE ACCESSIBILITY CODES, STANDARDS AND GUIDELINES THE CODES, STANDARDS, AND GUIDELINES PROVIDING THE GREATER DEGREE OF ACCESSIBILITY TAKE PRECEDENCE AS PER HUD MAP CHAPTER 5 GUIDELINES.

7. ALL ACCESSIBILITY CODES, STANDARDS AND GUIDELINES USED FOR THE PROJECT DESIGN MUST BE INCLUDED WITHIN THE CODE SUMMARY.

SHEET INDEX

SHEET NO.	SHEET TITLE
C-1.0	CIVIL PROJECT NOTES
C-1.1	PROJECT OVERVIEW
C-1.2	FIRE PROTECTION OVERVIEW
C-2.0	EXIST CONDITIONS PLAN
C-2.1	DEMOLITION PLAN 1
C-2.2	DEMOLITION PLAN 2
C-3.0	GEOMETRIC PLAN 1
C-3.1	GEOMETRIC PLAN 2
C-4.0	GRADING & DRAINAGE PLAN 1
C-4.1	GRADING & DRAINAGE PLAN 2
C-4.2	DOWNSPOUT PLAN
C-5.0	UTILITY PLAN 1
C-5.1	UTILITY PLAN 2
C-5.2	WATER DETAILS
C-5.3	SEWER DETAILS
C-6.0	CIVIL CONSTRN DETAILS
C-7.0	EROSION CONTROL PLAN
C-7.1	EROSION CONTROL DETAILS

UTILITY PROVIDERS

POWER: BALDWIN EMC
WATER: GULF SHORES UTILITIES
SEWER: PRIVATE
GAS: RIVIERA UTILITIES

ON-SITE CONTACT: SAWGRASS CONSULTING LLC.

(251) 544-7900 (OFFICE)
(251) 544-7918 (FAX)

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA
LICENSED
No. 31262
PROFESSIONAL
ENGINEER
James H. Robertson, Jr.

SHEET TITLE:
CIVIL PROJECT NOTES

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
C-1.0

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB NOTES-DETAILS.dwg
- Friday, April 24, 2026 10:09:19 AM

LEGEND

- R/W-PROP LINE
- EX WATER-LINE
- EX SEWER-LINE
- EX FIBER-LINE
- EX UG POWER-LINE
- EX POWER SECONDARY
- EX GAS-LINE
- EX DRAINAGE PIPE
- EX CHAIN-LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA
- PR WATER-LINE
- PR SEWER-LINE
- PR DRAINAGE SWALE
- PR FENCE
- PR GAS-LINE
- PR CONC AREA
- PR BLDG
- PR WORK AREA

SITE DATA

WORK AREAS:

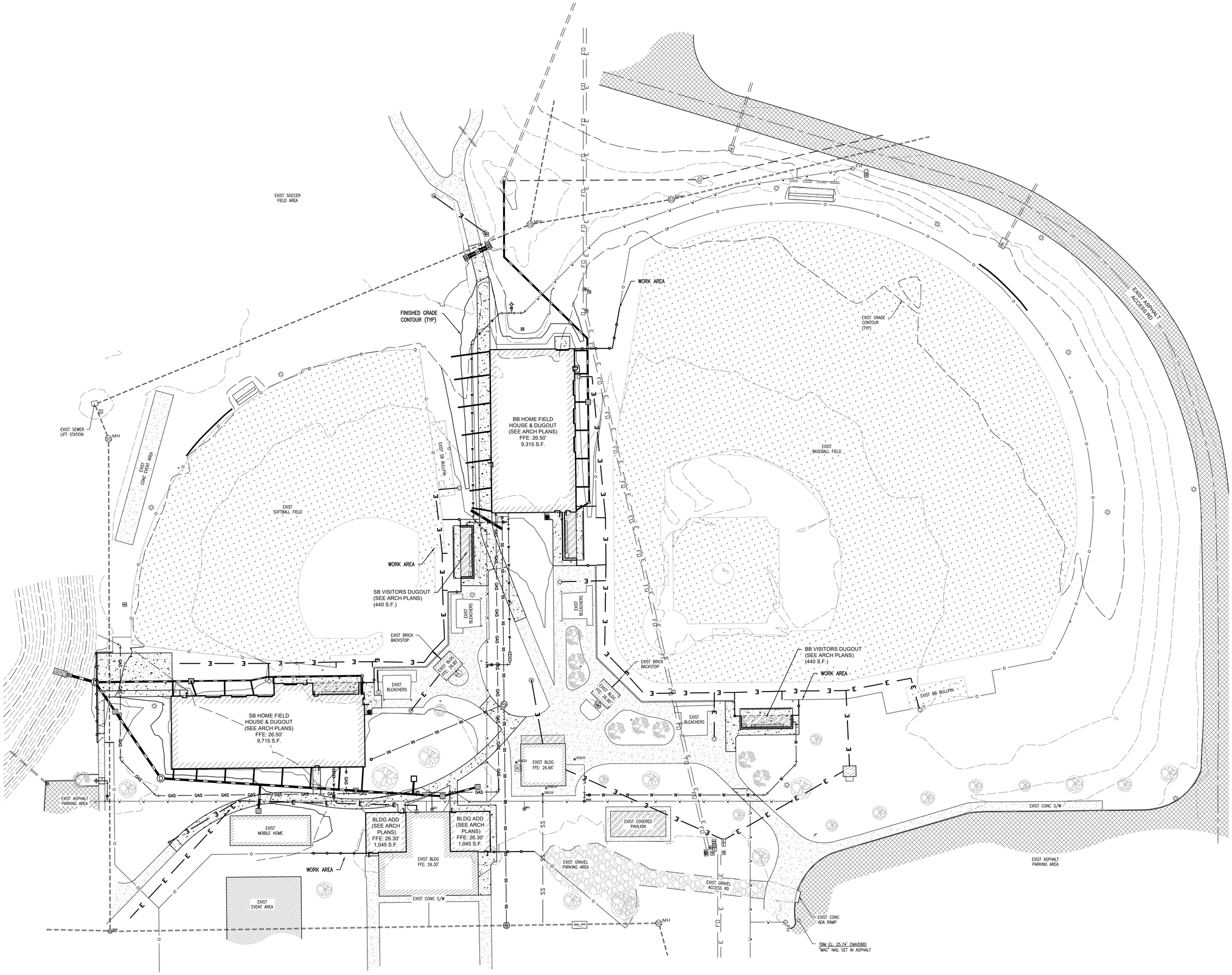
-IMPERVIOUS COVERAGE: 12,800 SF
-BUILDING OVERAGE: 22,000 SF
-LANDSCAPE/OPEN SPACE COVERAGE: 56,450 SF
-TOTAL WORK AREA: 91,250 SF

BUILDING HEIGHTS:

-18' EAVE, 24' PEAK

UTILITY PROVIDERS

POWER: BALDWIN EMC
WATER: GULF SHORES UTILITIES
SEWER: PRIVATE
GAS: RIVIERA UTILITIES



N

GRAPHIC SCALE

0 15 30 60

1 inch = 30 feet

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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED No. 31252 PROFESSIONAL ENGINEER James H. Roberts Jr.

SHEET TITLE:
PROJECT OVERVIEW

PROJ. MGR.:	JR
DRAWN:	BT/RC
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111
SHEET NO: C-1.1

0 1" 2"

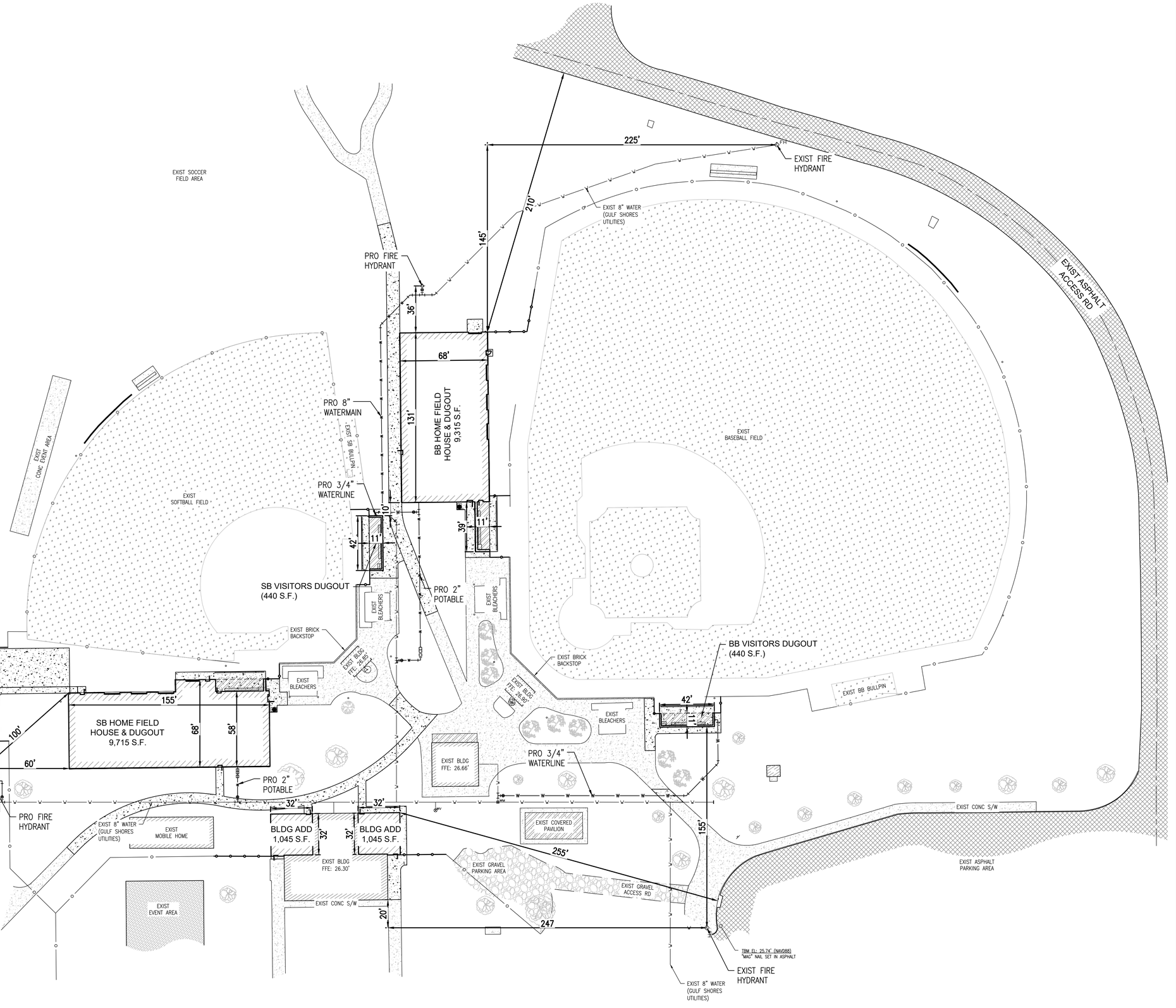
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- Friday, April 24, 2026 10:09:30 AM

LEGEND

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- EX WATER–LINE
- EX CHAIN–LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA
- PR WATER–LINE
- PR FENCE
- PR CONC AREA
- PR BLDG

UTILITY PROVIDERS

POWER: BALDWIN EMC
WATER: GULF SHORES UTILITIES
SEWER: PRIVATE
GAS: RIVIERA UTILITIES



N

GRAPHIC SCALE
0 15 30 60
1 inch = 30 feet

Sawgrass
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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED No. 31242 PROFESSIONAL ENGINEER James F. Robertson II

SHEET TITLE:
FIRE PROTECTION OVERVIEW

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-1.2

0 1" 2"

S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB OV-GEO-UTIL.dwg
- Friday, April 24, 2026 10:09:34 AM

LEGEND

- R/W–PROP LINE
- EX WATER–LINE
- EX WATER VALVE
- EX FIRE HYDRANT
- EX WATER METER
- EX SEWER–LINE
- EX SEWER MH
- EX SEWER CO
- EX FIBER–LINE
- EX TELEPHONE PEDESTAL
- EX CATV
- EX UG POWER–LINE
- EX POWER SECONDARY
- EX ELEC BOX
- EX TRANSFORMER
- EX AC UNIT
- EX LIGHT POLE
- EX GUY WIRE
- EX GAS–LINE
- EX DRAINAGE PIPE
- EX DRAINAGE MH
- EX GRATE INLET
- EX HAND–HOLE
- EX CHAIN–LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA

GRAPHIC SCALE

0 15 30 60

1 inch = 30 feet

N

EXIST SOCCER FIELD AREA
EXIST SOFTBALL FIELD
EXIST BASEBALL FIELD
EXIST FOOTBALL/EVENT TRACK AREA
EXIST EVENT AREA
EXIST CONC FENCE AREA
EXIST MOBILE HOME
EXIST ASPHALT PARKING AREA
EXIST GRAVEL PARKING AREA
EXIST GRAVEL ACCESS RD
EXIST ASPHALT ACCESS RD
EXIST COVERED PAVILION
EXIST WELL PUMP HOUSE FOR IRRIGATION
EXIST GRADE CONTOUR (TYP)
EXIST CHAINLINK FENCE
EXIST CONC ADA RAMP
EXIST CONC S/W
EXIST CONC STADIUM LP
EXIST SCOREBOARD
EXIST BILLBOARD
EXIST SAFETY NET–POLE
EXIST BB BATTING CAGE
EXIST SB BATTING CAGE
EXIST BB BULLPIN
EXIST SB BULLPIN
EXIST DUGOUT
EXIST BLEACHERS
EXIST BRICK BACKSTOP W/2" DRAINAGE ORIFICES (PLACED EVERY 10' AT THE BOTTOM OF BACKSTOP)
EXIST STAIRS & RAISED CONC AREA
EXIST AWNING
EXIST CREPE MYRTLE
EXIST LIVE OAK
EXIST PEAR
EXIST BLDG FFE: 26.66'
EXIST BLDG FFE: 26.30'
EXIST BLDG FFE: 26.80'
EXIST SEWER LIFT STATION TOP: 25.50' INV: LOCKED
EXIST SEWER MH TOP: 23.35' INV: 10.00'
EXIST SEWER MH TOP: 22.66' INV E: 16.23' INV N/W: 10.61'
EXIST SEWER MH TOP: 25.31' INV E: 18.81' INV W: 16.61'
EXIST SEWER MH TOP: 25.76' INV W/E: 18.43' INV N: 18.13'
EXIST SEWER MH TOP: 25.76' INV S: 20.76' INV W: 19.76'
EXIST GRATE INLET TOP: 22.73' INV E: 20.93' INV W: 19.51'
EXIST GRATE INLET TOP: 21.70' INV E: 18.96' INV N: 17.88'
EXIST 1" DOME GRATE INLET TOP:23.42' INV.:19.74'
EXIST 6" PVC SEWER
EXIST 8" PVC SEWER
EXIST 15" RCP
EXIST 18" RCP
EXIST 12" HDPE
EXIST 15" HDPE
EXIST 8" WATER (GULF SHORES UTILITIES)
EXIST 2" GASLINE (RIVIERA)
EXIST 1" DRAIN–LINE (NOT IN USE)
EXIST POWER /TEL "HUB"
EXIST POWER SECONDARY LINE (SPORTSPLEX)
EXIST POWER MAIN CONDUIT (BALDWIN EMC)
EXIST TELECOM LINE (MEDIACOM)
INV OUTSIDE OF WORK AREA
TBM EL: 25.74' (NAVD88) "MAG" NAIL SET IN ASPHALT

Sawgrass
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30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31242 Robertson, II

SHEET TITLE:
EXIST CONDITIONS PLAN

PROJ. MGR.:	JR
DRAWN:	BT/RC
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: C-2.0

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB EX COND-DEMO.dwg
- Friday, April 24, 2026 10:09:42 AM

LEGEND

- R/W–PROP LINE
- EX WATER–LINE
- EX WATER VALVE
- EX FIRE HYDRANT
- EX WATER METER
- EX SEWER–LINE
- EX SEWER MH
- EX SEWER CO
- EX FIBER–LINE
- EX TELEPHONE PEDESTAL
- EX CATV
- EX UG POWER–LINE
- EX POWER SECONDARY
- EX ELEC BOX
- EX TRANSFORMER
- EX AC UNIT
- EX LIGHT POLE
- EX GUY WIRE
- EX GAS–LINE
- EX DRAINAGE PIPE
- EX DRAINAGE MH
- EX GRATE INLET
- EX HAND–HOLE
- EX CHAIN–LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA
- DEMO AREA
- DEMO ITEM

N

GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

EXIST SOCCER FIELD AREA

EXIST ASPHALT ACCESS RD

EXIST CONC STADIUM LP

EXIST POWER SECONDARY LINE (SPORTSPLEX)

EXIST CONC S/W

REQ'D: REMOVAL OF 12" HDPE PIPE (15 LF)

EXIST GRAVITY SEWER (GULF SHORES SPORTSPLEX)

EXIST WATER (GULF SHORES UTILITIES)

EXIST CHAINLINK FENCE

EXIST SCOREBOARD

EXIST GRADE CONTOUR (TYP)

REQ'D: REMOVAL OF EXIST POWER SECONDARY LINES (DEMO LIMITS AS DIRECTED BY THE SITE ENGINEER, COORDINATE W/SPORTSPLEX & BALDWIN EMC) (TYP)

REQ'D: REMOVAL OF EXIST METAL LP (1 EA) & ELEC BOX (1 EA)

REQ'D: REMOVAL OF EXIST BB BULLPIN AREA (190 SY) & CHAINLINK FENCE (125 LF)

REQ'D: REMOVAL OF EXIST 8" WATERLINE FOR RELOCATION (COORDINATE W/GULF SHORES UTILITIES & SPORTSPLEX) (200 LF)

EXIST BILLBOARD

EXIST CHAINLINK FENCE

EXIST SAFETY NET–POLE

EXIST CONC PADS AREA

EXIST SB BULLPN

REQ'D: REMOVAL OF EXIST BB BATTING CAGE AREA (325 SY) & CHAINLINK FENCE "CAGE" (250 LF)

REQ'D: REMOVAL OF EXIST CONC AREA (320 SY)

REQ'D: REMOVAL OF EXIST CONC AREA (60 SY)

REQ'D: REMOVAL OF EXIST CONC AREA (50 SY)

REQ'D: REMOVAL OF EXIST BB DUGOUT (75 SY)

REQ'D: REMOVAL OF EXIST METAL LP (1 EA)

REQ'D: ABANDON IN PLACE EXIST SEWER CO (1 EA)

REQ'D: REMOVAL OF EXIST TREE 1 EA–CREPE MYRTLE

REQ'D: ABANDON IN PLACE EXIST SEWER CO (1 EA)

REQ'D: REMOVAL OF EXIST SB DUGOUT (75 SY)

EXIST SOFTBALL FIELD

EXIST BLEACHERS

REQ'D: ABANDON IN–PLACE EXIST 1" SEWER DRAIN –LINE

EXIST POWER SECONDARY LINE (SPORTSPLEX)

EXIST BRICK BACKSTOP W/2" DRAINAGE ORIFICES (PLACED EVERY 10' AT THE BOTTOM OF BACKSTOP)

EXIST BLDG FFE 26.80'

EXIST STAIRS & RAISED CONC AREA

EXIST POWER MAIN CONDUIT (BALDWIN EMC)

EXIST TELECOM LINE (MEDIACOM)

EXIST BASEBALL FIELD

MATCHLINE: SEE C-2.2

LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

ALABAMA LICENSED 31242 PROFESSIONAL ENGINEER JAMES H. ROBERTSON

SHEET TITLE:

DEMOLITION PLAN 1

PROJ. MGR.:	JR
DRAWN:	BT/RC
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: C-2.1

0 1" 2"

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB EX COND-DEMO.dwg
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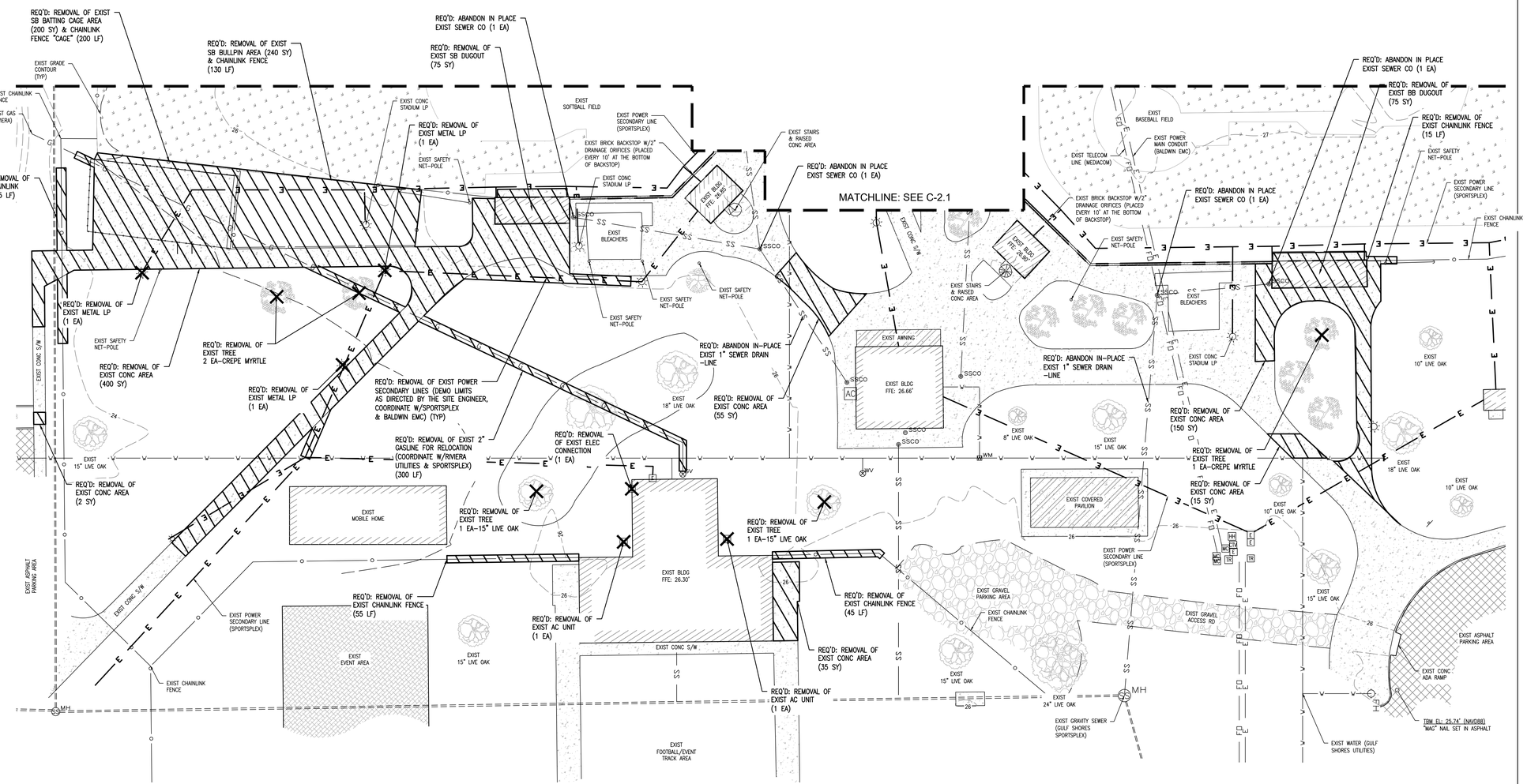
LEGEND

- R/W–PROP LINE
- EX WATER–LINE
- EX WATER VALVE
- EX FIRE HYDRANT
- EX WATER METER
- EX SEWER–LINE
- EX SEWER MH
- EX SEWER CO
- EX FIBER–LINE
- EX TELEPHONE PEDESTAL
- EX CATV
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- EX POWER SECONDARY
- EX ELEC BOX
- EX TRANSFORMER
- EX AC UNIT
- EX LIGHT POLE
- EX GUY WIRE
- EX GAS–LINE
- EX DRAINAGE PIPE
- EX DRAINAGE MH
- EX GRATE INLET
- EX HAND–HOLE
- EX CHAIN–LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA
- DEMO AREA
- DEMO ITEM

GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet



Sawgrass
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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED No. 31242 PROFESSIONAL ENGINEER James H. Roberts

SHEET TITLE:

DEMOLITION PLAN 2

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-2.2

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB EX COND-DEMO.dwg
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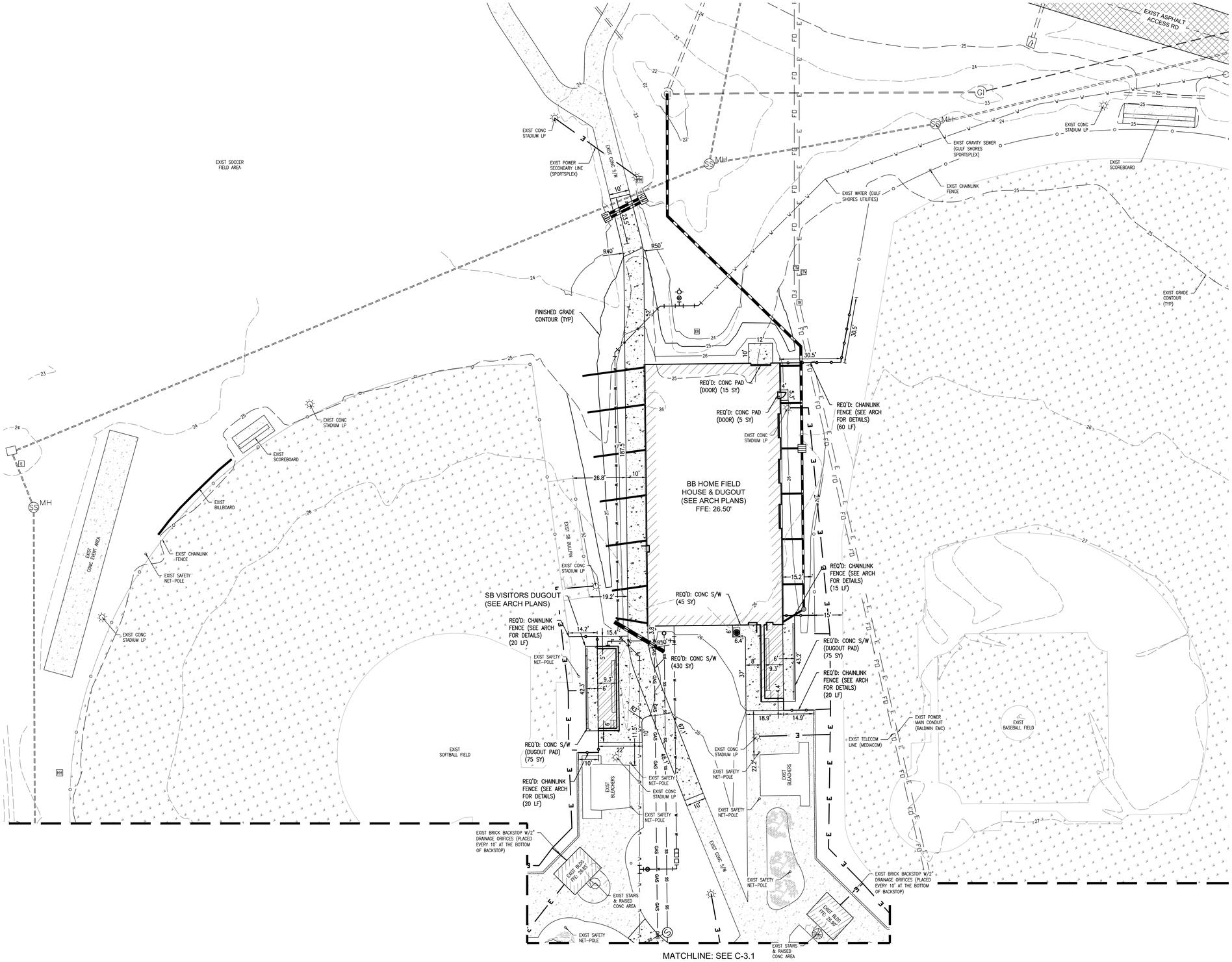
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- EX WATER–LINE
- EX WATER VALVE
- EX FIRE HYDRANT
- EX WATER METER
- EX SEWER–LINE
- EX SEWER MH
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- EX GAS–LINE
- EX DRAINAGE PIPE
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- EX GRATE INLET
- EX HAND–HOLE
- EX CHAIN–LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA
- PR WATER–LINE
- PR SEWER–LINE
- PR SEWER MH
- PR SEWER CO
- PR DRAINAGE SWALE
- PR FENCE
- PR GAS–LINE
- PR CONC AREA
- PR BLDG

N

GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet



MATCHLINE: SEE C-3.1

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

LICENSED ALABAMA 31242 PROFESSIONAL ENGINEER James H. Robertson

SHEET TITLE:

GEOMETRIC PLAN 1

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

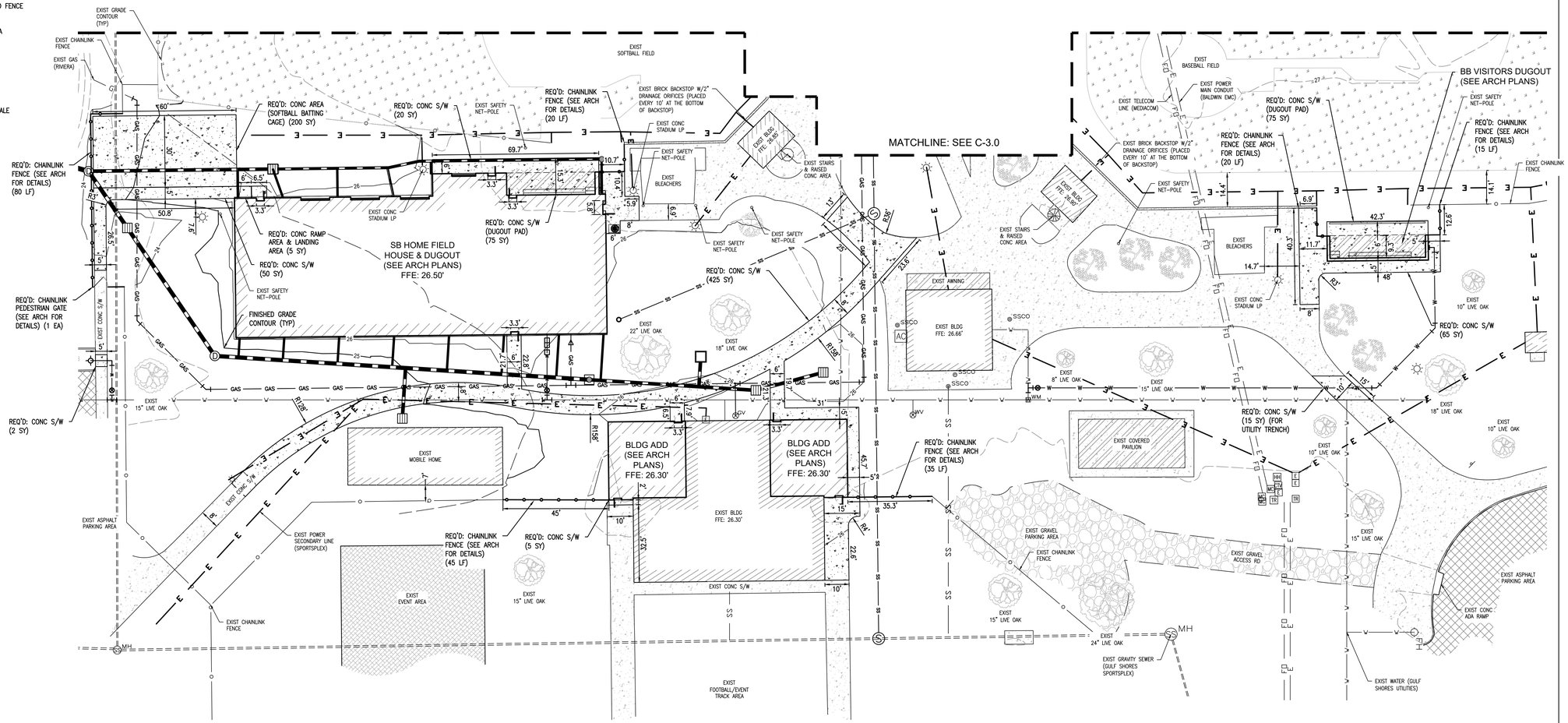
JOB NO. 25-111
SHEET NO: C-3.0

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB OV-GEO-UTIL.dwg
- Friday, April 24, 2026 10:10:04 AM

LEGEND

- R/W–PROP LINE
- EX WATER–LINE
- EX WATER VALVE
- EX FIRE HYDRANT
- EX WATER METER
- EX SEWER–LINE
- EX SEWER MH
- EX SEWER CO
- EX FIBER–LINE
- EX TELEPHONE PEDESTAL
- EX CATV
- EX UG POWER–LINE
- EX POWER SECONDARY
- EX ELEC BOX
- EX TRANSFORMER
- EX AC UNIT
- EX LIGHT POLE
- EX GUY WIRE
- EX GAS–LINE
- EX DRAINAGE PIPE
- EX DRAINAGE MH
- EX GRATE INLET
- EX HAND–HOLE
- EX CHAIN–LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA
- PR WATER–LINE
- PR SEWER–LINE
- PR SEWER MH
- PR SEWER CO
- PR DRAINAGE SWALE
- PR FENCE
- PR GAS–LINE
- PR CONC AREA
- PR BLDG



GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

Sawgrass
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LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31242 James H. Roberson

SHEET TITLE:

GEOMETRIC PLAN 2

PROJ. MGR.:	JR
DRAWN:	BT/RC
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: C-3.1

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB OV-GEO-UTIL.dwg
- Friday, April 24, 2026 10:10:09 AM

LEGEND

- R/W–PROP LINE
- EX WATER–LINE
- EX WATER VALVE
- EX FIRE HYDRANT
- EX WATER METER
- EX SEWER–LINE
- EX SEWER MH
- EX SEWER CO
- EX FIBER–LINE
- EX TELEPHONE PEDESTAL
- EX CATV
- EX UG POWER–LINE
- EX POWER SECONDARY
- EX ELEC BOX
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- EX LIGHT POLE
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- EX DRAINAGE PIPE
- EX DRAINAGE MH
- EX GRATE INLET
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- PR WATER–LINE
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- PR SEWER MH
- PR SEWER CO
- PR DRAINAGE SWALE
- PR FENCE
- PR GAS–LINE
- PR CONC AREA
- PR BLDG

GRAPHIC SCALE

0 10 20 40

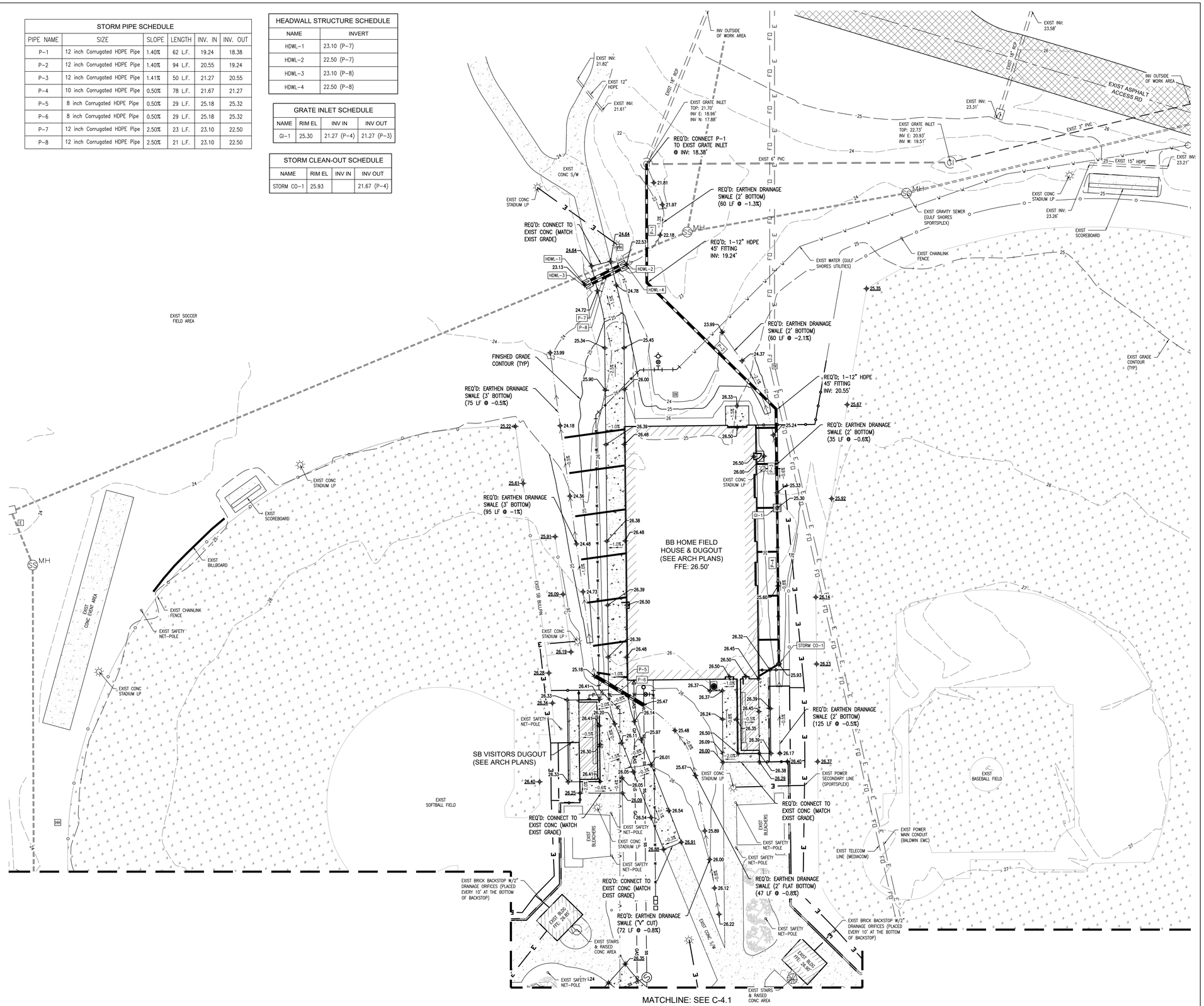
1 inch = 20 feet

STORM PIPE SCHEDULE					
PIPE NAME	SIZE	SLOPE	LENGTH	INV. IN	INV. OUT
P–1	12 inch Corrugated HDPE Pipe	1.40%	62 L.F.	19.24	18.38
P–2	12 inch Corrugated HDPE Pipe	1.40%	94 L.F.	20.55	19.24
P–3	12 inch Corrugated HDPE Pipe	1.41%	50 L.F.	21.27	20.55
P–4	10 inch Corrugated HDPE Pipe	0.50%	78 L.F.	21.67	21.27
P–5	8 inch Corrugated HDPE Pipe	0.50%	29 L.F.	25.18	25.32
P–6	8 inch Corrugated HDPE Pipe	0.50%	29 L.F.	25.18	25.32
P–7	12 inch Corrugated HDPE Pipe	2.50%	23 L.F.	23.10	22.50
P–8	12 inch Corrugated HDPE Pipe	2.50%	21 L.F.	23.10	22.50

HEADWALL STRUCTURE SCHEDULE	
NAME	INVERT
HDWL–1	23.10 (P–7)
HDWL–2	22.50 (P–7)
HDWL–3	23.10 (P–8)
HDWL–4	22.50 (P–8)

GRATE INLET SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
GI–1	25.30	21.27 (P–4)	21.27 (P–3)

STORM CLEAN–OUT SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
STORM CO–1	25.93		21.67 (P–4)



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GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31242 James H. Robertson

SHEET TITLE: GRADING & DRAINAGE PLAN 1

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-4.0

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Latham-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB GRAD-DRAIN-EC.dwg
- Friday, April 24, 2026 10:10:20 AM

PIPE SCHEDULE					
PIPE NAME	SIZE	SLOPE	LENGTH	INV. IN	INV. OUT
P-9	18 inch Corrugated HDPE Pipe	4.58%	20 L.F.	17.56	16.50
P-10	12 inch Corrugated HDPE Pipe	2.00%	74 L.F.	19.85	18.31
P-11	10 inch Corrugated HDPE Pipe	2.00%	47 L.F.	21.21	20.24
P-12	10 inch Corrugated HDPE Pipe	2.00%	14 L.F.	21.47	21.21
P-13	10 inch Corrugated HDPE Pipe	2.00%	75 L.F.	23.00	21.47
P-14	15 inch Corrugated HDPE Pipe	1.00%	24 L.F.	18.35	18.06
P-15	15 inch Corrugated HDPE Pipe	1.00%	62 L.F.	19.00	18.35
P-16	15 inch Corrugated HDPE Pipe	1.00%	80 L.F.	19.80	19.00
P-17	12 inch Corrugated HDPE Pipe	0.95%	20 L.F.	20.00	19.80
P-18	15 inch Corrugated HDPE Pipe	1.00%	76 L.F.	20.57	19.80
P-19	12 inch Corrugated HDPE Pipe	1.00%	44 L.F.	21.28	20.82
P-20	12 inch Corrugated HDPE Pipe	1.00%	11 L.F.	21.41	21.28
P-21	12 inch Corrugated HDPE Pipe	1.00%	22 L.F.	21.52	21.28
P-22	12 inch Corrugated HDPE Pipe	1.00%	26 L.F.	21.81	21.52

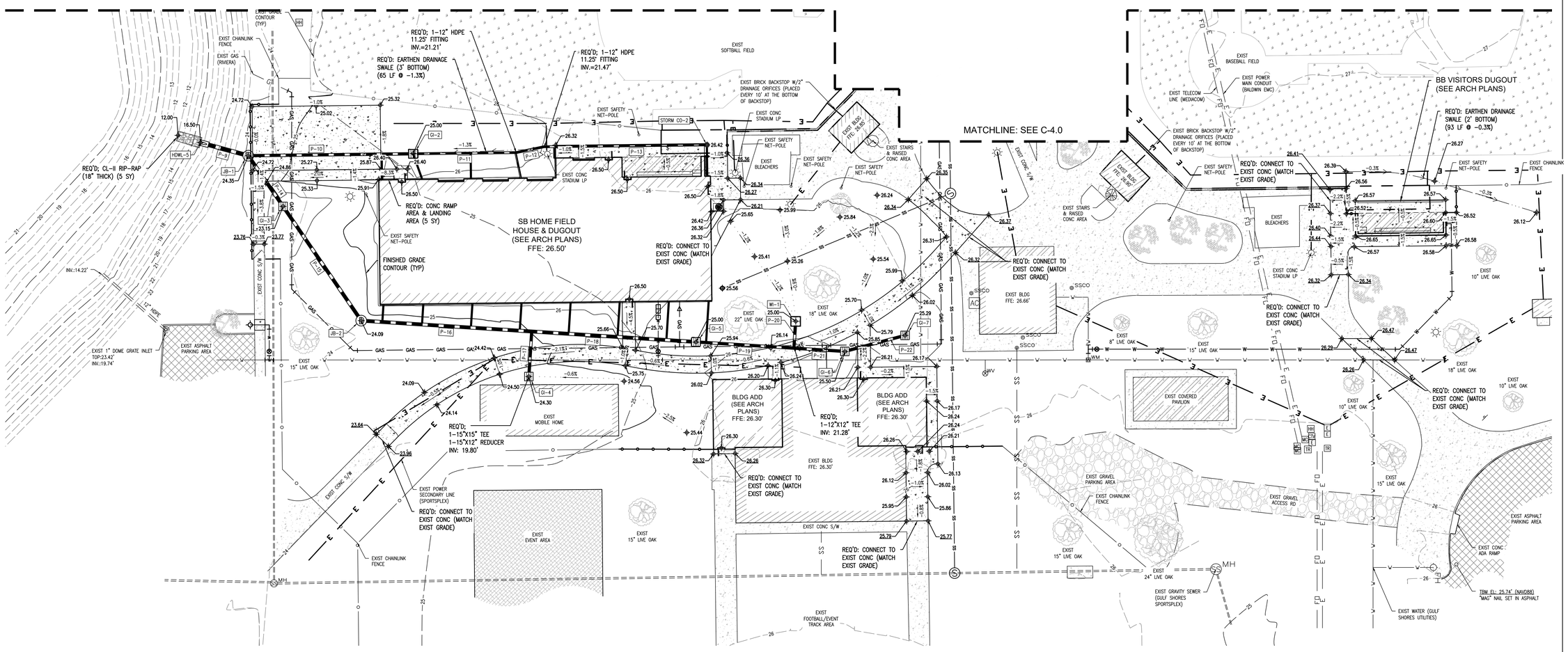
WEIR INLET SCHEDULE				
NAME	RIM EL	THROAT EL	INV IN	INV OUT
WI-1 48 x 48 inch Rectangular Structure	26.00	25.00		21.41 (P-20)

HEADWALL STRUCTURE SCHEDULE	
NAME	INVERT
HDWL-5	16.50 (P-9)

STORM CLEAN-OUT SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
STORM CO-2	26.42		23.00 (P-13)

JUNCTION BOX SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
JB-1	23.48	18.06 (P-14) 18.31 (P-10)	17.56 (P-9)
JB-2	24.09	19.00 (P-16)	19.00 (P-15)

GRATE INLET SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
GI-2	25.00	20.24 (P-11)	19.85 (P-10)
GI-3	23.15	18.35 (P-15)	18.35 (P-14)
GI-4	24.30		20.00 (P-17)
GI-5	25.00	20.82 (P-19)	20.57 (P-18)
GI-6	25.50	21.52 (P-22)	21.52 (P-21)
GI-7	25.29		21.81 (P-22)



LEGEND

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GRAPHIC SCALE
0 10 20 40
1 inch = 20 feet

Sawgrass
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LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED No. 31242 PROFESSIONAL ENGINEER Robert H. Roberson II

SHEET TITLE:
GRADING & DRAINAGE PLAN 2

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-4.1

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB GRAD-DRAIN-EC.dwg
- Friday, April 24, 2026 10:10:27 AM

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- PR CONC AREA
- PR BLDG

N

GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

EXIST SOCCER FIELD AREA

EXIST GRAVITY SEWER (GULF SHORES SPORTSPLEX)

EXIST CONC ENTRY AREA

EXIST SCOREBOARD

EXIST BILLBOARD

EXIST CHAINLINK FENCE

EXIST SAFETY NET–POLE

EXIST CONC STADIUM LP

EXIST GRADE CONTOUR (TYP)

EXIST CHAINLINK FENCE

EXIST GAS (RIVIERA)

EXIST ASPHALT PARKING AREA

EXIST 15" LIVE OAK

FINISHED GRADE CONTOUR (TYP)

EXIST CONC S/W

EXIST CHAINLINK FENCE

EXIST EVENT AREA

EXIST 15" LIVE OAK

EXIST SOFTBALL FIELD

EXIST BASEBALL FIELD

EXIST CHAINLINK FENCE

EXIST GRADE CONTOUR (TYP)

EXIST POWER SECONDARY LINE (SPORTSPLEX)

EXIST POWER MAIN CONDUIT (BALDWIN EMC)

EXIST TELECOM LINE (MEDIACOM)

EXIST GRAVEL PARKING AREA

EXIST CHAINLINK FENCE

EXIST GRAVEL ACCESS RD

EXIST WATER (GULF SHORES UTILITIES)

EXIST 15" LIVE OAK

EXIST 24" LIVE OAK

EXIST 10" LIVE OAK

EXIST 8" LIVE OAK

EXIST 15" LIVE OAK

EXIST 22" LIVE OAK

EXIST 18" LIVE OAK

EXIST 3" TREE

EXIST MOBILE HOME

EXIST COVERED PAVILION

EXIST BLEACHERS

EXIST BLDG FFE: 26.66'

EXIST BLDG FFE: 26.30'

EXIST BLDG FFE: 26.30'

EXIST BLDG FFE: 26.30'

EXIST STAIRS & RAISED CONC AREA

EXIST STAIRS & RAISED CONC AREA

EXIST CONC S/W

EXIST CONC S/W

EXIST CONC S/W

EXIST FOOTBALL/EVENT TRACK AREA

EXIST BRICK BACKSTOP W/2" DRAINAGE ORIFICES (PLACED EVERY 10' AT THE BOTTOM OF BACKSTOP)

EXIST BRICK BACKSTOP W/2" DRAINAGE ORIFICES (PLACED EVERY 10' AT THE BOTTOM OF BACKSTOP)

BB HOME FIELD HOUSE & DUGOUT (SEE ARCH PLANS) FFE: 26.50'

SB VISITORS DUGOUT (SEE ARCH PLANS)

SB HOME FIELD HOUSE & DUGOUT (SEE ARCH PLANS) FFE: 26.50'

BB VISITORS DUGOUT (SEE ARCH PLANS)

BLDG ADD (SEE ARCH PLANS) FFE: 26.30'

BLDG ADD (SEE ARCH PLANS) FFE: 26.30'

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO SWALE (30 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO SWALE (28 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO SWALE (25 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO SWALE (22 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO SWALE (20 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO SWALE (18 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO SWALE (15 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO PIPE (10 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO INLET (10 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO CLEAN–OUT (10 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT TO SURFACE FLOW W/SPLASH PAD

REQ'D: 6" DOWNSPOUT TO SURFACE FLOW W/SPLASH PAD

REQ'D: 6"X6" PVC TEE (1 EA)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO PIPE (5 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO PIPE (8 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO PIPE (12 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO PIPE (15 LF @ 1.0% MIN)

REQ'D: 6" DOWNSPOUT PVC CONNECTION TO PIPE (18 LF @ 1.0% MIN)

Sawgrass

ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT

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- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB GRAD-DRAIN-EC.dwg
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LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31242 Robert H. Roberson, II

SHEET TITLE:

DOWNSPOUT PLAN

PROJ. MGR.:	JR
DRAWN:	BT/RC
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: C-4.2

0 1" 2"

LEGEND

- R/W–PROP LINE
- EX WATER–LINE
- EX WATER VALVE
- EX FIRE HYDRANT
- EX WATER METER
- EX SEWER–LINE
- EX SEWER MH
- EX SEWER CO
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- PR FENCE
- PR GAS–LINE
- PR CONC AREA
- PR BLDG

GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

SEWER MANHOLE SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
SSMH 1	26.41	20.49 (SSL 2) 20.49 (SSL 1)	20.39 (SSM 1)

SEWER LATERAL SCHEDULE					
PIPE NAME	SIZE	SLOPE	LENGTH	INV. IN	INV. OUT
SSL 2	6.0 inch PVC Pipe	1.00%	149 L.F.	21.99	20.49

SEWER CLEAN-OUT SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
SSCO 2	25.95		21.99 (SSL 2)

EXIST SOCCER FIELD AREA

EXIST 6" PVC SEWER

EXIST SEWER LIFT STATION TOP: 25.50' INV: LOCKED

EXIST SEWER MH TOP: 23.35' INV: 10.00'

EXIST CONC STADIUM LP

EXIST SCOREBOARD

EXIST BILLBOARD

EXIST CHAINLINK FENCE

EXIST SAFETY NET–POLE

EXIST CONC FOOT AREA

EXIST 6" PVC SEWER

EXIST SOFTBALL FIELD

EXIST BRICK BACKSTOP W/2" DRAINAGE ORIFICES (PLACED EVERY 10' AT THE BOTTOM OF BACKSTOP)

EXIST STAIRS & RAISED CONC AREA

EXIST BLEACHERS

EXIST 8" WATER (GULF SHORES UTILITIES)

EXIST BLDG FFE: 26.80'

EXIST CONC STM

EXIST POWER SECONDARY LINE (SPORTSPLEX)

EXIST SEWER MH TOP: 22.66' INV E: 16.23' INV N/W: 10.61'

EX–INLET

EXIST 6" PVC SEWER

EXIST ASPHALT ACCESS RD

EXIST SEWER MH TOP: 25.31' INV E: 18.81' INV W: 16.61'

EXIST CONC STADIUM LP

EXIST SCOREBOARD

EXIST CHAINLINK FENCE

EXIST 8" WATER (GULF SHORES UTILITIES)

EXIST POWER /TEL "HUB"

FINISHED GRADE CONTOUR (TYP)

EXIST GRADE CONTOUR (TYP)

REQ'D: 6" FIRE HYDRANT ASSEMBLY (1 EA) & 6" C900 PVC WATERLINE (5 LF (FH)

REQ'D: 6"X8" MJ TEE (1 EA) & 6" GATE VALVE (1 EA)

REQ'D: 8" 45° MJ BEND (1 EA) (WATER)

REQ'D: 8" 45° MJ BEND (2 EA) & RECONNECTION TO EXIST 8" WATERLINE (COORDINATE W/GSU FOR CONNECTION)

REQ'D: 8" C900 PVC WATERLINE (200 LF (MAIN)

BB HOME FIELD HOUSE & DUGOUT (SEE ARCH PLANS) FFE: 26.50'

REQ'D: 3/4" CL 200 PVC WATERLINE (35 LF)

REQ'D: GAS CONNECTION (SEE MEP) (BY OTHERS)

REQ'D: SEWER BLDG CONNECTION (SEE MEP)

REQ'D: 2" POTABLE WATER BLDG CONNECTION (SEE MEP)

REQ'D: 3/4" 90° MJ BEND (1 EA) & 3/4" WATER HOSEBIB CONNECTION (SEE MEP)

SB VISITORS DUGOUT (SEE ARCH PLANS)

REQ'D: RECONNECT OF EXIST POWER SECONDARY LINES (RECONNECT LIMITS AS DIRECTED BY THE SITE ENGINEER, COORDINATE W/SPORTSPLEX & BALDWIN EMC) (TYP)

REQ'D: 2"X3/4" MJ TEE (1 EA) & 3/4" GATE VALVE (1 EA)

REQ'D: 2" GASLINE (BY OTHERS)

REQ'D: 2" CL 200 PVC WATERLINE (140 LF (POTABLE)

REQ'D: 8" 45° MJ BEND (2 EA) & RECONNECTION TO EXIST 8" WATERLINE (COORDINATE W/GSU FOR CONNECTION)

REQ'D: 2" WATER METER (1 EA) & 2" BACKFLOW PREVENTOR (1 EA) (POTABLE)

REQ'D: 2" 90° MJ BEND (1 EA) (WATER)

REQ'D: CONNECTION TO EXIST 8" WATERLINE W/2"X8" MJ TEE (1 EA) & 2" GATE VALVE (1 EA) (COORDINATE W/GSU FOR CONNECTION)

REQ'D: CONFLICT CROSSING (TYP)

EXIST TELECOM LINE (MEDIACOM)

EXIST POWER MAIN CONDUIT (BALDWIN EMC)

EXIST BASEBALL FIELD

MATCHLINE: SEE C-5.1

LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

ALABAMA LICENSED No. 31242 PROFESSIONAL ENGINEER James H. Roberts, III

SHEET TITLE:

UTILITY PLAN 1

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-5.0

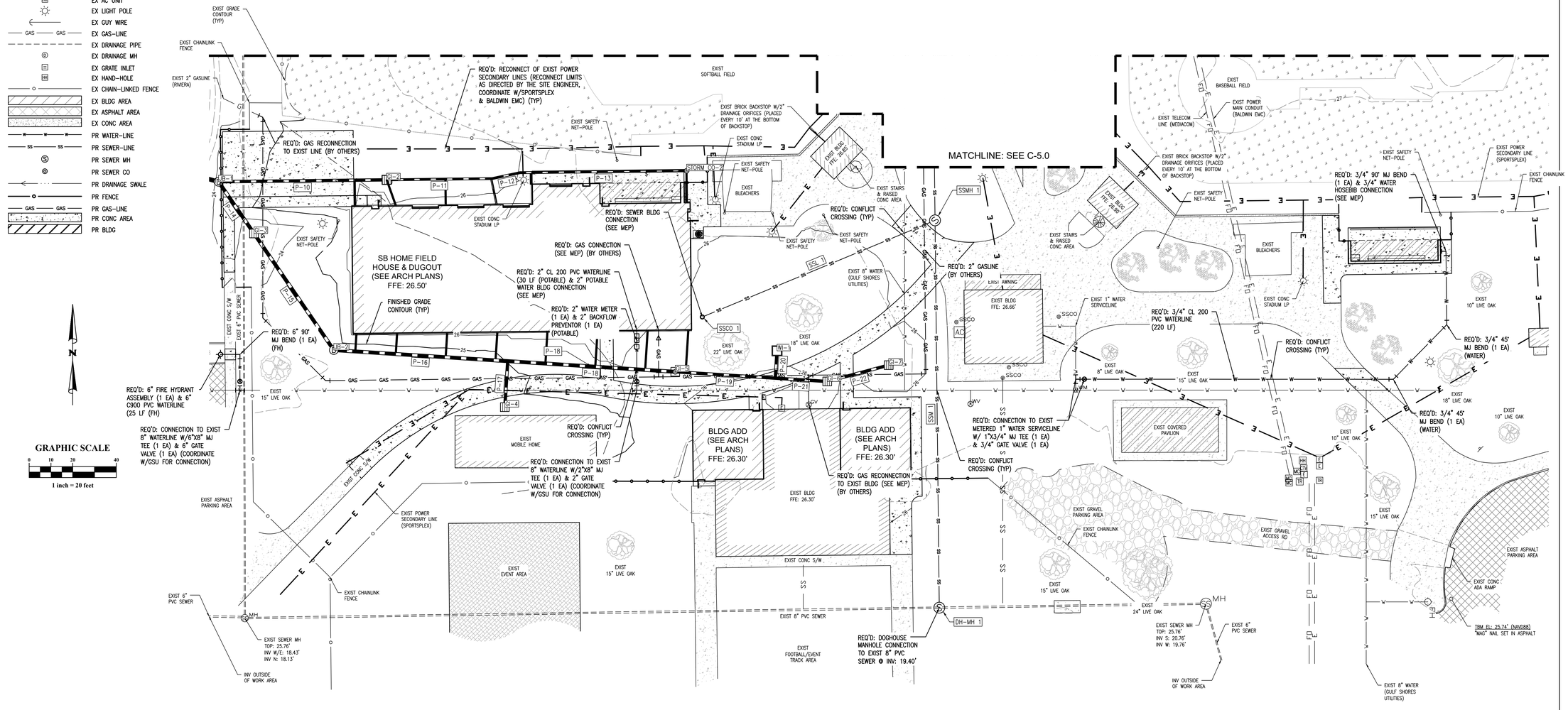
0 1" 2"

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- Friday, April 24, 2026 10:10:44 AM

LEGEND

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- EX UG POWER-LINE
- EX POWER SECONDARY
- EX ELEC BOX
- EX TRANSFORMER
- EX AC UNIT
- EX LIGHT POLE
- EX GUY WIRE
- EX GAS-LINE
- EX DRAINAGE PIPE
- EX DRAINAGE MH
- EX GRATE INLET
- EX HAND-HOLE
- EX CHAIN-LINKED FENCE
- EX BLDG AREA
- EX ASPHALT AREA
- EX CONC AREA
- PR WATER-LINE
- PR SEWER-LINE
- PR SEWER MH
- PR SEWER CO
- PR DRAINAGE SWALE
- PR FENCE
- PR GAS-LINE
- PR CONC AREA
- PR BLDG



GRAPHIC SCALE

0 10 20 40

1 inch = 20 feet

SEWER MAIN SCHEDULE					
PIPE NAME	SIZE	SLOPE	LENGTH	INV. IN	INV. OUT
SSM 1	8 inch PVC	0.50%	174 L.F.	20.39	19.50

SEWER MANHOLE SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
DH-MH 1	25.58	19.50 (SSM 1)	19.40'
SSMH 1	26.41	20.49 (SSL 2) 20.49 (SSL 1)	20.39 (SSM 1)

SEWER LATERAL SCHEDULE					
PIPE NAME	SIZE	SLOPE	LENGTH	INV. IN	INV. OUT
SSL 1	4 inch PVC	2.00%	112 L.F.	22.80	20.49

SEWER CLEAN-OUT SCHEDULE			
NAME	RIM EL	INV IN	INV OUT
SSCO 1	25.56		22.80 (SSL 1)

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER James H. Robertson

SHEET TITLE:

UTILITY PLAN 2

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-5.1

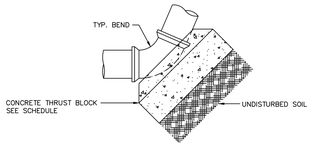
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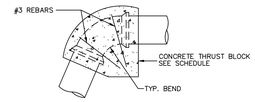
THRUST BLOCK BEARING AREAS (SQ.FT.)						VERTICAL ANCHOR BLOCK VOLUMES		
SIZE	PLUGGED END OR TEE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	45° VERT. BEND	22-1/2° VERT. BEND	GATE VALVE
2" DIA. PIPE LINE	1.0	1.0	1.0	1.0	1.0	9.3 CU. FT.	4 CU. FT.	0.5 CU. FT.
4" DIA. PIPE LINE	1.9	2.6	1.4	1.0	1.0	21.1 CU. FT.	9.8 CU. FT.	0.8 CU. FT.
6" DIA. PIPE LINE	3.6	5.0	2.7	1.4	1.0	50 CU. FT.	16 CU. FT.	1.0 CU. FT.
8" DIA. PIPE LINE	5.8	8.2	4.4	2.25	1.2			1.5 CU. FT.

NOTE: THRUST BLOCK BEARING AREAS SHALL BE INCREASED IN POOR TRENCH CONDITIONS AS DIRECTED BY THE ENGINEER

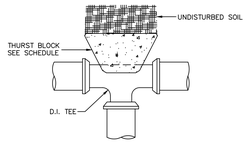
DESIGN CRITERIA: TEST PRESSURE – 150 PSI
SOIL BEARING PRESSURE – 1 TON PER SQ. FT.



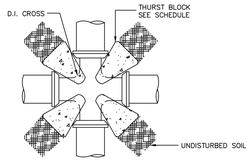
VERT. THRUST BLOCK DETAIL



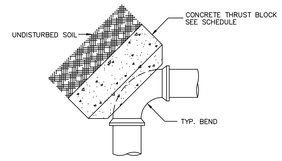
VERT. THRUST BLOCK DETAIL



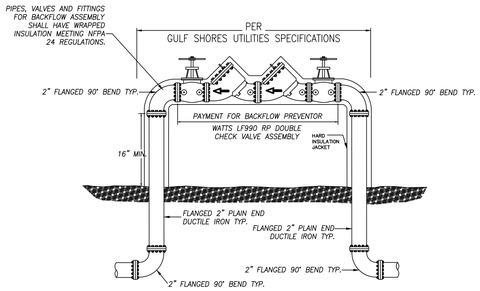
TEE THRUST BLOCK DETAIL



CROSS THRUST BLOCK DETAIL

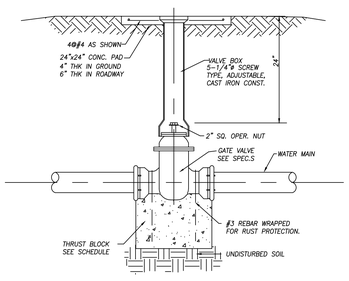


HORIZ. THRUST BLOCK DETAIL



2" DOMESTIC BACKFLOW PREVENTOR ASSEMBLY DETAIL

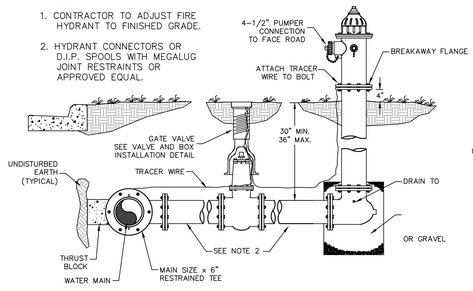
N.T.S.



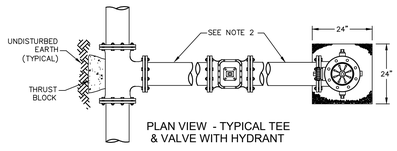
TYPICAL GATE VALVE DETAIL

NOTES:

1. CONTRACTOR TO ADJUST FIRE HYDRANT TO FINISHED GRADE.
2. HYDRANT CONNECTORS OR D.I.P. SPOOLS WITH MEGALUG JOINT RESTRAINTS OR APPROVED EQUAL.



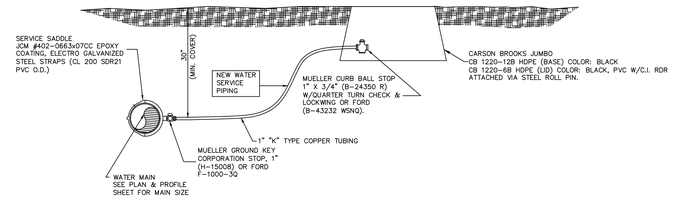
VALVE AND TEE CONNECTION



PLAN VIEW - TYPICAL TEE & VALVE WITH HYDRANT

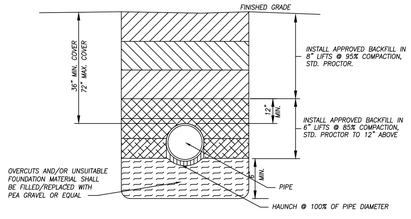
TYPICAL FIRE HYDRANT INSTALLATION

N.T.S.



NOTE: 1) DUCTILE IRON WATER LINES ARE TO BE DIRECT TAPPED AND EQUIPPED WITH 1" cc H-15008 MUELLER OR FORD F-1000-EQ CORPORATION STOP.
2) PRESEST WATER SERVICES TO BE SECURED VIA FIROMATIC #6 BARRELL LOCK COMPLETE WITH NYLON DUST CAP.
*SERVICE FITTINGS ARE C.T.S. CONDUCTIVE COMPRESSION AS INDICATED.
3) LOCATION OF EACH WATER SERVICE SHALL BE MARKED IN THE CONCRETE VALLEY GUTTER WITH THE LETTER "W".

TYPICAL NEW WATER AND IRRIGATION SERVICE CONNECTIONS

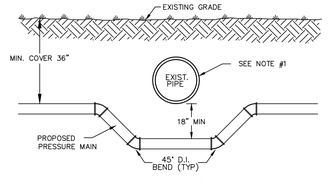


NOTES:
WATER:
1) SHALL HAVE A 12 AWG THHN SOLID WIRE, BLUE IN COLOR, BURIED 6" ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).

2) THE LOCATOR TAPE SHALL BE PLACED 2 FT ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).
SEWER:
1) SHALL HAVE A 14 AWG THHN SOLID WIRE, GREEN IN COLOR, BURIED 12" ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).
2) THE LOCATOR TAPE SHALL BE PLACED 2 FT ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).

TYPICAL WATER MAIN TRENCH DETAIL

NOTES:
1. IF EXISTING PIPE IS WATER OR SEWER MAIN, REFER TO ENCASEMENT DETAIL FOR ADDITIONAL SPECIFICATIONS.
2. ALL FITTINGS ARE TO BE RESTRAINED JOINT FITTINGS.
3. CONTRACTOR SHALL BE REQUIRED TO ADJUST UTILITIES (WATER MAINS, GAS MAINS, ETC.) AS NECESSARY TO AVOID CONFLICTS.



CONFLICT DETAIL

N.T.S.

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ▪ McKEE ARCHITECTS

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GULF SHORES SPORTSPLEX
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GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER Joseph H. Roberson, Jr. No. 31242

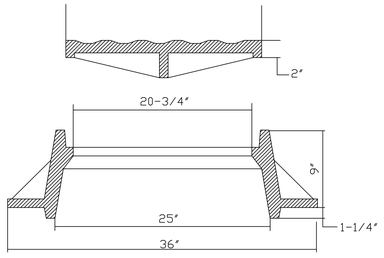
SHEET TITLE:
WATER DETAILS

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-5.2

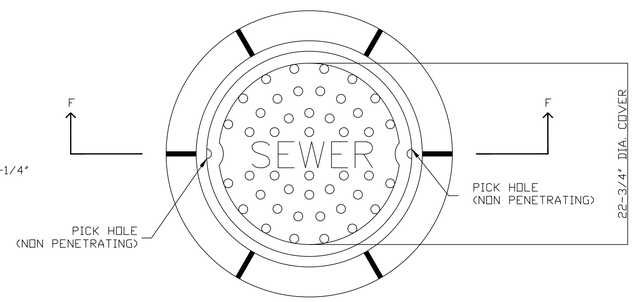
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SECTION F-F

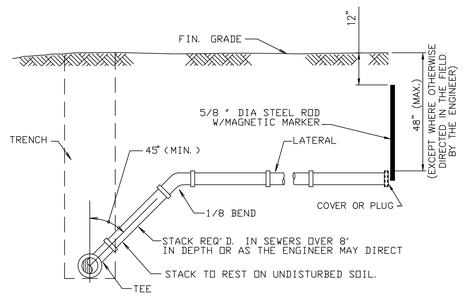
NOTE: THE PORTION OF THE FRAME AND COVER WHICH FORMS THE COVER SEAT SHALL BE MACHINED SO THAT NO ROCKING IS POSSIBLE.



PLAN

MIN WEIGHTS
FRAME - 250
COVER - 120
MATERIAL - CAST IRON

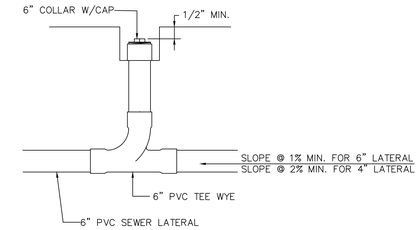
MANHOLE FRAME & COVER DETAIL



ELEVATION

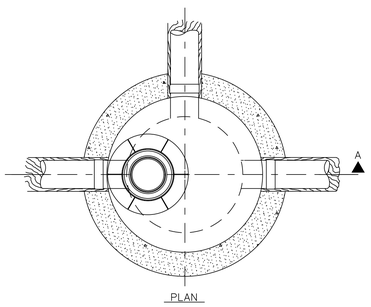
TYPICAL TEE & LATERAL INSTALLATION

N.T.S.

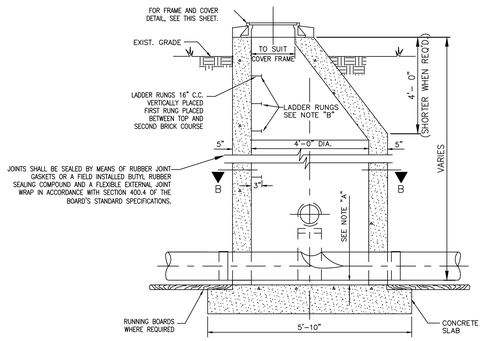


SEWER CLEAN-OUT

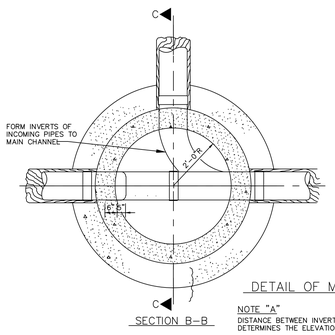
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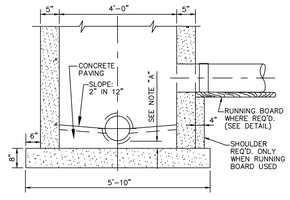
PLAN



SECTION A-A



SECTION B-B

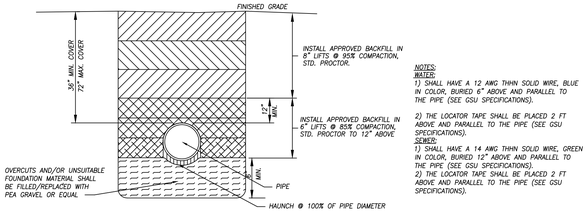


SECTION C-C

DETAIL OF MANHOLE FOR PIPE 24" DIA. & SMALLER

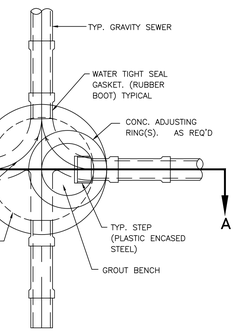
NOTE "A"
DISTANCE BETWEEN INVERT OF PIPE AND OUTSIDE OF BELL DETERMINES THE ELEVATION OF TOP OF 8" CONCRETE SLAB.

NOTE "B"
MANHOLE STEPS SHALL BE STEEL RODS ENCASED IN POLYPROPYLENE PLASTIC AND SHALL BE TYPE "PS-1-B" AS MANUFACTURED BY M.A. INDUSTRIES, INC., OR AN APPROVED EQUAL.

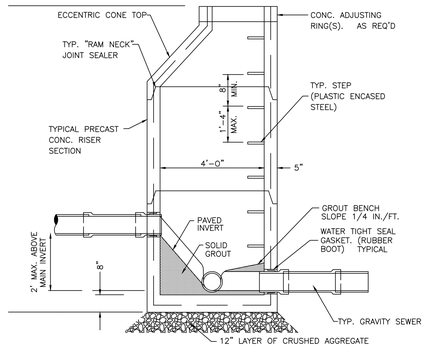


TYPICAL SANITARY SEWER FORCE MAIN TRENCH DETAIL

NOTES:
WATER:
1) SHALL HAVE A 12 AWG THHN SOLID WIRE, BLUE IN COLOR, BURIED 6" ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).
2) THE LOCATOR TAPE SHALL BE PLACED 2 FT ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).
SEWER:
1) SHALL HAVE A 14 AWG THHN SOLID WIRE, GREEN IN COLOR, BURIED 12" ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).
2) THE LOCATOR TAPE SHALL BE PLACED 2 FT ABOVE AND PARALLEL TO THE PIPE (SEE GSU SPECIFICATIONS).

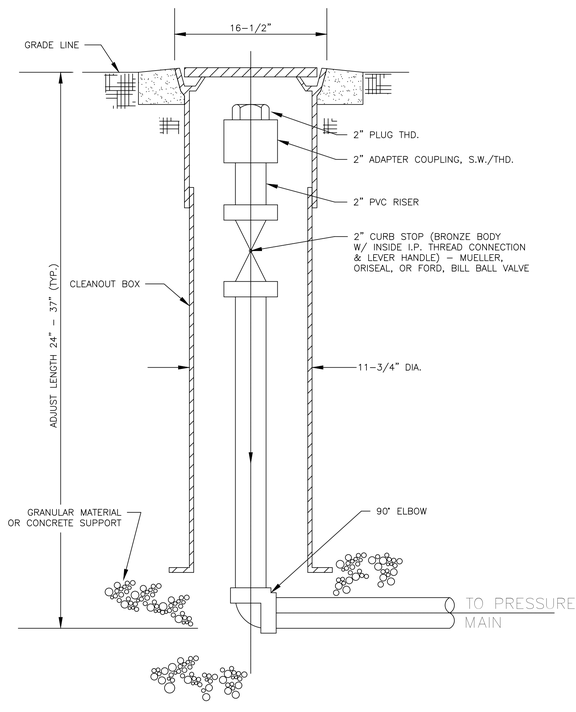


PLAN VIEW



TYPICAL PRECAST CONCRETE MANHOLE

SECTION A-A



TYPICAL END OF LINE CLEANOUT ASSEMBLY DETAIL

N.T.S.

CLEANOUT BOX NOTES

1. CLEANOUT BOX SHALL BE CAST IRON, 12" ROUND SHAFT SCREW TYPE, ADJUSTABLE TWO PIECE CONSTRUCTION WITH 22" BOTTOM FLANGE AND COVER LETTERED "SEWER".
2. CLEANOUT BOX MAY BE ADJUSTABLE ALONG ℄ OF PIPE TO PROVIDE MAXIMUM ACCESSIBILITY TO THE CLEANOUT VALVE OPERATOR.
3. CONCRETE COLLAR TO BE INCLUDED IN UNIT PRICE BID FOR CLEANOUT ASSEMBLY, JUNCTION ASSEMBLY, OR GATE VALVES.

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ▪ McKEE ARCHITECTS

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AT THE
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GULF SHORES, ALABAMA

ALABAMA LICENSED No. 31242 PROFESSIONAL ENGINEER James F. Robertson II

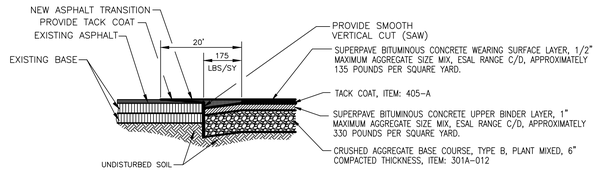
SHEET TITLE:
SEWER DETAILS

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

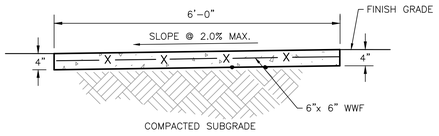
JOB NO. 25-111
SHEET NO:
C-5.3

0 1" 2"

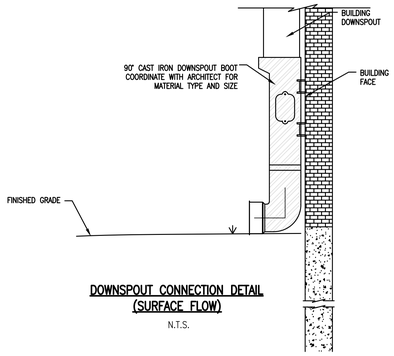
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- Friday, April 24, 2026 10:11:02 AM



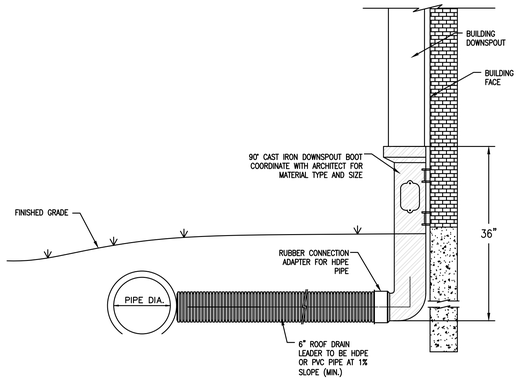
BUTT JOINT DETAIL
N.T.S.



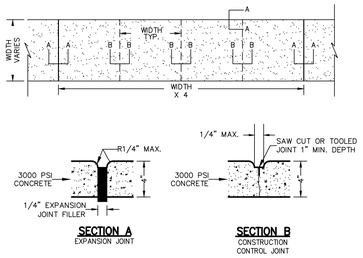
FLUSH CONCRETE SIDEWALK
N.T.S.



DOWNSPOUT CONNECTION DETAIL (SURFACE FLOW)
N.T.S.



DOWNSPOUT CONNECTION DETAIL (PIPE CONNECTION)
N.T.S.

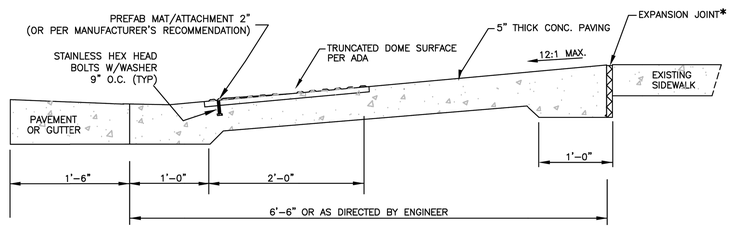


NOTES:

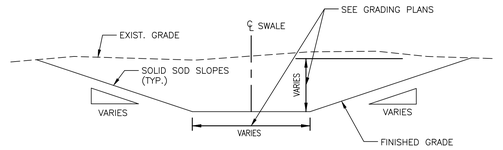
1. PROVIDE 6 FEET BETWEEN CONTROL JOINTS AND 24 FEET BETWEEN EXPANSION JOINTS.
2. ALL EXPANSION JOINTS SHALL BE 1/2" THICK, NEOPRENE MATERIAL.
3. EXPANSION MATERIAL TO BE USED AT ALL PC'S, PT'S AND STRUCTURES.

CONCRETE WALK DETAIL
N.T.S.

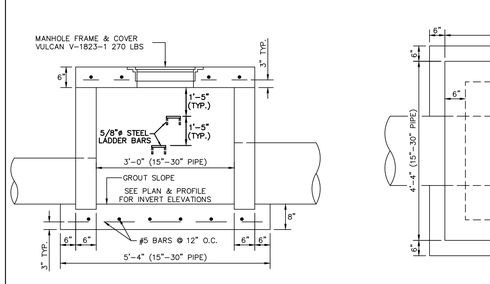
RAISED CONCRETE SIDEWALK
N.T.S.



CONC RAMP DETAIL
N.T.S.

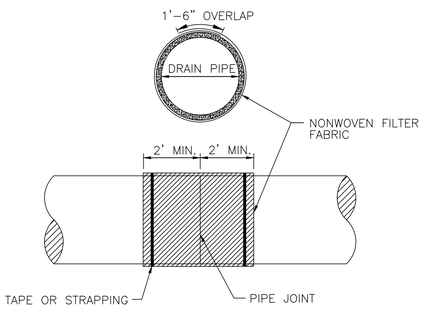


DRAINAGE SWALE DETAIL
N.T.S.



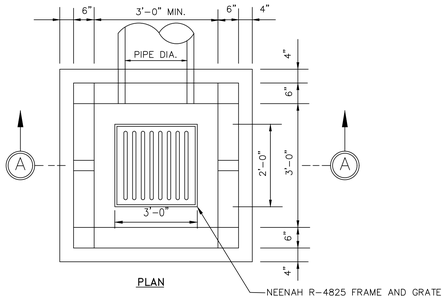
JUNCTION BOX DETAIL
N.T.S.

NOTE: STEPS REQUIRED FOR BOX HEIGHTS 4'-0" AND GREATER.

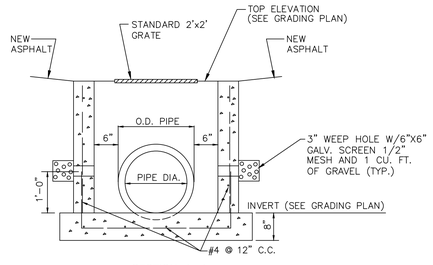


NOTE:
JOINTS ON ALL STORM DRAIN PIPES SHALL BE PIPE WRAPPED WITH A NON-WOVEN FILTER FABRIC AS SHOWN IN THIS DETAIL.

PIPE JOINT WRAP
N.T.S.



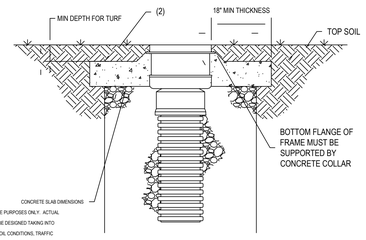
PLAN



SECTION A-A

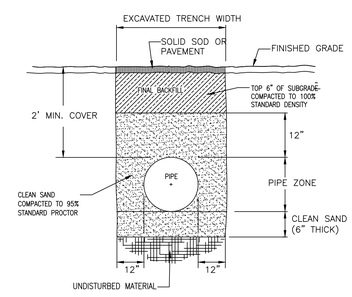
CONCRETE GRATE INLET DETAIL
N.T.S.

12" - 30" INLINE DRAIN/CLEANOUT

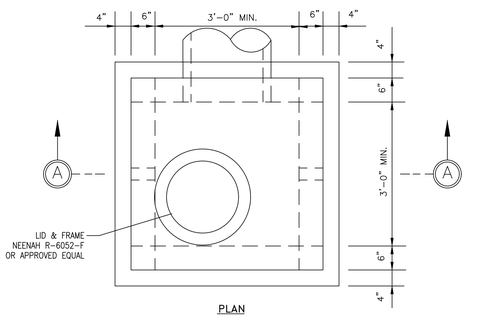


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	DATE: 01-05-09		
	REVISED BY: NMH	PROJECT NO./NAME	TITLE: 12 IN - 30 IN DRAIN BASIN & INLINE DRAIN TURF TRAFFIC INSTALLATION
	DATE: 03-14-16		
	DWG SIZE: A	SCALE: 1:25 SHEET: 1 OF 1	DWG NO. 7001-110-340 REV F

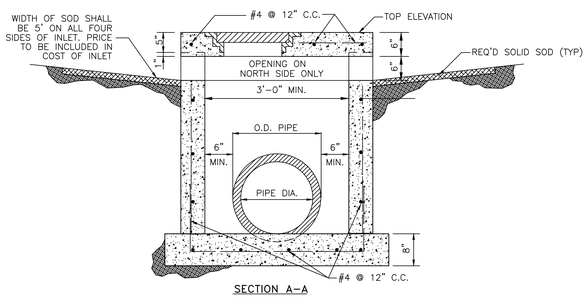
NYLOPLAST CLEANOUT DETAILS
N.T.S.



PIPE TRENCH BACKFILL DETAIL
N.T.S.



PLAN



SECTION A-A

WEIR INLET DETAIL
N.T.S.

BERM DETAIL
N.T.S.

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ■ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER No. 31262 Robert H. Roberts, Jr.

SHEET TITLE: CIVIL CONSTRN DETAILS

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-6.0

0 1" 2"

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB NOTES-DETAILS.dwg
- Friday, April 24, 2026 10:11:07 AM

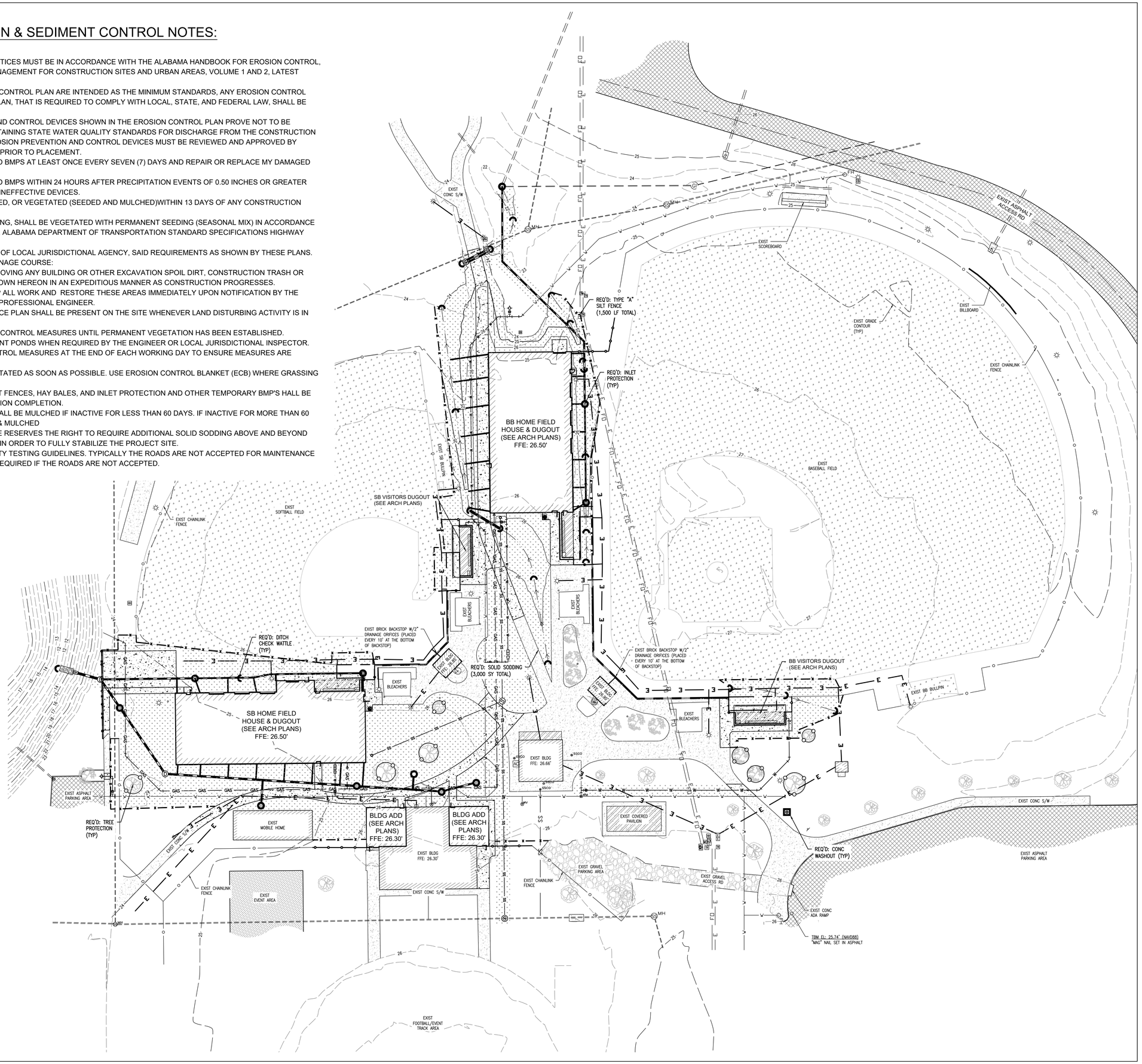
SOIL EROSION & SEDIMENT CONTROL NOTES:

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES MUST BE IN ACCORDANCE WITH THE ALABAMA HANDBOOK FOR EROSION CONTROL, SEDIMENT CONTROL AND STORM WATER MANAGEMENT FOR CONSTRUCTION SITES AND URBAN AREAS, VOLUME 1 AND 2, LATEST EDITION.
2. THE MEASURES SET FORTH IN THE EROSION CONTROL PLAN ARE INTENDED AS THE MINIMUM STANDARDS, ANY EROSION CONTROL MEASURE BEYOND THAT SPECIFIED IN THE PLAN, THAT IS REQUIRED TO COMPLY WITH LOCAL, STATE, AND FEDERAL LAW, SHALL BE IMPLEMENTED.
3. IN THE EVENT THAT EROSION PREVENTION AND CONTROL DEVICES SHOWN IN THE EROSION CONTROL PLAN PROVE NOT TO BE EFFECTIVE, ALTERNATE METHODS FOR MAINTAINING STATE WATER QUALITY STANDARDS FOR DISCHARGE FROM THE CONSTRUCTION SITE WILL BE REQUIRED. ALL ALTERNATE EROSION PREVENTION AND CONTROL DEVICES MUST BE REVIEWED AND APPROVED BY LOCAL AND STATE COMPLIANCE PERSONNEL PRIOR TO PLACEMENT.
4. THE CONTRACTOR SHALL INSPECT INSTALLED BMPS AT LEAST ONCE EVERY SEVEN (7) DAYS AND REPAIR OR REPLACE MY DAMAGED OR INEFFECTIVE DEVICES.
5. THE CONTRACTOR SHALL INSPECT INSTALLED BMPS WITHIN 24 HOURS AFTER PRECIPITATION EVENTS OF 0.50 INCHES OR GREATER AND REPAIR OR REPLACE ANY DAMAGED OR INEFFECTIVE DEVICES.
6. DISTURBED AREAS SHALL BE GRADED, SODDED, OR VEGETATED (SEEDED AND MULCHED)WITHIN 13 DAYS OF ANY CONSTRUCTION ACTIVITY FOR AN EFFECTIVE BMP.
7. ALL AREAS IDENTIFIED TO HAVE SOLID SODDING, SHALL BE VEGETATED WITH PERMANENT SEEDING (SEASONAL MIX) IN ACCORDANCE WITH SECTION 860, TABLE FOR ZONE 3 IN THE ALABAMA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS HIGHWAY CONSTRUCTION (CURRENT EDITION).
8. SILT FENCE MUST MEET THE REQUIREMENTS OF LOCAL JURISDICTIONAL AGENCY, SAID REQUIREMENTS AS SHOWN BY THESE PLANS.
9. WHEN ANY CONSTRUCTION BORDERS A DRAINAGE COURSE:

A. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ANY BUILDING OR OTHER EXCAVATION SPOIL DIRT, CONSTRUCTION TRASH OR DEBRIS, ETC., FROM THE DRAINAGE AREA SHOWN HEREON IN AN EXPEDITIOUS MANNER AS CONSTRUCTION PROGRESSES.

B. THE CONTRACTOR HEREBY AGREES TO STOP ALL WORK AND RESTORE THESE AREAS IMMEDIATELY UPON NOTIFICATION BY THE LOCAL JURISDICTIONAL INSPECTOR AND/OR PROFESSIONAL ENGINEER.

10. A COPY OF THE APPROVED LAND DISTURBANCE PLAN SHALL BE PRESENT ON THE SITE WHENEVER LAND DISTURBING ACTIVITY IS IN PROGRESS.
11. CONTRACTOR SHALL MAINTAIN ALL EROSION CONTROL MEASURES UNTIL PERMANENT VEGETATION HAS BEEN ESTABLISHED. CONTRACTOR SHALL CLEAN OUT ALL SEDIMENT PONDS WHEN REQUIRED BY THE ENGINEER OR LOCAL JURISDICTIONAL INSPECTOR. CONTRACTOR SHALL INSPECT EROSION CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
12. ALL SLOPES SHALL BE STABILIZED AND VEGETATED AS SOON AS POSSIBLE. USE EROSION CONTROL BLANKET (ECB) WHERE GRASSING SLOPES ARE INTERMITTENT.
13. ALL CONSTRUCTION WASTE AND DEBRIS, SILT FENCES, HAY BALES, AND INLET PROTECTION AND OTHER TEMPORARY BMP'S HALL BE REMOVED FROM THE SITE UPON CONSTRUCTION COMPLETION.
14. INACTIVE PROJECTS (MORE THAN 7 DAYS) SHALL BE MULCHED IF INACTIVE FOR LESS THAN 60 DAYS. IF INACTIVE FOR MORE THAN 60 DAYS, DISTURBED AREAS SHALL BE SEEDED & MULCHED
15. COUNTY ENGINEER OR HIS OR HER DESIGNEE RESERVES THE RIGHT TO REQUIRE ADDITIONAL SOLID SODDING ABOVE AND BEYOND RETENTION, DETENTION AND CONVEYANCES IN ORDER TO FULLY STABILIZE THE PROJECT SITE.
16. ALL TESTING SHALL FOLLOW BALDWIN COUNTY TESTING GUIDELINES. TYPICALLY THE ROADS ARE NOT ACCEPTED FOR MAINTENANCE BY THE COUNTY AND THUS TESTING IS NOT REQUIRED IF THE ROADS ARE NOT ACCEPTED.



GRAPHIC SCALE
0 15 30 60
1 inch = 30 feet

N

LEGEND

- PR INLET WATTLE PROTECTION
- PR DITCH CHECK WATTLE
- PR CONC WASHOUT
- PR TREE PROTECTION
- PR SLIT FENCE
- PR SOLID SOD AREA

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED No. 31242 PROFESSIONAL ENGINEER James R. Roberson II

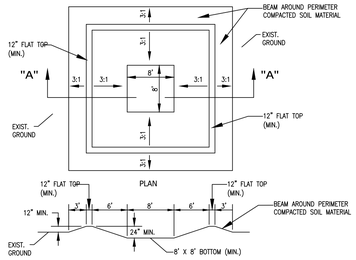
SHEET TITLE:
EROSION CONTROL PLAN

PROJ. MGR.: JR
DRAWN: BT/RC
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: C-7.0

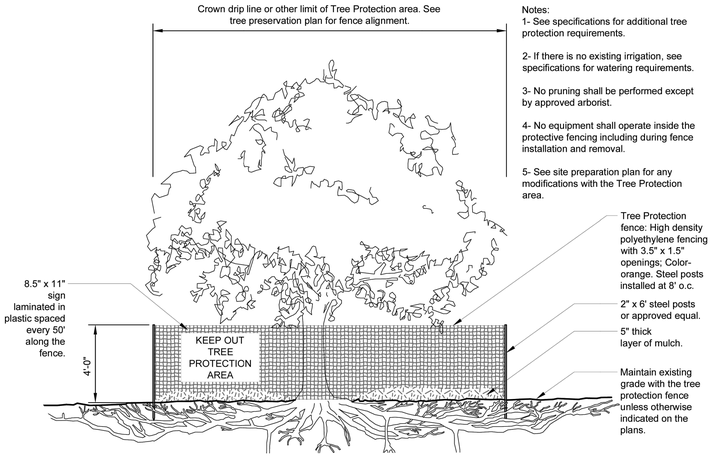
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- Friday, April 24, 2026 10:11:25 AM



CONCRETE WASHOUT AREA DETAILS

NTS



Notes:
1- See specifications for additional tree protection requirements.

2- If there is no existing irrigation, see specifications for watering requirements.

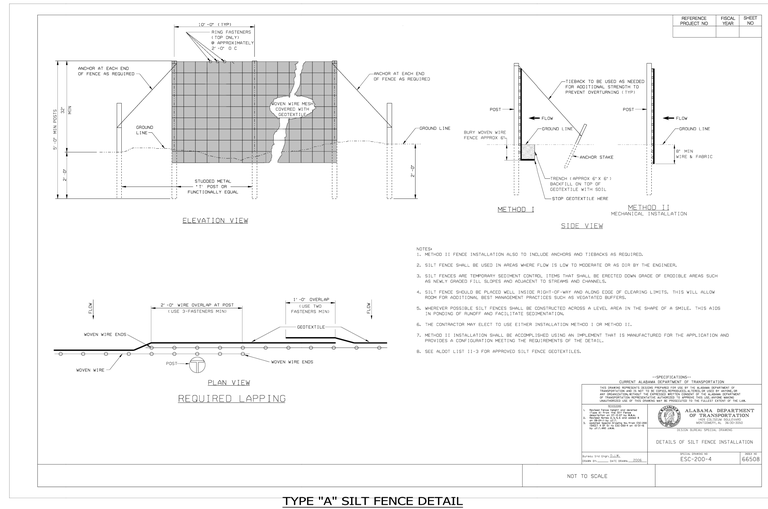
3- No pruning shall be performed except by approved arborist.

4- No equipment shall operate inside the protective fencing including during fence installation and removal.

5- See site preparation plan for any modifications with the Tree Protection area.

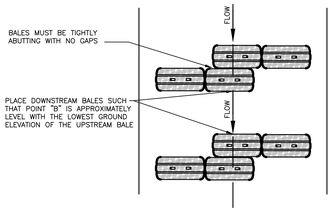
TREE PROTECTION DETAIL

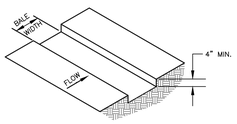
NTS

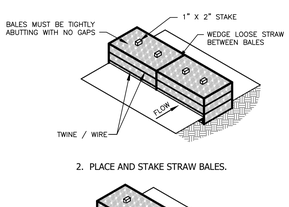


TYPE "A" SILT FENCE DETAIL

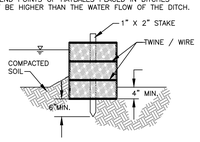
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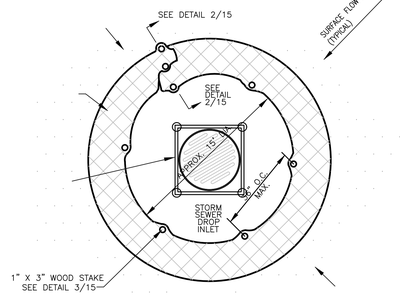


NOTE:
THE END POINTS OF HAYBALES PLACED IN DITCHES MUST BE HIGHER THAN THE WATER FLOW OF THE DITCH.

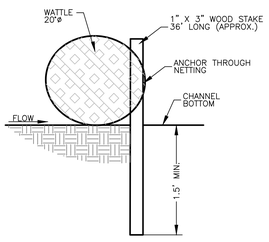


TYPICAL STRAW BALE INSTALLATION

NTS

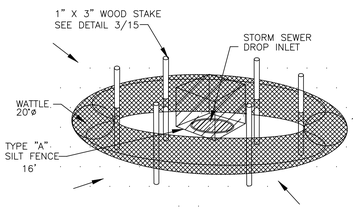


PLAN VIEW



STAKE DETAILS

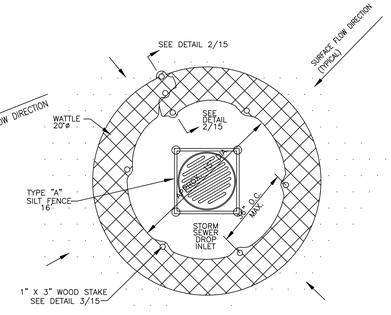
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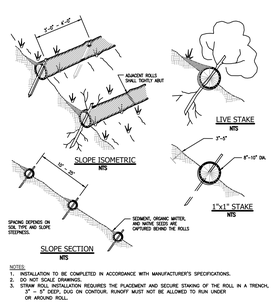
NOTE:
COST OF WOOD STAKES OR EQUAL SHALL BE INCLUDED IN COST OF WATTLES

DROP INLET PROTECTION

NTS



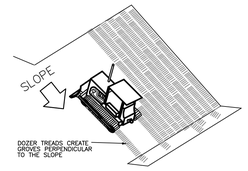
PLAN VIEW



STRAW WATTLES

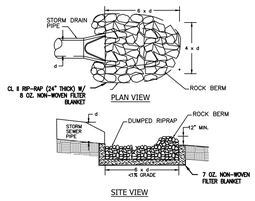
SLOPE STABILIZATION INSTALLATION DETAIL

NTS



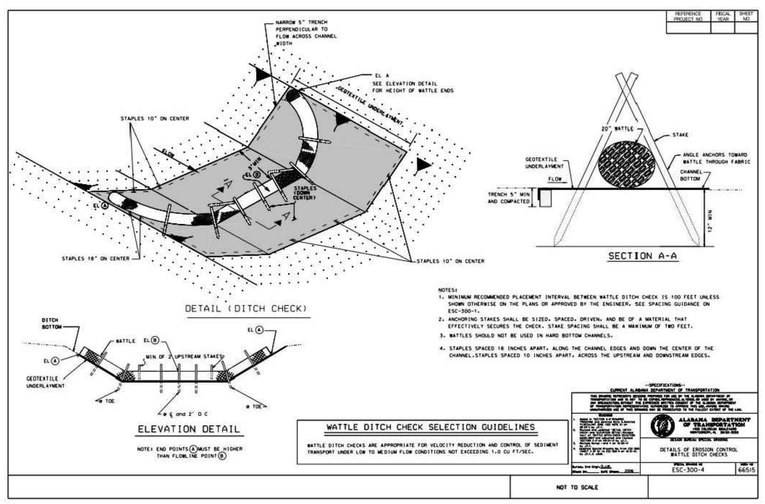
SURFACE ROUGHENING

NTS



RIPRAP OUTLET PROTECTION

NTS



WATTLE DITCH CHECK DETAIL

NTS

Sawgrass
ENGINEERING - SURVEYING - CONSTRUCTION MANAGEMENT
30673 Sgt. E. I. "Boots" Thomas Drive, Spanish Fort, AL 36527 Phone: (251) 544-7900

- S:\1-Clients\25-108 GSCS Baseball & Softball Field House Lathan-McKee Architects\CIVIL ENGINEERING\PRODUCTION DWGS\25-108 GSSP SB-BB NOTES-DETAILS.dwg
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LATHAN ▪ McKEE ARCHITECTS

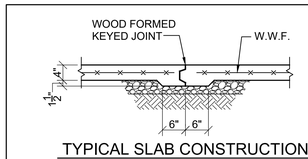
NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED PROFESSIONAL ENGINEER Joshua H. Roberson No. 31242

SHEET TITLE:
EROSION CONTROL DETAILS

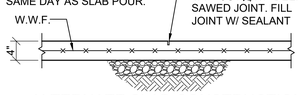
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DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
C-7.1

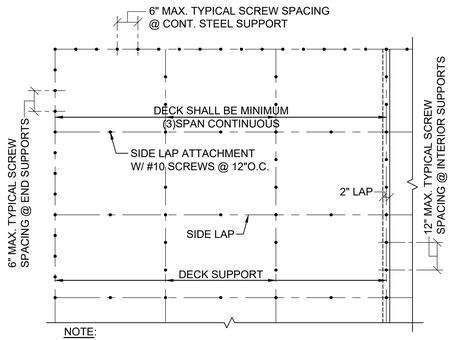


TYPICAL SLAB CONSTRUCTION
JOINT DETAIL-(C.J.)

NOTE:
IF SAWED JOINTS ARE USED, JOINTS MUST BE SAWED SAME DAY AS SLAB POUR.



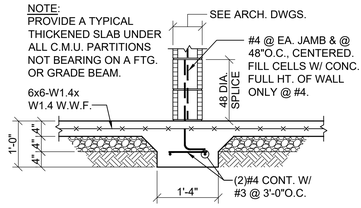
ALTERNATE SLAB CONSTRUCTION
JOINT DETAIL (SAWED JOINT)



NOTE:
ALL SCREWS @ CONT. SUPPORTS SHALL BE #12 SELF-DRILLING SELF-TAPPING SCREWS.

TYPICAL ROOF DECK FASTENING REQUIREMENTS
NO SCALE

NOTE:
PROVIDE A TYPICAL THICKENED SLAB UNDER ALL C.M.U. PARTITIONS NOT BEARING ON A FTG. OR GRADE BEAM.



GENERAL CONTRACTOR OPTION
#4 DOWELS MAY BE DRILLED & EPOXY GROUTED 6" MINIMUM INTO THICKENED SLAB

TYPICAL THICKENED SLAB DETAIL

FOOTING SCHEDULE

MARK	SIZE	DEPTH	REINFORCING
Ⓐ	3'-6" x 3'-6"	12"	(3)#4 EA. WAY TOP (5)#4 EA. WAY BOTTOM *
Ⓑ	4'-0" x 4'-0"	12"	(4)#4 EA. WAY TOP (6)#4 EA. WAY BOTTOM
Ⓒ	5'-9" x 5'-9"	12"	(6)#4 EA. WAY TOP (9)#4 EA. WAY BOTTOM
Ⓓ	6'-3" x 6'-3"	12"	(6)#4 EA. WAY TOP (10)#4 EA. WAY BOTTOM

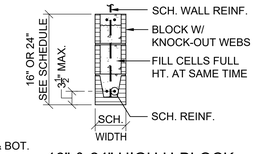
*=PROVIDE 180° HOOK EACH END ALL BARS.

LINTEL SCHEDULE

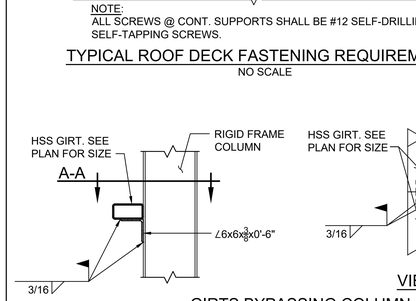
MARK OR LOCATION	MAX. SPAN	TYPE	SIZE	REINFORCEMENT	REMARKS
BRICK	4'–0"	STEEL ANGLE	L4x4x¼	–––––	BEAR 8" EACH END
BRICK	6'–4"	STEEL ANGLE	L6x4x⅜	–––––	LONG LEG VERTICAL BEAR 8" EACH END
BRICK	8'–0"	STEEL ANGLE	L7x4x3/8	–––––	LONG LEG VERTICAL BEAR 8" EACH END
8"CMU	3'–4"	U–BLOCK	8"x8"	#5 TOP & BOTTOM	8" HIGH U–BLOCK
8"CMU	6'–4"	U–BLOCK	8"x16"	(2)#5 TOP & BOTTOM	16" HIGH U–BLOCK
8"CMU	8'–0"	U–BLOCK	8"x24"	(2)#5 TOP & BOTTOM	24" HIGH U–BLOCK
8"CMU	13'–4"	CONC. BEAM	7⅝"x16"	(2)#5 TOP & BOTTOM #3 @ 6"O.C.	SEE NOTE 3 & 4
L–1	4'–0"	U–BLOCK	8"x16"	(2)#5 TOP & BOTTOM	16" HIGH U–BLOCK

NOTES:

1 - UNLESS NOTED OTHERWISE, BEAR 8" HIGH U-BLOCKS 8" EA. END AND 16" AND 24" HIGH U-BLOCKS 16" EACH END.
2 - FILL CELLS WITH CONCRETE FULL HEIGHT AT U-BLOCK. BEARING FOR ENTIRE LENGTH OF BEARING & REINF. EA. CELL W/ BAR SAME SIZE AS WALL REINFORCING. VERTICAL REINF. SHALL BE CONTINUOUS THRU LINTEL AT BEARING.
3 - BEAR CONC. BEAMS 16" EA. END. USE REINF. BAR EA. FACE (8"O.C.= 4 BARS TOTAL EA. JAMB). SEE TYP. JAMB CONDITION @ CONC. BEAM LINTELS THIS SHEET.
4 - AT GENERAL CONTRACTOR'S OPTION, 24" HIGH U-BLOCK W/ (2)#5 TOP & BOT. MAY BE USED IN LIEU OF 16" CONC. BEAM (W/ ATTACHED SHELF ANGLE FOR BRICK AS REQ'D.).

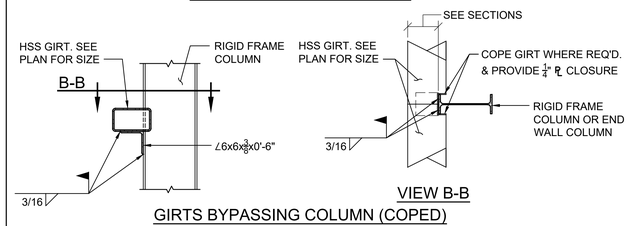


16" & 24" HIGH U-BLOCK



VIEW A-A

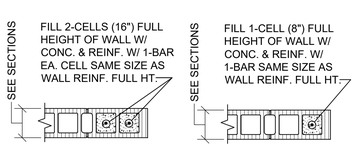
GIRTS BYPASSING COLUMN



VIEW B-B

GIRTS BYPASSING COLUMN (COPED)

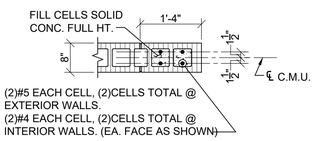
TYPICAL HSS GIRT TO BUILDING COLUMN DETAILS



JAMB AT 16" HIGH CMU LINTELS BEARING 16"

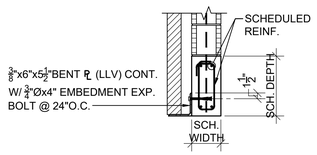
JAMB AT 8" HIGH CMU LINTELS BEARING 8"

NOTE:
ALL JAMB REINF. SHALL BE CONT. THRU LINTEL. MAINTAIN 3" VERT. BAR SPACING WHERE BEAM HORIZ. REINF. PASSES BETWEEN VERT. BARS. MAINTAIN 1" CLEARANCE BETWEEN BEAM HORIZ. BARS.

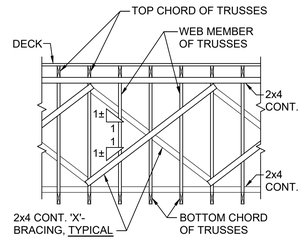


JAMB AT CONCRETE LINTELS &
24" HIGH CMU U-BLOCK LINTELS

TYPICAL JAMB REINFORCING DETAILS
(UNLESS NOTED OTHERWISE ON DRAWINGS)

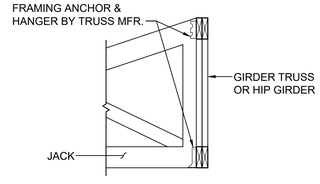


BRICK SUPPORT AT
CONCRETE BEAM LINTEL

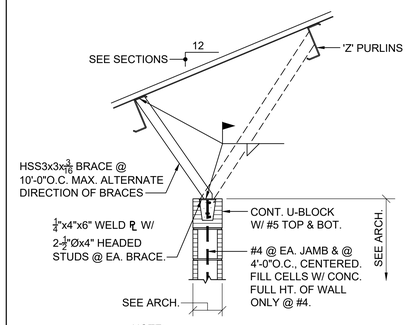


NOTE:
WHERE "PIGGY-BACK" TRUSSES OCCUR, PROVIDE ADD'L., SEPARATE, VERT. X-BRACING FOR PIGGY-BACKS.

TYPICAL 'X'-BRACING DETAIL

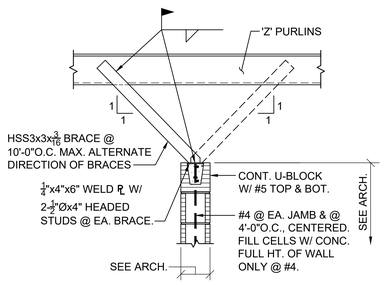


TYPICAL JACK-GIRDER
CONNECTION DETAIL



NOTE:
WHERE INTERSECTING PARTITIONS ARE LESS THAN 10'-0" APART, BRACES MAY BE OMITTED.

WALL PARALLEL TO PURLINS



NOTE:
WHERE INTERSECTING PARTITIONS ARE LESS THAN 10'-0" APART, BRACES MAY BE OMITTED.

WALL PERPENDICULAR TO PURLINS

TYPICAL C.M.U. PARTITION WALL ANCHORAGE DETAIL

GENERAL NOTES

FOUNDATION:
1. THE BEARING STRATA OF ALL FOOTINGS AND GRADE BEAMS SHALL BE INSPECTED AND APPROVED BY THE SOILS TESTING LABORATORY PRIOR TO PLACING THE REINFORCING STEEL AND CONCRETE.
2. ALL FOOTINGS SHALL BEAR ON AN UNDISTURBED SOIL STRATA OR COMPACTED FILL CAPABLE OF SUSTAINING THE LOADS.
3. FOOTINGS WERE DESIGNED FOR AN ASSUMED ALLOWABLE SOIL BEARING OF P = 1500 PSF. ALLOWABLE SOIL BEARING SHALL BE VERIFIED BY TESTING AGENCY PRIOR TO FOOTINGS BEING POURED.
4. ELEVATIONS SHOWN ON PLAN ARE TOP OF FOOTINGS AND ARE MINIMUM DEPTH. DIFFERENT OR UNUSUAL CONDITIONS SHALL BE REPORTED TO THE ARCHITECT AND/OR ENGINEER.
5. ALL FOOTING REINFORCEMENT SHALL BE HELD SECURELY FROM THE GROUND. CONCRETE BLOCK AND BROKEN TILE SHALL NOT BE USED. CONCRETE OR CLAY BRICK MAY BE USED.
6. DOWEL ALL FOOTINGS AND WALLS WHERE THEY ABUT WITH SAME STEEL AS VERTICAL.
7. PROVIDE PREFORMED EXPANSION JOINT WHERE SHOWN.
8. IN FOOTINGS PROVIDE CORNER BARS AT ALL EXTERIOR BUILDING CORNERS.
9. DO NOT BACK FILL BEHIND FOUNDATION WALLS UNTIL TOP AND BOTTOM SLABS HAVE BEEN POURED AND ATTAINED THEIR DESIGN STRENGTHS.
10. BACK FILL BOTH SIDES OF FOUNDATION WALLS AT SAME TIME TO PREVENT OVERTURNING.
11. BACK FILL BEHIND ALL RETAINING WALLS SHALL BE AN APPROVED GRANULAR MATERIAL.

CONCRETE:
1. ALL CONCRETE SHALL HAVE A COMPRESSIVE STRENGTH AT 28 DAYS OF F'c = 3000 PSI AND A MAXIMUM WATER-CEMENT RATIO OF 0.53. ALL CONCRETE FOR EXTERIOR APPLICATIONS SHALL CONTAIN ENTRAINED AIR. SEE SPECS FOR ADDITIONAL INFORMATION.
2. REINFORCING STEEL SHALL CONFORM TO ASTM A615 GRADE 60.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185 OR ASTM A1064.
4. UNLESS NOTED OTHERWISE PROTECTIVE COVERING OF REINFORCEMENT SHALL BE AS FOLLOWS (SEE DETAILS) : FOOTINGS AND GRADE BEAMS 3" CLEAR BOTTOM AND SIDES, 1 1/2" CLEAR TOP. CONCRETE SLABS 3/4" CLEAR. WALLS 1 1/2" CLEAR SIDES. BEAMS 1 1/2" CLEAR TO STIRRUPS. FORMED CONCRETE COLUMNS 1 1/2" CLEAR TO TIES.
5. LAP ALL CONCRETE WALL VERTICAL REINFORCING AND CONCRETE BEAM HORIZONTAL REINFORCING WITH CLASS B LAP SPLICES. SPLICE TIE RODS WITH MECHANICAL SPLICES CAPABLE OF DEVELOPING 125% OF THE BAR YIELD STRENGTH. LAP ALL OTHER CONTINUOUS BARS WITH CLASS A SPLICES UNLESS NOTED OTHERWISE.
6. PLACING PLANS AND DETAILS SHALL BE IN ACCORDANCE WITH THE LATEST "A.C.I. DETAILING MANUAL".
7. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
8. DO NOT RUN CONDUITS, RACEWAYS, OR PIPES IN CONCRETE SLABS, BEAMS, OR COLUMNS WITHOUT SPECIFIC APPROVAL FROM BLACKBURN DANIELS O'BARR.

MASONRY:
1. PROVIDE MASONRY HORIZONTAL JOINT REINFORCEMENT 16" O.C. VERTICAL IN ALL CONCRETE BLOCK WALLS. REINFORCEMENT SHALL BE FOR TOTAL WIDTH OF CAVITY WALLS.
2. WHERE CONCRETE OR STEEL BEAMS BEAR ON CONCRETE BLOCK WALLS, BLOCK CELLS SHALL BE FILLED WITH CONCRETE 1'-4" WIDE TO FOUNDATION AND REINFORCED WITH A #5 EACH CELL UNLESS NOTED OR DETAILED OTHERWISE.
3. CONCRETE OR GROUT FOR BLOCK FILL SHALL HAVE 3/8 INCH MAXIMUM SIZE COARSE AGGREGATE AND SUFFICIENT WATER SO THE CONCRETE WILL FLOW INTO THE BLOCK CELLS WITHOUT LEAVING VOIDS. HEIGHT OF LIFT WHEN FILLING CELLS SHALL NOT EXCEED 4'-0".
4. CONCRETE OR GROUT FILL FOR C.M.U. SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF F'c = 3000 PSI. ON 16" AND DEEPER U-BLOCKS, FILL CELLS FULL HEIGHT OF LINTEL AT SAME TIME.
5. ANCHOR ALL MASONRY WALLS TO STEEL COLUMNS WITH STRAP ANCHORS AT 16" O.C. VERTICALLY UNLESS SHOWN OTHERWISE.
6. UNLESS INDICATED OTHERWISE PROVIDE KEYED RUBBER MASONRY CONTROL JOINTS AT A MAXIMUM SPACING OF 25'-4". JOINT SHALL BE DISCONTINUOUS AT BOND BEAM. COORDINATE EXACT LOCATIONS WITH ARCHITECT.
7. PROVIDE REINFORCING BAR SUPPORTS TO CENTER VERTICAL REINFORCING IN MASONRY WALLS.
8. PROVIDE 48 DIAMETER LAP SPLICE IN VERTICAL MASONRY REINFORCING.
9. PROVIDE CORNER BARS IN U-BLOCK BOND BEAMS AT CORNERS, TYPICAL.
10. ALL CMU SHALL BE PLACED IN A RUNNING BOND PATTERN UNLESS NOTED OTHERWISE ON ARCHITECTURAL DRAWINGS.
11. VERTICAL REINFORCING SHALL BE CONTINUOUS THROUGH BOND BEAMS AND LINTELS (CUT OUT OR NOTCH BOTTOM OF U-BLOCKS AS REQUIRED -- DO NOT SUBSTITUTE BLOCK WITH KNOCK-OUT WEBS WHERE STANDARD U-BLOCK IS INDICATED). FOR BOND BEAMS AT TOP OF WALL, EXTEND VERTICAL REINFORCING TO 1" CLEAR TOP OF BOND BEAM.

STRUCTURAL STEEL:
1. ALL STRUCTURAL STEEL W AND WT SHAPES SHALL CONFORM TO ASTM A992 (GRADE 50). OTHER SHAPES (EXCEPT TUBE SECTIONS) SHALL CONFORM TO ASTM, A36, LATEST EDITION.
2. STRUCTURAL STEEL TUBE SECTIONS SHALL CONFORM TO ASTM A500, GRADE B, Fy = 46.0 KSI.
3. HEADED STUDS SHALL BE TYPE B SHEAR CONNECTORS (Fu = 65 KSI).
4. STEEL FABRICATOR SHALL SUBMIT SHOP DRAWINGS FOR THE ARCHITECT AND/OR ENGINEER'S REVIEW.
5. THE CONTRACTOR SHALL VERIFY ALL SHOP DRAWINGS DIMENSIONS WITH STRUCTURAL AND ARCHITECTURAL PLANS AND DETAILS.
6. BOLTED CONNECTIONS SHALL BE MADE WITH HIGH STRENGTH BOLTS CONFORMING TO ASTM A325. USE 3/4 INCH DIAMETER MINIMUM.
7. CONNECTIONS NOT SHOWN ON DRAWINGS SHALL BE DESIGNED BY THE FABRICATOR. WHERE POSSIBLE USE DOUBLE ANGLE CONNECTIONS. USE MAXIMUM NUMBER OF BOLTS FOR DEPTH OF BEAM WITH SINGLE ROW OF BOLTS.

WOOD FRAMING:
1. ALL WOOD FRAMING MEMBERS SHALL BE STRESS RATED AND GRADE MARKED.
2. FRAMING MEMBERS EXCEPT STUDS SHALL BE NO.2, KILN DRIED, SOUTHERN YELLOW PINE OR APPROVED EQUAL.
3. PROVIDE PREFABRICATED WOOD TRUSSES WHERE INDICATED ON PLAN.
4. ALL TRUSSES SHALL BE DESIGNED AND MANUFACTURED TO MEET THE FOLLOWING WORKING LOADS AND CODES.
   MINIMUM LOADS:
   ROOF LIVE LOAD.....20 PSF.
   ROOF DEAD LOAD.....15 PSF.
   CEILING LOAD.....10 PSF.
5. CONNECTORS SHALL MEET THE SPECIFICATIONS OF THE TRUSS PLATE INSTITUTE AND SHALL BE SANFORD, GANG-NAIL, TEMPLIN OR EQUAL.
6. MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS FOR EACH TYPE TRUSS. DESIGNS SHALL BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF ALABAMA. SIZES OF MEMBERS MAY BE CHANGED AS ALLOWED OR REQUIRED BY THE GRADE OF LUMBER USED EXCEPT THAT ALL TOP CHORDS AND BOTTOM CHORDS SHALL BE 2X6 MINIMUM.
7. PROVIDE CAMBER IN ALL TRUSSES.
8. PROVIDE VERTICAL WEB MEMBERS TO ACCOMODATE TRUSS VERTICAL X-BRACING (SEE PLAN FOR LOCATIONS).
9. IN ADDITION TO THE "X" BRACING SHOWN ON THE CONTRACT DRAWINGS, THE CONTRACTOR SHALL PROVIDE ALL BRACING REQUIRED BY THE TRUSS MANUFACTURER. THE DESIGN OF BRACING FOR INDIVIDUAL TRUSS MEMBERS INCLUDING CONTINUOUS BRACING SHALL BE THE RESPONSIBILITY OF THE TRUSS DESIGN ENGINEER AND HE SHALL SHOW THE SIZES OF THIS BRACING ON THE SHOP DRAWINGS INCLUDING ALL END ANCHORAGE DETAILS FOR CONTINUOUS BRACING.
10. ANCHOR ALL TRUSSES, JOISTS, AND RAFTERS TO SUPPORTS WITH GALVANIZED FRAMING ANCHORS.
11. HURRICANE ANCHORS SHOWN ON DRAWINGS ARE MINIMUM REQUIRED. PROVIDE ADDITIONAL ANCHORS AND/OR DIFFERENT TYPES OF ANCHORS AS REQUIRED TO RESIST NET UPLIFT IN ACCORDANCE WITH TRUSS MANUFACTURER'S RECOMMENDATIONS. TRUSS MANUFACTURER SHALL INDICATE REQUIRED ANCHORAGE ON SHOP DRAWINGS.
12. ALL NAILS, ANCHOR BOLTS, AND OTHER STEEL ANCHORS IN CONTACT WITH PRESSURE TREATED WOOD SHALL BE HOT DIP GALVANIZED OR STAINLESS STEEL. PROVIDE 15# FELT SEPARATOR (OR EQUIVALENT) AS REQUIRED BETWEEN ALL PRESSURE TREATED WOOD AND OTHER METAL FRAMING.
13. UNLESS NOTED OTHERWISE ATTACH PLYWOOD ROOF DECK WITH 10d NAILS @ 6" O.C. AT SUPPORTED EDGES AND @ 12" O.C. AT INTERMEDIATE SUPPORTS.

PRE-ENGINEERED METAL BUILDING:
1. THE COMPLETE DESIGN OF METAL BUILDING INCLUDING ALL COMPONENTS SHOWN OR NOT SHOWN ON THE DRAWINGS SHALL BE ACCOMPLISHED BY THE BUILDING MANUFACTURER.
2. THE DESIGN SHALL BE MADE BY A REGISTERED ENGINEER, REGISTERED IN THE STATE OF ALABAMA AND HE SHALL AFFIX HIS REGISTRATION NUMBER TO ALL SHOP DRAWINGS AND CALCULATIONS.
3. THE BUILDING AND ALL OF ITS COMPONENTS SHALL BE DESIGNED FOR THE FOLLOWING DEAD AND LIVE LOADS;
   a.) ACTUAL WEIGHT OF STEEL STRUCTURE.
   b.) 8 PSF DEAD (COLLATERAL) LOAD IN ADDITION TO ACTUAL WEIGHT OF STRUCTURE AND ROOFING MATERIALS.
   c.) 20 PSF ROOF LIVE LOAD.
   d.) ANY ADDITIONAL LOADS AND REACTIONS THAT ARE SHOWN ON THE DRAWINGS.
   e.) WIND LOADING AS REQUIRED BY INTERNATIONAL BUILDING CODE.
4. NO LIVE LOAD REDUCTION SHALL BE TAKEN FOR THE DESIGN OF THE RIGID FRAMES.
5. WHERE MEMBER SIZES AND GAGES ARE SHOWN THEY SHALL BE CONSIDERED A MINIMUM SIZE. THE MANUFACTURER SHALL NOT USE SMALLER SIZE OR LIGHTER GAGES, OR OMIT FRAMING WHERE INDICATED. HE SHALL USE ONLY LARGER SIZE AND HEAVIER GAGES IF HIS DESIGN INDICATES THESE ARE REQUIRED TO MEET THE LOADING CRITERIA
6. THE DEFLECTION OF GIRTS SHALL BE LIMITED TO 1/240 OF THE SPAN AND DEFLECTION OF PURLINS SHALL BE LIMITED TO 1/240 OF THE SPAN. DEFLECTION OF RIGID FRAMES SHALL BE LIMITED TO 1/240 OF THE SPAN. DEFLECTIONS SHALL BE BASED ON TOTAL LOAD (DEAD PLUS LIVE LOADS). TOTAL RIGID FRAME DRIFT SHALL BE LIMITED TO H/360, WHERE H IS EQUAL TO THE EAVE HEIGHT.
7. COLUMN BASES SHALL BE DESIGNED AS PINNED CONNECTIONS. MOMENTS AT COLUMN BASE PLATES ARE NOT ACCEPTABLE.
8. LOCATE PORTAL FRAMES WHERE INDICATED ON PLAN. PORTAL FRAME COLUMNS SHALL BE NESTED TIGHT TO WEB OF RIGID FRAME COLUMN (WITH COMMON BASE PLATE).

CODES:
ALL PARTS SHALL BE FURNISHED AND ERECTED ACCORDING TO THE APPLICABLE CODES AND SPECIFICATIONS OF THE FOLLOWING:
AMERICAN CONCRETE INSTITUTE (ACI)
AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC)
AMERICAN WELDING SOCIETY (AWS)
OSHA STEEL ERECTION STANDARD (OSHA)
INTERNATIONAL BUILDING CODE (IBC 2021) (ICC)

DESIGN LIVE LOADS:
ROOF.....20 PSF
WIND.....INTERNATIONAL BUILDING CODE (PER ASCE 7-16)
WIND EXPOSURE.....C
RISK CATEGORY (PER IBC 2021/ASCE 7-16).....II
ULTIMATE DESIGN WIND SPEED (Vult).....158 MPH
NOMINAL DESIGN WIND SPEED (Vasd).....122 MPH
INTERNAL PRESSURE COEFFICIENTS.....+/-0.18
SEISMIC....INTERNATIONAL BUILDING CODE (PER ASCE 7-16)
SEISMIC IMPORTANCE FACTOR.....Ie=1.0
MAPPED SPECTRAL ACCELERATION (SHORT-TERM),Ss=0.083g
MAPPED SPECTRAL ACCELERATION (1-SECOND)...S1=0.054g
SITE CLASS.....D
SHORT-PERIOD SPECTRAL RESPONSE ACCEL.....Sds=0.089g
1-SECOND SPECTRAL RESPONSE ACCEL.....Sd1=0.087g
SEISMIC DESIGN CATEGORY.....B
SEISMIC FORCE-RESISTING SYSTEM(S):
CMU SHEAR WALLS
STEEL MOMENT FRAMES
SEISMIC RESPONSE COEFFICIENT(S):
Cs=0.030 (FIELDHOUSES)
Cs=0.025 (DUGOUTS)
DESIGN BASE SHEAR (ULTIMATE):
FIELD HOUSES.....10.9k
DUGOUTS.....<1k
RESPONSE MODIFICATION FACTOR(S):
R=3.5 (DUGOUTS/CMU) OR 3.0 (PEMB/STEEL)
ANALYSIS PROCEDURE.....ASCE 7 (SECT 12.8)

SNOW.....INTERNATIONAL BUILDING CODE
GROUND SNOW LOAD.....Pg=0 PSF

COMPONENTS AND CLADDING ULTIMATE WIND PRESSURES:
NOTE: MULTIPLY ALL VALUES SHOWN BELOW BY 0.6 TO GET ALLOWABLE DESIGN PRESSURES. SEE FIGURE 30.4-1 OF ASCE 7-16 FOR INDICATED ZONES.

ROOF:TRIBUTARY AREA A = 10 SF
ZONE 1: -106 PSF/35.4 PSF
ZONE 2e: -106 PSF/35.4 PSF
ZONE 2n: -154 PSF/35.4 PSF
ZONE 2r: -154 PSF/35.4 PSF
ZONE 3e: -154 PSF/35.4 PSF
ZONE 3r: -183 PSF/35.4 PSF
ROOF:TRIBUTARY AREA A = 100 SF
ZONE 1: -32.9 PSF/23.8 PSF
ZONE 2e: -32.9 PSF/23.8 PSF
ZONE 2n: -84.8 PSF/23.8 PSF
ZONE 2r: -84.8 PSF/23.8 PSF
ZONE 3e: -84.8 PSF/23.8 PSF
ZONE 3r: -95.9 PSF/23.8 PSF
WALL:TRIBUTARY AREA A = 10 SF
ZONE 4: -62.0 PSF/58.6 PSF
ZONE 5: -76.6 PSF/58.6 PSF
WALL:TRIBUTARY AREA A = 100 SF
ZONE 4: -53.5 PSF/49.8 PSF
ZONE 5: -59.5 PSF/49.8 PSF
CORNER ZONE = 6.8 FT

SPECIAL INSPECTIONS:
ALL SPECIAL INSPECTIONS REQUIRED BY CHAPTER 17 OF IBC SHALL BE PERFORMED BY A DESIGNATED TESTING AGENCY OR AGENCIES RESPONSIBLE FOR SPECIAL INSPECTIONS.

WIND REQUIREMENTS FOR SPECIAL INSPECTIONS:
1. THE FOLLOWING STRUCTURAL COMPONENTS ARE DESIGNATED AS WIND SYSTEMS AND/OR PART OF THE MAIN WINDFORCE-RESISTING SYSTEM OF THE BUILDING AND ARE SUBJECT TO THE REQUIREMENTS OF SECTION 1705.12 OF IBC 2021 AND PROJECT SPECIFICATIONS:
   ROOF DIAPHRAGM SYSTEM AND ATTACHMENT
   STEEL MOMENT FRAMES
   CMU WALLS INCLUDING ANCHORAGE TO FOUNDATION
   THESE SPECIFIC COMPONENTS ARE IN ADDTION TO ALL GENERAL COMPONENTS LISTED IN SECTION 1705.12 OF IBC 2021 AND ARE SUBJECT TO ALL SPECIAL INSPECTIONS AND TESTING AS REQUIRED BY CHAPTER 17 OF IBC 2021, PROJECT SPECIFICATIONS, AND SCHEDULE OF SPECIAL INSPECTIONS. SPECIAL INSPECTION REPORTS SHALL BE SUBMITTED AS PER THE STATEMENT OF SPECIAL INSPECTIONS.
2. OTHER ARCHITECTURAL COMPONENTS AND THEIR ANCHORAGES MAY ALSO BE DESIGNATED AS WIND-RESISTING COMPONENTS. SEE OTHER DISCIPLINE'S DRAWINGS AND SPECIFICATIONS.

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED NO. 22214 PROFESSIONAL ENGINEER MARK O. LATHAN
04-24-26

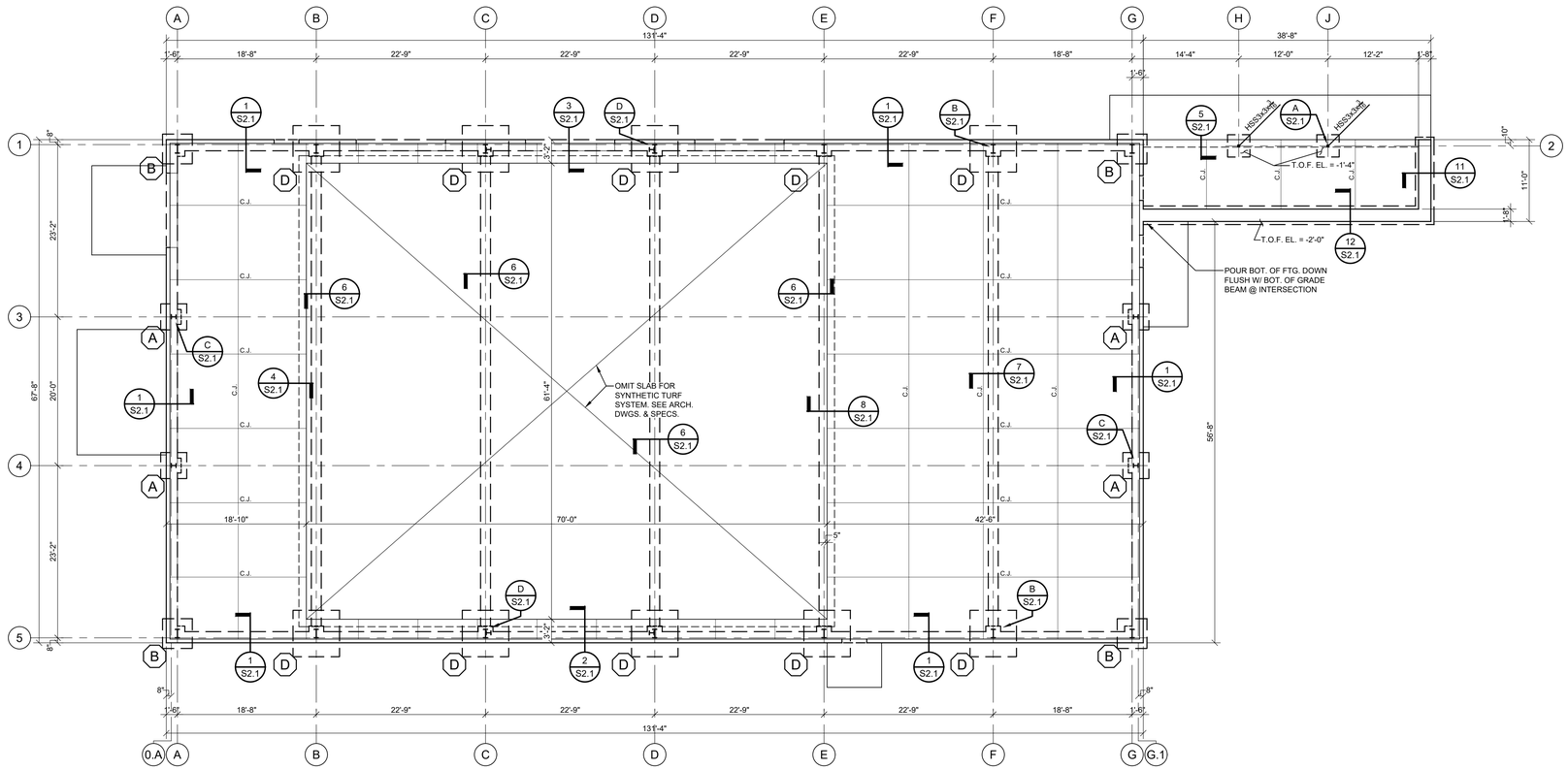
SHEET TITLE:
GENERAL NOTES
SCHEDULES
TYPICAL DETAILS

PROJ. MGR.: RMO
DRAWN: R. Casey
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
S0.1

0 1" 2"

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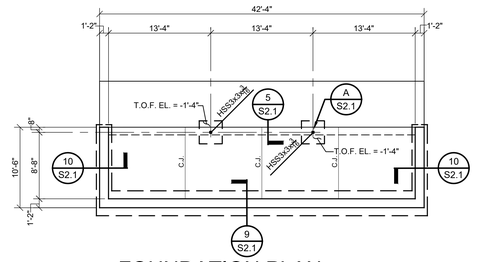
FLOOR CONSTRUCTION

4" THICK CONCRETE SLAB W/ 6x6-W1.4xW1.4 W.W.F. OVER VAPOR BARRIER OVER 4" POROUS FILL.
FINISH FLOOR EL.= +0'-0" (ASSUMED)

NOTE:
UNLESS NOTED OTHERWISE, TOP OF FOOTING EL.= (-2'-8")

FOUNDATION PLAN - BASEBALL FIELDHOUSE

1/8"=1'-0"



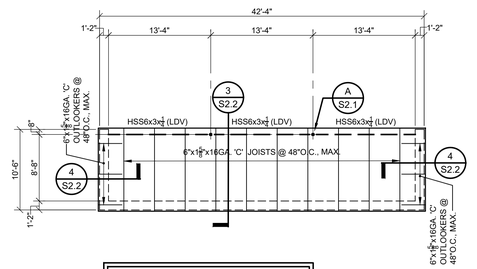
FOUNDATION PLAN - BASEBALL VISITOR DUGOUT

1/8"=1'-0"

FLOOR CONSTRUCTION

4" THICK CONCRETE SLAB W/ 6x6-W1.4 xW1.4 W.W.F. OVER VAPOR BARRIER OVER 4" POROUS FILL.
FINISH FLOOR EL.= +0'-0" (ASSUMED)

NOTE:
UNLESS NOTED OTHERWISE, TOP OF FOOTING EL.= (-2'-0")

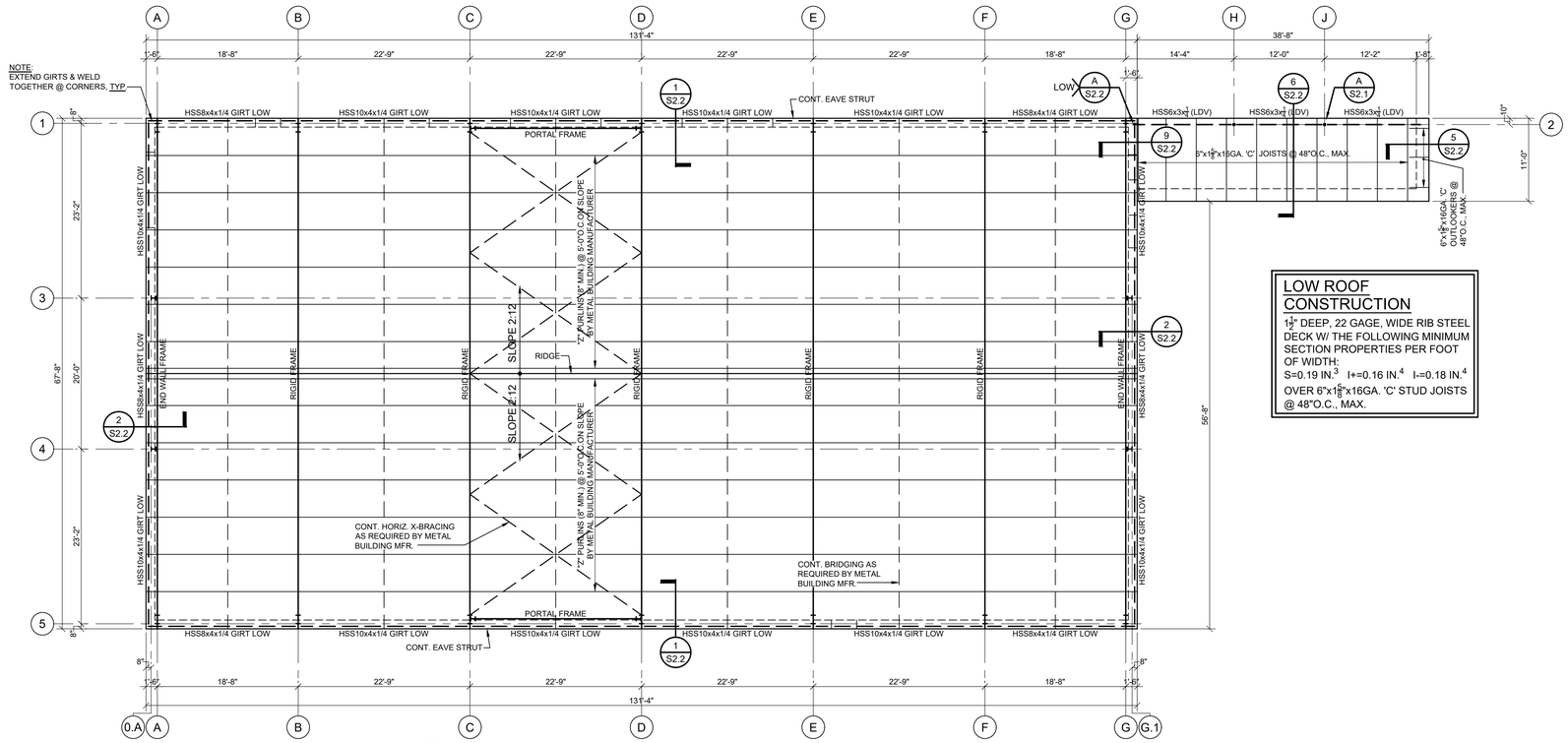


ROOF CONSTRUCTION

1½" DEEP, 22 GAGE, WIDE RIB STEEL DECK W/ THE FOLLOWING MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH:
S=0.19 IN.^{3} I+=0.16 IN.^{4} I-=0.18 IN.^{4}
OVER 6"x1⅝"x16GA. 'C' STUD JOISTS @ 48"O.C., MAX.

ROOF FRAMING PLAN - BASEBALL VISITOR DUGOUT

1/8"=1'-0"



LOW ROOF CONSTRUCTION

1½" DEEP, 22 GAGE, WIDE RIB STEEL DECK W/ THE FOLLOWING MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH:
S=0.19 IN.^{3} I+=0.16 IN.^{4} I-=0.18 IN.^{4}
OVER 6"x1⅝"x16GA. 'C' STUD JOISTS @ 48"O.C., MAX.

ROOF FRAMING PLAN - BASEBALL FIELDHOUSE

1/8"=1'-0"

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04-24-26

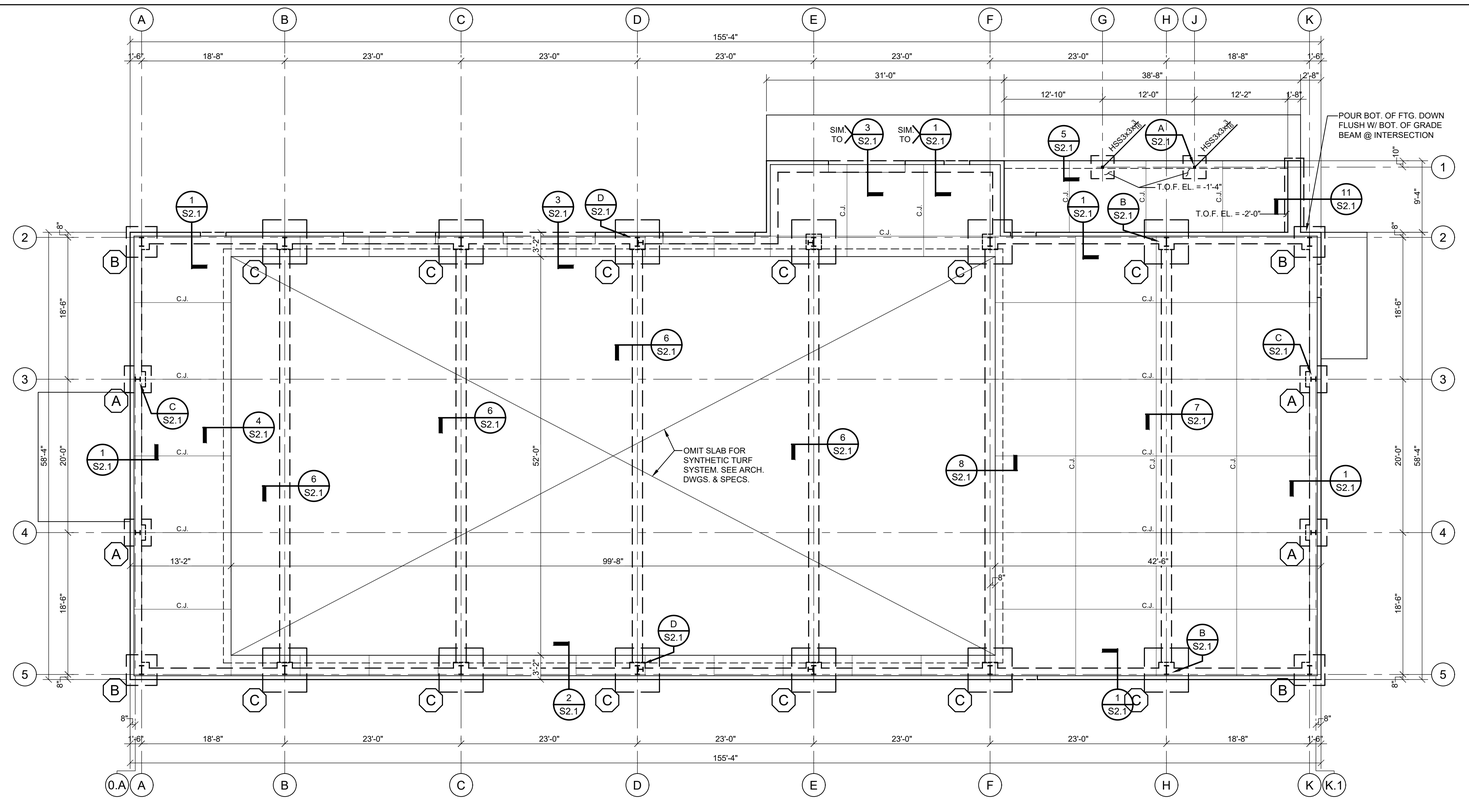
SHEET TITLE:
BASEBALL FOUNDATION & ROOF FRAMING PLANS

PROJ. MGR.: RMO
DRAWN: R. Casey
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
S1.1

0 1" 2"

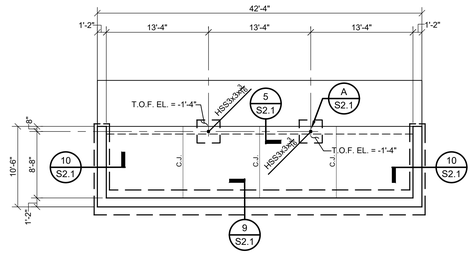
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- Friday, April 24, 2026 10:50:25 AM



FLOOR CONSTRUCTION
4" THICK CONCRETE SLAB W/ 6x6-W1.4xW1.4 W.W.F. OVER VAPOR BARRIER OVER 4" POROUS FILL.
FINISH FLOOR EL.= +0'-0" (ASSUMED)

NOTE:
UNLESS NOTED OTHERWISE, TOP OF FOOTING EL.= (-2'-8")

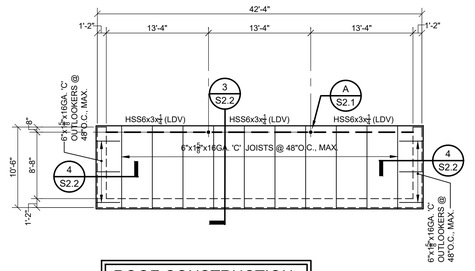
FOUNDATION PLAN - SOFTBALL FIELDHOUSE
1/8"=1'-0"



FOUNDATION PLAN - SOFTBALL VISITOR DUGOUT
1/8"=1'-0"

FLOOR CONSTRUCTION
4" THICK CONCRETE SLAB W/ 6x6-W1.4xW1.4 W.W.F. OVER VAPOR BARRIER OVER 4" POROUS FILL.
FINISH FLOOR EL.= +0'-0" (ASSUMED)

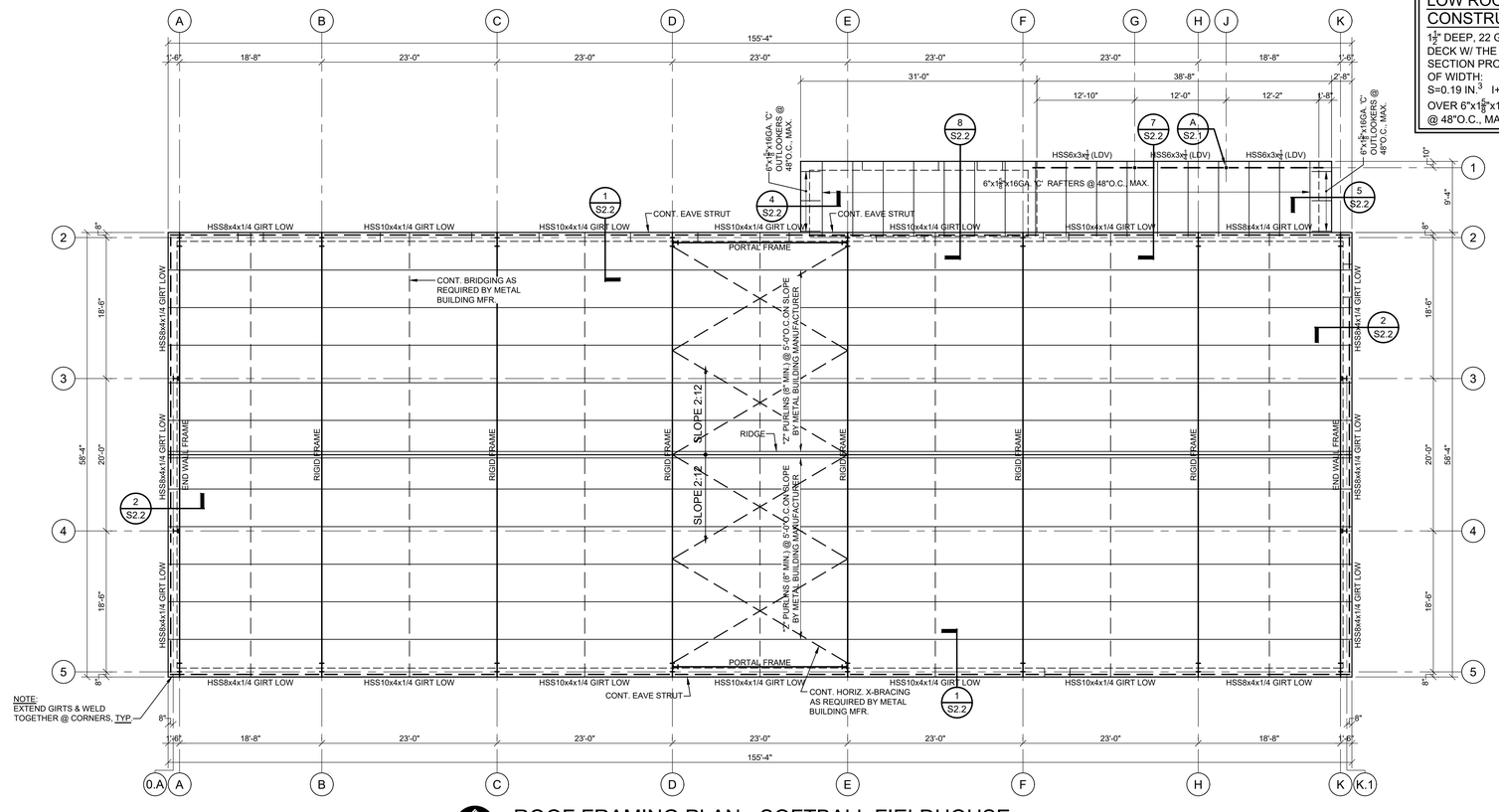
NOTE:
UNLESS NOTED OTHERWISE, TOP OF FOOTING EL.= (-2'-0")



ROOF CONSTRUCTION
1½" DEEP, 22 GAGE, WIDE RIB STEEL DECK W/ THE FOLLOWING MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH:
S=0.19 IN.^{3} I+=0.16 IN.^{4} I-=0.18 IN.^{4}
OVER 6"x1⅝"x16GA. 'C' STUD JOISTS @ 48"O.C., MAX.

ROOF FRAMING PLAN - SOFTBALL VISITOR DUGOUT
1/8"=1'-0"

LOW ROOF CONSTRUCTION
1½" DEEP, 22 GAGE, WIDE RIB STEEL DECK W/ THE FOLLOWING MINIMUM SECTION PROPERTIES PER FOOT OF WIDTH:
S=0.19 IN.^{3} I+=0.16 IN.^{4} I-=0.18 IN.^{4}
OVER 6"x1⅝"x16GA. 'C' STUD JOISTS @ 48"O.C., MAX.



ROOF FRAMING PLAN - SOFTBALL FIELDHOUSE
1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED NO. 22214 PROFESSIONAL ENGINEER R. MARK O'CASEY
04-24-26

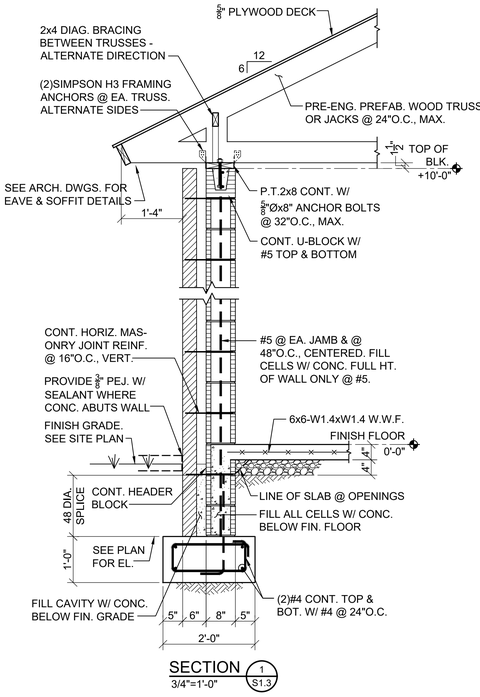
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PROJ. MGR.: RMO
DRAWN: R. Casey
DATE: 04.24.2026
REVISIONS

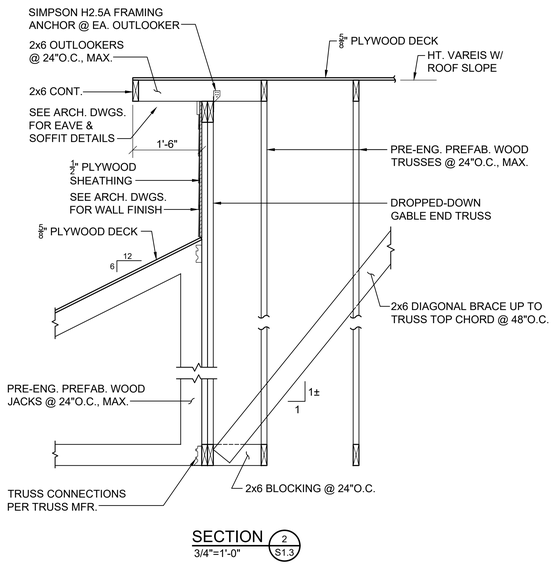
JOB NO. 25-111
SHEET NO:
S1.2

0 1" 2"

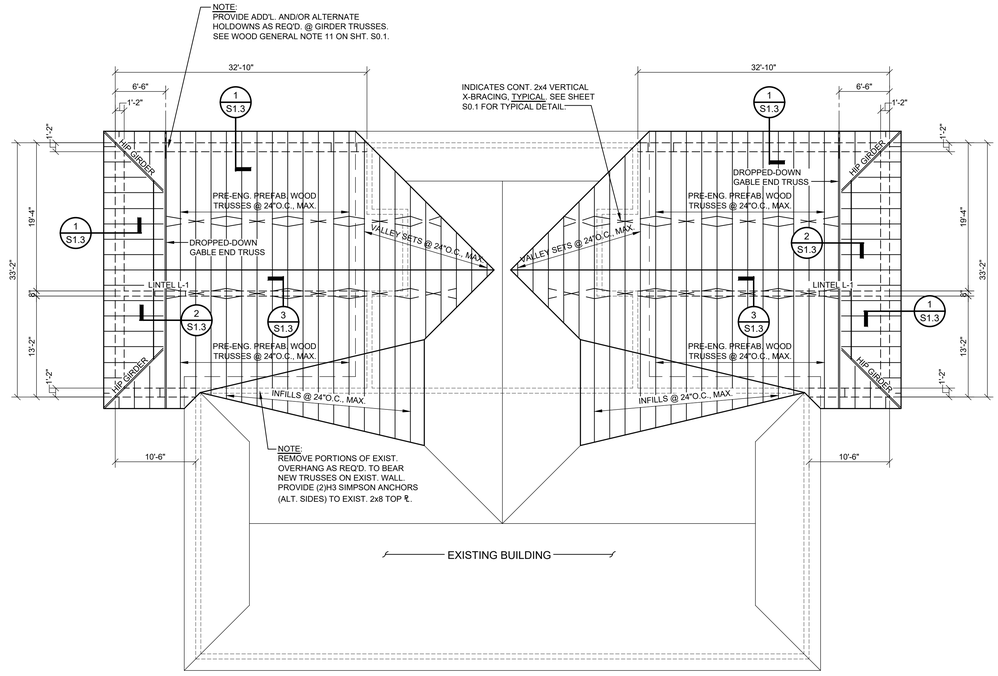
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SECTION 1 S1.3
3/4"=1'-0"



SECTION 2 S1.3
3/4"=1'-0"



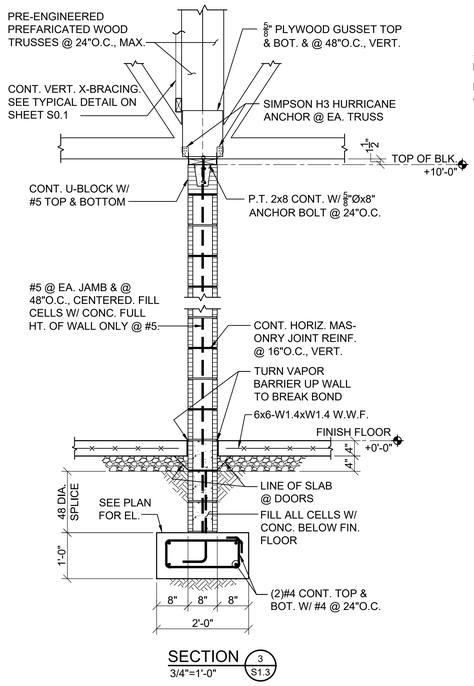
ROOF FRAMING PLAN - SOCCER FIELDHOUSE

SCALE: 1/8" = 1'-0"

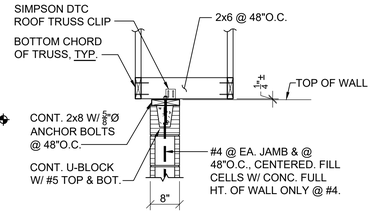
ROOF CONSTRUCTION

5/8" THICK APA RATED PLYWOOD DECK, EXPOSURE 1, W/ PANEL IDENTIFICATION INDEX OF 40/20 OVER PRE-ENGINEERED PREFABRICATED WOOD TRUSSES & JACKS @ 24"O.C., MAXIMUM.

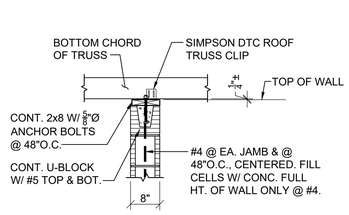
NOTE:
PROVIDE PLYCLIPS @ MID SPAN BETWEEN TRUSSES & RAFTERS @ ALL JOINTS IN ADJACENT ROOF DECK SHEETS.



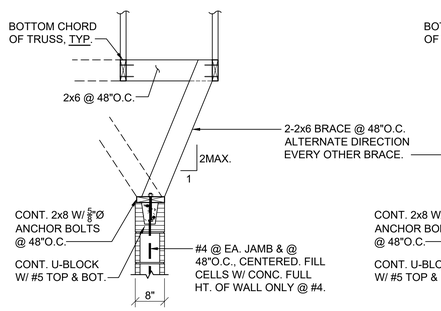
SECTION 3 S1.3
3/4"=1'-0"



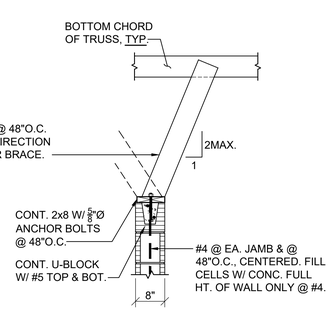
WALL PARALLEL TO TRUSSES



WALL PERPENDICULAR TO TRUSSES

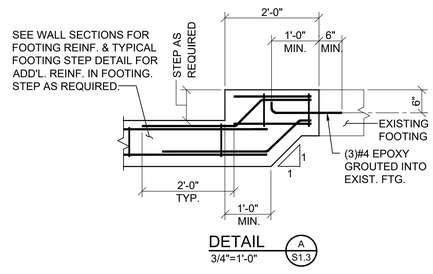


WALL PARALLEL TO TRUSSES

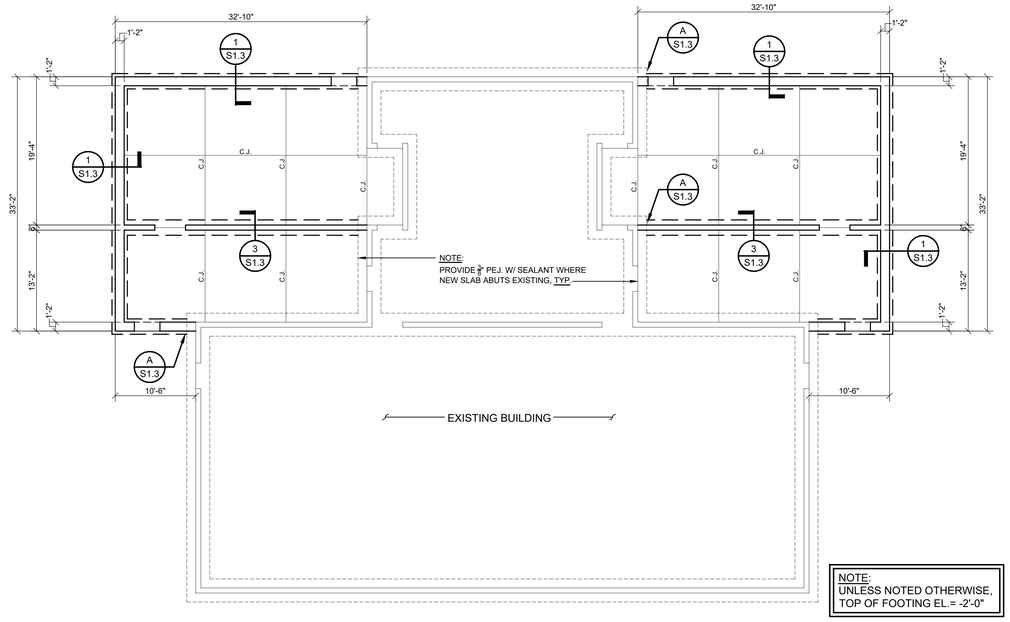


WALL PERPENDICULAR TO TRUSSES

TYPICAL WALL ANCHORAGE DETAIL @ WOOD TRUSSES



DETAIL A S1.3
3/4"=1'-0"



FOUNDATION PLAN - SOCCER FIELDHOUSE

SCALE: 1/8" = 1'-0"

NOTE:
UNLESS NOTED OTHERWISE, TOP OF FOOTING EL.= -2'-0"

FLOOR CONSTRUCTION

4" THICK CONCRETE SLAB W/ 6x6-W1.4xW1.4 W.W.F. OVER VAPOR BARRIER OVER 4" POROUS FILL.
FINISH FLOOR EL.= +0'-0" (ASSUMED)

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED NO. 22214 PROFESSIONAL ENGINEER STAMP OF SEAL
04-24-26

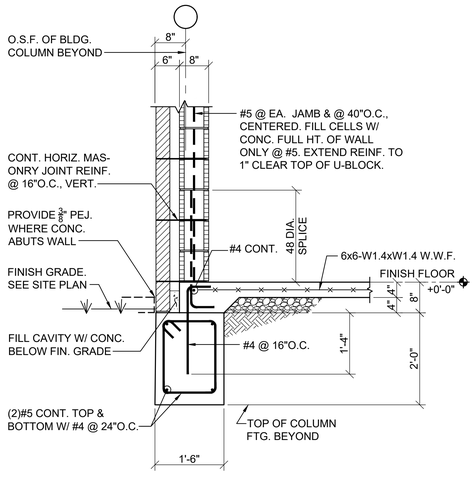
SHEET TITLE:
SOCCER FIELDHOUSE FOUNDATION & FRAMING PLANS

PROJ. MGR.: RMO
DRAWN: R. Casey
DATE: 04.24.2026
REVISIONS

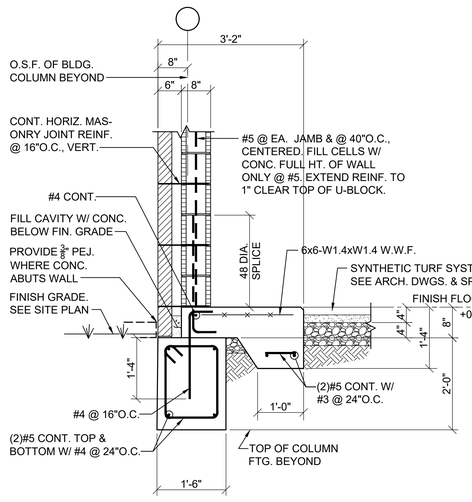
JOB NO. 25-111
SHEET NO:
S1.3

0 1" 2"

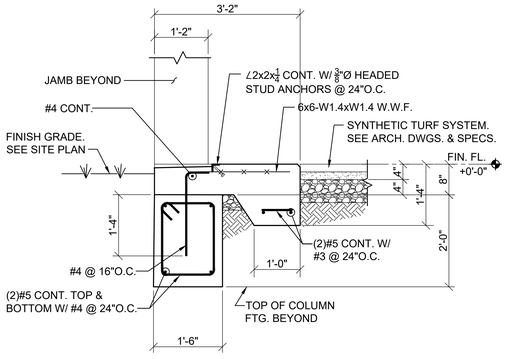
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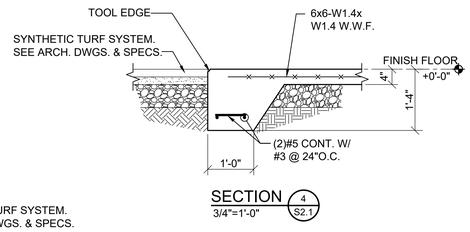
SECTION 1 — 3/4"=1'-0" — S2.1



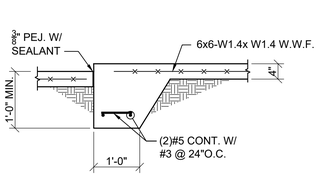
SECTION 2 — 3/4"=1'-0" — S2.1



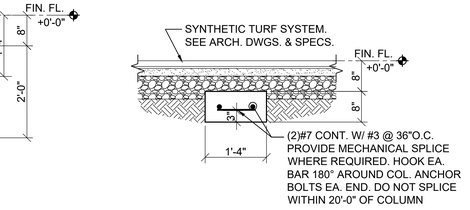
SECTION 3 — 3/4"=1'-0" — S2.1



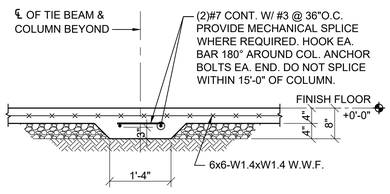
SECTION 4 — 3/4"=1'-0" — S2.1



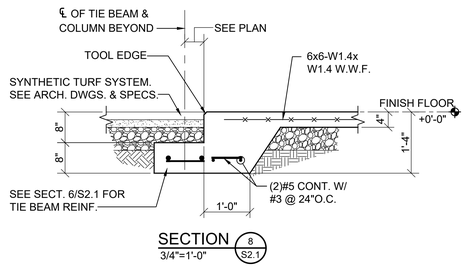
SECTION 5 — 3/4"=1'-0" — S2.1



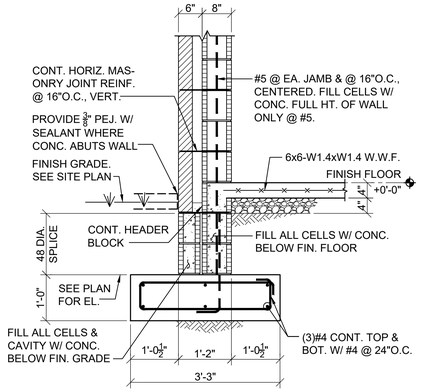
SECTION 6 — 3/4"=1'-0" — S2.1



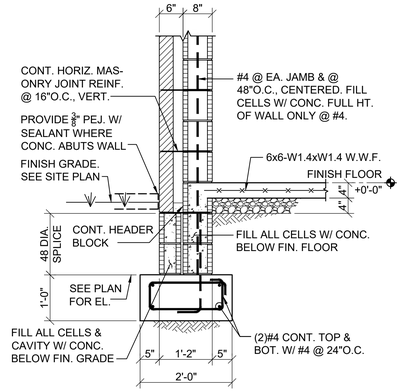
SECTION 7 — 3/4"=1'-0" — S2.1



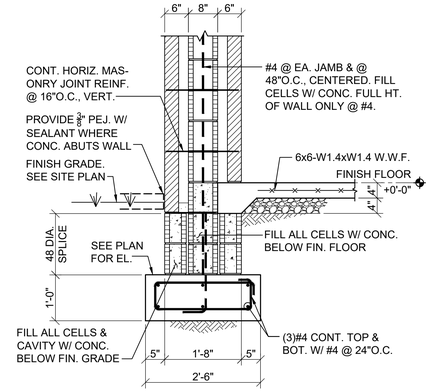
SECTION 8 — 3/4"=1'-0" — S2.1



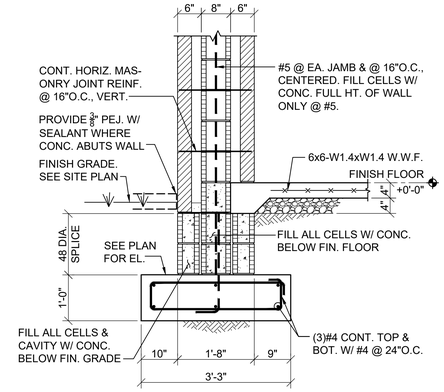
SECTION 9 — 3/4"=1'-0" — S2.1



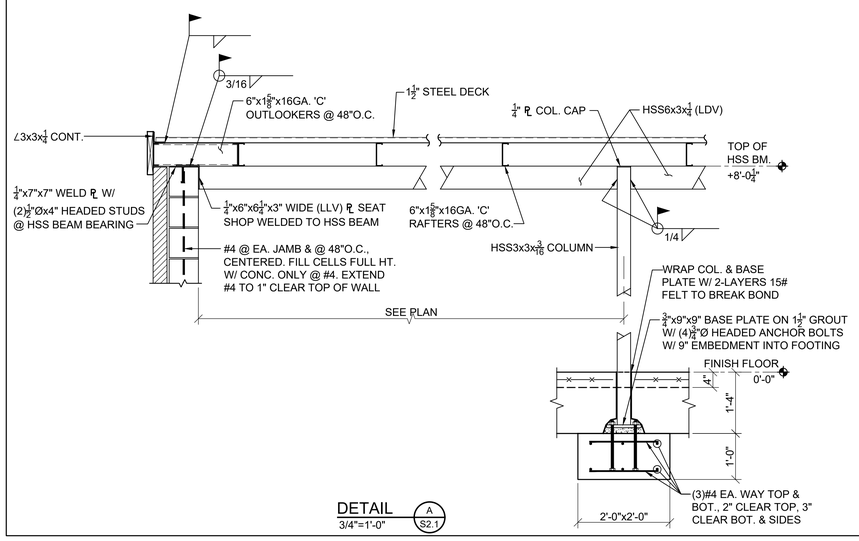
SECTION 10 — 3/4"=1'-0" — S2.1



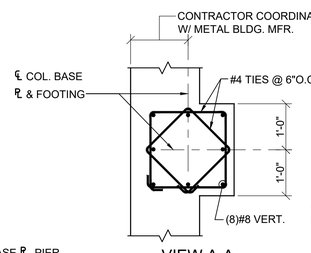
SECTION 11 — 3/4"=1'-0" — S2.1



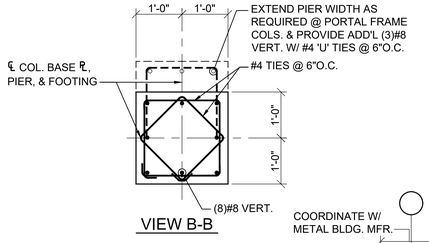
SECTION 12 — 3/4"=1'-0" — S2.1



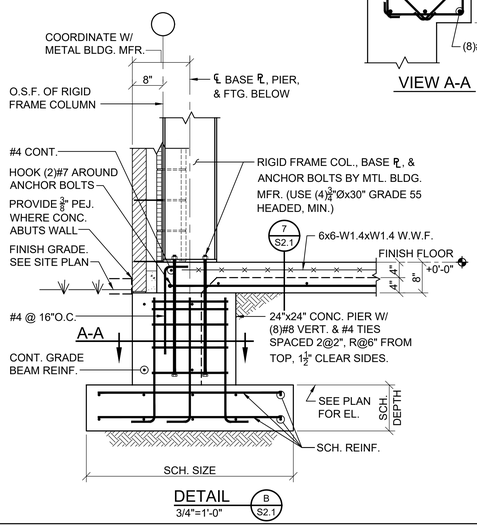
DETAIL A — 3/4"=1'-0" — S2.1



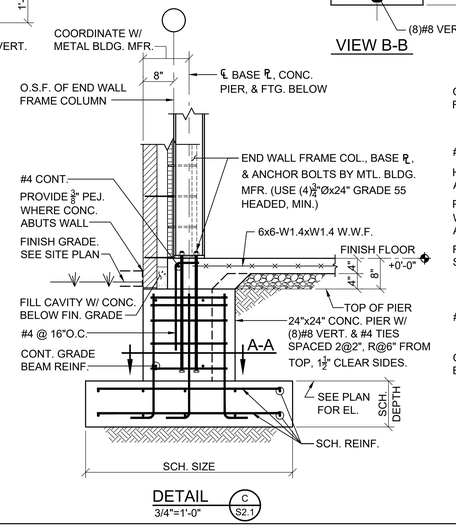
VIEW A-A



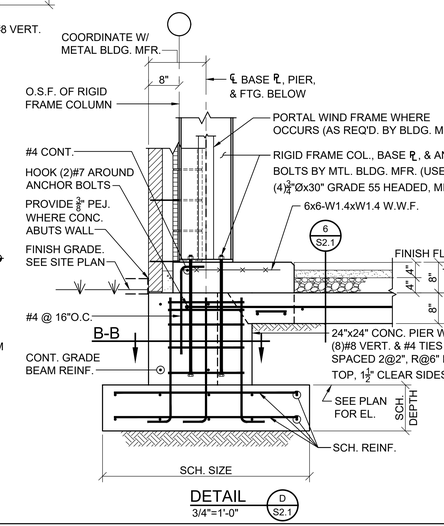
VIEW B-B



DETAIL B — 3/4"=1'-0" — S2.1



DETAIL C — 3/4"=1'-0" — S2.1



DETAIL D — 3/4"=1'-0" — S2.1

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED NO. 22214 PROFESSIONAL ENGINEER R. MARK CASEY 04-24-26

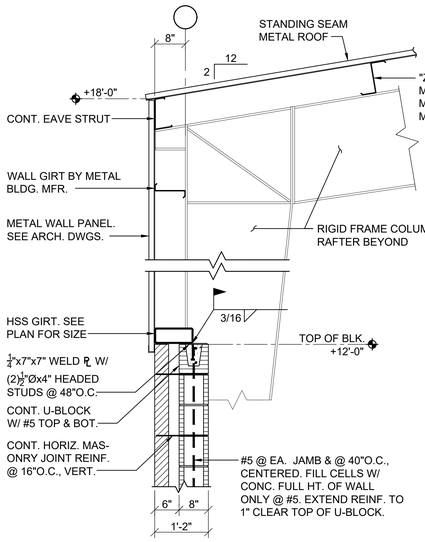
SHEET TITLE: SECTIONS AND DETAILS

PROJ. MGR.: RMO
DRAWN: R. Casey
DATE: 04.24.2026
REVISIONS

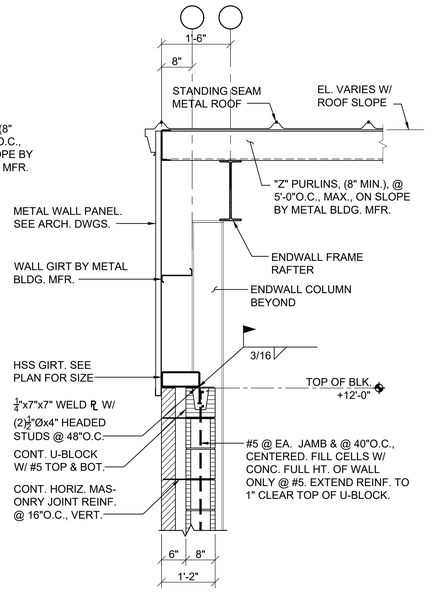
JOB NO. 25-111
SHEET NO: S2.1

0 1" 2"

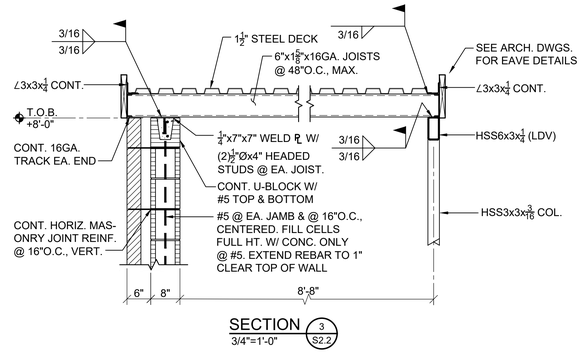
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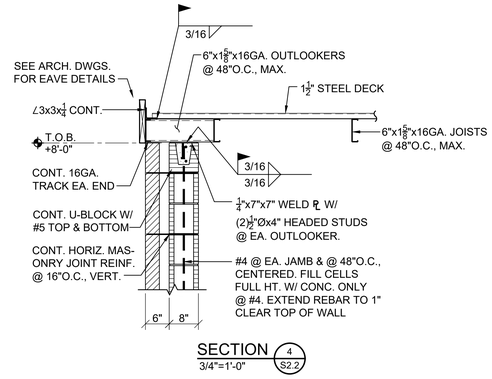
SECTION 1 S2.2
3/4"=1'-0"



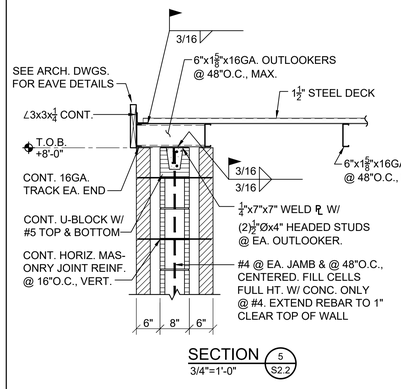
SECTION 2 S2.2
3/4"=1'-0"



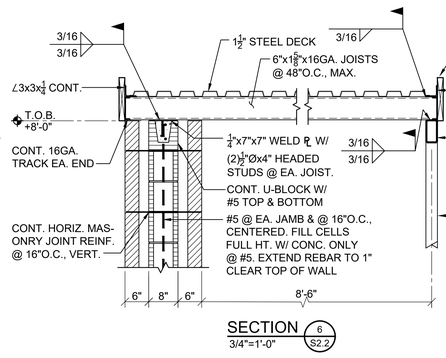
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3/4"=1'-0"



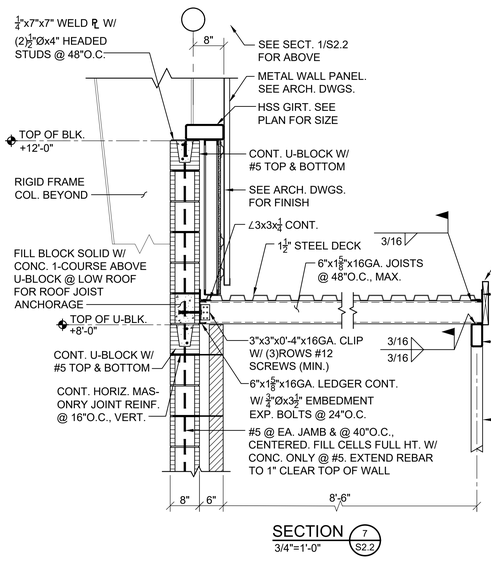
SECTION 4 S2.2
3/4"=1'-0"



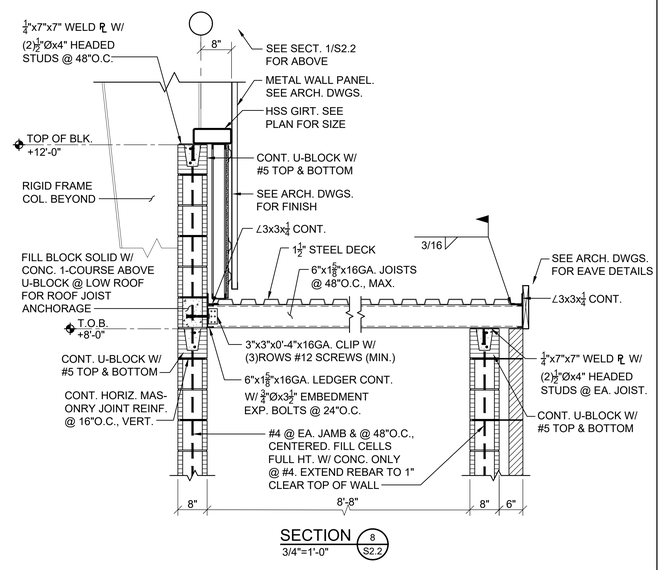
SECTION 5 S2.2
3/4"=1'-0"



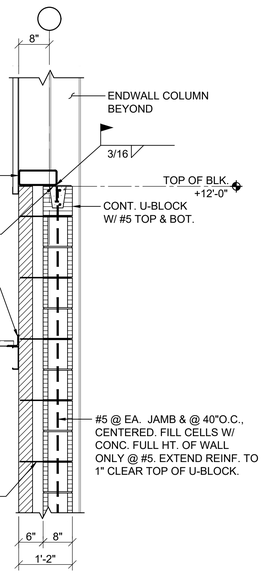
SECTION 6 S2.2
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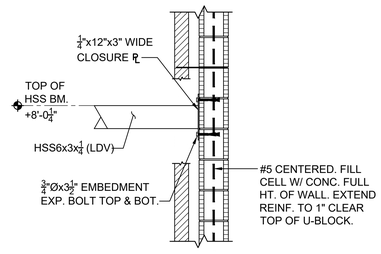
SECTION 7 S2.2
3/4"=1'-0"



SECTION 8 S2.2
3/4"=1'-0"



SECTION 9 S2.2
3/4"=1'-0"



DETAIL A S2.2
3/4"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED NO. 22214 PROFESSIONAL ENGINEER R. MARK OLIVER
04-24-26

SHEET TITLE:
SECTIONS AND DETAILS

PROJ. MGR.: RMO
DRAWN: R. Casey
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
S2.2

0 1" 2"

- S:\MCKEE\Gulf Shores Sportsplex Fieldhouse and Dugouts\S-Gulf Shores Sportsplex - Sections.dwg
- Friday, April 24, 2026 10:50:28 AM

NEW BASEBALL FIELDHOUSE

NEW VISITOR DUGOUT

NEW SOFTBALL FIELDHOUSE

NEW SOCCER LOCKER ROOM

NEW SOCCER LOCKER ROOM

NEW VISITOR DUGOUT

SITE PLAN
1"=20'

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
SITE PLAN

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
A0

0 1" 2"

- Tuesday, May 12, 2026 2:18:22 PM

SPECIALTIES LEGEND

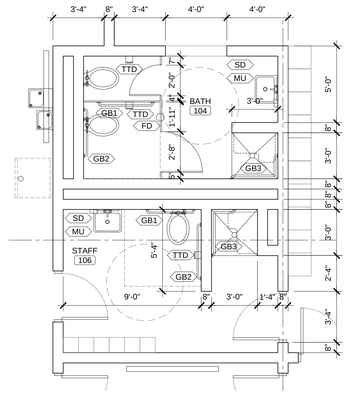
KEYNOTE	DESCRIPTION
TTD	TOILET TISSUE DISPENSER -FURNISHED BY OWNER-INSTALLED BY THE CONTRACTOR
PTD	PAPER TOWEL DISPENSER -FURNISHED BY OWNER-INSTALLED BY THE CONTRACTOR
SD	SOAP DISPENSER -FURNISHED BY OWNER-INSTALLED BY THE CONTRACTOR
GB1	36" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 6" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF
GB2	42" GRAB BAR MOUNTED WHERE CENTERLINE OF WALL MOUNT IS 12" OUT FROM CORNER OF WALL / TOILET PARTITION AND IS TO BE 33"-36" AFF
GB3	CORNER GRAB BAR AND IS TO BE 33"-36" AFF (SEE SPECS)
MU	18" X 36" MIRROR UNIT W/ SHELF TO BE MOUNTED WITH THE BOTTOM EDGE 35" AFF AND THE TOP EDGE 71" AFF

FLOOR PLAN SYMBOLS

SYMBOL	DESCRIPTION
G---	SCHEDULED DOOR AND FRAME
-	SCHEDULED WINDOW UNIT
CORRIDOR A---	SCHEDULED ROOM NAME AND NUMBER
- AX.X	SECTION / DETAIL SYMBOL
- AX.X	BUILDING SECTION SYMBOL
P-	PARTITION TYPES

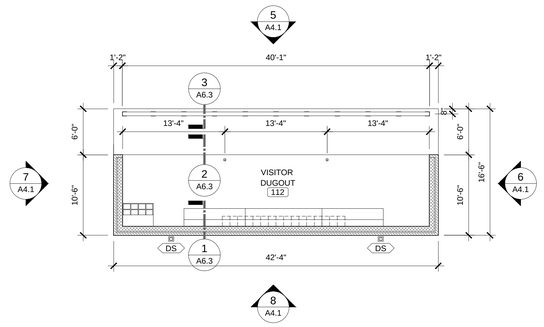
FLOOR PLAN KEYS

MARK	DESCRIPTION
EWC	ELECTRIC WATER COOLER
FEC	FIRE EXTINGUISHER CABINET
PU	PACKAGE UNIT (SEE MECHANICAL)
CP	COLUMN PADDING
CEP	CONCRETE EQUIPMENT PAD
FD	FLOOR DRAIN



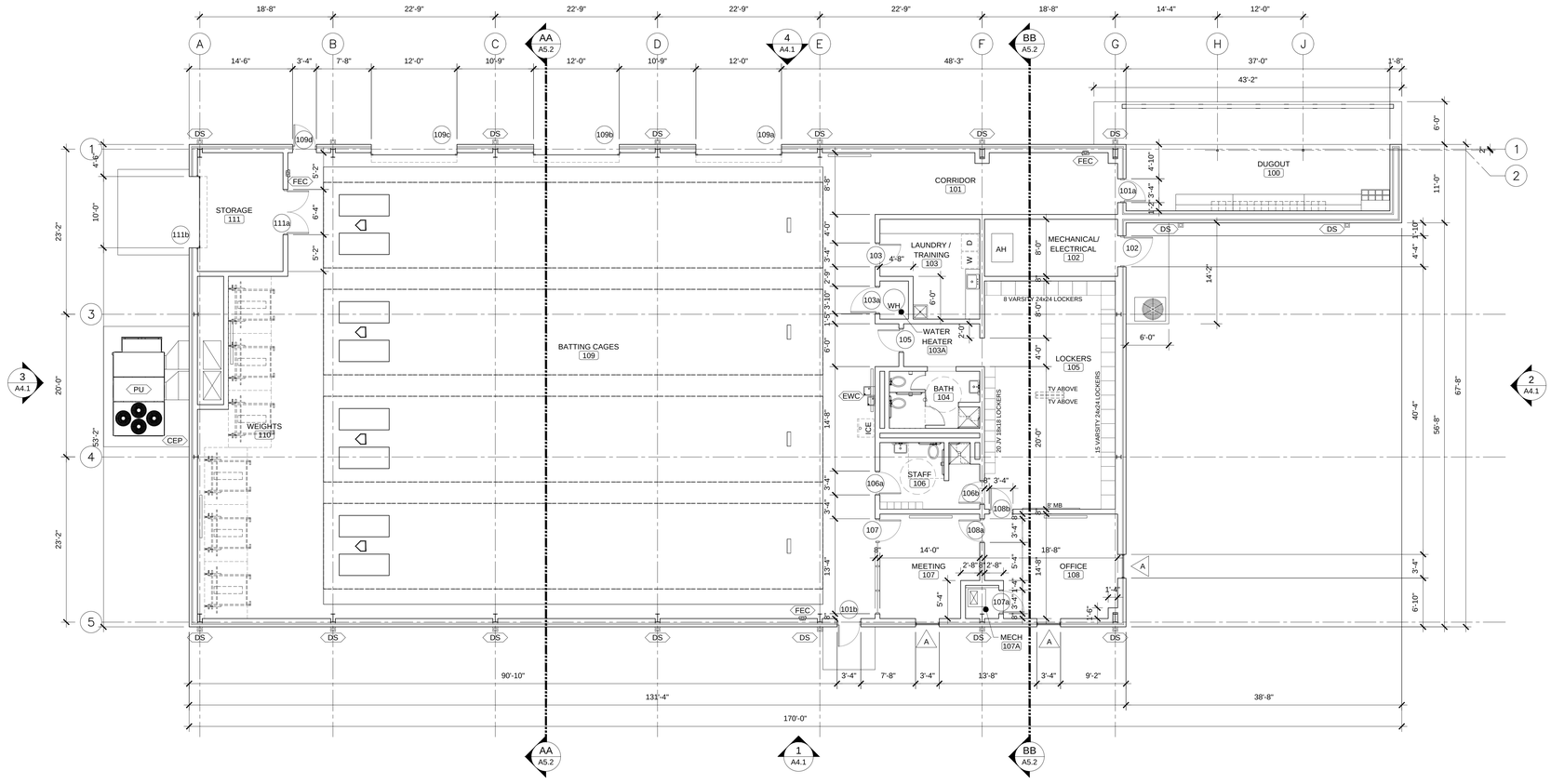
PROJECT NORTH

LARGE SCALE FLOOR PLAN
1/4"=1'-0"



PROJECT NORTH

FLOOR PLAN - BASEBALL VISITOR DUGOUT
1/8"=1'-0"



PROJECT NORTH

FLOOR PLAN - BASEBALL FIELDHOUSE
1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA



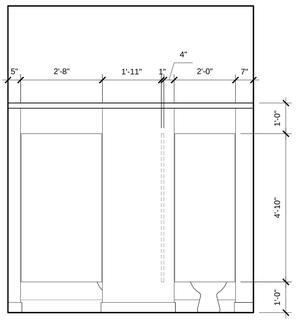
SHEET TITLE:
BASEBALL
FLOOR PLANS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

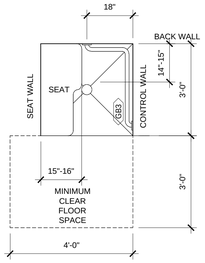
JOB NO. 25-111
SHEET NO:
A1.1

0 1" 2"

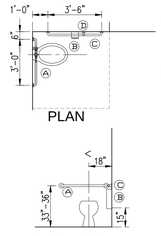
- Sunday, May 17, 2026 8:10:43 PM



1 TOILET PARTITION ELEVATIONS
SCALE: 1/2"=1'-0"



2 ACCESSIBLE SHOWER PLAN
SCALE: 1/2"=1'-0"



KEY NOTES

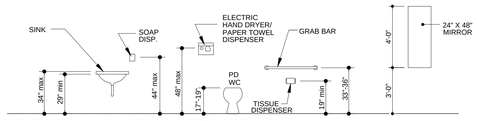
A. HORIZONTAL REAR WALL GRAB BAR SHALL BE 36" LONG MINIMUM, LOCATED 6" MAXIMUM FROM SIDE WALL.

B. TOILET PAPER DISPENSER SHALL BE INSTALLED BELOW THE HORIZONTAL GRAB BAR 36" MAXIMUM FROM WALL TO OUTERMOST EDGE. DISPENSER OUTLET TO BE LOCATED 19" MINIMUM ABOVE FLOOR WITH 2" MINIMUM CLEAR BETWEEN TOP OF DISPENSER AND HORIZONTAL GRAB BAR.

C. A HORIZONTAL SIDE WALL GRAB BAR 42" LONG MINIMUM, LOCATED 12" MAX. FROM REAR WALL AND EXTENDING 54" MINIMUM FROM REAR WALL.

D. A VERTICAL SIDE WALL GRAB BAR 18" LONG MINIMUM, LOCATED FROM RE- FROM REAR WALL MINIMUM 39" TO 41" M LOCATE BOTTOM OF BAR 39" MINIMUM A FROM FINISH FLOOR

PHYSICALLY DISABLED ACCESSIBLE WATER CLOSET
SCALE: 1/4" = 1'-0"



TYPICAL MOUNTING HEIGHTS
SCALE: 1/4" = 1'-0"

ACCESSIBLE SHOWER

1. A FOLDING SEAT SHALL BE PROVIDED IN EACH ACCESSIBLE SHOWER STALL AND SHALL BE MOUNTED 17"-19" FROM THE SHOWER FLOOR AND SHALL EXTEND THE FULL DEPTH OF THE SHOWER STALL (SEE SPECS.) SEAT SHALL BE MOUNTED SECURELY AND SHALL NOT SLIP DURING USE.
2. A SHOWER SPRAY UNIT WITH A HOSE AT LEAST 60" LONG THAT CAN BE USED AS A FIXED SHOWER HEAD OR AS A HAND-HELD SHOWER SHALL BE PROVIDED (SEE SPECS.)
3. ALL CONTROLS, SHOWER HEADS ETC SHALL BE LOCATED ON OPPOSITE WALL FROM SHOWER SEAT (SEE ELEVATIONS FOR MOUNTING HEIGHTS)

SPECIALTIES LEGEND

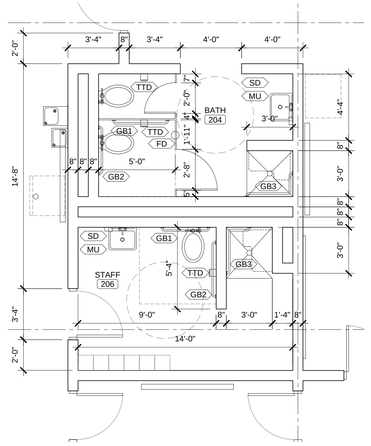
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MU	18" X 36" MIRROR UNIT W/ SHELF TO BE MOUNTED WITH THE BOTTOM EDGE 35" AFF AND THE TOP EDGE 71" AFF

FLOOR PLAN SYMBOLS

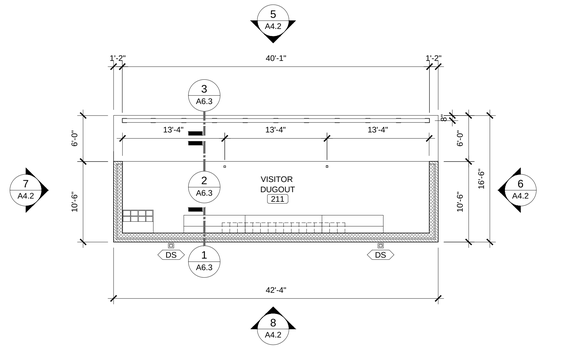
SYMBOL	DESCRIPTION
G---	SCHEDULED DOOR AND FRAME
-	SCHEDULED WINDOW UNIT
CORRIDOR A---	SCHEDULED ROOM NAME AND NUMBER
- AX.X	SECTION / DETAIL SYMBOL
- AX.X	BUILDING SECTION SYMBOL
P-	PARTITION TYPES

FLOOR PLAN KEYS

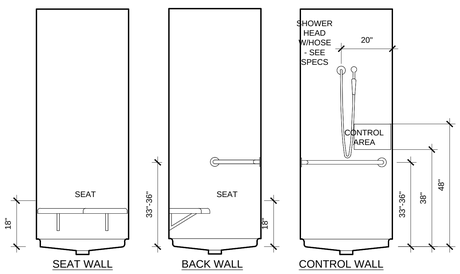
MARK	DESCRIPTION
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FEC	FIRE EXTINGUISHER CABINET
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CP	COLUMN PADDING
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FD	FLOOR DRAIN



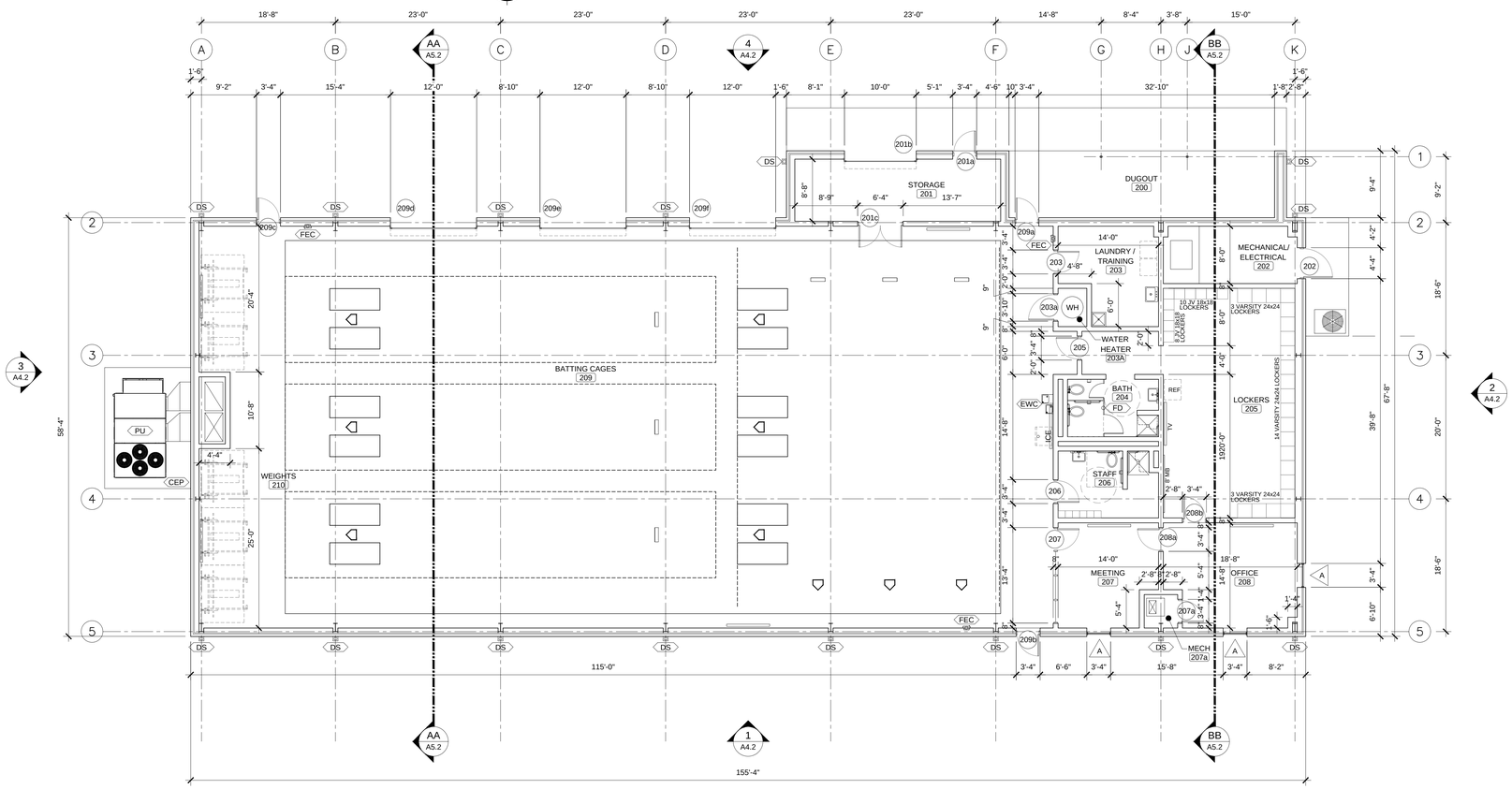
LARGE SCALE FLOOR PLAN
1/4"=1'-0"



FLOOR PLAN - SOFTBALL VISITOR DUGOUT
1/8"=1'-0"



3 ACCESSIBLE SHOWER ELEVATIONS
SCALE: 1/2"=1'-0"



FLOOR PLAN - SOFTBALL FIELDHOUSE
1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

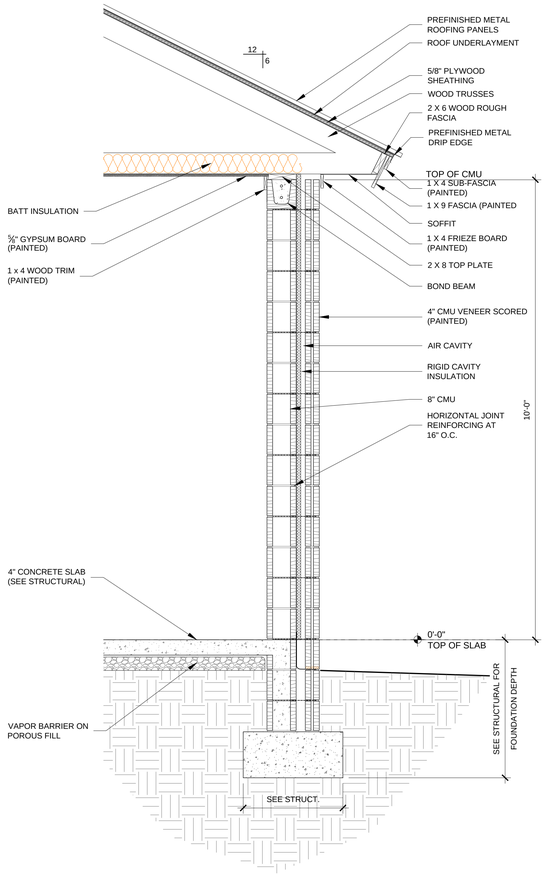
SHEET TITLE:
SOFTBALL
FLOOR PLANS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
A1.2

0 1" 2"

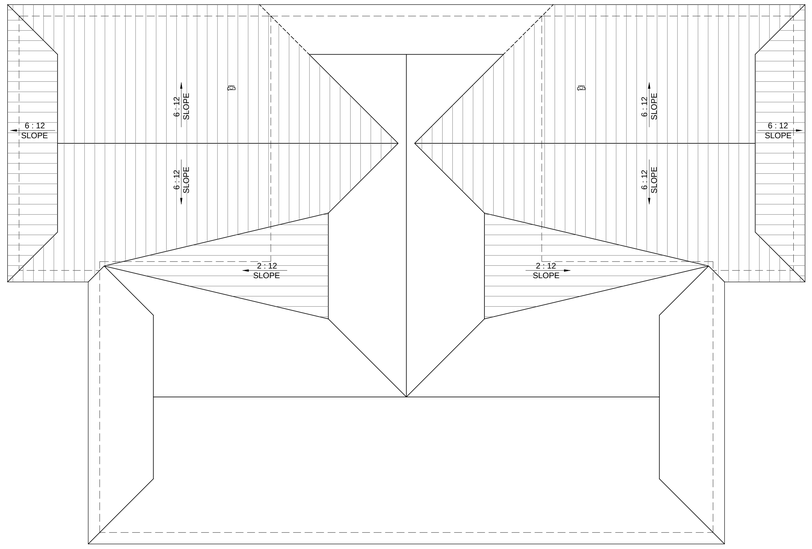
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1 WALL SECTION
SCALE: 3/4"=1'-0"

ROOF PLAN LEGEND

SYMBOL	DESCRIPTION
	METAL ROOF
RF	RIDGE FLASHING - NON VENTED
RFV	RIDGE FLASHING - VENTED
HR	HIP RIDGE FLASHING



PROJECT NORTH

ROOF PLAN - FOOTBALL / SOCCER FIELDHOUSE
1/8"=1'-0"

FLOOR PLAN SYMBOLS

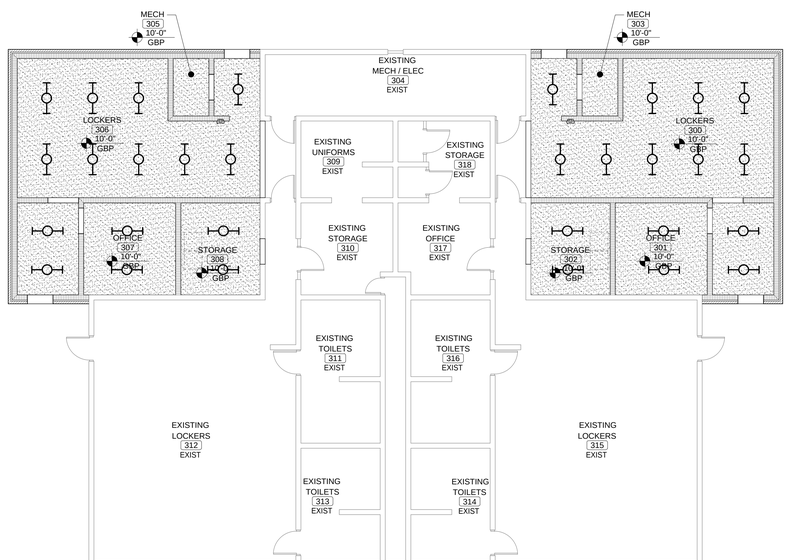
SYMBOL	DESCRIPTION
G---	SCHEDULED DOOR AND FRAME
-	SCHEDULED WINDOW UNIT
CORRIDOR A---	SCHEDULED ROOM NAME AND NUMBER
- AX.X	SECTION / DETAIL SYMBOL
- AX.X	BUILDING SECTION SYMBOL
P-	PARTITION TYPES

FLOOR PLAN KEYS

MARK	DESCRIPTION
?	?

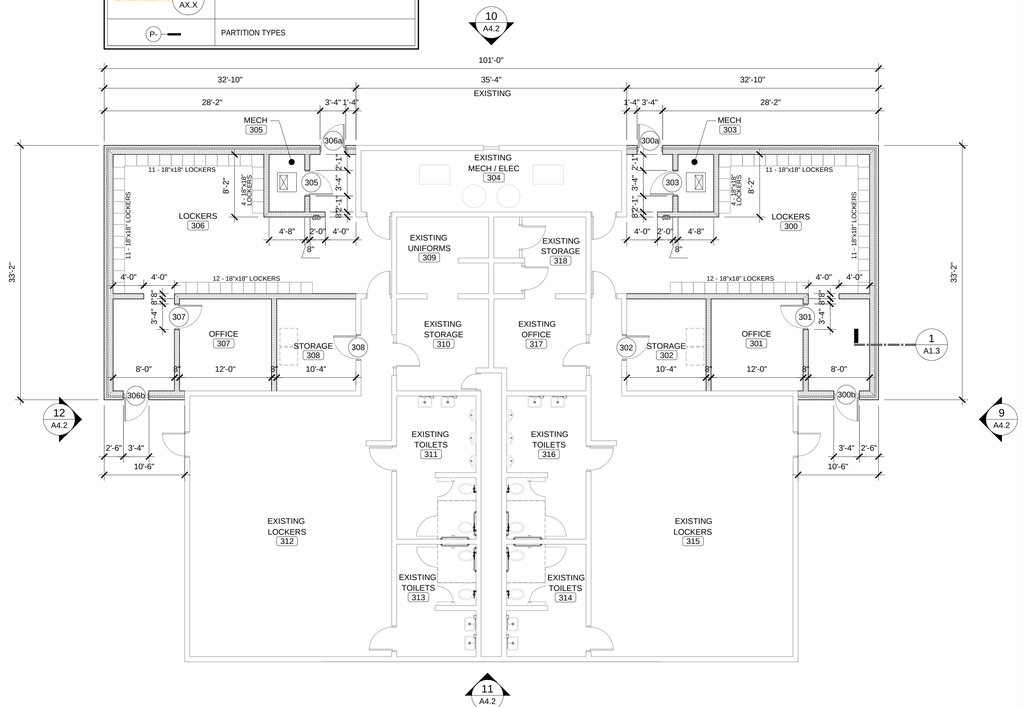
REFLECTED CEILING PLAN LEGEND

CODE	DESCRIPTION
10'-0" GBP	HEIGHT A.F.F. MATERIAL
GBP	GYPSUM BOARD - PAINT
EXIST	EXISTING CEILING TO REMAIN



PROJECT NORTH

REFLECTED CEILING PLAN - FOOTBALL / SOCCER FIELDHOUSE
1/8"=1'-0"



PROJECT NORTH

FLOOR PLAN - FOOTBALL / SOCCER FIELDHOUSE
1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
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GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
SOCCER

FLOOR PLAN,
RCP,
ROOF PLAN

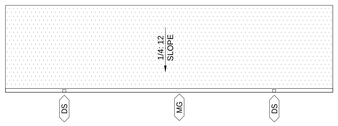
PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
A1.3

0 1" 2"

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- Thursday, May 14, 2026 12:22:11 PM

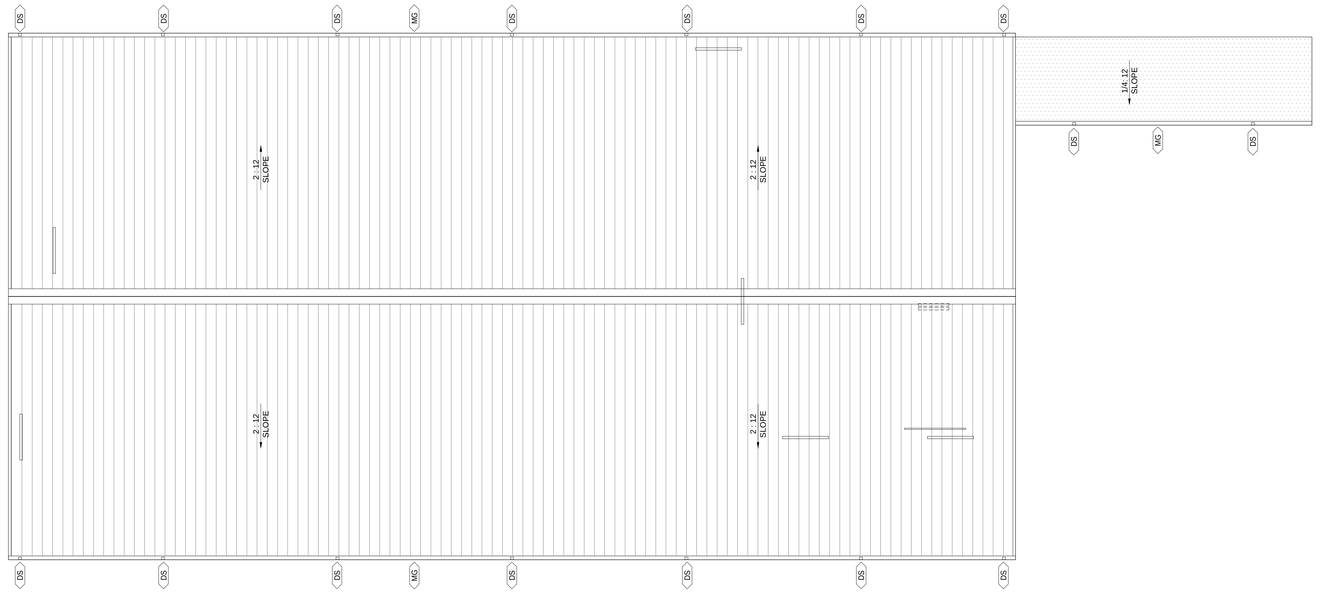
ROOF PLAN LEGEND	
KEYNOTE	DESCRIPTION
DS	METAL DOWNSPOUT
EFH	EXHAUST FAN HOOD
MF	METAL FASCIA
MG	METAL GUTTER
VRC	VENTED RIDGE CAP



PROJECT NORTH

ROOF PLAN - BASEBALL VISITOR DUGOUT

1/8"=1'-'0"

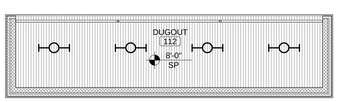


PROJECT NORTH

ROOF PLAN - BASEBALL FIELDHOUSE

1/8"=1'-'0"

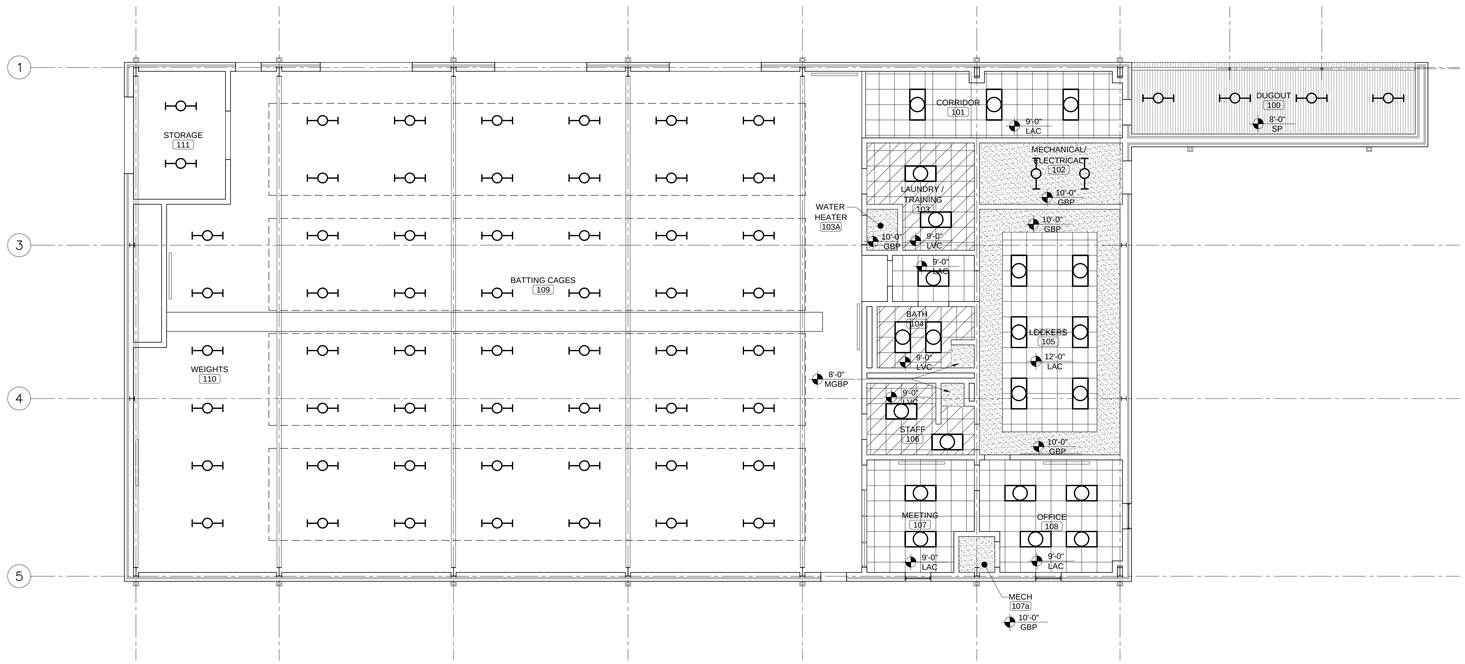
REFLECTED CEILING PLAN LEGEND	
CODE	DESCRIPTION
8'-0" GBP	HEIGHT A.F.F. MATERIAL
PWP	PLYWOOD - PAINT
GBP	GYPSUM BOARD - PAINT
LAC	2' X 2' LAY-IN ACOUSTICAL CEILING TILE W/ SMOOTH FACE
LVC	2' X 2' LAY-IN VINYL CLAD CEILING TILE
AAD	ATTIC ACCESS DOOR
SPV	METAL SOFFIT PANEL -VENTILATED
SP	METAL SOFFIT PANEL NON-VENTILATED



PROJECT NORTH

REFLECTED CEILING PLAN - BASEBALL VISITOR DUGOUT

1/8"=1'-'0"



PROJECT NORTH

REFLECTED CEILING PLAN - BASEBALL FIELDHOUSE

1/8"=1'-'0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
BASEBALL

REFLECTED CEILING PLAN, ROOF PLAN

PROJ. MGR.: JRB
DRAWN: JRB

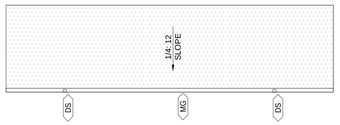
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
A2.1

0 1" 2"

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- Tuesday, May 12, 2026 9:10:38 AM

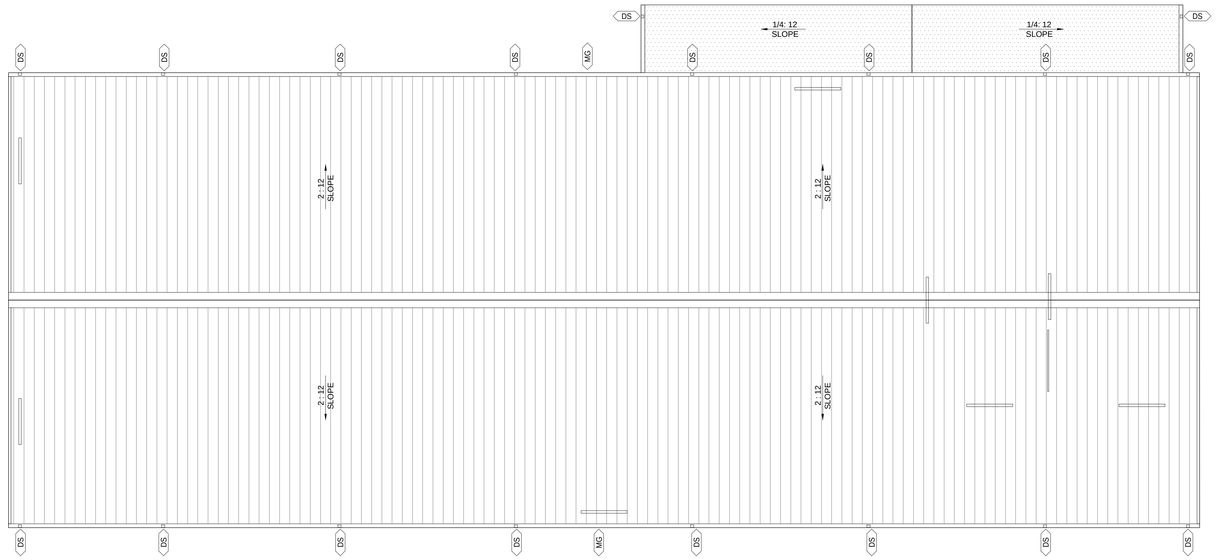
ROOF PLAN LEGEND	
KEYNOTE	DESCRIPTION
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EFH	EXHAUST FAN HOOD
MF	METAL FASCIA
MG	METAL GUTTER
VRC	VENTED RIDGE CAP



PROJECT NORTH

ROOF PLAN - SOFTBALL VISITOR DUGOUT

1/8"=1'-0"

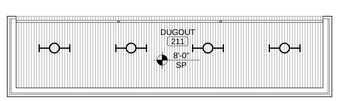


PROJECT NORTH

ROOF PLAN - SOFTBALL FIELDHOUSE

1/8"=1'-0"

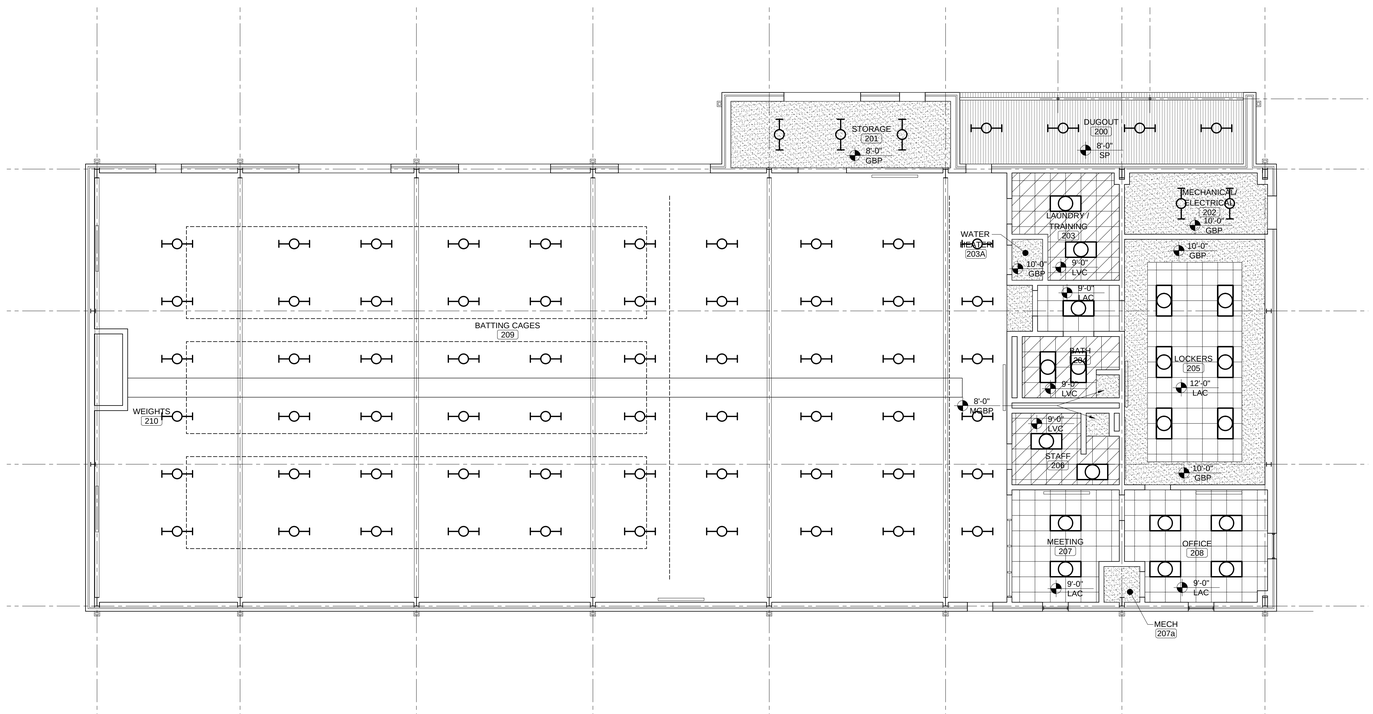
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PROJECT NORTH

REFLECTED CEILING PLAN - SOFTBALL VISITOR DUGOUT

1/8"=1'-0"



PROJECT NORTH

REFLECTED CEILING PLAN - SOFTBALL FIELDHOUSE

1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

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REGISTERED ARCHITECT

SHEET TITLE:
SOFTBALL

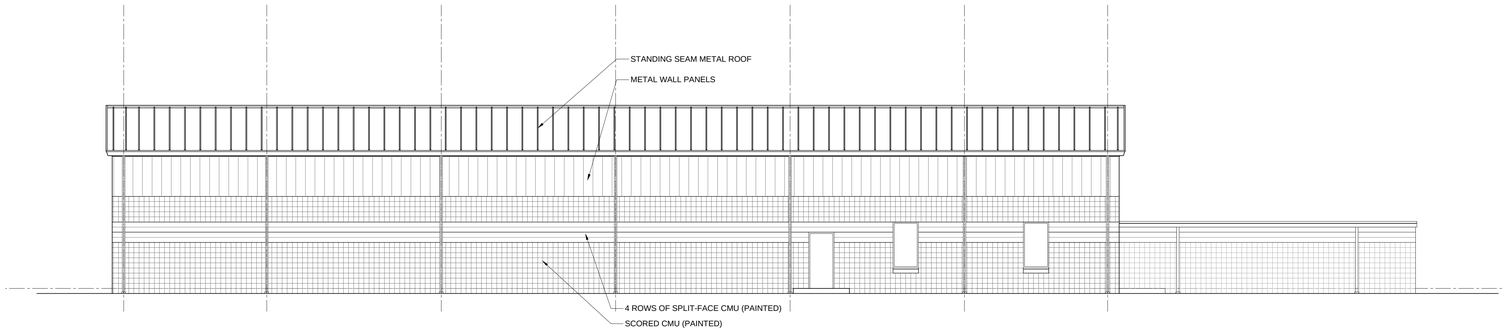
REFLECTED CEILING PLAN, ROOF PLAN

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

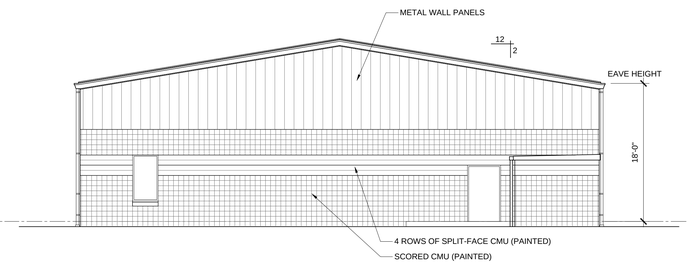
JOB NO. 25-111
SHEET NO:
A2.2

0 1" 2"

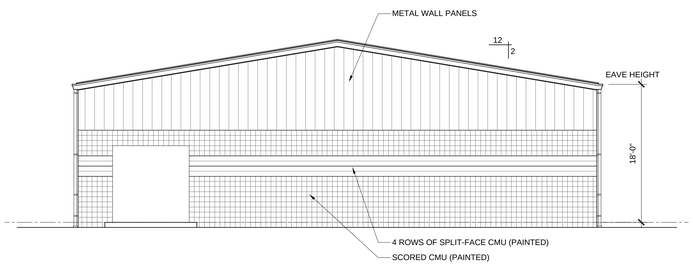
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- Tuesday, May 12, 2026 9:11:30 AM



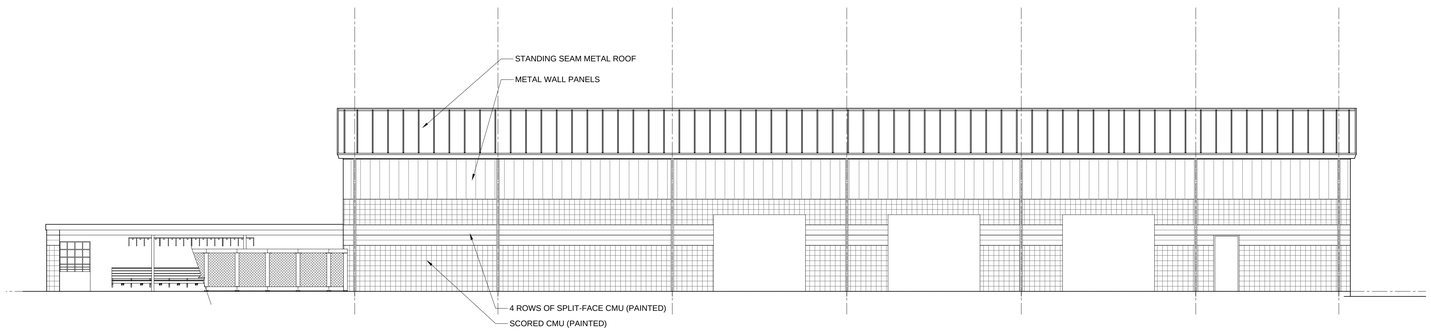
1 BASEBALL
WEST ELEVATION
SCALE: 1/8" = 1'-0"



2 BASEBALL
SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



3 BASEBALL
NORTH ELEVATION
SCALE: 1/8" = 1'-0"



4 BASEBALL
EAST ELEVATION
SCALE: 1/8" = 1'-0"



5 BASEBALL VISITOR
NORTH ELEVATION
SCALE: 1/8" = 1'-0"

6 BASEBALL VISITOR
EAST ELEVATION
SCALE: 1/8" = 1'-0"

7 BASEBALL VISITOR
WEST ELEVATION
SCALE: 1/8" = 1'-0"

8 BASEBALL VISITOR
SOUTH ELEVATION
SCALE: 1/8" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

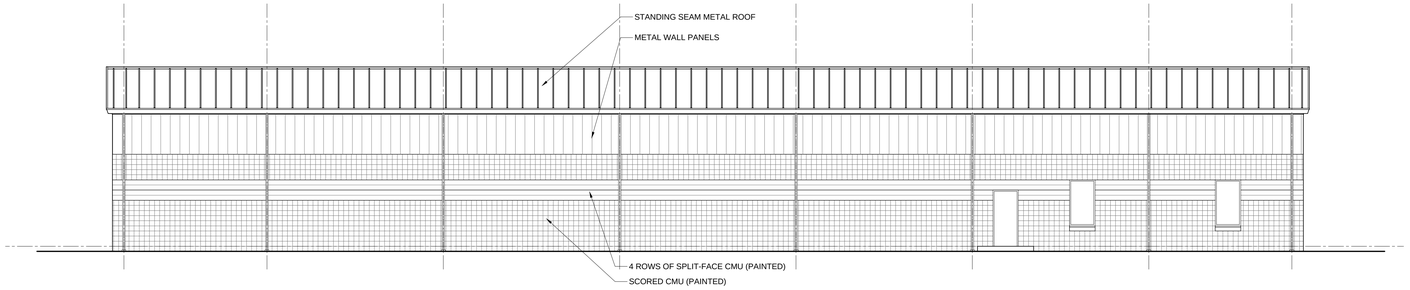
SHEET TITLE:
BASEBALL
ELEVATIONS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

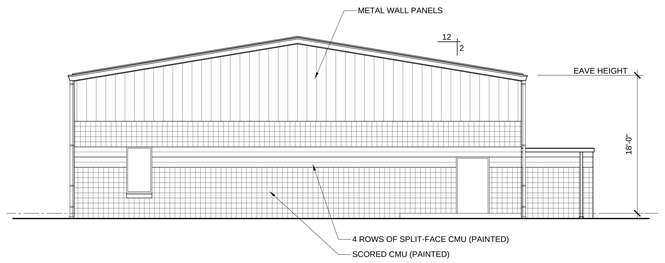
JOB NO. 25-111
SHEET NO:
A4.1

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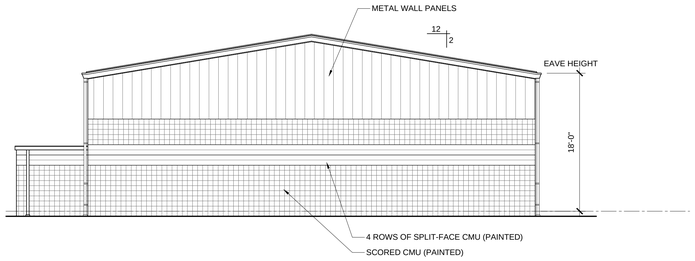
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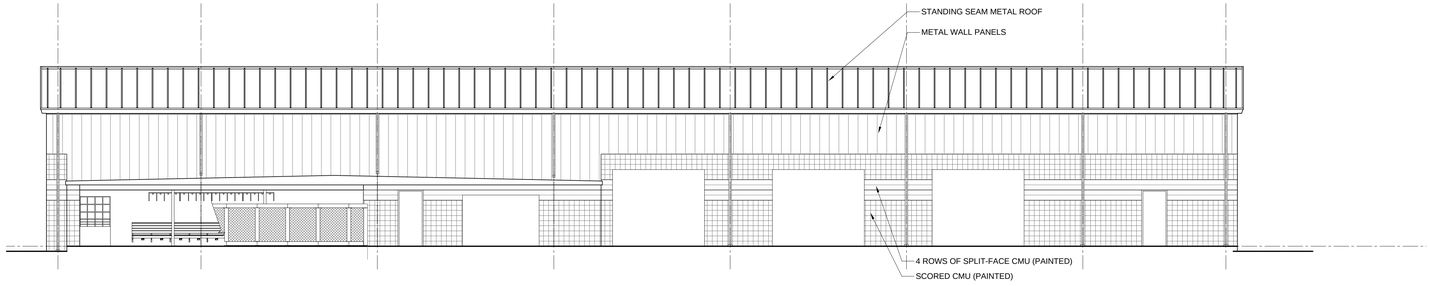
1 SOFTBALL SOUTH ELEVATION
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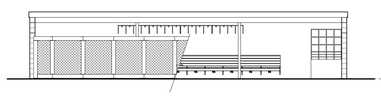
2 SOFTBALL EAST ELEVATION
SCALE: 1/8" = 1'-0"



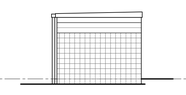
3 SOFTBALL WEST ELEVATION
SCALE: 1/8" = 1'-0"



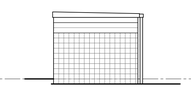
4 SOFTBALL NORTH ELEVATION
SCALE: 1/8" = 1'-0"



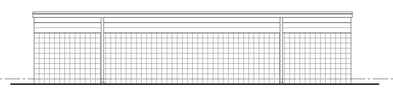
5 SOFTBALL VISITOR WEST ELEVATION
SCALE: 1/8" = 1'-0"



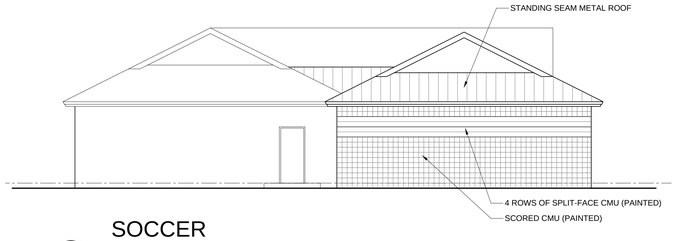
6 SOFTBALL VISITOR NORTH ELEVATION
SCALE: 1/8" = 1'-0"



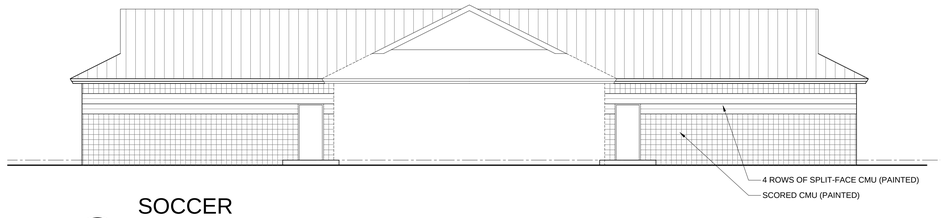
7 SOFTBALL VISITOR SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



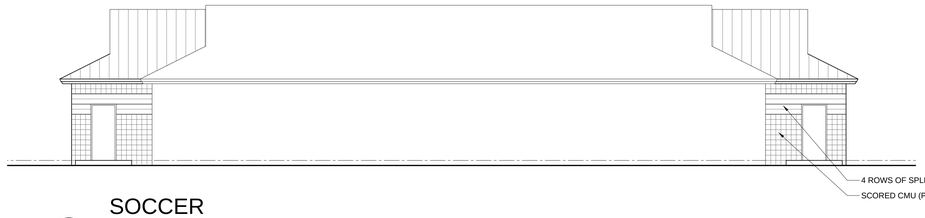
8 SOFTBALL VISITOR EAST ELEVATION
SCALE: 1/8" = 1'-0"



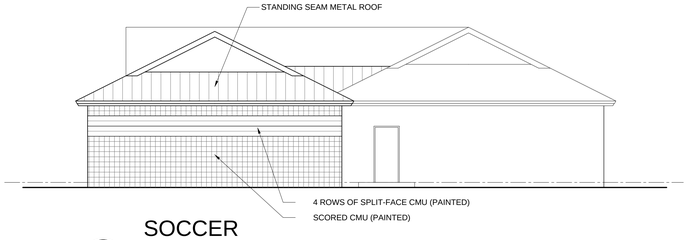
9 SOCCER EAST ELEVATION
SCALE: 1/8" = 1'-0"



10 SOCCER NORTH ELEVATION
SCALE: 1/8" = 1'-0"



11 SOCCER SOUTH ELEVATION
SCALE: 1/8" = 1'-0"



12 SOCCER WEST ELEVATION
SCALE: 1/8" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
SOFTBALL AND SOCCER

ELEVATIONS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

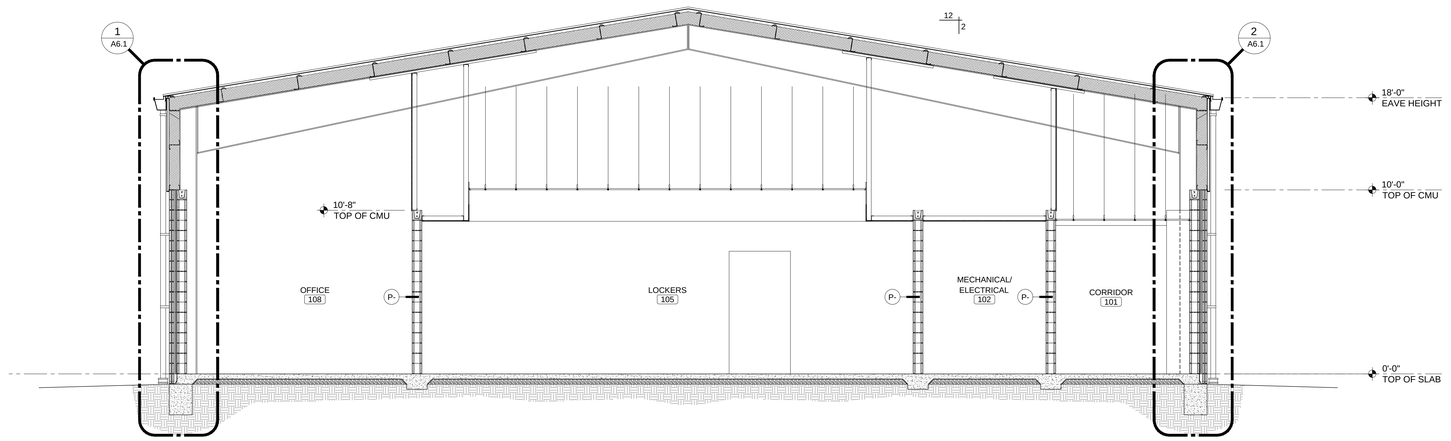
JOB NO. 25-111
SHEET NO:
A4.2

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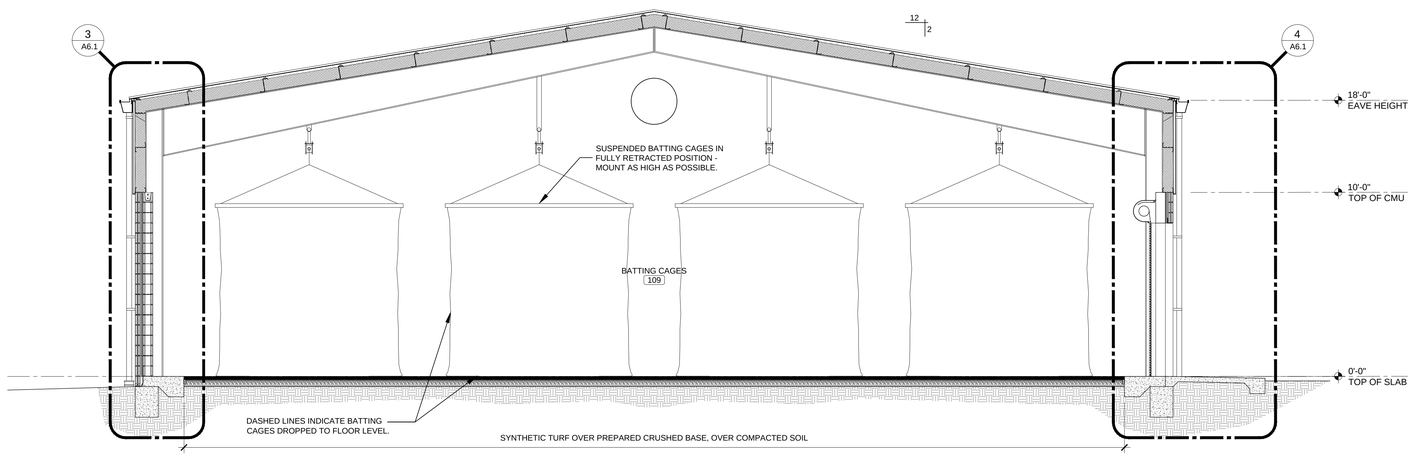
- Tuesday, May 12, 2026 9:13:27 AM

BUILDING SECTION LEGEND

SYMBOL	DESCRIPTION
AP	ACOUSTICAL WALL PANELS
CMUP	CONCRETE MASONRY UNIT - PAINT
ED	EXPOSED DUCTWORK - NO PAINT (FABRIC DUCT)
ESP	EXPOSED STRUCTURE - PAINT
GBP	GYPSUM BOARD - PAINT
MO	MASONRY OPENING
MLP	METAL LINER PANELS
WP	WALL PADS



BB **BUILDING SECTION**
SCALE: 1/4" = 1'-0"



AA **BUILDING SECTION**
SCALE: 1/4" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
BASEBALL
BUILDING SECTIONS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

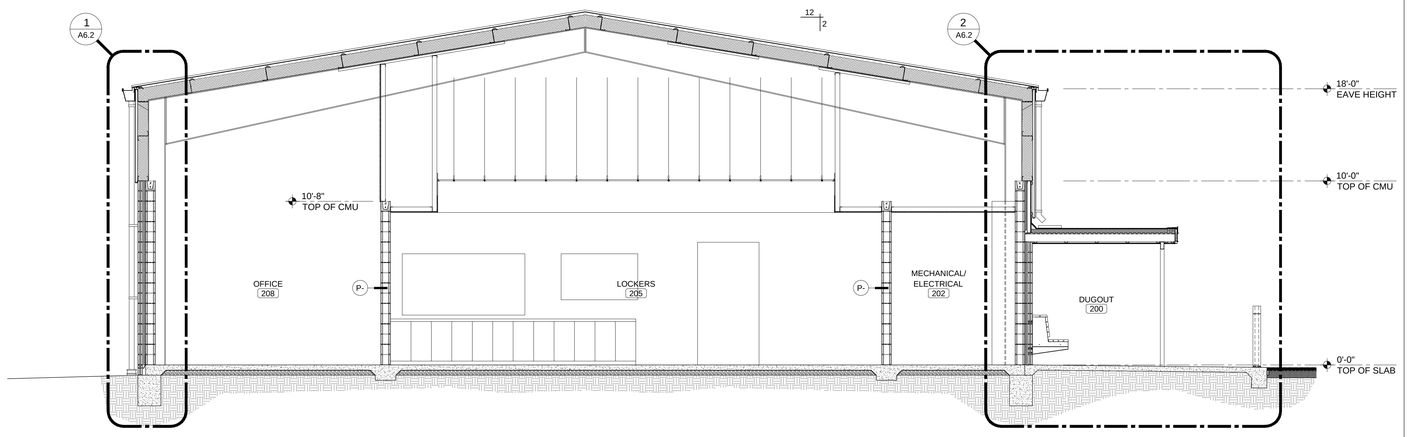
JOB NO. 25-111
SHEET NO:
A5.1

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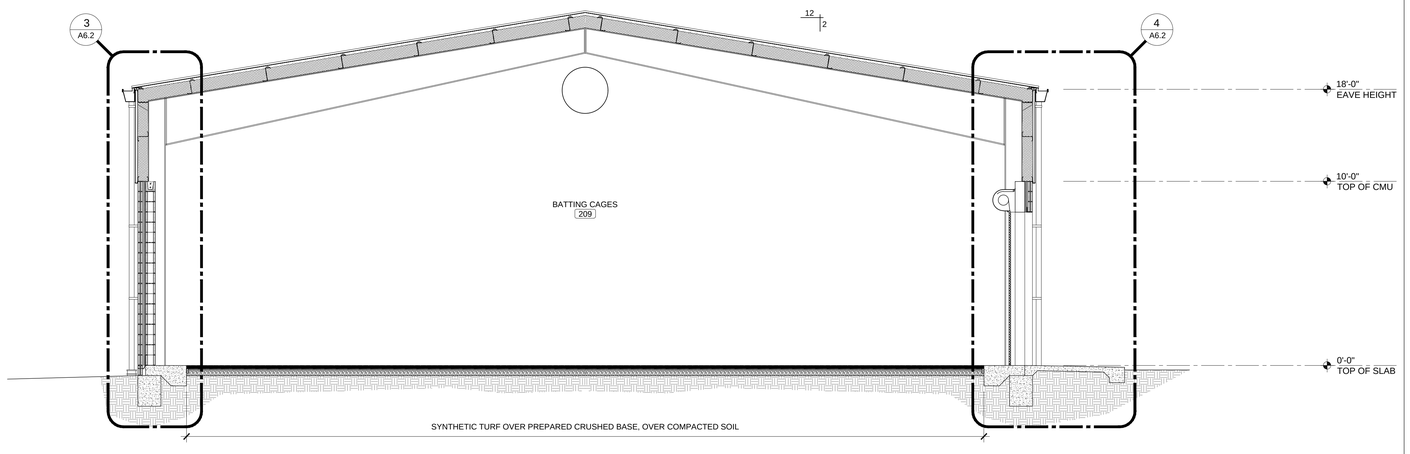
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- Tuesday, May 12, 2026 9:05:06 AM

BUILDING SECTION LEGEND

SYMBOL	DESCRIPTION
AP	ACOUSTICAL WALL PANELS
CMUP	CONCRETE MASONRY UNIT - PAINT
ED	EXPOSED DUCTWORK - NO PAINT (FABRIC DUCT)
ESP	EXPOSED STRUCTURE - PAINT
GBP	GYPSUM BOARD - PAINT
MO	MASONRY OPENING
MLP	METAL LINER PANELS
WP	WALL PADS



BB **BUILDING SECTION**
SCALE: 1/4" = 1'-0"



AA **BUILDING SECTION**
SCALE: 1/4" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
SOFTBALL
BUILDING SECTIONS

PROJ. MGR.:	JRB
DRAWN:	JRB
DATE:	04.24.2026
REVISIONS	

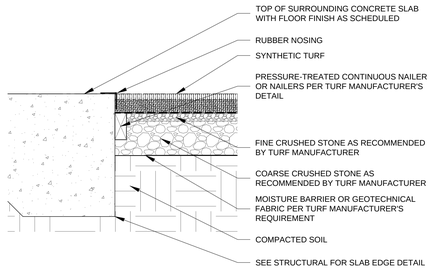
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SHEET NO:

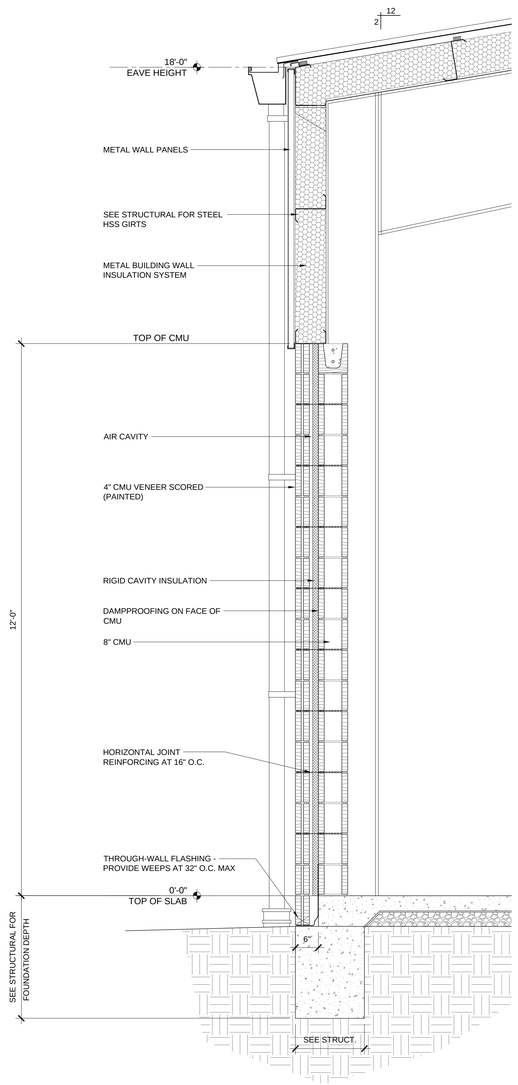
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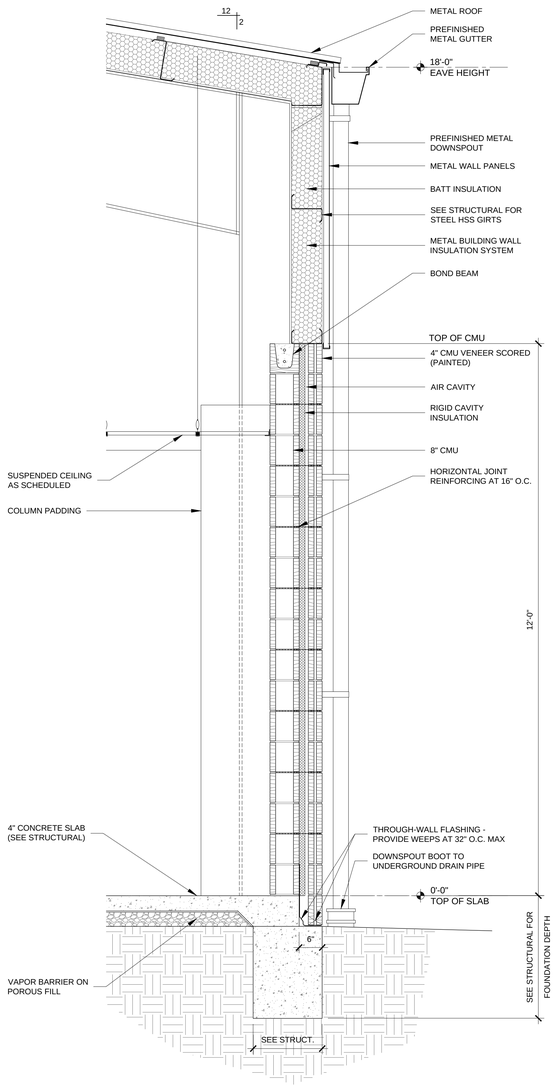
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- Tuesday, May 12, 2026 9:03:59 AM



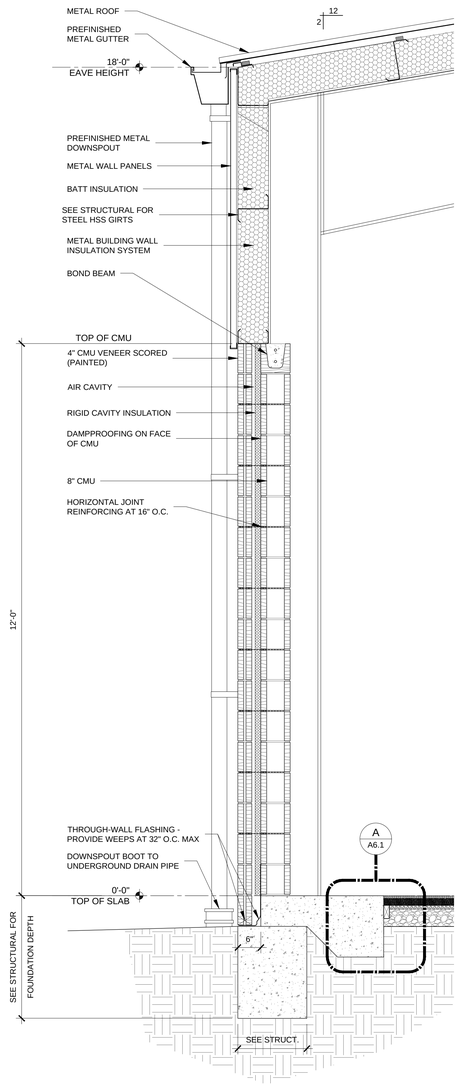
A TURF DETAIL AT EDGE
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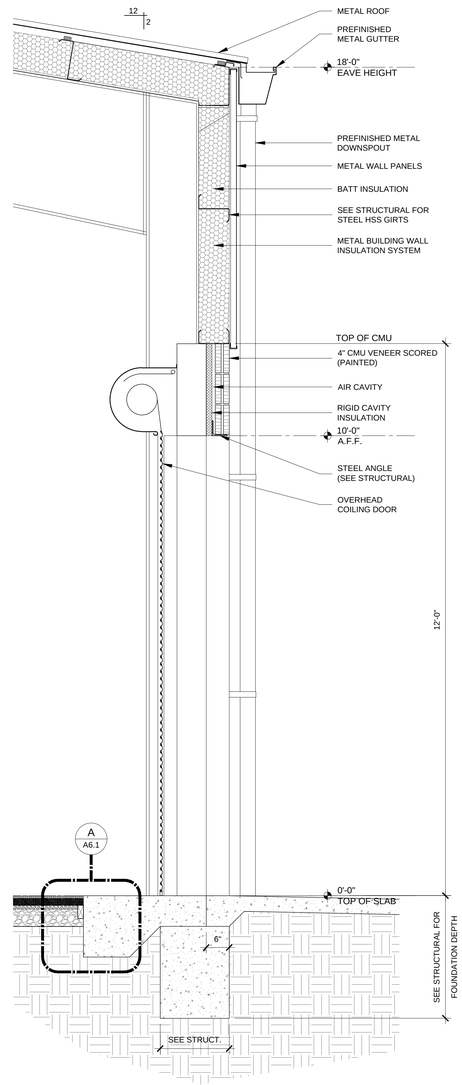
1 WALL SECTION
SCALE: 3/4"=1'-0"



2 WALL SECTION
SCALE: 3/4"=1'-0"



3 WALL SECTION
SCALE: 3/4"=1'-0"



4 WALL SECTION
SCALE: 3/4"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

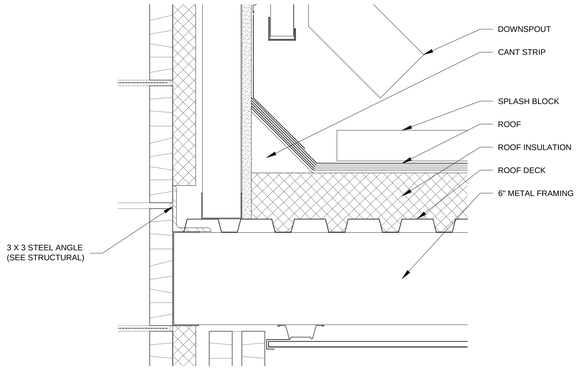
SHEET TITLE:
BASEBALL
WALL SECTIONS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

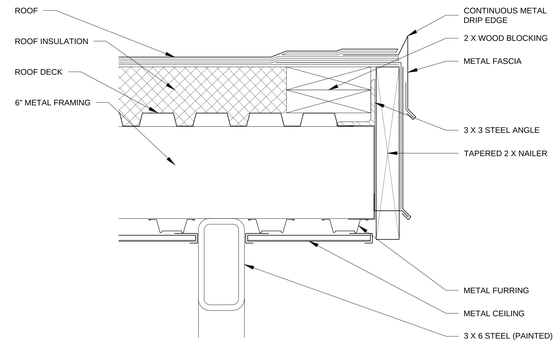
JOB NO. 25-111
SHEET NO:
A6.1

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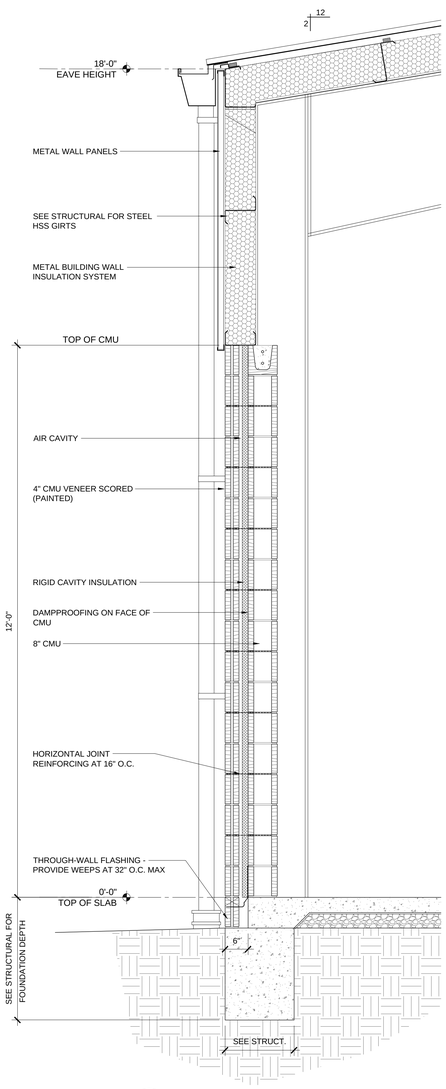
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- Tuesday, May 12, 2026 9:01:58 AM



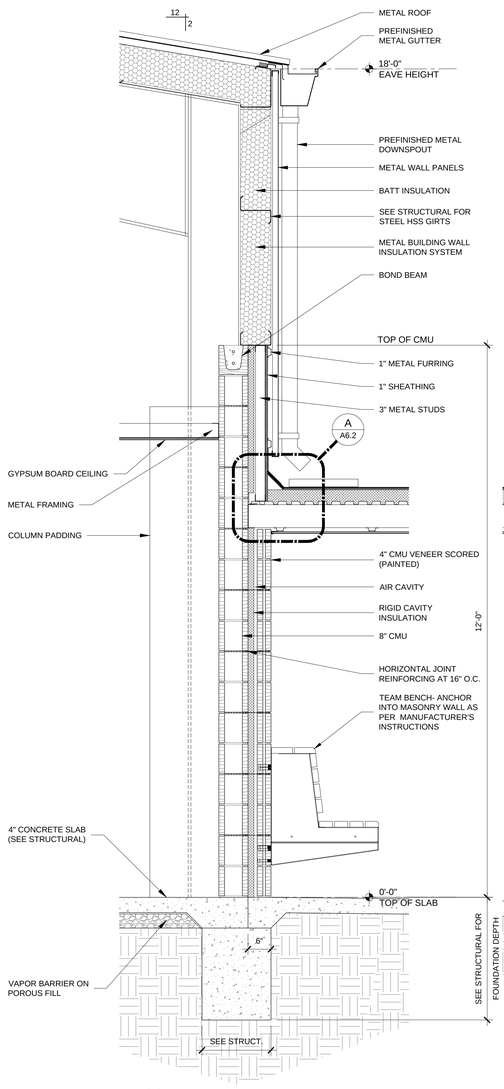
A ROOF TO WALL DETAIL
SCALE: 3"=1'-0"



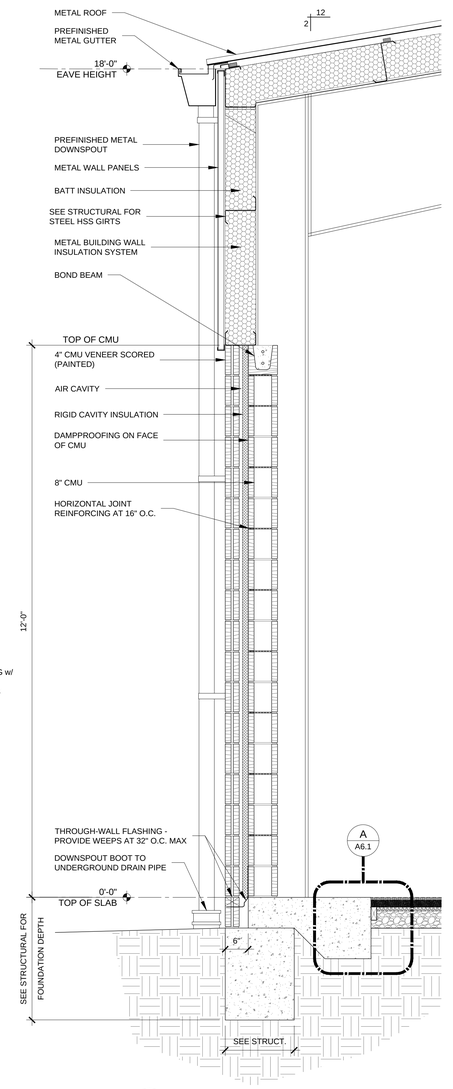
B ROOF TO WALL DETAIL
SCALE: 3"=1'-0"



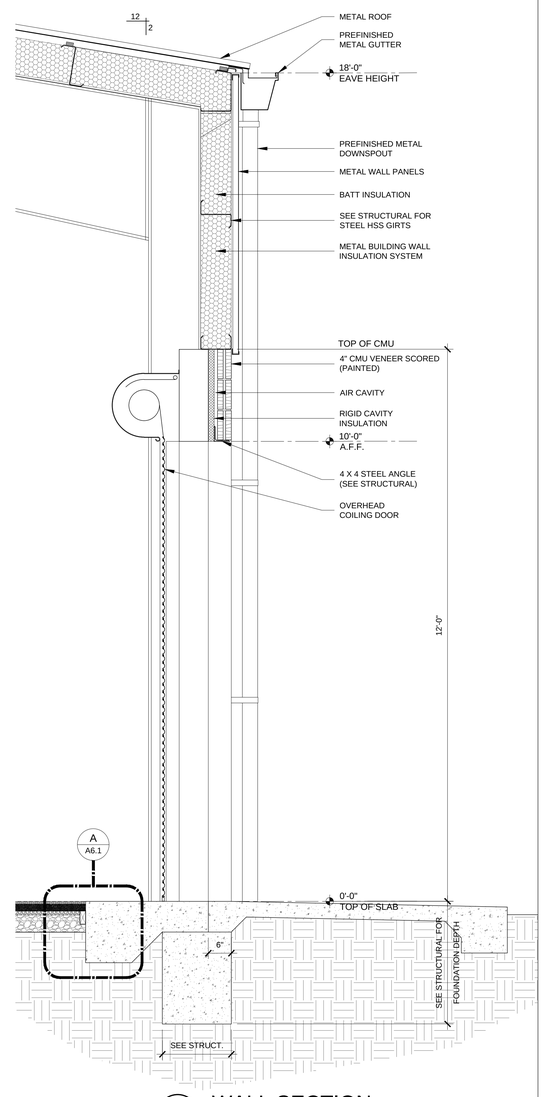
1 WALL SECTION
SCALE: 3/4"=1'-0"



2 WALL SECTION
SCALE: 3/4"=1'-0"



3 WALL SECTION
SCALE: 3/4"=1'-0"



4 WALL SECTION
SCALE: 3/4"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

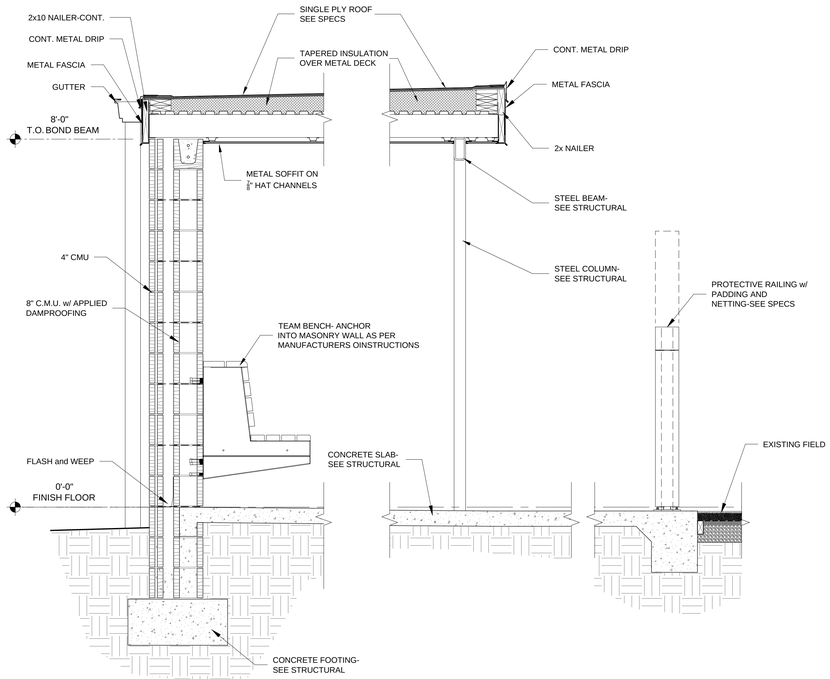
SHEET TITLE:
SOFTBALL
WALL SECTIONS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
A6.2

0 1" 2"

- Z:\2025\25-111 New Baseball and Softball Field House and Soccer Dressing Rooms for Gulf Shores HS\CAD Drawings\Architectural\A6.2 Softball Wall Sections.dwg
- Tuesday, May 12, 2026 8:57:42 AM



1 SECTION
SCALE: 3/4" = 1'-0"

2 SECTION
SCALE: 3/4" = 1'-0"

3 SECTION
SCALE: 3/4" = 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
VISITOR DUGOUT SECTIONS

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
A6.3

0 1" 2"

- Z:\2025\25-111 New Baseball and Softball Field House and Soccer Dressing Rooms for Gulf Shores HS\CAD Drawings\Architectural\A6.3 Sections.dwg
- Thursday, May 14, 2026 12:31:44 PM

DOOR SCHEDULE

DOOR #	WIDTH	HEIGHT	THICKNESS	MATERIALS	DOOR TYPE	DOOR FINISH	FRAME TYPE	FRAME FINISH	LABEL	DETAILS HEAD	DETAILS JAMB	SIGNAGE	REMARKS
BASEBALL													
101a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
101b	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
102	4'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			MECHANICAL ELECTRICAL	
103	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	20 MIN			LAUNDRY / TRAINING	
103a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			WATER HEATER	
105	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			LOCKER ROOM	
106a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			STAFF	
106b	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			STAFF	
107	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF2	FACTORY	---			COACH	
107a	3'-0"	5'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			MECHANICAL	
108	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			COACH	
109a	12'-0"	10'-0"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
109b	12'-0"	10'-0"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
109c	12'-0"	10'-0"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
109d	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
111a	PAIR 3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			STORAGE	
111b	10'-0"	10'-0"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
SOFTBALL													
201a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
201b	10'-0"	6'-8"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
201c	PAIR 3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			STORAGE	
202	4'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			MECHANICAL ELECTRICAL	
203	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	20 MIN			LAUNDRY / TRAINING	
203a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			WATER HEATER	
205	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			LOCKER ROOM	
206	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			STAFF	
207	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF2	FACTORY	---			COACH	
207a	3'-0"	5'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			MECHANICAL	
208a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			COACH	
208b	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			COACH	
209a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
209b	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
209c	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
209d	12'-0"	10'-0"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
209e	12'-0"	10'-0"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
209f	12'-0"	10'-0"	1 3/4"	COILING DOOR	B	FACTORY	---	FACTORY	---				
SOCCER													
300a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
300b	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
301	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			COACH	
302	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			LAUNDRY / STORAGE	
303	3'-0"	5'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			MECHANICAL	
305	3'-0"	5'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			MECHANICAL	
306a	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
306b	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---				
307	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			COACH	
308	3'-0"	7'-2"	1 3/4"	FRP	A	FACTORY	SF1	FACTORY	---			LAUNDRY / STORAGE	

ROOM FINISH SCHEDULE

--- - NO WORK REQUIRED
GBP - GYPSUM BOARD - PAINT
EXP - EXPOSED STRUCTURE - PAINT

CMUP - CONCRETE MASONRY UNIT - PAINT
PT - PORCELAIN TILE
LAC - 2'x2' LAY-IN ACOUSTICAL CEILING TILE
LVC - 2'x2' LAY-IN VINYL CLAD CEILING TILE

SC - SEALED CONCRETE
EP - EPOXY
PLY - PAINTED PLYWOOD
MS - METAL SOFFIT

RB - RUBBER BASE

ROOM #	ROOM NAME	FLOOR	BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILING TYPE	CEILING HEIGHT	WAINS.	HEIGHT	REMARKS
BASEBALL				PART - A								
100	DUGOUT	SC	---	CMUP	CMUP	CMUP	CMUP	MS	SEE RCP	---	---	
101	CORRIDOR	SC	---	CMUP	CMUP	CMUP	CMUP	LAC	SEE RCP	---	---	
102	MECHANICAL / ELECTRICAL	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
103	LAUNDRY / TRAINING	EP	EP	CMUP	CMUP	CMUP	CMUP	LVC	SEE RCP	---	---	
103A	WATER HEATER	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
104	BATH	EP	EP	PT	CMUP	CMUP	CMUP	LVC	SEE RCP	---	---	SHOWER TO HAVE PT ON FLOOR AND FULL HEIGHT WALLS
105	LOCKERS	EP	EP	CMUP	CMUP	CMUP	CMUP	LAC / GBP	SEE RCP	---	---	
106	STAFF	EP	EP	CMUP	CMUP	PT	CMUP	LAC / GBP	SEE RCP	---	---	SHOWER TO HAVE PT ON FLOOR AND FULL HEIGHT WALLS
107	MEETING	EP	EP	CMUP	CMUP	CMUP	CMUP	LAC	SEE RCP	---	---	
107A	MECHANICAL	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
108	OFFICE	EP	EP	CMUP	CMUP	CMUP	CMUP	LAC	SEE RCP	---	---	
109	BATTING CAGES	SC / TURF	---	CMUP	CMUP	CMUP	CMUP	EXP	SEE RCP	---	---	
110	WEIGHTS	SC	---	CMUP	CMUP	CMUP	CMUP	EXP	SEE RCP	---	---	
111	STORAGE	SC	---	CMUP	CMUP	CMUP	CMUP	EXP	SEE RCP	---	---	
112	VISITOR DUGOUT	SC	---	CMUP	CMUP	CMUP	CMUP	MS	SEE RCP	---	---	
SOFTBALL												
200	DUGOUT	SC	---	CMUP	CMUP	CMUP	CMUP	MS	SEE RCP	---	---	
201	STORAGE	SC	---	CMUP	CMUP	CMUP	CMUP	EXP	SEE RCP	---	---	
202	MECHANICAL / ELECTRICAL	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
203	LAUNDRY / TRAINING	EP	EP	CMUP	CMUP	CMUP	CMUP	LVC	SEE RCP	---	---	
203A	WATER HEATER	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
204	BATH	EP	EP	PT	CMUP	CMUP	CMUP	LVC	SEE RCP	---	---	SHOWER TO HAVE PT ON FLOOR AND FULL HEIGHT WALLS
205	LOCKERS	EP	EP	CMUP	CMUP	CMUP	CMUP	LAC / GBP	SEE RCP	---	---	
206	STAFF	EP	EP	CMUP	CMUP	PT	CMUP	LAC / GBP	SEE RCP	---	---	SHOWER TO HAVE PT ON FLOOR AND FULL HEIGHT WALLS
207	MEETING	EP	EP	CMUP	CMUP	CMUP	CMUP	LAC	SEE RCP	---	---	
207A	MECHANICAL	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
208	OFFICE	EP	EP	CMUP	CMUP	CMUP	CMUP	LAC	SEE RCP	---	---	
209	BATTING CAGES	SC / TURF	---	CMUP	CMUP	CMUP	CMUP	EXP	SEE RCP	---	---	
210	WEIGHTS	SC	---	CMUP	CMUP	CMUP	CMUP	EXP	SEE RCP	---	---	
211	VISITOR DUGOUT	SC	---	CMUP	CMUP	CMUP	CMUP	MS	SEE RCP	---	---	
SOCCER												
300	LOCKERS	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
301	OFFICE	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
302	STORAGE / LAUNDRY	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
303	MECHANICAL	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
304	EXISTING MECHANICAL / ELECTRICAL	---	---	---	---	---	---	---	---	---	---	
305	MECHANICAL	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
306	LOCKERS	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
307	OFFICE	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
308	STORAGE / LAUNDRY	SC	---	CMUP	CMUP	CMUP	CMUP	GBP	SEE RCP	---	---	
309	EXISTING UNIFORMS	---	---	---	---	---	---	---	---	---	---	
310	EXISTING STORAGE	---	---	---	---	---	---	---	---	---	---	
311	EXISTING TOILETS	---	---	---	---	---	---	---	---	---	---	
312	EXISTING LOCKERS	---	---	---	---	---	---	---	---	---	---	
313	EXISTING TOILETS	---	---	---	---	---	---	---	---	---	---	
314	EXISTING TOILETS	---	---	---	---	---	---	---	---	---	---	
315	EXISTING LOCKERS	---	---	---	---	---	---	---	---	---	---	
316	EXISTING TOILETS	---	---	---	---	---	---	---	---	---	---	

SIGN MOUNTING HEIGHT

703.4.1 HEIGHT ABOVE FINISH FLOOR OF GROUND
TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48 INCHES (1220 mm) MINIMUM ABOVE THE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE LOWEST TACTILE CHARACTER AND 60 INCHES (1525 mm) MAXIMUM ABOVE FINISH FLOOR OR GROUND SURFACE, MEASURED FROM THE BASELINE OF THE HIGHEST TACTILE CHARACTER.
EXCEPTION: BRAILLE PROVIDED ON ELEVATOR CAR CONTROLS SHALL BE SEPARATED 3/8 INCHES (4.8 mm) MINIMUM AND SHALL BE LOCATED EITHER DIRECTLY BELOW OR ADJACENT TO THE CORRESPONDING RAISED CHARACTERS OR SYMBOLS.

703.4.2 LOCATION
WHERE A TACTILE SIGN IS PROVIDED AT A DOOR, THE SIGN SHALL BE LOCATED ALONGSIDE THE DOOR AT THE LATCH SIDE. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH ONE ACTIVE LEAF, THE SIGN SHALL BE LOCATED ON THE INACTIVE LEAF. WHERE A TACTILE SIGN IS PROVIDED AT DOUBLE DOORS WITH TWO ACTIVE LEAFS, THE SIGN SHALL BE LOCATED TO THE RIGHT OF THE RIGHT HAND DOOR. WHERE THERE IS NO WALL SPACE AT THE LATCH SIDE OF A SINGLE DOOR OR AT THE RIGHT SIDE OF DOUBLE DOORS, SIGNS SHALL BE LOCATED ON THE NEAREST ADJACENT WALL. SIGNS CONTAINING TACTILE CHARACTERS SHALL BE LOCATED SO THAT THE CLEAR FLOOR SPACE OF 18 INCHES (455 mm) MINIMUM, CENTERED ON THE TACTILE CHARACTERS, IS PROVIDED BEYOND THE ARC OF ANY DOOR SWING BETWEEN THE CLOSEST POSITION AND 45 DEGREE OPEN POSITION.
EXCEPTION: SIGNS WITH TACTILE CHARACTERS SHALL BE PERMITTED ON THE PUSH SIDE OF DOORS WITH CLOSERS AND WITHOUT HOLD-OPEN DEVICES.

SIGNAGE NOTES:

FURNISH INDIVIDUAL PLASTIC LAMINATE SIGNAGE SYSTEM WITH ROOM OR OCCUPANT'S NAME AND ROOM NUMBER. FINAL WORDING TO BE FURNISHED WHEN SHOP DRAWINGS FOR SIGNAGE SYSTEM ARE SUBMITTED.

LABELED DOOR AND FRAME NOTE:

HOURLY RATING DESIGNATIONS AND / OR ALPHABETICAL LETTER DESIGNATIONS ARE GIVEN WHERE PROTECTED OPENINGS ARE REQUIRED IN RATED PARTITIONS. THESE OPENING PROTECTIVE ASSEMBLIES SHALL INCLUDE THE FRAME, DOOR, HARDWARE, CLOSING DEVICE, SILL AND ANCHORAGE. CONTRACTOR SHALL SEE THAT NO COMPONENT IS OMITTED OR SUBSTANDARD QUALITY USED SUCH THAT THE EFFECTIVENESS OF THE ENTIRE OPENING AS A FIRE OR SMOKE BARRIER MIGHT BE JEOPARDIZED. DOORS AND FRAMES SHALL BE FURNISHED WITH UNDERWRITER'S LABORATORIES OR WARNOCKHERSEY LABELS WITH APPROPRIATE FIRE RESISTANCE RATINGS FOR THE CLASS OF OPENING SCHEDULED. SUBJECT TO DOOR MANUFACTURER'S PROCEDURAL LIMITATIONS, LABELS SHOULD BEAR THE FOLLOWING NOTATION: "FIRE DOOR, TO BE EQUIPPED WITH FIRE EXIT HARDWARE"

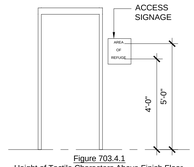


Figure 703.4.1
Height of Tactile Characters Above Finish Floor or Ground

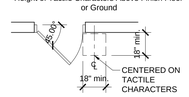
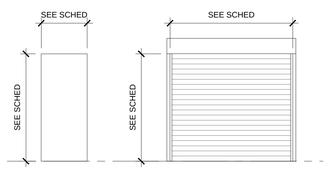
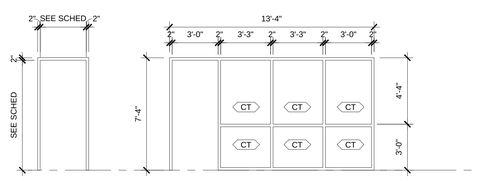


Figure 703.4.2
Location of Tactile Signs at Doors



TYPE "A" TYPE "B"

TYPICAL DOOR TYPES
SCALE: 1/4" - 1'-0"

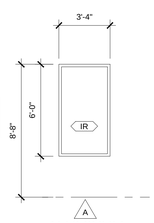


SF1 SF2

ALUMINUM FRAME TYPES
SCALE: 1/4" - 1'-0"

GLAZING SCHEDULE

SYMBOL	DESCRIPTION
CT	CLEAR TEMPERED
IR	IMPACT RESISTANT-TINTED



ALUMINUM STOREFRONT

ALUMINUM WINDOW TYPES
SCALE: 1/4" - 1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

STATE OF ALABAMA
WALTER T. McKEE, JR.
No. 1082
MONTGOMERY, ALA.
REGISTERED ARCHITECT

SHEET TITLE:
SCHEDULES

PROJ. MGR.: JRB
DRAWN: JRB
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
A8.1

0 1" 2"

- Tuesday, May 12, 2026 8:59:05 AM

PLUMBING FIXTURE SCHEDULE

NO.	FIXTURE	WASTE	C.W.	H.W.	REMARKS
P1	WATER CLOSET	3"	1"	---	FL. MTD. - REG.
P2	ADA WATER CLOSET	3"	1"	---	FL. MTD. - ADA
P3	ADA LAVATORY **	1 1/4"	1/2"	1/2"	WALL HUNG - SEE ARCH. PLANS FOR MOUNTING HEIGHT
P4	MOP BASIN	3"	1/2"	1/2"	FL. MTD. CORNER TYPE
P5	SPLIT LEVEL EWC	1 1/2"	1/2"	---	WALL HUNG - HIGH/LOW
P6	WASHING MACHINE BOX	2"	1/2"	1/2"	W/ INTEGRAL SHOCK ARRESTER
P7	ADA SHOWER	SD	1/2"	1/2"	---
P8	ADA SINK	1 1/2"	1/2"	1/2"	1-COMP. MTD. IN COUNTER
P9	ICE MACHINE	F.S.	1/2"	---	ROUGH AND CONN.
T.P.	TRAP PRIMER	---	1/2"	---	CONNECT TO FLOOR DRAIN AS SPECIFIED

** PROVIDE A WATER TEMPERATURE LIMITING DEVICE (ASSE 1070 MIXING VALVE) WITH 1/2" TEMPERED WATER LINE TO FAUCET - SEE SPECS FOR REQUIREMENTS

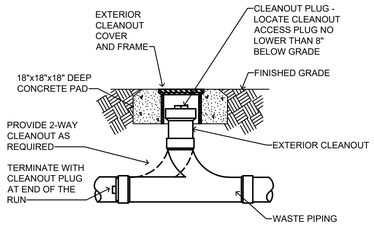
LEGEND

- WASTE PIPE
- VENT PIPE
- COLD WATER PIPE
- HOT WTR. PIPE (125°)
- HOT WTR. RECIRC. PIPE
- G — GAS PIPE
- S — STORM WATER PIPE
- AR — ACID RESIST. WASTE PIPE
- AR — ACID RESIST. VENT PIPE

- UNION
- GATE VALVE
- CHECK VALVE
- BALL VALVE

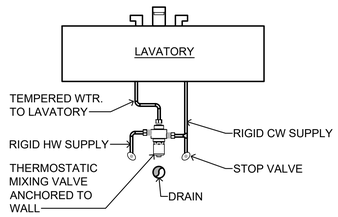
B.V.	BALL VALVE
C.I.	CAST IRON
C.O.	CLEANOUT
D.S.	DOWNSPOUT
FCO	FLOOR CLEANOUT
F.D.	FLOOR DRAIN
M.F.D.	MECH. FLOOR DRAIN
K.F.D.	KITCHEN FLOOR DRAIN
F.S.	FLOOR SINK
G.V.	GATE VALVE
H/C	HANDICAPPED
H.D.	HUB DRAIN
I.W.H.	INTERIOR WALL HYDRANT
W.H.	WALL HYDRANT
R.D.	ROOF DRAIN
T.P.	TRAP PRIMER
V	VENT
VS	VENT STACK
VTR	VENT THRU ROOF
VSTR	VENT STACK THRU ROOF
VSTW	VENT STACK THRU WALL
W&V	WASTE AND VENT

- INDICATES POINT OF CONNECTION TO EXISTING
- INDICATES POINT OF CONNECTION TO OUTSIDE UTILITY. SEE CIVIL DWGS..



TYP. EXTERIOR CLEANOUT DETAIL

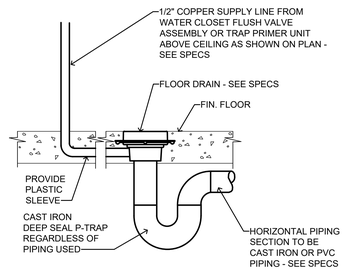
NO SCALE



DETAIL OF TMV BELOW LAVATORY

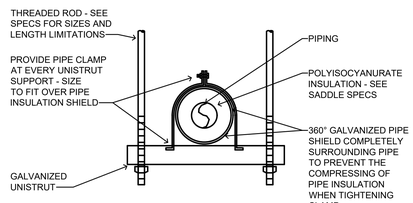
NO SCALE

DETAIL DOES NOT APPLY TO TANKLESS WATER HEATERS WHERE SPECIFIED - TANKLESS WATER HEATERS ARE SPECIFIED WITH INTEGRAL ASSE 1070 MIXING VALVE



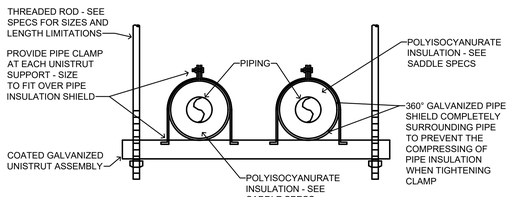
FLOOR DRAIN/TRAP PRIMER DETAIL

NO SCALE



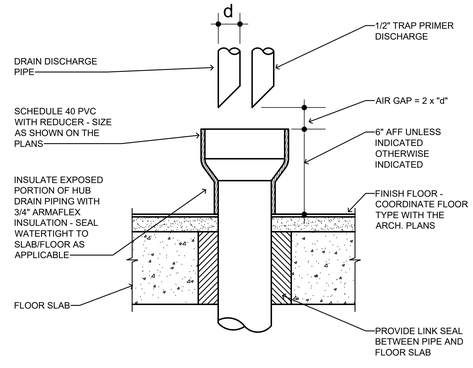
TYPICAL UNISTRUT HANGER DETAIL

NO SCALE



TYPICAL MULTIPLE PIPES HANGER DETAIL

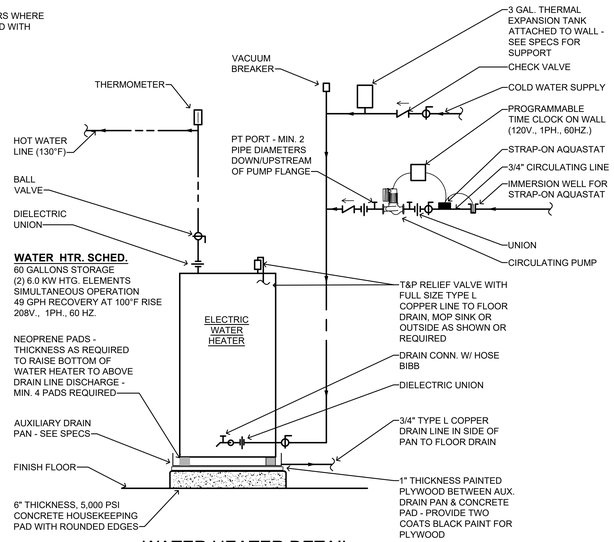
NO SCALE



HUB DRAIN DETAIL

NO SCALE

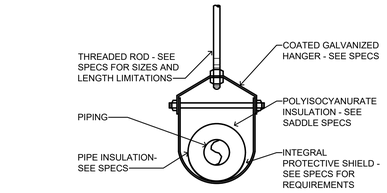
DETAIL IS FOR FLOOR PENETRATION. WHERE HUB DRAINS ARE ROUTED THROUGH A RETURN AIR PLATFORM, HUB DRAIN MUST BE CAST IRON AND COMPLETELY INSULATED AND SEALED AIRTIGHT TO THE SLAB



WATER HEATER DETAIL

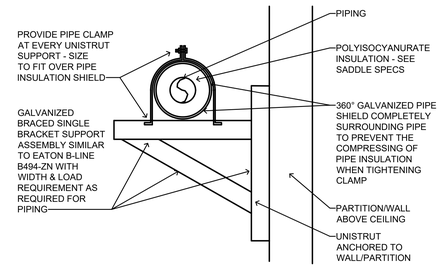
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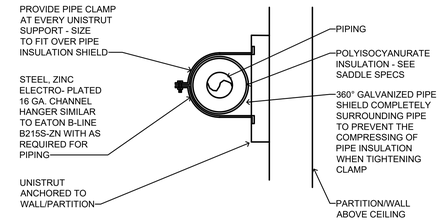
NOTES:
1. AUXILIARY PAN SHALL NOT BE IN CONTACT WITH CONCRETE.
2. DO NOT COMBINE RELIEF VALVE DISCHARGE LINE WITH AUXILIARY PAN LINE - PIPE SEPARATELY.
3. PREFABRICATED WATER HEATER STANDS ARE NOT ALLOWED.



TYPICAL PIPE HANGER DETAIL

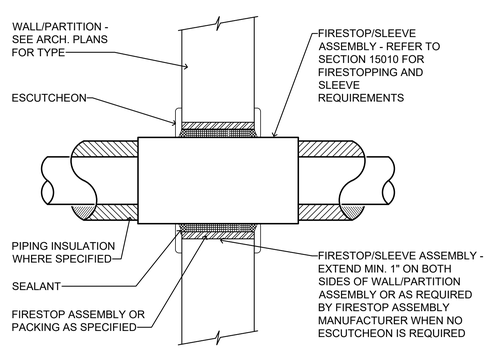
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TYPICAL HORIZONTAL/VERTICAL UNISTRUT PIPING SUPPORT DETAIL AT ABOVE CEILING PARTITION

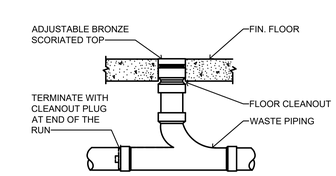
NOTES:
1. MULTIPLE PIPES SIMILAR.
2. SUPPORT SPACING MUST BE AS SPECIFIED FOR UNISTRUT ASSEMBLIES.
3. MANUFACTURER'S SADDLE LABEL WITH LOGO STICKER MUST BE APPLIED TO EACH SADDLE AND MUST BE VISIBLE FOR VERIFICATION OF PROPER INSTALLATION.
4. TYPICAL UNISTRUT AND HANGER DETAILS INDICATED ARE PREFERRED. THIS DETAIL IS REQUIRED FOR PIPING SUPPORTS WHEN HANGER RODS EXCEED 36" TO STRUCTURE ABOVE CEILING.
5. COORDINATE UNISTRUT ATTACHMENTS/ANCHORS TO WALL WITH ARCHITECT'S SPECIFICATIONS FOR TYPE OF WALL INSTALLED AND PROVIDE ANCHORS/ATTACHMENTS AS REQUIRED.



INTERIOR WALL PIPING PENETRATION DETAIL

NOT TO SCALE

NOTES:
1. SEE SPEC SECTION 15010 FOR FIRESTOP AND SLEEVE REQUIREMENTS
2. DETAIL APPLIES TO ALL PIPING.
3. ONLY ONE PIPE PER ASSEMBLY ALLOWED.
4. WHERE PIPING IS EXPOSED IN FINISHED AREAS, PROVIDE ESCUTCHEONS OVER PENETRATIONS AND DELETE REQUIREMENT FOR EXTENDING OF THE SLEEVE/FIRESTOP ASSEMBLY 1" ON EACH SIDE OF THE PARTITION. TERMINATE FLUSH WITH WALL. DO NOT USE SPLIT TYPE ESCUTCHEONS NOR SPLIT TYPE SLEEVES.



TYP. INTERIOR FLOOR CLEANOUT DETAIL

NO SCALE

GENERAL PLUMBING NOTES

1. PROPRESS OR SIMILAR TYPE JOINTS AND FITTINGS ARE NOT ALLOWED.
2. THE PLUMBING CONTRACTOR MUST NOT INSTALL THE PIPING INSULATION. ALL PIPING INSULATION WORK MUST BE PROVIDED BY AN INDEPENDENT THIRD PARTY LICENSED AND EXPERIENCED INSULATION SUBCONTRACTOR WHOSE PRIMARY BUSINESS IS THE SALE AND INSTALLATION OF INSULATION MATERIALS IN ACCORDANCE WITH INSULATION MANUFACTURERS' REQUIREMENTS AND THE SPECIFICATIONS.
3. ROUGH IN WATER CLOSET AND URINAL FLUSH VALVE SO THAT THE FLUSH TUBE IS VERTICALLY STRAIGHT.
4. ADA FIXTURES AND INSTALLATION MUST COMPLY WITH CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
5. FLUSH VALVE HANDLE FOR ALL ADA MANUAL FLUSH WATER CLOSETS MUST BE LOCATED ON THE WIDE SIDE OF THE TOILET STALL AS REQUIRED BY CURRENT ADA STANDARDS FOR ACCESSIBLE DESIGN.
6. ROUGH-IN ADA WATER CLOSETS 18" FROM FINISHED WALL TO CENTERLINE OF THE WATER CLOSET. MEASURE FROM FACE OF SHORT SIDE OF THE STALL TO THE FINISHED WALL.
7. PROVIDE A CAST IRON DEEP SEAL P-TRAP FOR EACH FLOOR DRAIN AND HUB DRAIN WITH TRAP PRIMER AS SPECIFIED.
8. ROUTE ALL OVERHEAD WATER PIPING AND WATER PIPING WITHIN NON-MASONRY WALLS WITHIN THE BUILDING INSULATION ENVELOPE. OVERHEAD PIPING MUST BE LOCATED BETWEEN THE ARCHITECTURAL AIR BARRIER LOCATED AT THE BOTTOM OF THE OVERHEAD STRUCTURE AND THE FINISHED CEILING. DO NOT ROUTE OVERHEAD WATER PIPING IN THE ATTIC WHEN IT CAN BE ROUTED BETWEEN THE ARCHITECTURAL AIR BARRIER AND THE FINISHED CEILING.
9. ALL WATER PIPING INSTALLED AT BUILDING PERIMETER STUD WALLS MUST BE LOCATED ON THE INTERIOR (WARM) SIDE OF THE BUILDING EXTERIOR WALL INSULATION.
10. ALL WATER PIPING SHOWN TO BE IN EXTERIOR PERIMETER MASONRY WALLS MUST BE LOCATED WITHIN THE RESPECTIVE UNFILLED MASONRY BLOCK CELLS. DO NOT INSTALL WATER PIPING WHERE THE STRUCTURAL OR ARCHITECTURAL PLANS INDICATE THE MASONRY TO BE FILLED WITH CONCRETE.
11. PROVIDE VALVE(S) WITH HOSE END VALVES AS REQUIRED TO ALLOW FOR DRAINAGE OF ALL RISERS AND OTHER SYSTEM LOW POINTS.
12. COORDINATE ALL PIPING RUNS WITH THE ELECTRICAL PLANS AND THE ELECTRICAL CONTRACTOR. DO NOT ROUTE ANY PIPING OVER ELECTRICAL PANELS, TRANSFORMERS, SWITCHGEAR, ETC. MAINTAIN CLEARANCES AS REQUIRED BY RESPECTIVE CODES.
13. ALL PIPING AND FITTINGS ROUTED IN/THROUGH RETURN AIR PLENUMS & RETURN AIR PLATFORMS, OR WITHIN FIRE RATED PARTITIONS AND ENCLOSURES MUST BE CAST IRON, PVDF (FOR WASTE PIPING) OR COPPER FOR WATER PIPING. SEE SPECS.
14. PLUMBING VENTS MUST TERMINATE A MINIMUM OF 10'-0" HORIZONTALLY FROM ALL ROOF MOUNTED HVAC OUTSIDE AIR INTAKES.
15. PROVIDE A READILY ACCESSIBLE CLEANOUT AT OR NEAR THE BASE OF EACH WASTE AND VENT STACK PER INTERNATIONAL PLUMBING CODE AND THE SPECIFICATIONS. CLEANOUTS MUST BE HIGH ENOUGH TO CLEAR THE TILE BASE WITHOUT CUTTING OF THE BASE AND MUST BE LOCATED WITHIN THE SPECIFIED PIPING ENCLOSURE FOR ALL WALL MOUNTED LAVATORIES AND WALL MOUNTED HAND SINKS WHEN POSSIBLE.
16. LOCATE CLEANOUTS TO THE SIDE OF THE WATER CLOSETS WITH A MINIMUM CLEARANCE OF 6" FROM THE ROUGH-IN OF THE WATER CLOSETS. PREFERRED LOCATION IS IN ADA STALL TO ALLOW FOR ADDITIONAL ACCESS SPACE.
17. EXTREME CARE MUST BE TAKEN WHEN ROUGHING IN CLEANOUTS AT EACH WALL MOUNTED LAVATORY AND HAND SINK. CLEANOUTS MUST BE LOCATED WITHIN THE SPECIFIED LAV. SHIELD PIPING COVER WHENEVER POSSIBLE.
18. ALL CLEANOUTS MUST BE ROUGHED IN HIGH ENOUGH TO CLEAR THE ARCHITECTURAL BASE MOLDING WITHOUT CUTTING THE BASE MOLDING.
19. WATER SUPPLY SYSTEM IS DESIGNED FOR A STATIC PRESSURE OF 50 TO 75 PSI. GAUGE WATER SUPPLY PRESSURE AND VERIFY PRESSURE IS WITHIN THE SPECIFIED LIMITS. PROVIDE WATER PRESSURE REDUCING VALVE AS REQUIRED TO MAINTAIN WATER PRESSURE WITHIN DESIGN LIMITS.
20. PROVIDE A BALL VALVE ON ONE SIDE OF EVERY DIELECTRIC UNION AS REQUIRED TO FACILITATE ITS REMOVAL.
21. TOPS OF ALL OUTSIDE CLEANOUTS MUST BE FLAT AND BROUGHT TO GRADE AND FINISHED FLUSH IN 12x12x12 CONCRETE PAD. SEE DETAIL.
22. ALL WALL HYDRANTS MUST BE LOCATED 32" TO THE BOTTOM OF THE WALL HYDRANT ENCLOSURE (NOT THE EXTERIOR PERIMETER FLANGE). COORDINATE FINAL HEIGHT OF INDOOR WALL HYDRANTS WITH ARCHITECTURAL CABINET PLANS PRIOR TO ROUGHING IN. DO NOT LOCATE WITHIN A CABINET UNLESS DIRECTED BY THE ARCHITECT.
23. WATER HAMMER ARRESTORS MUST BE INSTALLED AT ALL SOLENOID, REMOTE OPERATED OR QUICK CLOSING VALVES AND AT EACH PLUMBING FIXTURE OR BATTERY OF PLUMBING FIXTURES. SEE SPECS FOR ADDITIONAL REQUIREMENTS.
24. ALL HUB DRAINS THAT RISE THROUGH RETURN AIR PLATFORMS MUST BE INSULATED CAST IRON OR PVDF AND TERMINATED 8" ABOVE THE RETURN AIR PLATFORM AND SEALED AIR TIGHT. DO NOT USE PVC PIPING IN THE RETURN AIR PLATFORM. COORDINATE PIPING LOCATION WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
25. ALL PIPING WITH VALVES AND OTHER ITEMS THAT MAY REQUIRE MAINTENANCE, SERVICE OR REPLACEMENT, MUST BE LOCATED NO MORE THAN 12" ABOVE THE FINISHED CEILING AND NO MORE THAN 14'-0" ABOVE FINISH FLOOR IN AREAS WITHOUT CEILINGS, TO ENSURE PROPER ACCESS. PROVIDE DROPS IN PIPING AS REQUIRED FOR COMPLIANCE.
26. IPC 704.1 REQUIRES ALL DRAINAGE PIPING UPSTREAM OF A GREASE INTERCEPTOR TO BE SLOPED AT 1/4" PER FOOT (2% SLOPE).
27. DEMOLISH ALL EXISTING WALLS AS REQUIRED TO INSTALL NEW ITEMS AS SHOWN AND/OR SPECIFIED. RECONSTRUCTION AND REPAIR OF DEMOLISHED WALLS MUST BE AS DIRECTED BY THE ARCHITECT. COORDINATE DEMOLITION AND REPAIRING/REBUILDING OF EXISTING WALLS WITH GENERAL CONTRACTOR PRIOR TO BID TO ALLOW FOR INSTALLATION OF CARRIERS, FIXTURES, PIPING, ETC. AS REQUIRED AND AS APPLICABLE.

LATHAN ▪ McKEE ARCHITECTS

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 25-212

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

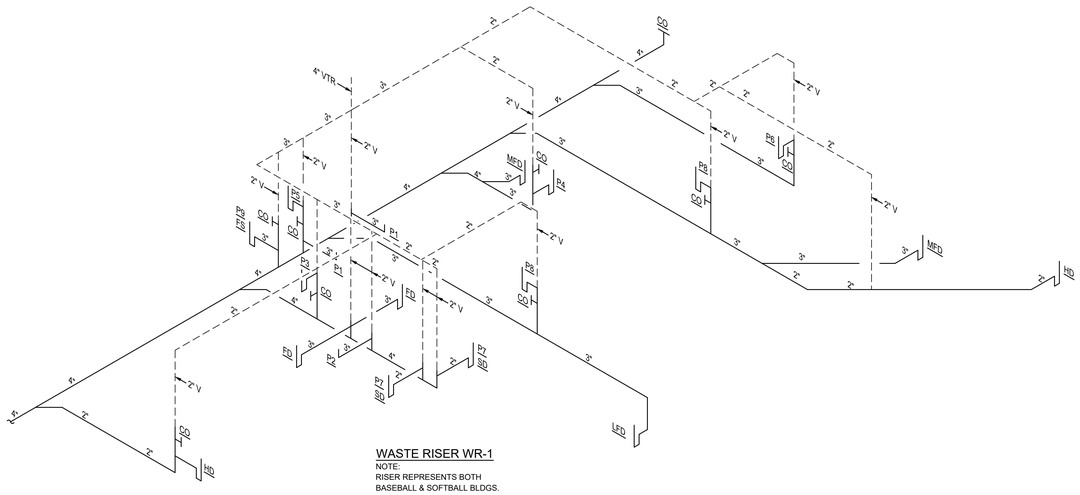
J. R. EIRING — No. 23369 — PROFESSIONAL ENGINEER — 04.24.26

SHEET TITLE: PLBG. SCHEDULES, DETAIL & NOTES

PROJ. MGR.: T. ZGOUVAS
DRAWN: C. WARD
DATE: 04.24.2026
REVISIONS

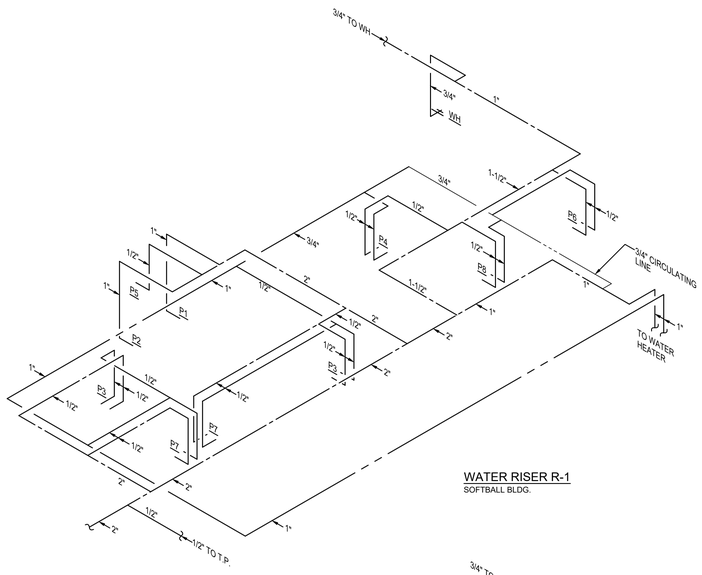
JOB NO. 25-111
SHEET NO: P1.1

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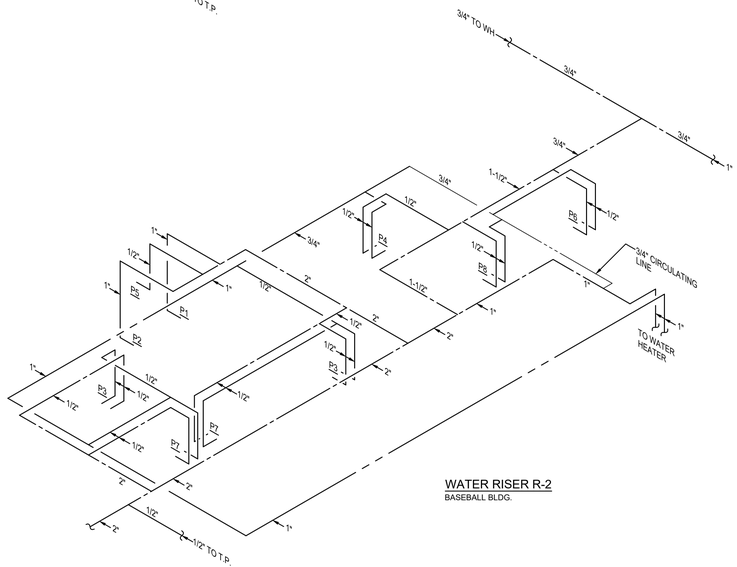
WASTE RISER WR-1

NOTE:
RISER REPRESENTS BOTH
BASEBALL & SOFTBALL BLDGS.



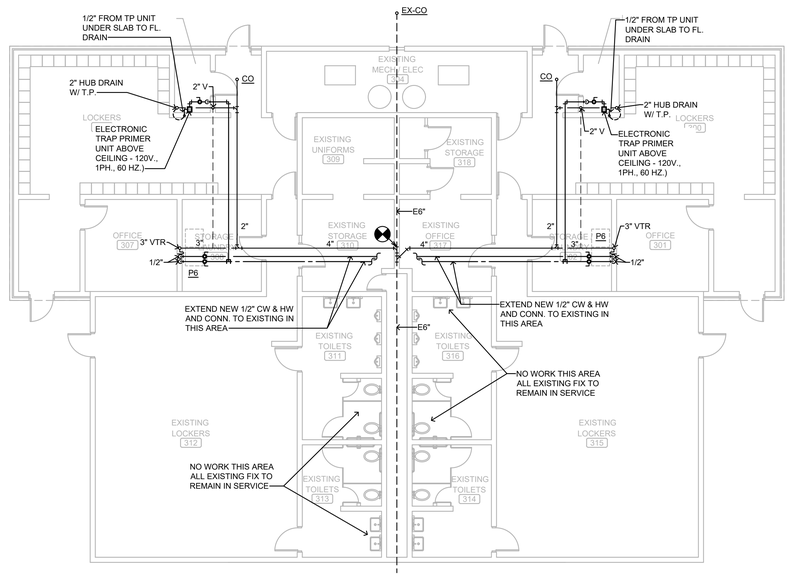
WATER RISER R-1

SOFTBALL BLDG.



WATER RISER R-2

BASEBALL BLDG.



SHOWING WASTE AND WATER PIPING

PLBG. PLAN - SOCCER FIELD HOUSE

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'

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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

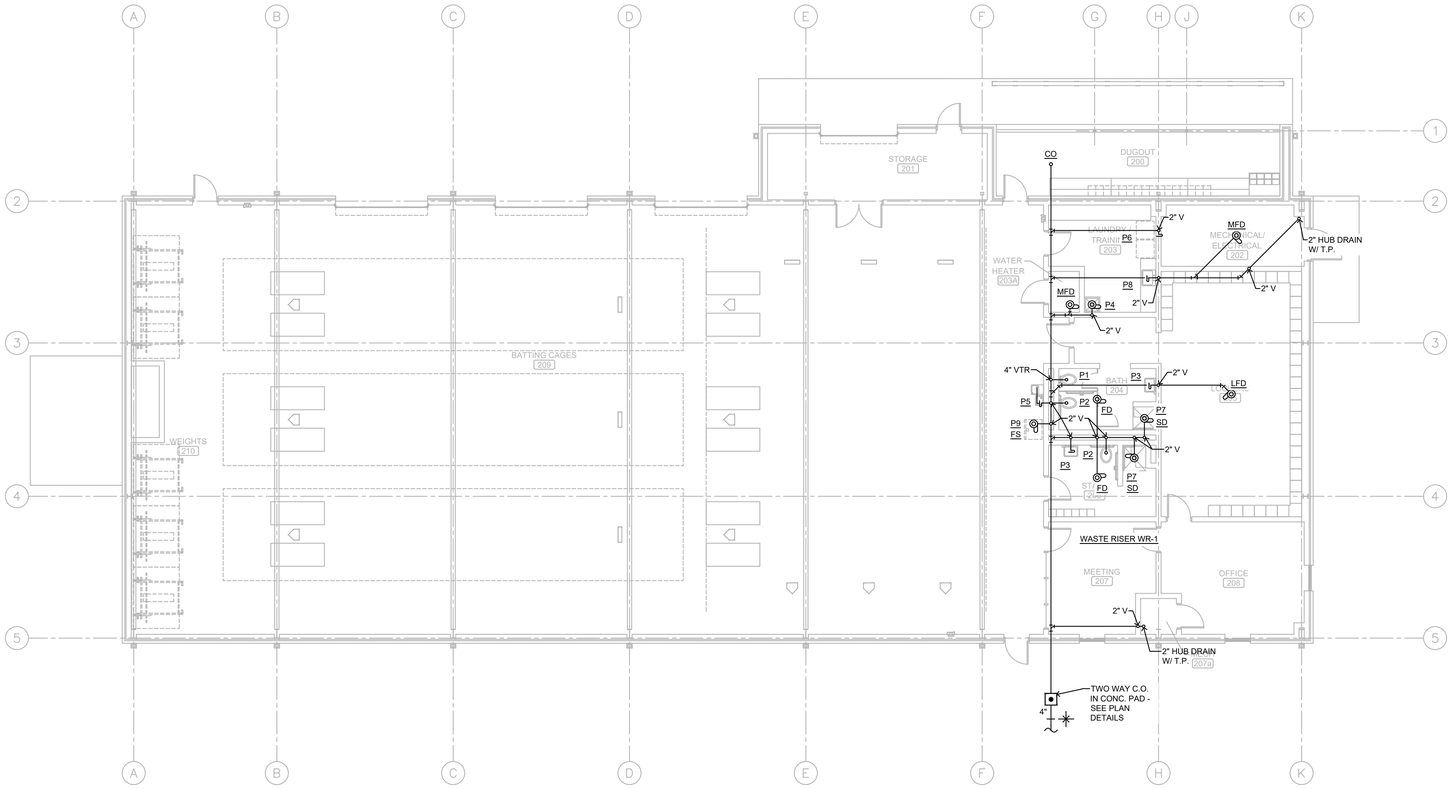
T. ZGOUVAS No. 23369 PROFESSIONAL 04.24.26 ENGINEER J. R. EIRING

SHEET TITLE:
PLBG. SOCCER FLIED HOUSE & RISERS

PROJ. MGR.: T. ZGOUVAS
DRAWN: C. WARD
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
P2.1

0 1" 2"



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W E

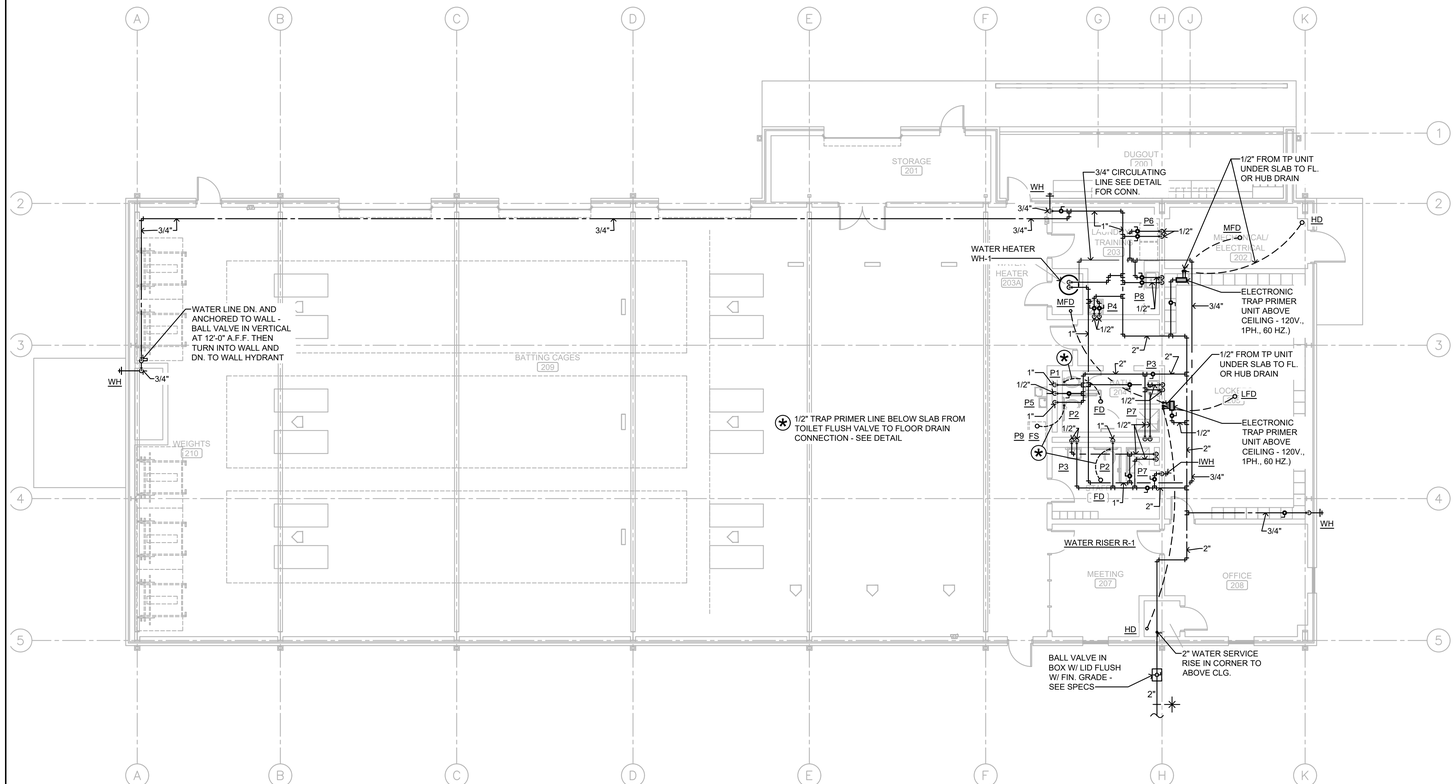
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SHOWING WASTE PIPING

PLBG. FLOOR PLAN - SOFTBALL FIELDHOUSE

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'



N

W E

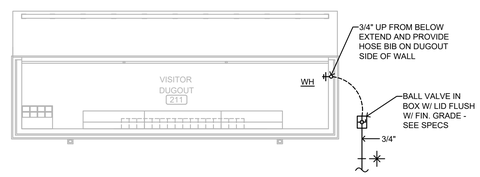
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SHOWING WATER PIPING

PLBG. FLOOR PLAN - SOFTBALL FIELDHOUSE

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'



N

W E

S

SHOWING WASTE PIPING

PLBG. FLOOR PLAN - VISITORS DUGOUT

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'

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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA



SHEET TITLE:

PLUMBING FLOOR PLANS - SOFTBALL LOCKER ROOM

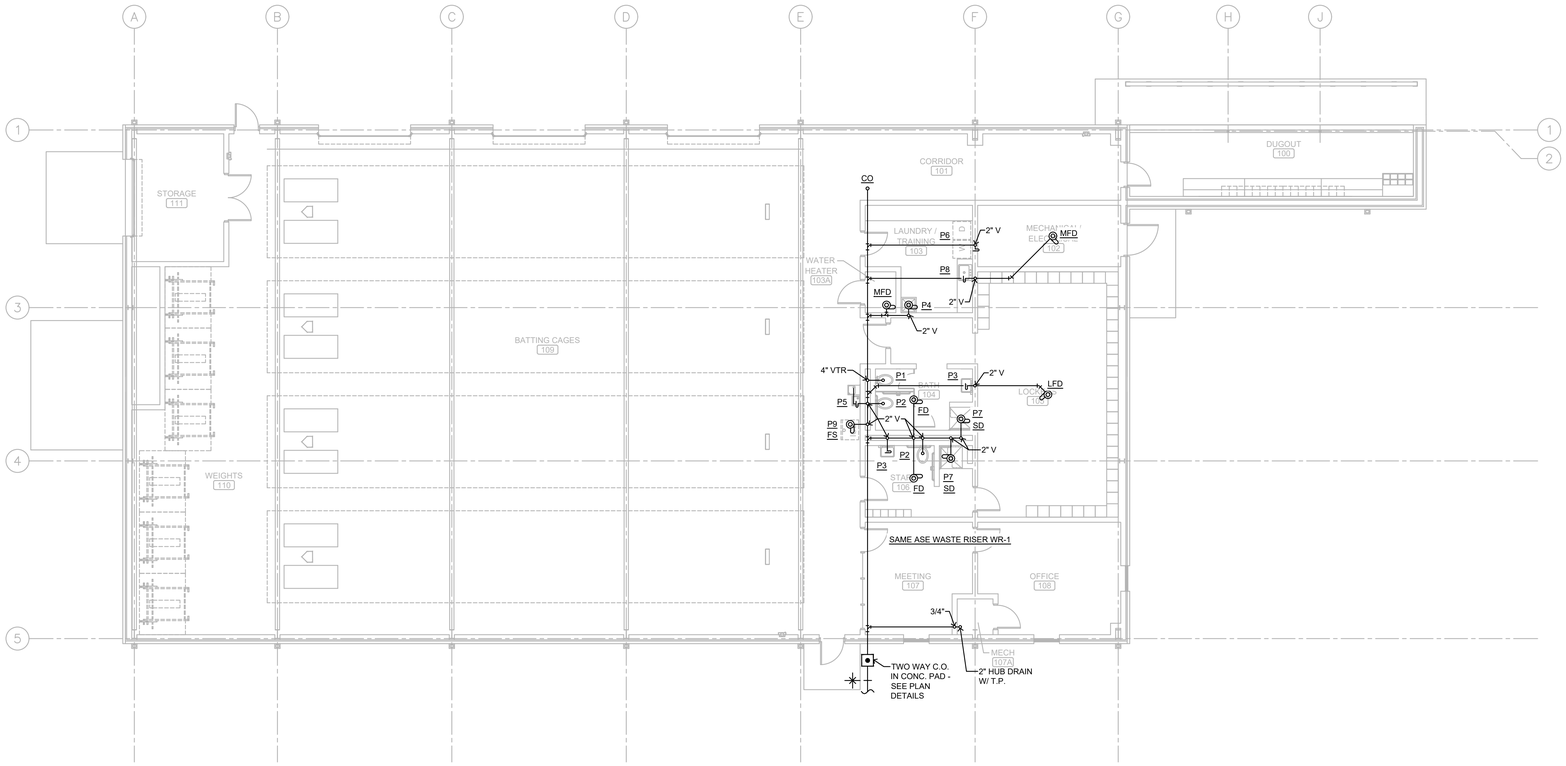
PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:

P2.2

ZGOUVAS, EIRING & ASSOCIATES
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ZEA PROJECT NUMBER 25-212

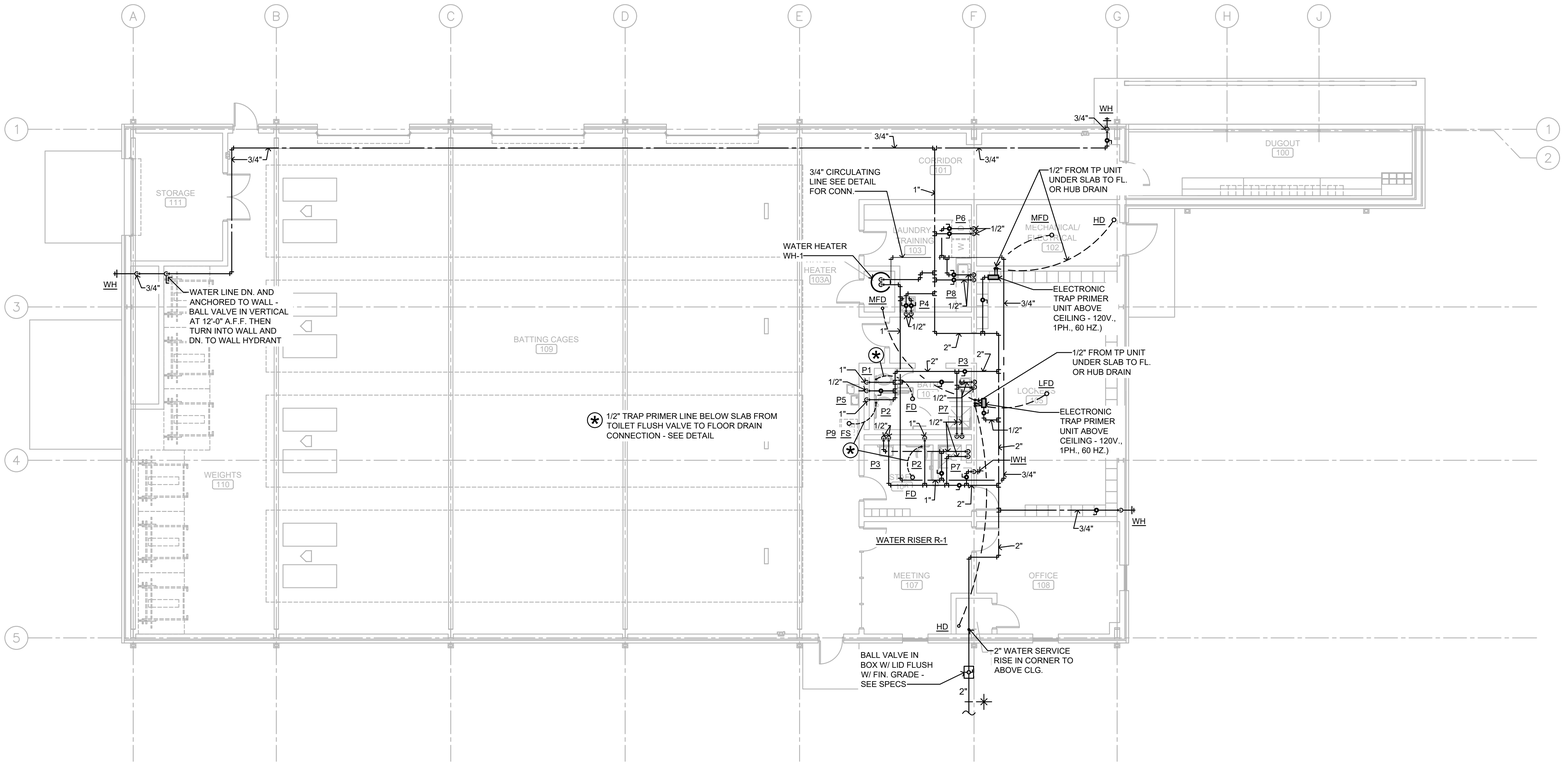


SHOWING WASTE PIPING

PLBG. FLOOR PLAN - BASEBALL FIELDHOUSE

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'

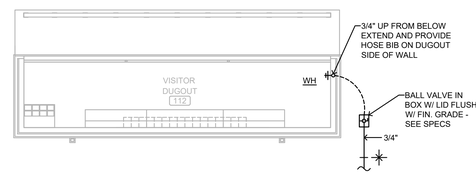


SHOWING WATER PIPING

PLBG. FLOOR PLAN - BASEBALL FIELDHOUSE

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'



SHOWING WASTE PIPING

PLBG. FLOOR PLAN - VISITORS DUGOUT

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA No. 23369 PROFESSIONAL ENGINEER 04.24.26 ZGOUVAS EIRING

SHEET TITLE:
PLUMBING FLOOR PLANS - BASEBALL LOCKER ROOM

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

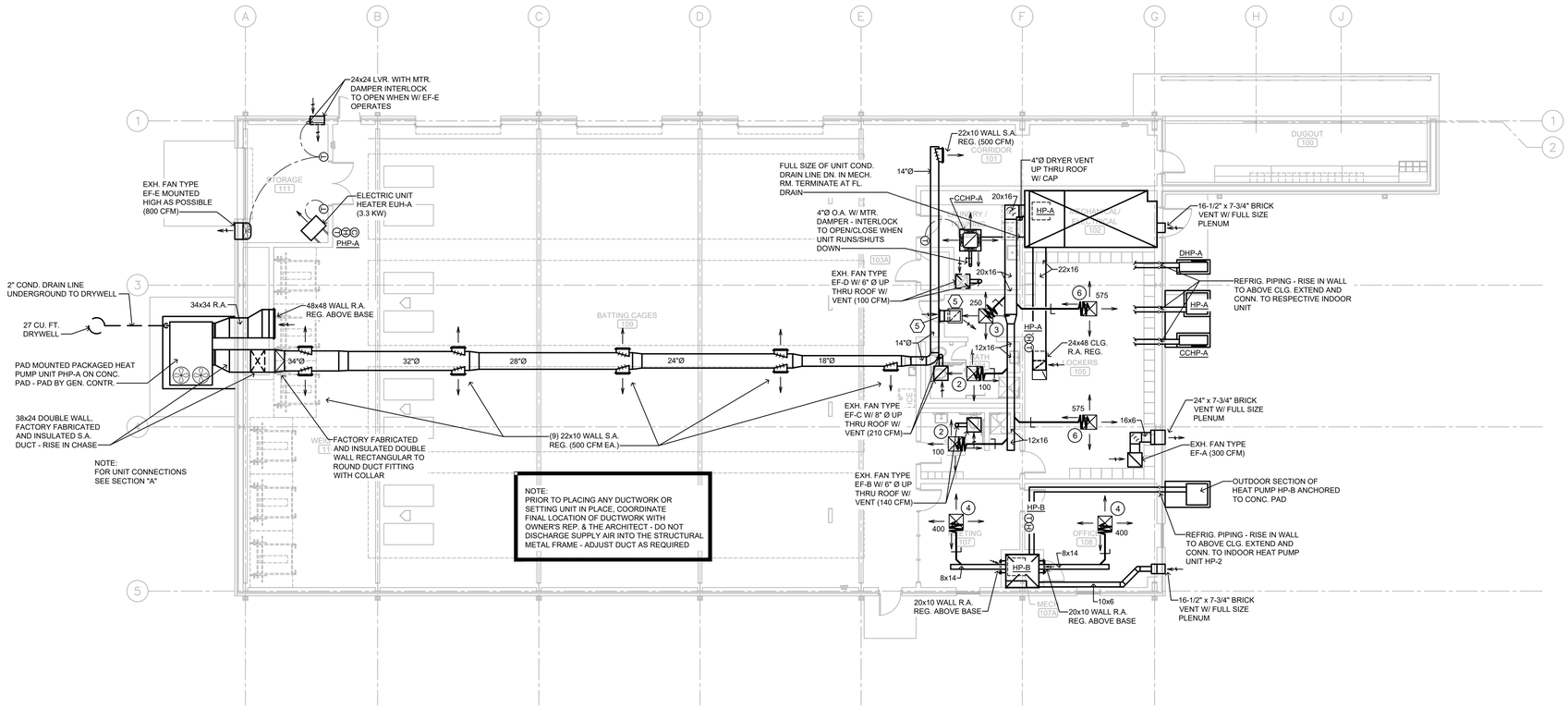
SHEET NO:

P2.3

0 1" 2"

ZEA
ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 25-212

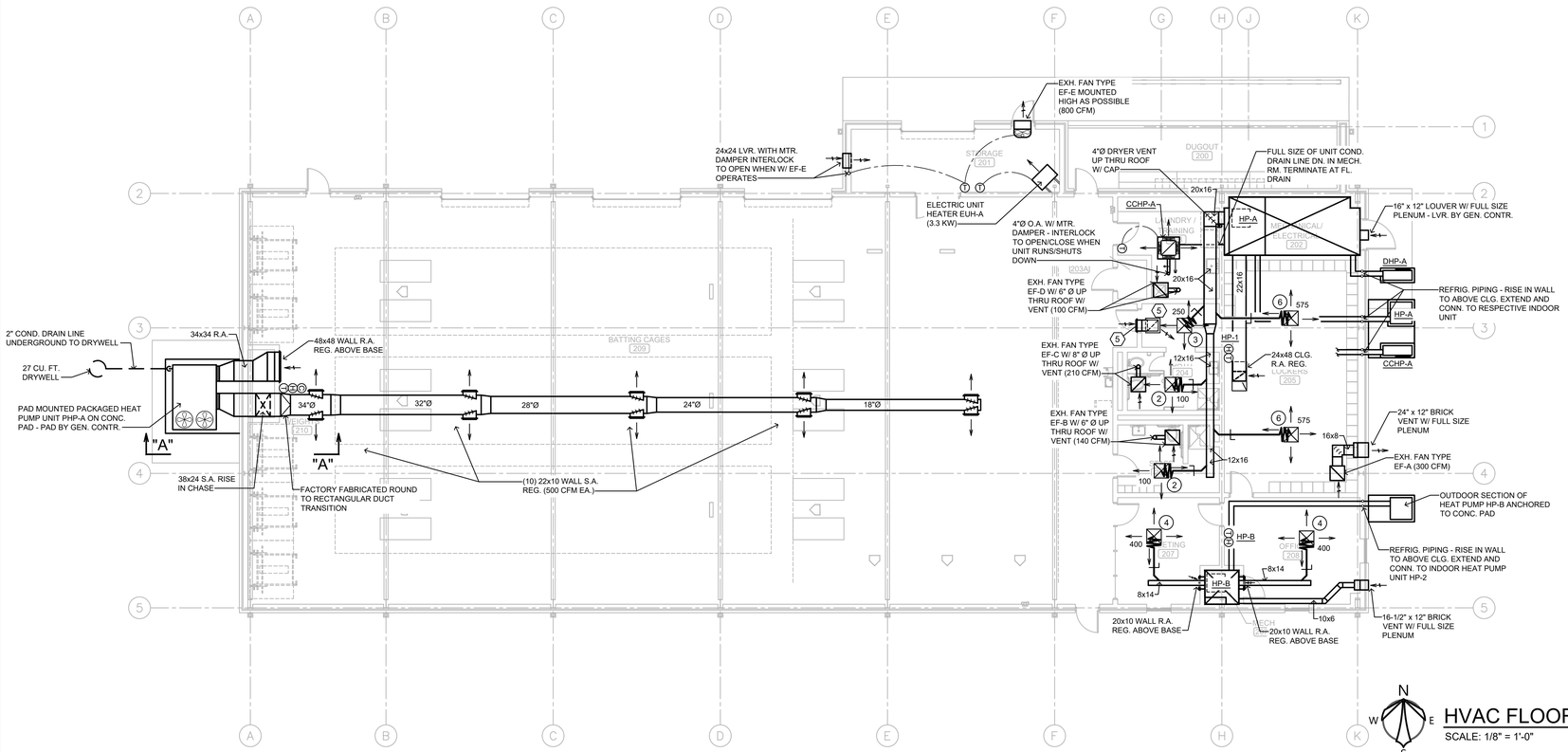
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HVAC FLOOR PLAN - BASEBALL FIELDHOUSE

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'



HVAC FLOOR PLAN - SOFTBALL FIELDHOUSE

SCALE: 1/8" = 1'-0"

0' 2' 4' 8' 16' 32'

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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED No. 23369 PROFESSIONAL 04.24.26 ENGINEER J.R. EIRING

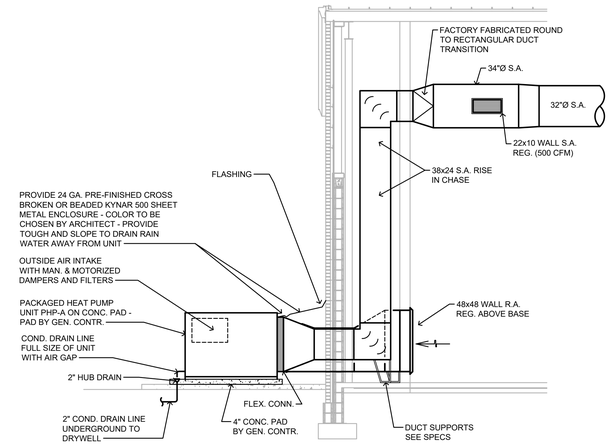
SHEET TITLE:
HVAC FLOOR PLANS - BASEBALL & SOFTBALL LOCKER RMS

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:

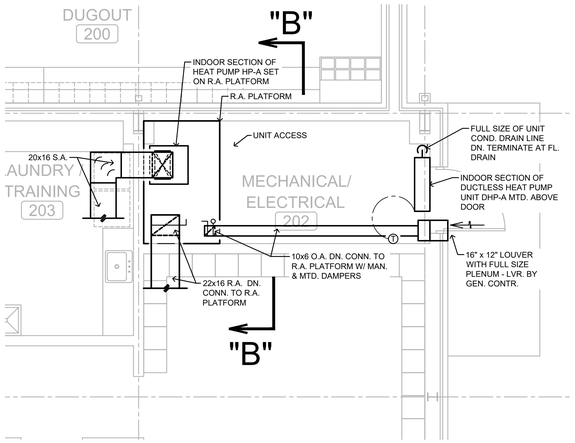
M1.1



SECTION "A"

SCALE: 1/4" = 1'-0"

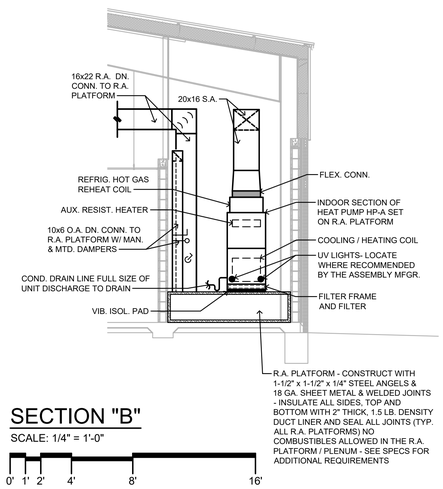
0' 1' 2' 4' 8' 16'



LARGE SCALE MECH./ELEC. ROOM 202

SCALE: 1/4" = 1'-0"

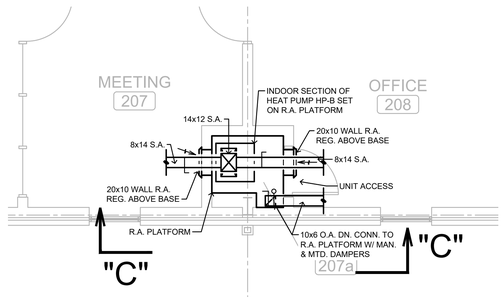
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SECTION "B"

SCALE: 1/4" = 1'-0"

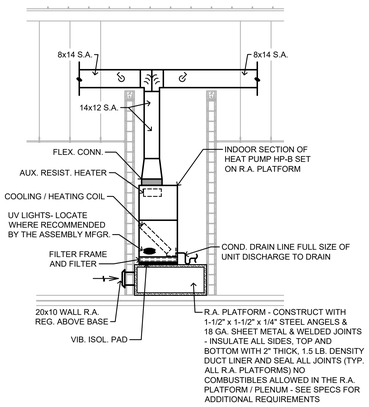
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LARGE SCALE MECH. ROOM 207A

SCALE: 1/4" = 1'-0"

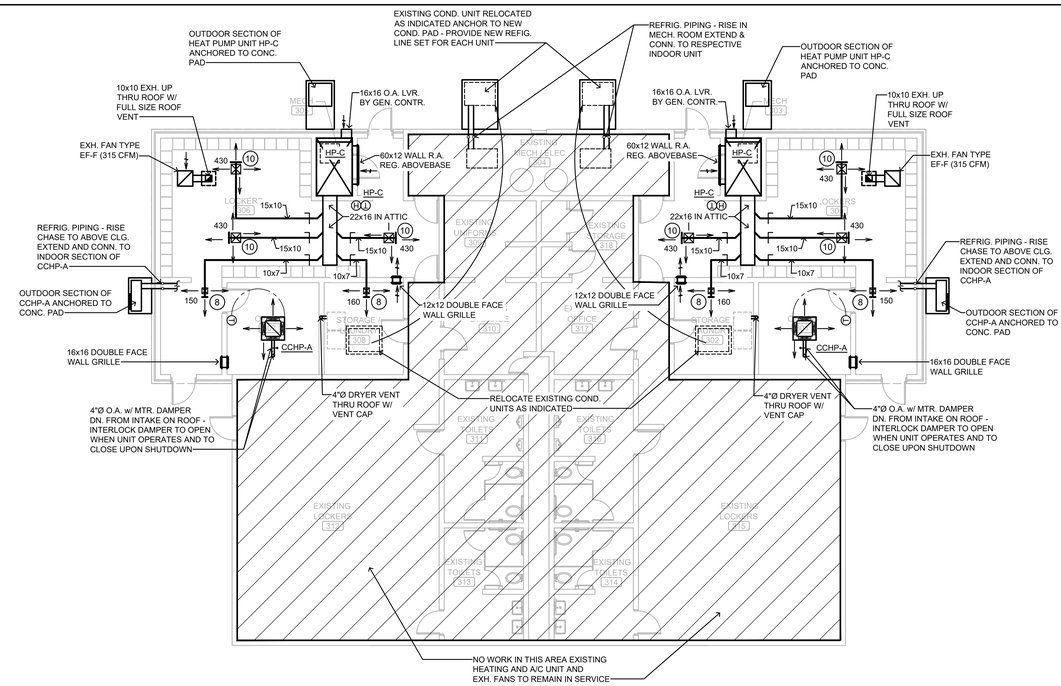
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SECTION "C"

SCALE: 1/4" = 1'-0"

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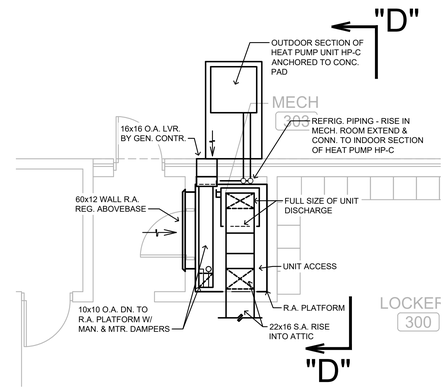


N W E S

HVAC FLOOR PLAN - SOCCER FIELD HOUSE

SCALE: 1/8" = 1'-0"

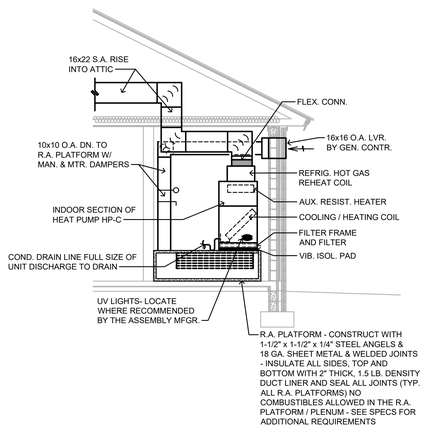
0' 2' 4' 8' 16' 32'



LARGE SCALE MECH. ROOM 303

SCALE: 1/4" = 1'-0"

0' 1' 2' 4' 8' 16'



SECTION "D"

SCALE: 1/4" = 1'-0"

0' 1' 2' 4' 8' 16'

LATHAN ▪McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE

GULF SHORES SPORTSPLEX

FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA



SHEET TITLE:
HVAC LARGE SCALE MECH. ROOMS AND SECTIONS

PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:

M1.2

0 1" 2"

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 25-212

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PACKAGED PAD MOUNTED HEAT PUMP UNITS SCHEDULE

UNIT TYPE	PHP-A
MINIMUM AIR CFM	5000
MINIMUM OUTSIDE AIR SETPOINT/MAX. CO2 SETPOINT/MAX. O.A. (ECONOMIZER) CFM	380 / 850 / 5000
APPROXIMATE EXTERNAL STATIC PRESSURE - IN. WATER COLUMN	0.70
APPROXIMATE INDOOR ECM FAN MOTOR HP-POWER	6.0 HP - 480V., 3PH., 60HZ.
MINIMUM TOTAL COOLING CAPACITY AT AHRI CONDITIONS-BTU/HR	150,000
MINIMUM HEATING CAPACITY (COMPRESSOR ONLY) AT 70°F INDOOR TEMPERATURE AND 47°F OUTDOOR TEMPERATURE-BTU/HR	100,000
MINIMUM AUXILIARY ELECTRIC RESISTANCE HEAT - KW	54.0
NUMBER OF CONTROL STEPS	TWO
POWER	480V., 3PH., 60HZ.
APPROXIMATE COMPRESSOR MOTOR(S) F.L.A. - POWER	23.0 - 480V, 3PH., 60HZ.
APPROXIMATE OUTDOOR SECTION FAN MOTOR(S) F.L.A. - POWER	5.0 - 480V., 1PH., 60HZ.
MINIMUM ENERGY EFFICIENCY RATING AT AHRI CONDITIONS	12.0
MINIMUM HSPF / COP	3.6
APPROXIMATE MCA	108.0
APPROXIMATE MOCP	110.0
REFRIG. CHARGE	32

NOTES:

1. ALL UNITS SHALL BE FACTORY WIRED FOR SINGLE POINT POWER CONNECTIONS (FAN AND HEATER).
2. 480 VOLT, 3 PHASE POWER IS BEING PROVIDED BY ELECTRICAL TO THE HEAT PUMP UNIT.
3. EER RATINGS BASED ON AHRI 340/360
4. COP RATING BASED ON AHRI 340/360 AT 47°F DB/43°F WB
5. EACH UNIT WITH SCHEDULED COOLING CAPACITY GREATER THAN 40.0 MBH SHALL BE PROVIDED WITH A REFRIGERANT HOT GAS REHEAT COIL, RELATED MODULATING HOT GAS REHEAT COIL VALVE AND LOCATED IN THE REHEAT POSITION. COIL SHALL BE PROVIDED COMPLETE WITH REFRIGERANT PIPING, PIPE INSULATION, VALVES, CONTROLS, ETC., ALL AS REQUIRED FOR HUMIDITY CONTROL. PROVIDE MANUAL REFRIGERANT ISOLATION VALVES FOR HOT GAS AND LIQUID LINES - FURNISH FOR APPROVAL DETAILED REFRIGERANT PIPING CONN. DIAGRAM AND CONTROL WIRING DIAGRAM - SEE SPECS FOR ADDITIONAL DETAILED REQUIREMENTS.
6. UNIT MUST HAVE MINIMUM OF TWO COMPRESSORS OR 2-STAGES OF COOLING AS REQUIRED BY ASHRAE 90.1
7. UNIT MUST BE PROVIDED WITH TWO SPEED CONTROL OF THE SUPPLY FAN SUCH THAT THE FAN AIRFLOW WILL VARY AS A FUNCTION OF LOAD AS REQUIRED BY ASHRAE 90.1.

ELECTRIC UNIT HEATER SCHEDULE

HEATER TYPE	DESCRIPTION	AIR QUANTITY-CFM	MINIMUM CAPACITY-KW	FAN HP	FAN MAX. RPM	POWER			NUMBER OF CONTROL STEPS	REMARKS
						VOLTS	PHASE	HERTZ		
EUH-A	WALL MOUNTED, HORIZONTAL DISCHARGE, PROPELLER	400	3.3	1/125	1550	480	3	60	ONE	

FANS SCHEDULE

FAN TYPE	FAN CFM	DESCRIPTION	MINIMUM FAN SIZE INCHES	APPROX. FAN WALL/ ROOF OPENING -INCHES	MAXIMUM FAN SPEED RPM	APPROX. EXT. STATIC PRESS. IN. WTR. COL.	FAN MOTOR				CONTROL INTERLOCK	REMARKS
							MIN. H.P./ WATTS	POWER				
								VOLTS	PH.	HERTZ		
EF-A	300	CLG. MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	10.0	N/A	1050	.30	234w	120	1	60	LIGHTING CIRCUIT	
EF-B	140	CLG. MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	8.0	N/A	1050	.30	84w	120	1	60	LIGHTING CIRCUIT	
EF-C	210	CLG. MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	8.0	N/A	1050	.30	84w	120	1	60	LIGHTING CIRCUIT	
EF-D	100	CLG. MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	8.0	N/A	1050	.30	84w	120	1	60	LIGHTING CIRCUIT	
EF-E	800	WALL MOUNTED, PROPELLER, DIRECT DRIVEN	18.0	24x24	819	.30	1/8 hp	120	1	60	T'STAT	
EF-F	315	CLG. MOUNTED, CENTRIFUGAL, DIRECT DRIVEN, ECM	10.0	N/A	1050	.30	234w	120	1	60	LIGHTING CIRCUIT	

HP-A REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

SOFTBALL	Area	Clg Ht	Volume	Peo/ 1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable ft/1000 cu ft	Actual ft/1000 cu ft	Max Allowed in space
LOCKERS 105	586	10	5860											0.5	293	750	0					
BATH 104	150	10	1500									3	70		210	150	0					
STAFF 106	150	10	1500									1	70		70	100	0					
Total			8860		0		0		0						573	1000		454b	12	3.1	1.354402	27.466
NOTE: CALCULATIONS FOR BASEBALL LOCKER ROOM ARE THE SAME									Cumulative CFM	0												

HP-B REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

SOFTBALL	Area	Clg Ht	Volume	Peo/ 1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable ft/1000 cu ft	Actual ft/1000 cu ft	Max Allowed in space
OFFICE 108	275	10	2750	5	2	0.06	21.25	5	12.5	33.75	0.8					400	0.084375					
MEETING 107	205	10	2050	50	11	0.06	16.25	5	68.75	85	0.8					550	0.154545					
Total			4800		13		37.5		81.25						0	950		454b	8	3.1	1.666667	14.88
NOTE: CALCULATIONS FOR BASEBALL LOCKER ROOM ARE THE SAME									Cumulative CFM	118.75												

Max "Zp"	0.154545
"Es"	0.9
"Vou" Total OSA EQ 4-6	75
Total Building Occupancy	6
Zone Occupancy	13
"D" from EQ 4-7	0.461538
"Vot" Equation 4-8	83.33333
TOTAL OSA	83.33333

HP-C REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

SOCCER	Area	Clg Ht	Volume	Peo/ 1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable ft/1000 cu ft	Actual ft/1000 cu ft	Max Allowed in space
LOCKER 300	625	10	6250											0.5	312.5	1200	0					
LAUNDRY 302	125	10	1250	25	4	0.12	18.75	10	50	68.75	0.8					400	0.171875					
Total			7500		4		18.75		50						312.5	1600		454b	12	3.1	1.6	23.25
									Cumulative CFM	68.75												

Max "Zp"	0.171875
"Es"	0.9
"Vou" Total OSA EQ 4-6	68.75
Total Building Occupancy	4
Zone Occupancy	4
"D" from EQ 4-7	1
"Vot" Equation 4-8	76.38889
TOTAL OSA	76.38889

SPLIT SYSTEM HEAT PUMP UNITS SCHEDULE

UNIT NUMBER OR TYPE	HP-A	HP-B	HP-C
MINIMUM TOTAL AIR CFM	1600	800	1600
MINIMUM OUTSIDE AIR SETPOINT/MAX. CO2 SETPOINT/MAX. O.A. (ECONOMIZER) CFM	210 / N/A / N/A	135 / N/A / N/A	315 / N/A / N/A
APPROXIMATE EXTERNAL STATIC PRESSURE - IN. WATER COLUMN	0.75	0.65	0.75
APPROXIMATE INDOOR FAN MOTOR HP-POWER	3/4 HP - 480V., 3PH., 60HZ.	1/2 HP - 208V., 1PH., 60HZ.	3/4 HP - 208V., 3PH., 60HZ.
MINIMUM TOTAL COOLING CAPACITY AT A.R.I. CONDITIONS-BTU/HR	48,000	24,000	48,000
MINIMUM HEATING CAPACITY (COMPRESSOR ONLY) AT 70°F INDOOR TEMPERATURE AND 22°F OUTDOOR TEMPERATURE-BTU/HR	32,000	16,000	32,000
MINIMUM AUXILIARY ELECTRIC RESISTANCE HEAT - KW	12.0	6.0	12.0
NUMBER OF CONTROL STEPS	TWO	TWO	TWO
POWER	480V., 3PH., 60HZ.	208V., 1PH., 60HZ.	208V., 3PH., 60HZ.
APPROXIMATE COMPRESSOR MOTOR(S) F.L.A. - POWER	7.0 - 480V, 3PH., 60HZ.	12.0 - 208V, 1PH., 60HZ.	14.0 -208V, 3PH., 60HZ.
APPROXIMATE OUTDOOR SECTION FAN MOTOR(S) F.L.A. - POWER	1.0 - 480V., 1PH., 60HZ.	1.5 - 208V., 1PH., 60HZ.	2.0 - 208V., 1PH., 60HZ.
MINIMUM ENERGY EFFICIENCY RATING AT A.H.R.I. CONDITIONS	14.0 SEER	15.0 SEER	14.0 SEER
MINIMUM HSPF/COP	8.2 HSPF	9.2 HSPF	8.2 HSPF

NOTES:

1. ALL INDOOR UNITS SHALL BE FACTORY WIRED FOR SINGLE POINT POWER CONNECTIONS (FAN AND HEATER).
2. 480 VOLT, 3 OR 208V., 1PH. PHASE POWER IS BEING PROVIDED BY ELECTRICAL TO THE INDOOR HEAT PUMP UNIT SECTIONS. UNIT MANUFACTURER SHALL PROVIDE FACTORY INSTALLED RELAYS, TRANSFORMERS, ETC., AS REQUIRED TO OPERATE EQUIPMENT AT POWER REQUIREMENTS SPECIFIED ABOVE.
3. SEER RATINGS BASED ON AHRI 210/240
4. HSPF RATING BASED ON AHRI 210/240
5. HP-A AND HP-C SHALL BE PROVIDED WITH A REFRIGERANT HOT GAS REHEAT COIL, RELATED MODULATING HOT GAS REHEAT COIL VALVE AND LOCATED IN THE REHEAT POSITION. COIL SHALL BE PROVIDED COMPLETE WITH REFRIGERANT PIPING, PIPE INSULATION, VALVES, CONTROLS, ETC., ALL AS REQUIRED FOR HUMIDITY CONTROL. PROVIDE MANUAL REFRIGERANT ISOLATION VALVES FOR HOT GAS AND LIQUID LINES - FURNISH FOR APPROVAL DETAILED REFRIGERANT PIPING CONN. DIAGRAM AND CONTROL WIRING DIAGRAM - SEE SPECS FOR ADDITIONAL DETAILED REQUIREMENTS.
6. HP-B SHALL BE VARIABLE SPED FAN WITH VARIABLE SPEED INVERTER COMPRESSOR.

CEILING CASSETTE TYPE HEAT PUMP UNIT SCHEDULE

UNIT TYPE	CCHP-A
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	12,000
MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 70°F INDOOR & 47°F AMBIENT - BTU/HR	14,000
INDOOR FAN CFM AT HIGH SPEED (WET COIL)	490
OUTSIDE AIR CFM	50
INDOOR UNIT MCA - POWER	1.5 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MCA (COMPRESSOR AND COND. FAN) - POWER	11.0 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MOCP	28.0 A - 208 V., 1PH., 60HZ.
MINIMUM HSPF AT AHRI 210/240 CONDS.	12.8
MINIMUM S.E.E.R. AT AHRI 210/240 CONDS	27.0

WALL MOUNTED DUCTLESS HEAT PUMP UNIT SCHEDULE

UNIT TYPE	DHP-A
MINIMUM TOTAL COOLING CAP. AT A.R.I. CONDITIONS - BTU/HR	12,000
MINIMUM HEATING CAP. (COMPRESSOR ONLY) AT 70°F INDOOR & 47°F AMBIENT - BTU/HR	14,000
INDOOR FAN CFM AT HIGH SPEED (WET COIL)	380
INDOOR UNIT MCA - POWER	1.5 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MCA (COMPRESSOR AND COND. FAN) - POWER	11.0 A - 208 V., 1 PH., 60 HZ.
OUTDOOR UNIT MOP (COMPRESSOR AND COND. FAN) - POWER	28.0 A - 208 V., 1 PH., 60 HZ.
MINIMUM HSPF AT AHRI 210/240 CONDS.	10.2
MINIMUM S.E.E.R. AT AHRI 210/240 CONDS	20.8
BASIS OF DESIGN	MITSUBISHI PKA / PUZ

CEILING DIFFUSER SCHEDULE

SYMBOL	CFM RANGE	NECK SIZE INCHES	FACE SIZE INCHES	BRANCH DUCT SIZE	MAXIMUM NC VALUE	BASIS OF DESIGN
1	10 - 95	6" ROUND	24x24	6"Ø	20	TITUS TMS
2	100 - 180	8" ROUND	24x24	8"Ø	20	TITUS TMS
3	185 - 270	10" ROUND	24x24	10"Ø	20	TITUS TMS
4	275 - 400	12" ROUND	24x24	12"Ø	20	TITUS TMS
5	405 - 530	14" ROUND	24x24	14"Ø	20	TITUS TMS
6	535 - 625	15" ROUND	24x24	15"Ø	20	TITUS TMS
7	10 - 95	6x6	6x6	6x6	20	TITUS TDC
8	95 - 200	9x9	9x9	10x7	20	TITUS TDC
9	205 - 350	12x12	12x12	13x9	20	TITUS TDC
10	355 - 500	15x15	15x15	15x10	20	TITUS TDC

NOTES

1.) RUNOUTS/BRANCH DUCTS SHALL BE AS SCHEDULED ABOVE UNLESS NOTED OTHERWISE ON THE PLANS
2.) CONTRACTOR SHALL INSULATE THE EXTERIOR (BACK SIDE OF DIFFUSER PANEL) WITH 1" THICKNESS EXTERNAL DUCT INSULATION WITH CHARACTERISTICS SPECIFIED FOR EXTERNAL DUCT INSULATION.

EXHAUST/RETURN AIR REGISTER SCHEDULE

SYMBOL		CFM RANGE	SIZE - IN. x IN.	DESCRIPTION	MAXIMUM NC RATING	BRANCH DUCT SIZE
EXH.	R.A.					
1	1	0 - 140	9x9	CEILING EXH. OR RETURN REG.	20	9x6
2	2	141 - 240	12x12	CEILING EXH. OR RETURN REG.	20	12x7
3	3	241 - 340	14x14	CEILING EXH. OR RETURN REG.	20	14x7
4	4	341 - 460	16x16	CEILING EXH. OR RETURN REG.	20	16x9
5	5	461 - 600	18x18	CEILING EXH. OR RETURN REG.	20	18x10
6	6	601 - 760	20x20	CEILING EXH. OR RETURN REG.	20	20x12
7	7	761 - 940	24x24	CEILING EXH. OR RETURN REG.	20	24x12
8	8	941 - 1200	30x24	CEILING EXH. OR RETURN REG.	20	24x14
9	9	1201 - 1400	36x24	CEILING EXH. OR RETURN REG.	20	28x14

NOTES

1.) RUNOUTS/BRANCH DUCTS SHALL BE AS SCHEDULED ABOVE UNLESS NOTED OTHERWISE ON THE PLANS.
2.) 8 & 9 SHALL BE IN INTEGRAL 48x24 METAL CEILING PANEL AS SPECIFIED. ALL OTHERS SHALL BE IN INTEGRAL 24x24 METAL CEILING PANEL AS SPECIFIED.
3.) CONTRACTOR SHALL INSULATE THE BACK SIDE OF CEILING MOUNTED EXHAUST & RETURN AIR GRILLES/REGISTERS WITH 1" THICKNESS EXTERNAL DUCT INSULATION WITH CHARACTERISTICS SPECIFIED FOR EXTERNAL DUCT INSULATION.

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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA LICENSED No. 23369 PROFESSIONAL 04.24.26 ENGINEER J.R. EIRING

SHEET TITLE:
HVAC SCHEDULES, DETAILS AND NOTES

PROJ. MGR.: T. ZGOUVAS
DRAWN: C. WARD
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
M2.1

ZGOUVAS, EIRING & ASSOCIATES
CONSULTING ENGINEERS
800 S McDONOUGH STREET
MONTGOMERY, AL. 36104
334.263.4406
ZEA PROJECT NUMBER 25-212

PHP-A REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

SOFTBALL	Area	Clg Ht	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable ft³/1000 cu ft	Actual ft³/1000 cu ft	Max Allowed in space
BATTING CAGES 109	6230	10	62300	10	63	0.06	467.5	10	787.5	1255	0.8					5000	0.251					
Total			62300		63		467.5		787.5						0	5000		454b	30	3.1	0.481541	193.13

NOTE: CALCULATIONS FOR BASEBALL LOCKER ROOM ARE THE SAME — Cumulative CFM 1255

CCHP-B REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

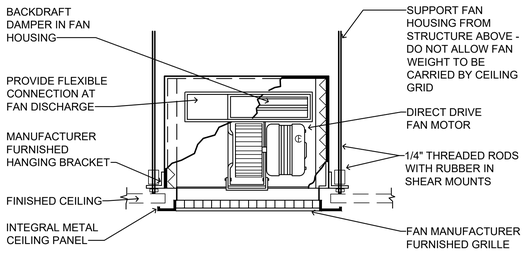
SOCCER	Area	Clg Ht	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable ft³/1000 cu ft	Actual ft³/1000 cu ft	Max Allowed in space
OFFICE 301	144	10	1440	5	1	0.06	11.25	5	6.25	17.5	0.8					400	0.04375					
Total			1440		1		11.25		6.25						0	400		454b	5	3.1	3.472222	4.464

NOTE: WILL PROVIDE TRANFERE GRILLE FOR REFRIG. — Cumulative CFM 17.5

CCHP-A REFRIGERANT, OUTDOOR AIR AND EXHAUST CALCULATIONS

SOFTBALL	Area	Clg Ht	Volume	Peo/1000 SF	# People	CFM/SF	Area CFM	CFM/Person	People CFM	Voz	Ez	# Fixtures	CFM/Fixt	CFM/SF	Min Exhaust	Supply Air	Zp EQ 4-5	Refrig	Lbs Refrig	Allowable ft³/1000 cu ft	Actual ft³/1000 cu ft	Max Allowed in space
LAUNDRY / TRAINING 103	200	10	2000	25	5	0.06	15	5	31.25	46.25	0.8					400	0.115625					
Total			2000		5		15		31.25						0	400		454b	5.5	3.1	2.75	6.2

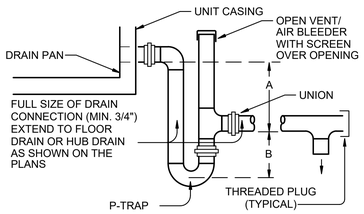
NOTE: CALCULATIONS FOR BASEBALL LOCKER ROOM ARE THE SAME — Cumulative CFM 46.25



CEILING MOUNTED EXHAUST FAN CONN. DETAIL

NO SCALE

PROVIDE BONDING JUMPER ACROSS FLEXIBLE CONNECTION AS SPECIFED SECTION 15700, PARAGRAPH FLEXIBLE CONNECTIONS AND BONDING JUMPERS



UNIT TYPE	A	B
DRAW-THRU	2" PLUS "X"	"X" PLUS 1"
BLOW-THRU	1" MINIMUM	2X PLUS 1"

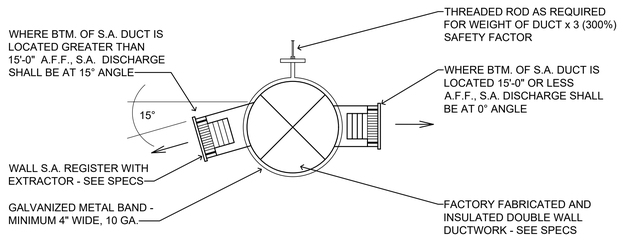
WHERE "X" = UNIT STATIC PRESSURE

TYPICAL EVAPORATOR COIL CONDENSATE DRAIN DETAIL

NOT TO SCALE

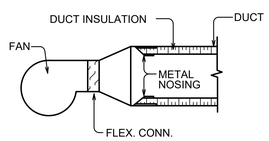
NOTES:

1. CONTRACTOR SHALL PROVIDE DRAIN ARRANGEMENT AS REQUIRED BY THE UNIT MANUFACTURER. IN ABSENCE OF THOSE REQUIREMENTS, CONTRACTOR SHALL PROVIDE DRAIN AS DETAILED ABOVE.
2. CONTRACTOR SHALL RAISE THE RESPECTIVE UNIT AS REQUIRED TO ALLOW FOR INSTALLATION OF THE DRAIN AS DETAILED ABOVE.
3. PROVIDE AN ELECTRIC SWITCH IN THE AUXILIARY CONDENSATE DRAIN LINE ON THE UNIT, THAT CONFORMS TO UL 508 AND UL 2043 (AS APPLICABLE), TO SHUT DOWN THE UNIT AND ALARM TO THE BUILDING ENERGY MANAGEMENT SYSTEM (BAS) OPERATOR CONSOLE (IF APPLICABLE) SHOULD THE LINE BECOME OBSTRUCTED.
4. PROVIDE UNIONS AT EACH CONDENSATE DRAIN LINE TRAP ASSEMBLY FOR ALL MINI-SPLIT SYSTEMS.
5. DUCTLESS MINI-SPLIT EQUIPMENT THAT PRODUCES CONDENSATE SHALL BE PROVIDED WITH AN INLINE CHECK VALVE LOCATED IN THE DRAIN LINE OR A TRAP AS REQUIRED BY IMC 307.2.4.1.
6. PER IMC 307.2.5, CONDENSATE DRAIN LINES SHALL BE CONFIGURED TO PERMIT THE CLEARING OF BLOCKAGES AND PERFORMANCE OF MAINTENANCE WITHOUT REQUIRING THE DRAIN LINE TO BE CUT.



TYP. EXPOSED ROUND DUCT / REGISTER MOUNTING DETAIL

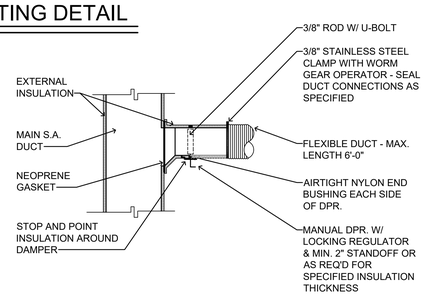
NOT TO SCALE



TYPICAL DUCT LINER INTERRUPTION DETAIL

NOT TO SCALE

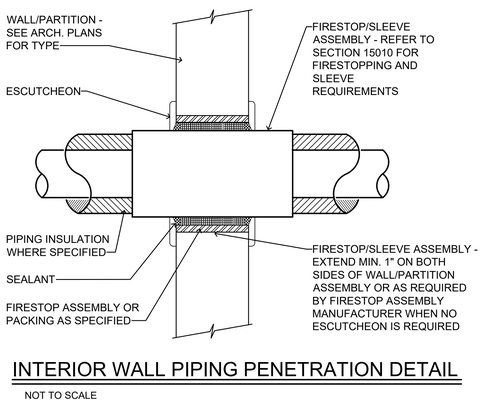
NOTE !! THIS DETAIL APPLIES TO FIRE DAMPER INSTALLATION, WHERE DUCTS CONNECT TO FAN SECTION, ANYWHERE BARE DUCT LINER PROTRUDES INTO THE AIRSTREAM, ANY POINT WHERE LINED DUCT IS PRECEDED BY UNLINED DUCT, BARE DUCT INSULATION EDGES THAT ARE EXPOSED IN THE RETURN AIR PLENUM, ETC. - SEE SPECS FOR ADDITIONAL REQUIREMENTS



ROUND BRANCH DUCT TAKE-OFF DETAIL

NOT TO SCALE

RECTANGULAR RUNOUTS SIMILAR EXCEPT WITH RECTANGULAR DUCT

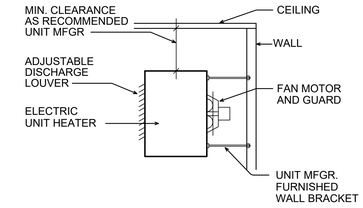


INTERIOR WALL PIPING PENETRATION DETAIL

NOT TO SCALE

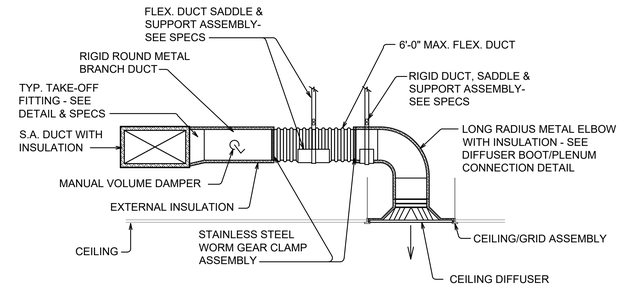
NOTES:

1. SEE SPEC SECTION 15010 FOR FIRESTOP AND SLEEVE REQUIREMENTS
2. DETAIL APPLIES TO ALL PIPING.
3. ONLY ONE PIPE PER ASSEMBLY ALLOWED.
4. WHERE PIPING IS EXPOSED IN FINISHED AREAS, PROVIDE ESCUTCHEONS OVER PENETRATIONS AND DELETE REQUIREMENT FOR EXTENDING OF THE SLEEVE/FIRESTOP ASSEMBLY 1" ON EACH SIDE OF THE PARTITION. TERMINATE FLUSH WITH WALL. DO NOT USE SPLIT TYPE ESCUTCHEONS NOR SPLIT TYPE SLEEVES.



WALL MOUNTED ELECTRIC UNIT HEATER DETAIL

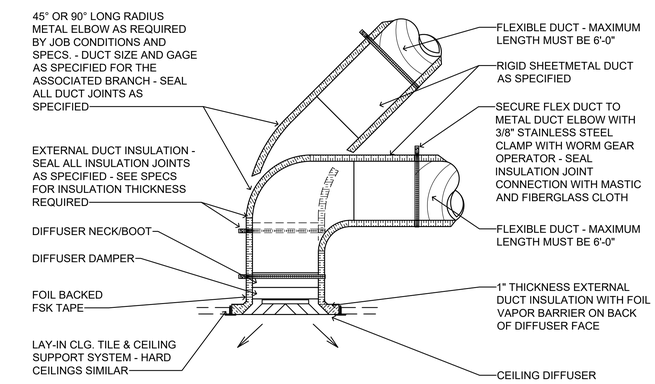
NOT TO SCALE



TYPICAL DIFFUSER RUN-OUT CONN.

NOT TO SCALE

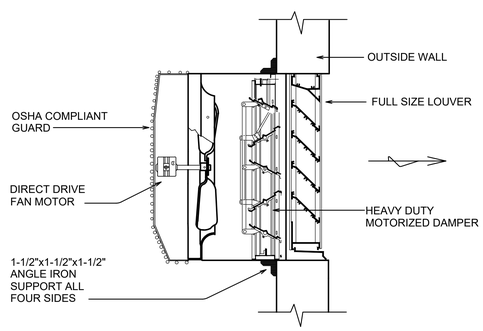
SEAL ALL DUCT AND INSULATION JOINTS AS SPECIFIED



DIFFUSER BOOT/PLENUM CONNECTION DETAIL

NOT TO SCALE

1. DIFFUSERS PANELS SHALL BE INSULATED PRIOR TO INSTALLING INTO THE CEILING GRID
2. DO NOT COVER STAINLESS STEEL BAND AND WORM GEAR OPERATOR UNTIL THE ENGINEER HAS INSPECTED THE INSTALLATION.



WALL MOUNTED DIRECT DRIVEN PROPELLER FAN DETAIL

NOT TO SCALE

LATHAN ▪ McKEE ARCHITECTS

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334.263.4406
ZEA PROJECT NUMBER 25-212

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA No. 23369 PROFESSIONAL 04.24.26 ENGINEER

SHEET TITLE: HVAC DETAILS

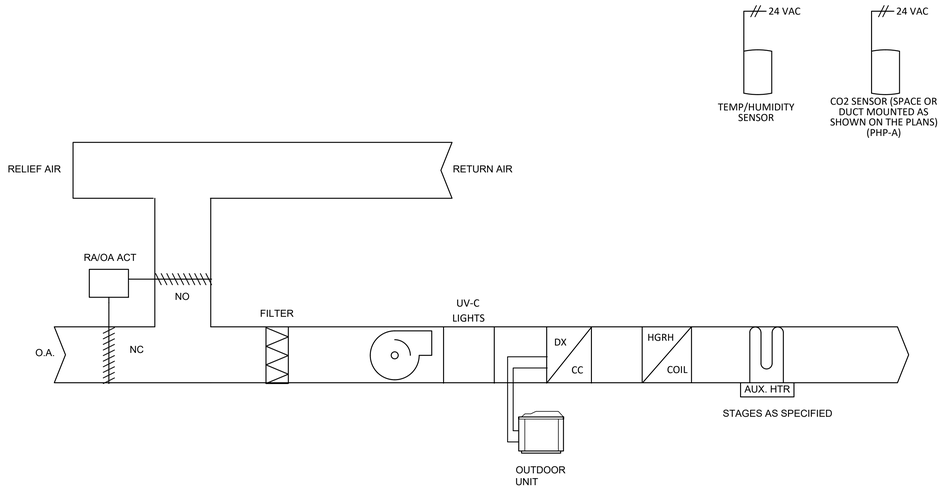
PROJ. MGR.:	T. ZGOUVAS
DRAWN:	C. WARD
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: M2.2

0 1" 2"

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SPLIT SYSTEM HEAT PUMP UNIT & HOT GAS REHEAT COIL WITH DEMAND CONTROL VENTILATION CONTROLS SCHEMATIC (PHP-1/HP-2 SIMILAR)

Split System Heat Pump Unit Sequence of Operation

Smoke Detector Shutdown (As Applicable):

The unit shall shut down in response to a signal from the smoke detector in the return air duct(s) indicating the presence of smoke. The smoke detectors shall be interlocked to the unit through the dry contacts of the smoke detector. A manual reset of the smoke detector shall be required to restart the unit. Coordinate the quantity of smoke detectors required with the plans. Smoke detectors are furnished and wired by division 16. Installation into the duct by the mechanical contractor. Coordinate all prior to bid and provide as specified.

Occupied Mode:

Coordinate all programmable thermostat scheduling and temperatures with Owner an provide as requested. During occupied periods, the supply fan shall run upon a call for heating or cooling, the normally closed (NC) outside air damper and normally open (NO) return air damper(s) as applicable, shall open to their respective setpoints to provide for their minimum scheduled outside air setpoint. The heat pump DX cooling or heating cycle shall stage to maintain the occupied space temperature setpoint.

Unoccupied Mode:

Coordinate all programmable thermostat scheduling and temperatures with Owner an provide as requested. When the space temperature is below the unoccupied heating setpoint of 60.0 deg. F (adj.) the supply fan shall start, the NC outside air damper shall remain closed, the NO return air damper (as applicable) shall remain open and the DX heating cycle shall be enabled. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. F (adj.) plus the unoccupied differential of 4.0 deg. F (adj.), the heating cycle shall be disabled, the supply fan shall stop, the NC outside air damper shall remain closed and the NO return air damper (as applicable) shall remain in its NO position.

When the space temperature is above the unoccupied cooling setpoint of 85.0 deg. F (adj.), the supply fan shall start, the NC outside air damper shall remain closed, the NO return air damper (as applicable) shall remain open and the DX cooling cycle shall be enabled. When the space temperature falls below the unoccupied cooling setpoint of 85.0 deg. F (adj.) minus the unoccupied differential of 4.0 deg. F (adj.) the cooling cycle shall be disabled, the supply fan shall stop, the NC outside air damper shall remain closed and the NO return air damper (as applicable) shall remain open.

Cooling Mode:

The unit thermostat shall use space temperature and space temperature setpoint to determine when to initiate requests for cooling. When the space temperature rises above the setpoint, the unit thermostat shall stage the DX cooling as required to maintain the space temperature setpoint. The first compressor (as applicable) shall energize after its minimum 3-minute off time has expired. If additional cooling capacity is required the second stage (as applicable) of cooling shall be enabled. Once the space temperature falls below the setpoint the compressors shall be deactivated and system returns to its occupied/unoccupied cooling schedule.

Heating Mode:

The unit thermostat shall use the space temperature and space temperature setpoint to determine when to initiate requests for heat. When the space temperature drops below the setpoint, the unit thermostat shall enable DX heating stage or auxiliary heater when ambient temperature is below 35°F (adj.) to maintain the space temperature setpoint. Once the space temperature rises above the setpoint the compressor(s) or auxiliary electric heating stages shall be disabled.

CO2 Control/Demand Ventilation (PHP-A ONLY):

A space CO2 sensor shall modulate the motorized outside air, return air and relief damper(s) in sequence to maintain a minimum concentration of 800 PPM (adj.). Upon satisfaction of the CO2 sensor setpoint, the outside air damper shall return to its minimum scheduled outside air setpoint and the the return air damper shall modulate up or down based on the outside air damper requirement. HP-4 does not require demand control ventilation.

Dehumidification/Humidity Control:

Factory installed hot gas reheat coil shall allow for the application of dehumidification.

Dehumidification shall be allowed. The outside air damper shall drive to between its minimum and maximum scheduled outside air setpoint based on the CO2 readings (as applicable) during dehumidification.

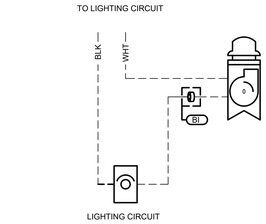
On a call for dehumidification, the compressor shall be locked out of the heating mode, the compressor cooling mode shall be enabled and the hot gas reheat valve shall modulate or modulate the auxiliary resistance heater (as specified above) as required to maintain space temperature. When the humidity control setpoint is satisfied, the hot gas reheat coil valve shall close or the auxiliary heater shall modulate off and the compressor shall be disabled. If there is a call for cooling from the space temperature thermostat, while in reheat, the reheat valve shall be de-energized and the compressor continues to run.

Condensate Drain Blockage for ALL Units:

Provide an electronic switch in each condensate drain line and auxiliary drain pan with interface as required to shut down the unit should an obstruction occur in the condensate drain line. Upon detection of an obstruction in the condensate drain line the unit shall shutdown.

UV-C Lights:

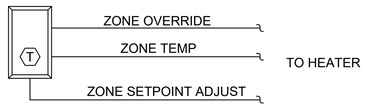
Units with UV-C lights shall cycle/operate and be located as required by the UV-C lighting Manufacturer.



EXHAUST FAN CONTROL SCHEMATIC

OCCUPIED/UNOCCUPIED MODE:

TOILET/JAN. CLOSET EXHAUST FAN SHALL OPERATE ANYTIME THE LIGHTING SWITCH IS TURNED ON. FAN SHALL OPERATE FOR A MAXIMUM OF 10 MINUTES (ADJ.) AFTER LIGHT SWITCH HAS TURNED OFF OR, IN ABSENCE OF THE SWITCH BEING TURNED OFF, FOR A MAXIMUM OF 10 MINUTES (ADJ.)



ELECTRIC UNIT HEATERS CONTROLS SCHEMATIC

ELECTRIC UNIT HEATERS SEQUENCE OF OPERATION

System Interface:

The space thermostat shall send a signal to the respective heater to energize when temperature setpoint is above/below the Owner's required setpoints and requested occupied/unoccupied setpoints.

Occupied Mode:

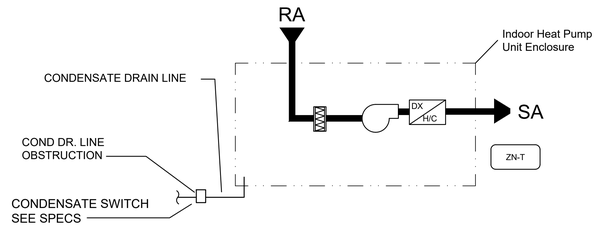
Upon a call for heating during occupied periods the heater fan shall run and the electric heat shall stage to maintain the active space temperature setpoint.

Unoccupied Mode:

When the space temperature is below the unoccupied heating setpoint of 60.0 deg. f (adj.), the supply fan shall start and the electric heat shall energize. When the space temperature rises above the unoccupied heating setpoint of 60.0 deg. f (adj.) plus the unoccupied differential of 2.0 deg. f (adj.) the supply fan shall stop and the electric heat shall de-energize subject to the heater safeties.

Miscellaneous:

All unit heaters shall be wired through an outdoor temperature sensor on the north facing wall and wired to each unit heater to lock out the heater anytime the outdoor temperature is above 45ºF (adj).



CONSOLE TYPE DUCTLESS HEAT PUMP (DHP) CONTROLS SCHEMATIC

NOTE: CASSETTE UNITS SIMILAR

DHP HEAT PUMP UNITS SEQUENCE OF OPERATION

OCCUPIED MODE:

DHP units shall operate in continuous occupied mode. Cassette units shall operate as specifed for split system heat pump units.

UNOCCUPIED MODE:

Cassette units shall be as specified for split system heat pump units.

COOLING/HEATING MODE:

The unit controller shall use space temperature and space temperature setpoint to determine when to initiate requests for cooling or heating. When the space temperature rises above the setpoint, the unit controller shall stage the DX cooling or heating as required to maintain the space temperature setpoint.

CONDENSATE DRAIN BLOCKAGE:

Provide an electronic switch in each condensate drain line and auxiliary drain pan with interface as required to shut down the unit should an obstruction occur in the condensate drain line or moisture is indicated in the auxiliary drain pan. Upon detection of an obstruction in the condensate drain line or moisture is proven in the auxiliary drain pan, the unit shall shutdown.

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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED No. 23369 PROFESSIONAL 04.24.26 ENGINEER J.R. EIRING

SHEET TITLE:
HVAC CONTROLS

PROJ. MGR.:	T. ZGOUVAS
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M3.1

0 1" 2"

ELECTRICAL LEGEND

CEILING OUTLETS

- A (2) RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A (2) RECESSED 2' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- A 2 RECESSED 1' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A 2 RECESSED 1' X 4' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- A (2) RECESSED 2' X 2' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL
- A (2) RECESSED 2' X 2' LED FIXTURE MARK "A" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- FS 2 SURFACE OR PENDANT MOUNTED LED STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL
- FS 2 SURFACE OR PENDANT MOUNTED LED STRIP FIXTURE MARK "FS" CIRCUIT No. 2 TYPICAL "EMERGENCY POWER"
- RECESSED OR SURFACE MOUNT DOWNLIGHT
- RECESSED OR SURFACE MOUNT DOWNLIGHT "EMERGENCY POWER"
- SURFACE OR PENDANT MOUNTED ROUND FIXTURE
- J JUNCTION BOX
- EXIT LIGHT
- EF EXHAUST FAN
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED.
- G DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. CEILING MOUNTED.
- INDUSTRIAL CORD REEL WITH PORTABLE NEMA 5-20R GFI DUPLEX OUTLET BOX EQUAL TO HUBBELL MODEL #HBL45123R20, SUSPEND FROM STRUCTURE ABOVE

WALL OUTLETS

1. ALL 120V RECEPTACLES ON THIS PROJECT SHALL BE TAMPER PROOF TYPE PER THE NATIONAL ELECTRIC CODE.

- WALL MOUNTED COMBO EXIT LIGHT/EMERGENCY
- WALL MOUNTED LIGHTING FIXTURE
- WALL MOUNTED LIGHTING FIXTURE "EMERGENCY POWER"
- BATTERY OPERATED EMERGENCY WALL PACK
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- G DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- W DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE; OUTLET BOX HOODS SHALL BE IDENTIFIED AS "EXTRA-DUTY"
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- G DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER
- G QUADRAPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- QUADRAPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
- QUADRAPLEX RECEPTACLE – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 6" ABOVE COUNTER UNLESS NOTED OTHERWISE
- DUPLEX RECEPTACLE – 20 AMP, 125 VOLT, GFI, 3 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
- DUPLEX RECEPTACLE FOR T.V. – 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R. MT 18" AFF TO C/L
- 250V RECEPTACLE; 4 WIRE; MT 14" AFF TO C/L; NEMA 14-30R; HUBBELL SERIES 9350
- SINGLE RECEPTACLE – 30 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA L6-30R. MOUNT AS DIRECTED FOR RACK UPS SYSTEM
- Z J H JUNCTION BOX SIZE NOTED OR REQUIRED, WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
- P PHOTOCELL; TORK MODEL 5231 (120V), TWIST RECEPTACLE: TORK 2421.

DEMOLITION DEVICES

- TYPICAL DOWNLIGHT TO BE REMOVED
- TYPICAL RECESSED LIGHT TO BE REMOVED
- TYPICAL SURFACE/PENDANT LIGHT TO BE REMOVED
- TYPICAL EMERGENCY EGRESS FIXTURE TO BE REMOVED
- TYPICAL WALL MOUNTED DEVICE TO BE REMOVED
- TYPICAL COMMUNICATION OUTLET TO BE REMOVED
- TYPICAL ELECTRICAL EQUIPMENT TO BE REMOVED
- TYPICAL SWITCH TO BE REMOVED
- TYPICAL DIMMER SWITCH TO BE REMOVED
- TYPICAL EXHAUST FAN TO BE REMOVED

EX:RL EXISTING EQUIPMENT TO BE REMOVED AND RELOCATED
EX:RD EXISTING EQUIPMENT THAT HAS BEEN RELOCATED
EX:RR EXISTING EQUIPMENT TO BE REMOVED AND REPLACED
EX:RW EXISTING EQUIPMENT TO BE REWORKED

EXISTING DEVICES

- TYPICAL LIGHTS TO REMAIN
- TYPICAL WALL MOUNTED DEVICE TO BE REMAIN
- TYPICAL ELECTRIACL EQUIPMENT TO BE REMAIN, SEE POWER RISER.

TELEPHONE & TELEVISION SYSTEMS

- WALL COMMUNICATIONS OUTLET – SEE DETAILS ON E4 SERIES
- C WALL COMMUNICATIONS OUTLET, MOUNTED ABOVE COUNTER – SEE DETAILS ON E4 SERIES
- WIRELESS ACCESS POINT – SEE DETAILS ON E4 SERIES
- TBB TELEPHONE BACKBOARD – 3/4" EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH, SIZE AS SHOWN
- TV TELEVISION CABLE WALL OUTLET WITH COAXIAL SCREW JACK AND COVERPLATE; MT 18" AFF TO C/L
- COMMUNICATIONS FLOOR RACK – SEE DETAILS SHEET E6.2.

PANELS AND POWER

- PANELBOARD
- PANELBOARD FLUSH MOUNTED
- CON CONTROL PANEL
- NON-FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING
- FUSIBLE DISCONNECT SWITCH; XX/YY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING; FURNISH AND INSTALL FUSES PER MANUFACTURER'S RECOMMENDATIONS
- ELECTRIC METER
- GROUNDING ELECTRODE CONNECTION

WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)

- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT
- S_3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT
- S_M MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 20 AMP, 120/277 VOLT
- 30/1 S_M MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS A.C. TYPE, 30 AMP, 120/277 VOLT
- S_{M2} MOTOR RATED TOGGLE SWITCH DISCONNECT, WITH THERMAL OVERLOADS DOUBLE POLE SINGLE THROW, A.C. TYPE, 30 AMP, 208 VOLT
- S_T PRESET INTERVAL TIMER SWITCH, HUBBELL TD-300 SERIES OR EQUALS
- PUSH BUTTON, TOGGLE SWITCH, ROTARY SWITCH, ETC., FURNISHED WITH EQUIPMENT BY OTHERS, INSTALLED AND WIRED BY THE ELECTRICAL CONTRACTOR.

FIRE ALARM SYSTEM

- FACP FIRE ALARM SYSTEM CONTROL PANEL
- ANN FIRE ALARM SYSTEM REMOTE ANNUNCIATOR
- FPC FIRE ALARM SYSTEM FIRE PUMP CONTROLLER
- NAC FIRE ALARM SYSTEM NOTIFICATION APPLIANCE CIRCUIT
- F FIRE ALARM SYSTEM MANUAL PULL STATION
- S FIRE ALARM SYSTEM VOICE EVAC SPEAKER,
- S FIRE ALARM SYSTEM VOICE EVAC SPEAKER/STROBE,
- FIRE ALARM SYSTEM SIGNAL SPEAKER/STROBE;
- H FIRE ALARM SYSTEM SIGNAL HORN;
- H FIRE ALARM SYSTEM SIGNAL HORN/STROBE;
- HWP WEATHERPROOF FIRE ALARM SYSTEM SIGNAL HORN;
- F FIRE ALARM SYSTEM MINI-HORN MT.
- F FIRE ALARM SYSTEM MINI-HORN/STROBE
- FIRE ALARM SYSTEM STROBE;
- TS FIRE ALARM SYSTEM TAMPER SWITCH
- FS FIRE ALARM SYSTEM FLOW SWITCH
- HD FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED
- SD FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED
- SD_E FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR; CEILING MOUNTED, ELEVATOR RECALL
- SD_{CO} FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR WITH CO DETECTOR BASE; CEILING MOUNTED
- DD FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN MECHANICAL DUCT
- RT FIRE ALARM SYSTEM REMOTE TEST STATION
- ZC FIRE ALARM SYSTEM ZONE MODULE, CONTROL TYPE
- ZM FIRE ALARM SYSTEM ZONE MODULE, MONITOR TYPE
- FIRE ALARM SYSTEM MAGNETIC DOOR HOLDERS
- F FIRE ALARM SYSTEM SUPERVISED CIRCUITING IN CONDUIT, RACEWAY INSTALLED CONCEALED
- FIRE ALARM SYSTEM FIREMANS PHONE; MOUNT 48" AFF TO C/L

BRANCH CIRCUITING

- RUN CONCEALED UNDER FLOOR OR IN GRADE
- RUN CONCEALED IN CEILING OR WALLS
- LA-1 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND – 3/4" C; 3 #12, 1 #12 GROUND – 3/4" C; 4 #12, 1 #12 GROUND – 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LA-1 10 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #10, 1 #10 GROUND – 3/4" C; 3 #10, 1 #10 GROUND – 3/4" C; 4 #10, 1 #10 GROUND – 1" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- LA-1 8 HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #8, 1 #10 GROUND – 1" C; 3 #8, 1 #10 GROUND – 3/4" C; 4 #8, 1 #10 GROUND – 1 1/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
- 6 WHERE A NUMBER IS SHOWN NEXT TO OR ON THE CIRCUIT OR HOMERUN. THE NUMBER INDICATES CONDUCTOR SIZE OTHER THAN #12 – NUMBER #6 CONDUCTORS INDICATED. PROVIDE GROUND SIZED PER NEC TABLE 250-95 FOR MAX AMPACITY OF CONDUCTOR SIZE AS SHOWN. SIZE CONDUIT PER NEC ANNEX C.
- LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
- SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES

MISCELLANEOUS

A	AMPERE
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
AIC	AMPERE INTERRUPTING CAPACITY
ATS	AUTOMATIC TRANSFER SWITCH
C	CONDUIT
CL	CENTER LINE
CWP	COLD WATER PIPE
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
GFI	GROUND FAULT INTERRUPTER
GRC	GALVANIZED RIGID METAL CONDUIT
GRD	GROUND
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MLO	MAIN LUGS ONLY
MT	MOUNT
N	NEUTRAL
NIC	NOT IN CONTRACT
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURER'S ASSOC.
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NTS	NOT TO SCALE
P	POLE
PF	POWER FACTOR
PH	PHASE
PNL	PANEL
PVC	PVC (POLYVINYL CHLORIDE) CONDUIT
SLD	SINGLE LINE DIAGRAM
TBB	TELEPHONE BACKBOARD
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSORS
UL	UNDERWRITER'S LABORATORY
U.N.O.	UNLESS NOTED OTHERWISE
V	VOLTAGE
W	WIRE
WP	WEATHERPROOF
#	NUMBER
3R	NEMA 3R WEATHERPROOF ENCLOSURE
4X	NEMA 4X WEATHERPROOF/CORROSION ENCLOSURE

MISCELLANEOUS EQUIPMENT

- C CONTACTOR
- WH WATER HEATER

LIGHTING CONTROLS

- OS CEILING MOUNTED OCCUPANCY SENSOR
- PP POWER PACK FOR OCCUPANCY SENSOR
- L1 ROOM CONTROLLER – 1 ZONE DIMMING
- L2 ROOM CONTROLLER – 2 ZONE DIMMING
- LE ROOM CONTROLLER – EMERGENCY LIGHTING UL924 DEVICE
- RC ROOM CONTROLLER – ON/OFF NO DIMMING
- D1 WALL DIMMER – ON/OFF & 0-10V 1-ZONE DIMMING
- D2 WALL DIMMER – ON/OFF & 0-10V 2-ZONE DIMMING
- S_L LOW VOLTAGE SWITCH, 2-BUTTON
- S_{LX} LOW VOLTAGE SWITCH CONNECTED TO LIGHITNG CONTROL PANEL, 2-BUTTON
- S_{01} OCCUPANCY SENSOR WALL SWITCH, ULTRASONIC TECHNOLOGY, 1-BUTTON SIMILAR TO HUBBELL LIGHT HAWK 2

*COORDINATE WITH LIGHTING CONTROL DETAILS FOR MORE REQUIREMENTS

GENERAL ELECTRICAL NOTES:

1. THE SERVICE VOLTAGE TO THE FACILITY IS 277/480 VOLT, 3 PHASE, 4 WIRE.
2. INSTALLATION SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, STATE AND LOCAL CODES, AND MANUFACTURER'S RECOMMENDATIONS.
3. MAINTAIN ALL CLEARANCES FOR ELECTRICAL EQUIPMENT PER THE NEC.
4. COORDINATE ROUGH-IN OF ALL ELECTRICAL DEVICES WITH ARCHITECTURAL FLOOR PLANS, ELEVATIONS AND MILLWORK SHOP DRAWINGS PRIOR TO ROUGH-IN. AVOID ALL BACKSPLASHES AT COUNTERS.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD, AND COORDINATING WORK WITH OTHER TRADES TO AVOID CONFLICTS.
6. VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL BEFORE ROUGH-IN OF LIGHT SWITCHES TO ENSURE PROPER SWITCH LOCATION.
7. THE LOCATION OF OUTLETS, FIXTURES, AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE, OFFSET AS NEEDED OR AS REQUESTED BY THE OWNER. THE OWNER SHALL HAVE THE RIGHT TO RELOCATE ANY OUTLETS OR FIXTURES BEFORE THEY ARE INSTALLED WITHOUT ANY ADDITIONAL COST.
8. COORDINATE EXACT LOCATION OF ALL ELECTRICAL FLOOR DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.
9. ALL CONDUIT SIZE SHALL BE A MINIMUM 3/4" UNLESS NOTED OTHERWISE IN THE DRAWINGS OR SPECIFICATIONS.
10. ALL ELECTRICAL RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED WITHIN THE CONFINES OF THE BUILDING FOUNDATIONS EXCEPT THOSE SPECIFICALLY SERVING LOADS OR EQUIPMENT EXTERIOR OF THE BUILDING. ALL SUCH RACEWAYS SHALL BE A MINIMUM 18" INSIDE FOUNDATIONS AND POWER AND COMMUNICATIONS RACEWAYS SHALL BE SEPARATED BY A MINIMUM 18".
11. ALL CONDUITS INSTALLED UNDERFLOOR SHALL BE ROUTED UNDER STRUCTURAL CONCRETE FLOOR SLABS. CONTRACTOR SHALL NOT INSTALL CONDUITS IN CONCRETE FLOORING WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER. CONDUITS PENETRATING THRU CONCRETE FLOORS SHALL ADHERE TO THE ELECTRICAL SPECIFICATIONS AND RECOMMENDATIONS OF THE STRUCTURAL ENGINEER.
12. ALL RACEWAYS INSTALLED ON EXTERIOR OF THE BUILDING, INCLUDING CONDUIT UNDER CANOPIES, SHALL BE GRC. EMT WILL NOT BE ACCEPTED.
13. ALL RACEWAYS SHALL BE SUPPORTED PER NEC AND AT LEAST EVERY 10' AND WITHIN 3' OF EVERY JUNCTION BOX. RACEWAYS SUPPORTED ON BOTTOM OF SECONDARY CEILING SHALL BE SUPPORTED FROM THE STRUCTURE NOT FROM THE GYPBOARD CEILING.
14. ALL EMPTY WALL MOUNTED JUNCTION BOXES SHALL BE PROVIDED WITH A WALL BLANK AND ALL EMPTY RACEWAYS SHALL BE PROVIDED WITH A PULL WIRES.
15. PROVIDE ALL CONDUIT STUBS WITH A PROTECTIVE COLLAR.
16. INSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER INTERNATIONAL BUILDING CODE 712 AND WITH AN UL APPROVED DEVICE OR FIRE CAULK. REFER TO ARCHITECTURAL PLANS FOR THE LOCATIONS OF RATED FIRE WALLS AND UL ASSEMBLY LOCATIONS AND TYPES AND BID ACCORDINGLY.
17. PROVIDE A CONDUIT EXPANSION JOINTS WITH BONDING JUMPER IN ALL CONDUITS CROSSING AN EXPANSION JOINT. REFER TO ARCHITECTURAL DRAWINGS FOR EXPANSION JOINT LOCATIONS.
18. ALL UNDERGROUND CONDUITS RUNS ENTERING THE BUILDING SHALL BE SEALED TO PREVENT THE ENTRANCE OF MOISTURE.
19. ALL FLEXIBLE CONDUITS ON THE EXTERIOR, IN WET LOCATIONS OR ANY MECHANICAL ROOM SHALL BE LIQUID TIGHT WITH SUITABLE FITTINGS.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING AROUND DEVICES, PENETRATIONS, OUTLETS, AND CONDUITS THAT PENETRATE THE WALLS ABOVE THE CEILING TO MAINTAIN SOUNDPROOFING. CONTRACTOR SHALL VERIFY THAT THE OPENINGS SIZES ARE LESS THAN 1/2" ON ALL SIDES OF THE PENETRATIONS. ALL OPENINGS IN EXCESS OF 1/2" SHALL BE CAULKED/SEALED WITH SHEET ROCK MUD. THE DRYWALL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING PENETRATIONS IN PLACE WHEN THE SHEETROCK ARE INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS FINISHED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
21. PLANNED INTERRUPTIONS OF UTILITY SERVICE TO ANY EXISTING FACILITY OR AREAS WITHIN ANY FACILITY AFFECTED BY THIS CONTRACT, SHALL BE CAREFULLY PLANNED AND COORDINATED IN ADVANCE OF THE REQUESTED INTERRUPTION. THE CONTRACTOR SHALL NOT INTERRUPT SERVICES UNTIL SPECIFIED APPROVAL HAS BEEN GRANTED. THE REQUEST SHALL INDICATE SERVICES AND AREAS TO BE AFFECTED, DATE AND TIME OF INTERRUPTION AND DURATION OF OUTAGE. REQUEST FOR INTERRUPTION OF SERVICE WILL NOT BE APPROVED UNTIL ALL EQUIPMENT AND MATERIAL REQUIRED FOR THE COMPLETION OF THAT PARTICULAR PHASE OF WORK ARE ON THE JOB SITE. CONTRACTOR IS RESPONSIBLE FOR ALL OVERTIME, HOLIDAY, AND WEEKEND PAY TO THEIR EMPLOYEES TO DO THIS WORK DURING SCHEDULED NON-NORMAL WORK HOURS.
22. BUILDING OWNER MUST RECEIVE RECORD DRAWINGS AND MANUALS THAT PROVIDE INSTRUCTIONS ABOUT THE OPERATION AND MAINTENANCE OF THE BUILDING'S ELECTRICAL DISTRIBUTION SYSTEM.
23. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS. PROVIDE PROPER NUMBER OF POWER PACKS AND LOCATE POWER PACKS AND OCCUPANCY SENSORS ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
24. ALL JUNCTION BOX COVERS ABOVE THE CEILING SHALL BE CLEARLY MARKED WITH WHICH CIRCUITS OR ELECTRICAL SYSTEM THEY CONTAIN.
25. HVAC EQUIPMENT POWER WIRING SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. CONTROL EQUIPMENT AND CONTROL WIRING SHALL BE FURNISHED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. PROVIDE 3/4" CONDUITS WITH PULL WIRE BETWEEN INSIDE AND OUTSIDE UNITS, THERMOSTAT OUTLETS AND UNITS AND/OR MECHANICAL CONTROL PANEL AS APPLICABLE. THERMOSTAT OUTLETS SHALL BE 4" SQUARE OUTLETS, FLUSH MOUNTED WITH SINGLE GANG OR DOUBLE GANG PLASTER RINGS AS DIRECTED BY THE HVAC CONTRACTOR. COORDINATE EXACT LOCATION OF ALL EQUIPMENT, DEVICES, OUTLETS, ETC, WITH THE MECHANICAL DRAWINGS AND DIVISION 15 SPECIFICATIONS. COORDINATE WITH THE HVAC CONTRACTOR FOR EXACT LOCATIONS OF ALL EQUIPMENT.

GENERAL DEMOLITION NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL EXISTING CONDITIONS PRIOR TO BID AND BIDDING ACCORDINGLY.
2. ELECTRICAL DEVICES SHOWN IN BOLD INDICATES NEW WORK. ELECTRICAL DEVICES THAT ARE SHOWN IN LIGHT PEN AND DASHED INDICATE EXISTING DEVICES TO REMAIN.
3. ALL DEMOLITION WORK SHALL BE PERFORMED WITH CARE NOT TO DISTURB THE OTHER EXISTING UTILITIES. IF EXISTING UTILITIES ARE DAMAGED BY THE CONTRACTOR, THE EXISTING UTILITIES ARE TO FIXED TO IT'S ORIGINAL CONDITION WITHOUT DELAY, BY AND AT THE EXPENSE OF THE CONTRACTOR.
4. LEGEND SYMBOLS ARE TYPICAL AND LOCATIONS ARE APPROXIMATE AND ARE NOT INTENDED TO LIMIT THE AMOUNT OF DEMOLITION WORK. COORDINATE WITH EXISTING CONDITIONS AND THESE NOTES AND REMOVE ALL APPLICABLE SYSTEMS AND COMPONENTS CONFLICTING WITH FINISHED DESIGN INTENT.
5. EXISTING BRANCH WIRING AND DEVICES SHOWN IS DIAGRAMMATICAL ONLY BASED ON EXISTING DRAWINGS AND SURVEYS. COORDINATE WITH ACTUAL EXISTING CONDITIONS FOR EXACT LOCATIONS.
6. TRENCH, CUT AND REMOVE EXISTING SURFACES AS REQUIRED FOR THE INSTALLATION OF ALL NEW ELECTRICAL PROVISIONS.
7. CONCEALED CONDUIT THAT CANNOT BE REMOVED DUE TO INACCESSIBILITY MAY BE ABANDONED. CONDUCTORS SHALL BE REMOVED AND CONDUIT CUT FLUSH WITH SURFACE.
8. OUTLET BOXES THAT CANNOT BE REMOVED DUE TO FLUSH MOUNTING IN PARTITIONS SHALL BE FILLED WITH GROUT, PATCHED AND FINISHED FLUSH TO MATCH EXISTING WALL SURFACE.
9. EXISTING JUNCTION BOXES MAY BE USED AS NOTED IF OF THE PROPER SIZE. MODIFICATIONS SHALL BE MADE WHEN REQUIRED SUCH AS PROVIDING EXTENSION RINGS, LOCKNUTS, BUSHINGS, ETC.
10. EXISTING PANELBOARDS SHALL BE UTILIZED TO FACILITATE THE WORK AS SHOWN ON THE DRAWINGS. NEW CIRCUIT BREAKERS SHALL BE OF THE SAME MANUFACTURER (WHENEVER POSSIBLE), FRAME SIZE, AIC RATING AND TYPE AS EXISTING. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL MATERIALS FOR PANELBOARDS TO PROPERLY MEET THE INTENT OF THE DRAWINGS.
11. WHEN EXISTING DEVICES, SWITCHES, EQUIPMENT ETC., ARE NOTED TO BE REMOVED AND THE CIRCUIT(S) SERVING SUCH ITEMS SERVES OTHER ITEMS OR DEVICES WHICH ARE TO BE MAINTAINED, THE CONTRACTOR SHALL REROUTE, EXTEND, MODIFY, ETC., EXISTING CIRCUITS AS REQUIRED TO MAINTAIN COMPLETE AND OPERATING SYSTEMS.
12. CONTRACTOR IS RESPONSIBLE FOR ALL ITEMS TO BE DEMOLISHED.

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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED
Kenneth Ray Gunn Jr.
No. 24393
PROFESSIONAL
04/24/2026
ENGINEER
KENNETH RAY GUNN JR

SHEET TITLE:
ELECTRICAL LEGEND & NOTES

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111
SHEET NO:
E0.1

0 1" 2"

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E0.1.dwg
- Tuesday, May 5, 2026 5:04:01 PM

UNDERGROUND UTILITY NOTES:

1. THE UNDERGROUND UTILITY PORTION OF THIS PROJECT CONSISTS OF BUT IS NOT LIMITED TO:
   a. TRENCHING/BACKFILLING FOR DUCT LINES AND CONDUIT SYSTEMS
   b. DUCTBANK INSTALLATIONS
   c. LOW VOLTAGE CONDUCTOR INSTALLATION
   d. PATCH/REPAIR ALL DAMAGED SURFACES AS A RESULT OF DUCTLINE INSTALLATIONS
2. INSTALLATION SHALL COMPLY WITH THE REQUIREMENTS OF THE NATIONAL ELECTRICAL SAFETY CODE (NESC) AND THE NATIONAL ELECTRICAL CODE (NEC).
3. ALL CONDUCTIVE PARTS OF EQUIPMENT, ENCLOSURES, SUPPORTS, FRAMES, CASES, CONDUIT SYSTEMS AND SURGE ARRESTORS, CABLE SHEATHS, CABLE SHIELDS, COMMON NEUTRALS, ETC., SHALL BE GROUNDED. UNLESS NOTED OTHERWISE CONNECTIONS BELOW GRADE SHALL BE FUSION-WELDED AND ABOVE GRADE FUSION-WELDED OR BOLTED SOLDERLESS. ALL GROUND CONDUCTORS SHALL BE COPPER.
4. ALL CLEARANCES SHALL BE MAINTAINED PER NESC AND NEC. ALL PARTS, DEVICES, EQUIPMENT, ETC. WHICH REQUIRE MAINTENANCE, ADJUSTMENT, OPERATION OR EXAMINATION DURING NORMAL NETWORK OPERATION SHALL BE ARRANGED SO AS TO BE ACCESSIBLE BY THE PROVISION OF ADEQUATE WORKING SPACES, WORKING FACILITIES AND CLEARANCES. UNLESS NOTED OTHERWISE ALL CLEARANCES ARE MEASURED FROM SURFACE TO SURFACE.
5. ALL DIMENSIONS INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
6. UNLESS OTHERWISE SHOWN OR DIRECTED DUCT LINES SHALL NOT BE LOCATED DIRECTLY UNDER STRUCTURES AND NOT DIRECTLY UNDER OR OVER OTHER SUBSURFACE STRUCTURES. WHERE DUCT LINES ARE REQUIRED TO CROSS OTHER UTILITIES SUCH AS SEWERS, WATER LINES, OTHER POWER LINES, COMMUNICATION LINES, ETC., ADEQUATE SUPPORT SHALL BE PROVIDED ON EACH SIDE OF THE CROSSING TO PREVENT TRANSFERRING ANY DIRECT LOAD ONTO THE OTHER LINE. DUCT LINES SHALL BE SO INSTALLED AS TO PREVENT HEAT TRANSFER BETWEEN ANY HEAT PRODUCING LINES AND/OR EQUIPMENT TO DUCT LINES.
   a. ROUTING SHOWN ON DRAWINGS IS TYPICAL AND THE CONTRACTOR SHALL PROPOSE FINAL ROUTING BASED UPON ACTUAL FIELD DIMENSIONS, CONDITIONS AND EXISTING UNDERGROUND UTILITIES AND STRUCTURES.
   b. PRIOR TO TRENCHING, THE CONTRACTOR SHALL STAKE OUT THE ENTIRE NETWORK ARRANGEMENT. ONE GRADE A WOODEN STAKE WITH RED FLAG SHALL BE DRIVEN EVERY 50'-0" AND AT EACH CHANGE OF DIRECTION. FOUR STAKES SHALL BE DRIVEN TO OUTLINE EQUIPMENT AND/OR MANHOLE LOCATIONS. ON PAVEMENTS RED PAINT SHALL BE USED TO OUTLINE THE AREAS TO BE CUT. SECURE EXISTING UNDERGROUND UTILITY INFORMATION FROM THE CONTRACTING OFFICER PRIOR TO PERFORMING ANY TRENCHING.
   c. DEPTHS INDICATED FOR INSTALLATION ARE MINIMUM. ACTUAL DEPTHS MAY VARY DUE TO TERMINATIONS, COMPENSATIONS FOR RADIUS OF VERTICAL TRANSITIONS, EXISTING UTILITY CROSSINGS, ETC. APPROVAL SHALL BE OBTAINED FOR ANY DEPTH LESS THAN INDICATED. TRENCHES SHALL BE OVER-EXCAVATED AS NECESSARY TO ALLOW FOR PROPER TRENCH PREPARATION, DUCT BANK CONSTRUCTION, FORMING AND/OR BACKFILLING REQUIREMENTS.
   d. ALL TRENCHING AND BACKFILL COMPACTION SHALL COMPLY WITH GEOTECHNICAL REPORT AND DIVISION 200.
   e. CALL 811 TO LOCATE UTILITIES BEFORE YOU DIG. COORDINATE WITH OWNER FOR THEIR KNOWLEDGE OF THE SITE ALSO.

GENERAL NOTES:

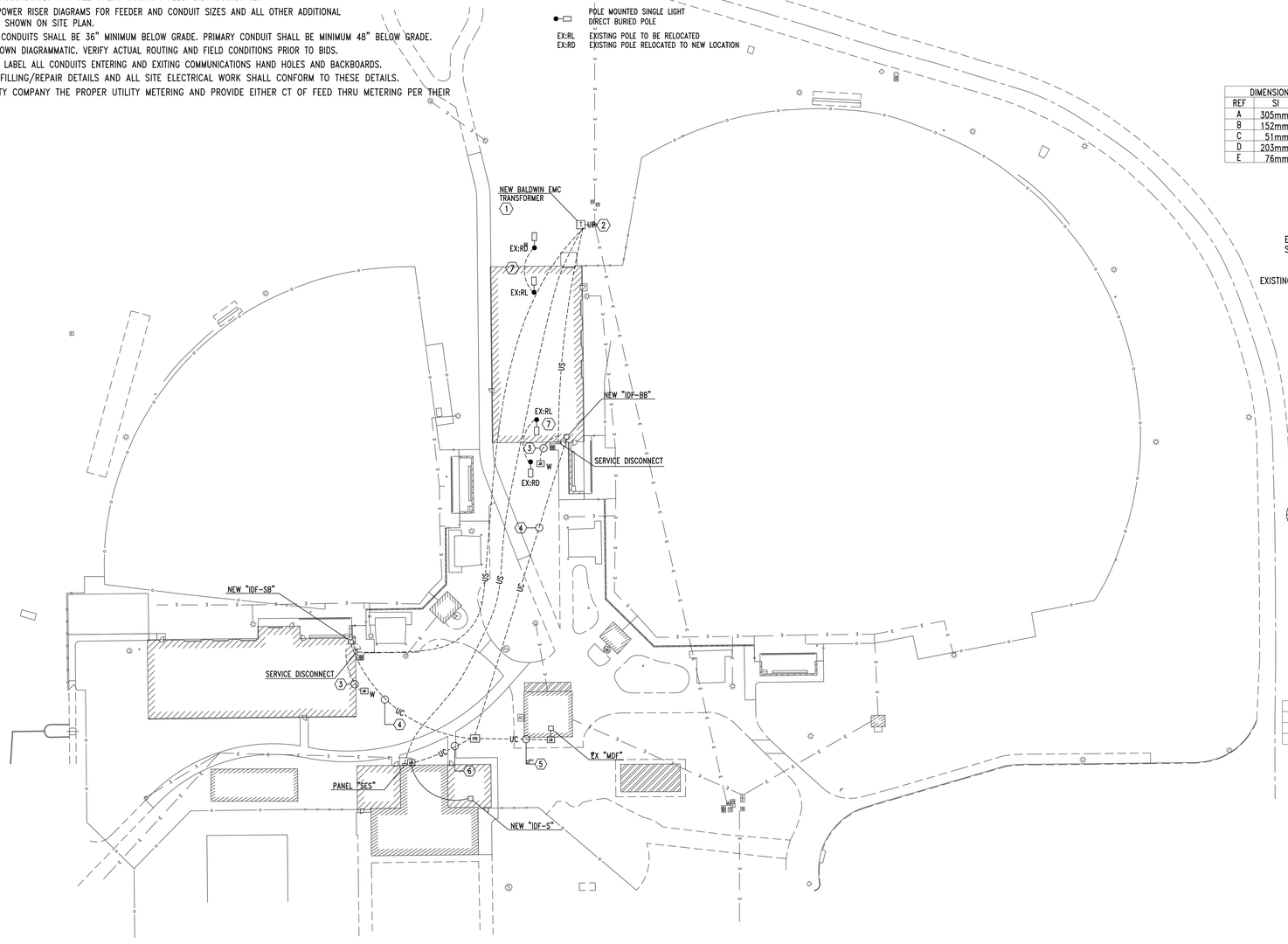
1. LOCATIONS OF RISER POLES, AND TRANSFORMERS SHALL BE COORDINATED PRIOR TO BIDS. ADJUST FEEDER AND CONDUIT LENGTHS ACCORDINGLY. PAY ALL UTILITY COMPANY FEES. BID ACCORDINGLY.
2. COORDINATE WITH POWER RISER DIAGRAMS FOR FEEDER AND CONDUIT SIZES AND ALL OTHER ADDITIONAL REQUIREMENTS NOT SHOWN ON SITE PLAN.
3. ALL UNDERGROUND CONDUITS SHALL BE 36" MINIMUM BELOW GRADE. PRIMARY CONDUIT SHALL BE MINIMUM 48" BELOW GRADE.
4. ALL ROUTING IS SHOWN DIAGRAMMATIC. VERIFY ACTUAL ROUTING AND FIELD CONDITIONS PRIOR TO BIDS.
5. CONTRACTOR SHALL LABEL ALL CONDUITS ENTERING AND EXITING COMMUNICATIONS HAND HOLES AND BACKBOARDS.
6. SEE TRENCH/BACKFILLING/REPAIR DETAILS AND ALL SITE ELECTRICAL WORK SHALL CONFORM TO THESE DETAILS.
7. VERIFY WITH UTILITY COMPANY THE PROPER UTILITY METERING AND PROVIDE EITHER CT OF FEED THRU METERING PER THEIR DIRECTION.

SHEET NOTES:

1. INSTALL CONCRETE PAD FOR PADMOUNT TRANSFORMER AS DIRECTED BY UTILITY COMPANY TO UTILITY COMPANY SPECIFICATIONS. COORDINATE FINAL LOCATION AND ADJUST LOCATION AS REQUIRED BY UTILITY COMPANY REQUIREMENTS, CLEARANCES AND SET BACKS. ADJUST UNDERGROUND SECONDARY AND UNDERGROUND PRIMARY AS REQUIRED FOR FINAL TRANSFORMER LOCATION.
2. INSTALL UNDERGROUND PRIMARY CONDUITS AS REQUIRED BY LOCAL UTILITY COMPANY. COORDINATE WITH UTILITY COMPANY PRIOR TO BIDS AND ADJUST THE ROUTING, SIZE, AND QUANTITY OF CONDUITS REQUIRED BY THE LOCAL UTILITY COMPANY. CONNECT CONDUIT TO EXISTING SECTIONALIZING SWITCH.
3. PROVIDE TWO 1 1/4" UNDERGROUND CONDUITS STUBED FROM ELECTRICAL ROOM TO OUTSIDE THE BUILDING. DO NOT STUB UP INTO ANY PANEL. STUB UP NEAR PANEL.
4. PROVIDE ONE (1) 2" UNDERGROUND CONDUIT WITH MULE TAPE IN EACH CONDUIT FROM PULLBOX TO IDF. PROVIDE FIBER OPTIC CABLING PER FIRE ALARM AND COMMUNICATION RISER DIAGRAMS.
5. PROVIDE ONE (1) 2" UNDERGROUND CONDUIT WITH MULE TAPE IN EACH CONDUIT FROM PULLBOX TO EXISTING BUILDING AND LB INTO BUILDING AND EXTEND CONDUIT TO MDF. PROVIDE FIBER OPTIC CABLING PER FIRE ALARM AND COMMUNICATION RISER DIAGRAMS.
6. PROVIDE ONE (1) 2" UNDERGROUND CONDUIT WITH MULE TAPE IN EACH CONDUIT FROM PULLBOX TO EXISTING BUILDING AND LB INTO EXISTING ELECTRICAL/MECHANICAL ROOM AND SET NEW JUNCTION BOX. THEN PROVIDE ONE 1" CONDUIT TO NEW FIRE ALARM PANEL AND ONE 2" CONDUIT TO NEW IDF. PROVIDE FIBER OPTIC CABLING PER FIRE ALARM AND COMMUNICATION RISER DIAGRAMS.
7. RELOCATE SITE LIGHTING POLE TO NEW LOCATION. INTERCEPT AND EXTEND EXISTING CIRCUITRY AS REQUIRED TO REROUTE UNDER FOOTPRINT OF NEW BUILDING.

SITE LEGEND

---UP---	UNDERGROUND PRIMARY
---US---	UNDERGROUND SECONDARY
---UC---	UNDERGROUND COMMUNICATIONS
T	PAD MOUNTED TRANSFORMER
PB	NEW IN GRADE PULLBOX. PROVIDE 30"x48"Lx30"D IN-GRADE JUNCTION BOX FOR COMMUNICATIONS SYSTEM. BOX SHALL BE COMPOSITE MATERIAL OF HIGH STRENGTH WITH COVER AND STAINLESS STEEL INSERTS. COVER SHALL HAVE LOGO INDICATING CONTENTS WITHIN COMMUNICATIONS BOX SHALL BE DESIGNED FOR TIER 15 RATING. MOUNT COVER FLUSH WITH GRADE. MOUNT ON A 12 INCH GRAVEL BED WITH 9 INCHES OF CONCRETE AROUND PERIMETER AND A 3 INCH SOIL TOP, SUBMIT BOX AND COVERS FOR APPROVAL. APPROVED MANUFACTURERS: CDR SYSTEMS CORP., HUBBELL, OLD CASTLE, HIGHLINE, QUAZITE.
W	8"X8"X4" WEATHERPROOF JUNCTION BOX. INSTALL TOP OF BOX FLUSH WITH GRADE.
	POLE MOUNTED SINGLE LIGHT
	DIRECT BURIED POLE
EX:RL	EXISTING POLE TO BE RELOCATED
EX:RD	EXISTING POLE RELOCATED TO NEW LOCATION

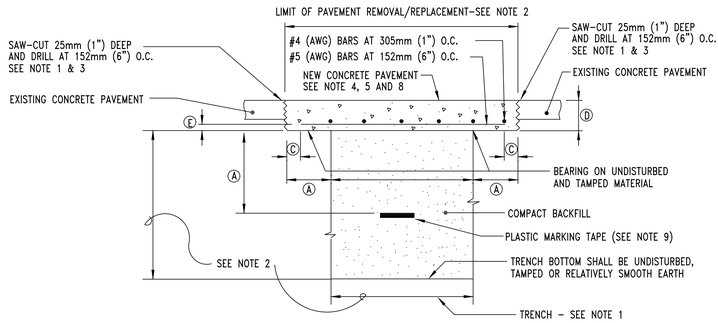


1 E1.0 SITE PLAN - ELECTRICAL
SCALE: 1" = 40'-0"

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
4. CONCRETE SHALL BE CLASS A.
5. MATCH THICKNESS OF EXISTING CONCRETE PAVEMENT 8" (20.32cm) MIN.
6. LEAVE DRILLED FACE OF EXISTING PAVEMENT IRREGULAR TO INSURE KEY TO NEW CONCRETE PAVEMENT.
7. ALL EXISTING JOINTS TO BE RE-ESTABLISHED.
8. REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE PAVEMENT.
9. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	152mm	0'-6"
C	51mm	0'-2"
D	203mm	0'-8"
E	76mm	0'-3"

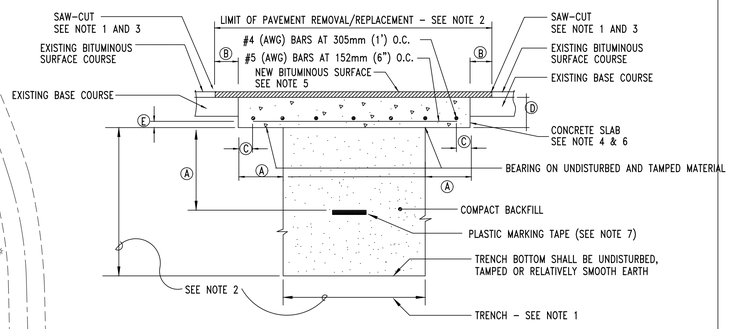


2 E1.1 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR RIGID PAVEMENT
NO SCALE

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR ALL SURFACES AS SHOWN.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PAVEMENT REMOVAL SHALL BE COMPLETE FROM THE SITE AND EXTEND BEYOND THE TRENCH WIDTH AS INDICATED.
4. CONCRETE SHALL BE CLASS A.
5. MATCH THICKNESS OF EXISTING BITUMINOUS SURFACE, OR 38mm (1.5") MINIMUM, WHICHEVER IS GREATER.
6. REINFORCING BARS SHALL MEET ASTM A615, A616 OR A617, GRADE 40. REINFORCING BARS SHALL BE INSTALLED THE CONTINUOUS LENGTH OF CONCRETE SLAB.
7. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	152mm	0'-6"
C	51mm	0'-2"
D	203mm	0'-8"
E	76mm	0'-3"

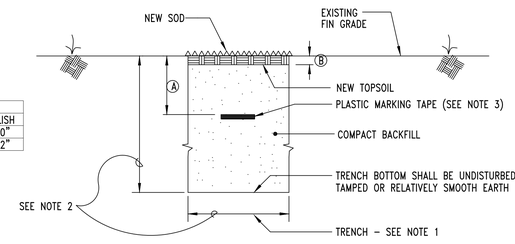


3 E1.1 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR FLEXIBLE PAVEMENT
NO SCALE

NOTES:

1. TRENCH/CUT EXISTING SURFACES. BACKFILL/PATCH/REPAIR AND INSTALL NEW SOD.
2. TRENCH DEPTH AND WIDTH SHALL BE AS REQUIRED FOR THE INSTALLATION OF THE RACEWAY LINE SPECIFIED. SEE APPLICABLE RACEWAY LINE SECTION.
3. PLASTIC MARKER TAPE SHALL BE RED AND CONTAIN FOIL BACKING OR EQUIVALENT TO ENABLE DETECTION BY A METAL DETECTOR. SEE SPECIFICATIONS.

DIMENSION BLOCK		
REF	SI	ENGLISH
A	305mm	1'-0"
B	51mm	0'-2"



4 E1.1 SECTION - TYPICAL TRENCH/BACKFILL/REPAIR SODDED AREAS
NO SCALE

SCALE: 1" = 40'-0"

40' 20 0 40 80FT
GRAPHIC SCALE

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1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 29095 PROFESSIONAL 04/24/2026 ENGINEER KENNETH RAY GUNN JR

SHEET TITLE:
SITE PLAN - ELECTRICAL

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:
E1.1

0 1" 2"

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E1.1.dwg
- Tuesday, May 5, 2026 5:04:07 PM

GENERAL NOTES:

1. CONTRACTOR RESPONSIBLE FOR REMOVING AND REINSTALLING ALL CEILING MOUNTED DEVICES IN ALL AREAS THAT NEW CEILINGS WILL BE INSTALLED. LOWER DEVICES TO NEW CEILINGS AS REQUIRED. INTERCEPT AND EXTEND CIRCUITRY AS NEEDED. VISIT SITE PRIOR TO BIDS TO QUANTIFY THE AMOUNT OF WORK AND BID ACCORDINGLY.
2. REMOVE ALL SWITCHING AS REQUIRED TO ACCOMPLISH NEW SWITCHING REQUIREMENTS. SEE LIGHTING PLANS FOR NEW SWITCH REQUIREMENTS FOR EACH SPACE.
3. CONTRACTOR RESPONSIBLE FOR REMOVING AND PROPERLY DISPOSING OF ALL EXISTING LIGHTS AND LIGHT BULBS.

SHEET NOTES:

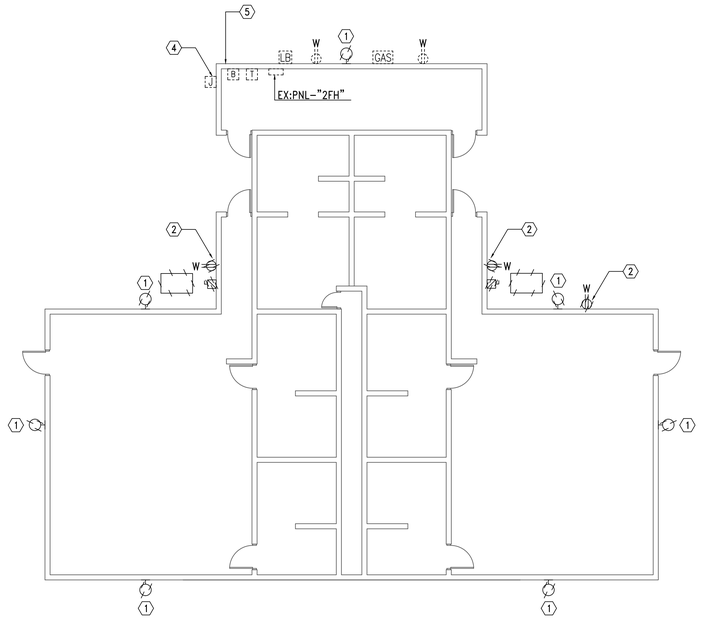
(1) EXTERIOR LIGHT AND CIRCUITRY TO BE REMOVED. SEE SHEET E2.3 FOR NEW LIGHTING REQUIREMENTS.

(2) REMOVE RECEPTACLE. MAINTAIN CIRCUITRY TO EXISTING DEVICE TO REMAIN.

(3) EXISTING CONDENSING UNIT TO BE RELOCATED. REMOVE CIRCUITRY. SEE SHEET E3.3 AND E3.4 FOR DETAILS.

(4) CONTRACTOR SHALL INTERCEPT CONDUIT AND CIRCUITRY AND REWORK TO ALLOW FOR NEW ADDITION. VISIT SITE PRIOR TO BIDS TO QUANTIFY THE AMOUNT OF WORK AND BID ACCORDINGLY.

(5) MAINTAIN EXISTING 125A/3P ENCLOSED CIRCUIT BREAKER. REMOVE SERVICE ENTRANCE FEEDER TO ENCLOSED CIRCUIT BREAKER. REMOVE BONDING JUMPER BETWEEN NEUTRAL AND GROUND. ENCLOSED CIRCUIT BREAKER WILL BE REFEED FROM NEW PANEL SES. DO NOT REMOVE FEED UNTIL NEW SERVICE IS INSTALLED AND READY TO REFEED. ALL POWER OUTAGES SHALL BE COORDINATED WITH OWNER AND APPROVED PRIOR.



1 E2.0 SOCCER FIELD HOUSE BUILDING FLOOR PLAN - DEMOLITION
SCALE: 1/8"=1'-0"

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Birmingham, AL 35242
GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26998 PROFESSIONAL ENGINEER
KENNETH RAY GUNN, JR.
04/24/2026

SHEET TITLE:
SOCCER FIELD HOUSE BUILDING FLOOR PLAN - DEMOLITION

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:
E2.0

0 1" 2"

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- Tuesday, May 5, 2026 5:04:11 PM

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE WITH LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. SEE LIGHTING CONTROL DETAILS ON SHEET E2.4 FOR ADDITIONAL REQUIREMENTS.

SHEET NOTES:

(1) ROUTE EXTERIOR LIGHTING CIRCUITS THRU CONTACTORS AS SHOWN IN DETAIL 1/E2.3. "NL' DESIGNATES LIGHTS ARE PHOTOCELL ON/PHOTOCELL OFF. "OL" DESIGNATES PHOTOCELL ON/TIMECLOCK OFF.

(2) DUE TO SECURITY CONCERNS THE OWNER DOES NOT WANT CORRIDOR LIGHTS TO TURN OFF DURING CLASS BY OCCUPANCY SENSORS.

(3) PROVIDE INTERCONNECTING RELAY TRANSFORMER TO CONTROL 120V EXHAUST FAN ON/OFF BY THE 277 VOLT LIGHTING CIRCUIT IN THIS ROOM. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 1,000 VA.

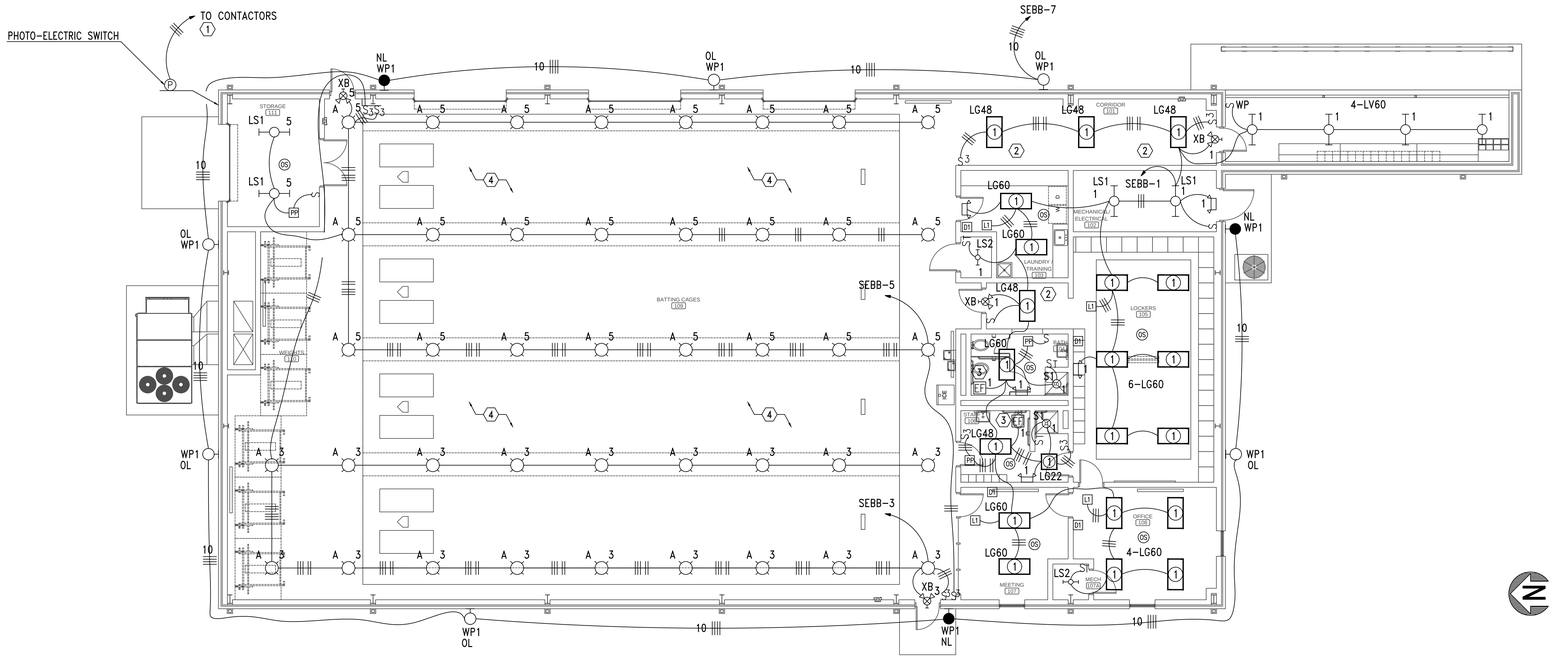
(4) DUE TO SECURITY CONCERNS THE OWNER DOES NOT WANT BATTING CAGE LIGHTS TO TURN OFF DURING PRACTICE BY OCCUPANCY SENSORS.

ROOM CONTROLLER NOTES:

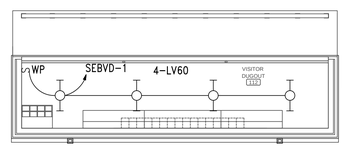
1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABLEL WITH 1" BLACK TEXT THAT READS "RC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

PHOTOCONTROL OF LIGHTING:

1. PHOTOCONTROL OF LIGHT FIXTURES WILL NOT BE REQUIRED FOR THE AREAS ON THIS PAGE. THE PRIMARY SIDELIGHTED AREA WILL NOT HAVE WATTAGES EXCEEDING 150W.



1 E2.1 BASEBALL FIELDHOUSE FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"



2 E2.1 BASEBALL VISITOR DUGOUT FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26998 PROFESSIONAL ENGINEER 04/24/2026 KENNETH RAY GUNN JR.

SHEET TITLE:
BASEBALL FIELDHOUSE FLOOR PLAN - LIGHTING

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: E2.1

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#25-223

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E2.1.dwg
- Tuesday, May 5, 2026 5:04:16 PM

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE WITH LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. SEE LIGHTING CONTROL DETAILS ON SHEET E2.4 FOR ADDITIONAL REQUIREMENTS.

SHEET NOTES:

(1) ROUTE EXTERIOR LIGHTING CIRCUITS THRU CONTACTORS AS SHOWN IN DETAIL 1/E2.3. "NL' DESIGNATES LIGHTS ARE PHOTOCELL ON/PHOTOCELL OFF. "OL" DESIGNATES PHOTOCELL ON/TIMECLOCK OFF.

(2) DUE TO SECURITY CONCERNS THE OWNER DOES NOT WANT CORRIDOR LIGHTS TO TURN OFF DURING CLASS BY OCCUPANCY SENSORS.

(3) PROVIDE INTERCONNECTING RELAY TRANSFORMER TO CONTROL 120V EXHAUST FAN ON/OFF BY THE 277 VOLT LIGHTING CIRCUIT IN THIS ROOM. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 1,000 VA.

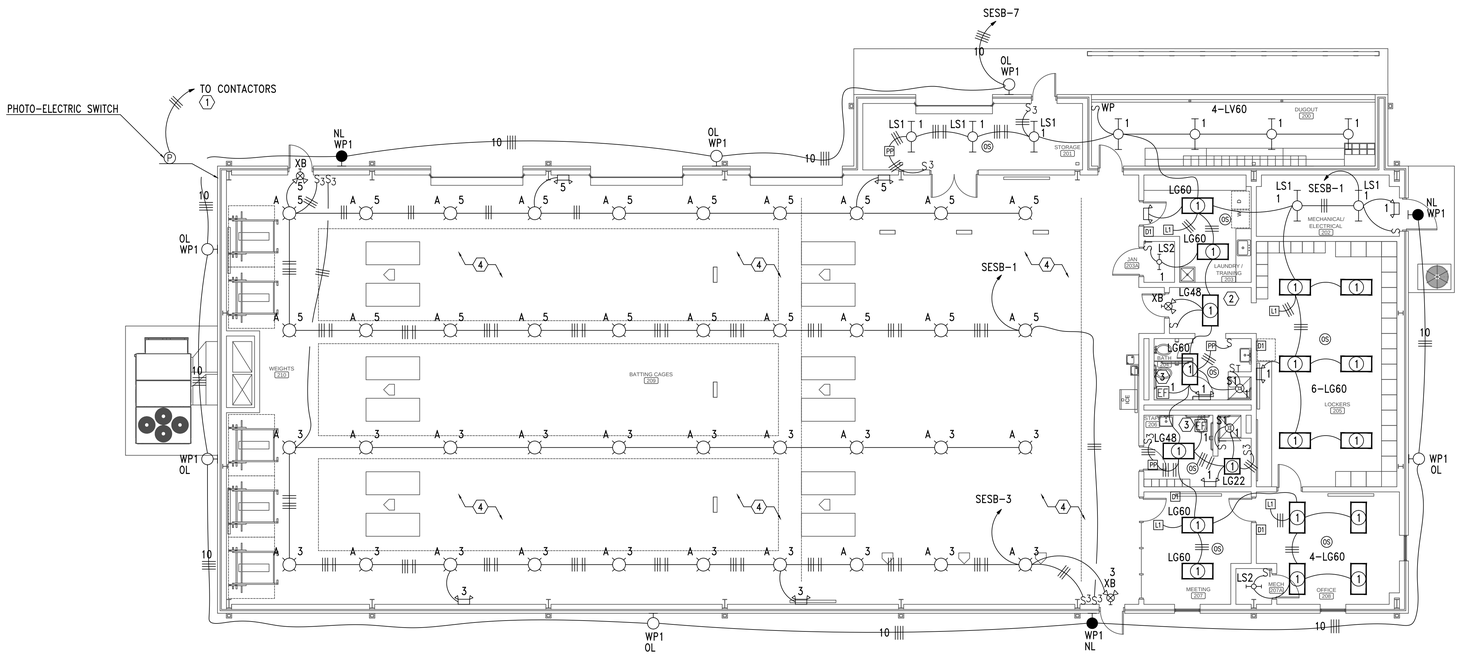
(4) DUE TO SECURITY CONCERNS THE OWNER DOES NOT WANT BATTING CAGE LIGHTS TO TURN OFF DURING PRACTICE BY OCCUPANCY SENSORS.

ROOM CONTROLLER NOTES:

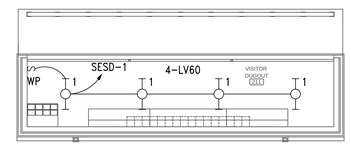
1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABLEL WITH 1" BLACK TEXT THAT READS "RC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

PHOTOCONTROL OF LIGHTING:

1. PHOTOCONTROL OF LIGHT FIXTURES WILL NOT BE REQUIRED FOR THE AREAS ON THIS PAGE. THE PRIMARY SIDELIGHTED AREA WILL NOT HAVE WATTAGES EXCEEDING 150W.



1 E2.2 SOFTBALL FIELDHOUSE FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"



2 E2.2 SOFTBALL VISITOR DUGOUT FLOOR PLAN - LIGHTING
SCALE: 1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26998 PROFESSIONAL ENGINEER 04/24/2026 KENNETH RAY GUNN JR.

SHEET TITLE:
SOFTBALL FIELDHOUSE FLOOR PLAN - LIGHTING

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: E2.2

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054
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1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#25-223

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\sle\e\E2.2.dwg
- Tuesday, May 5, 2026 5:04:21 PM

GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE WITH LIGHTING CONTROL DETAILS FOR ADDITIONAL REQUIREMENTS.
3. SEE LIGHTING CONTROL DETAILS ON SHEET E2.4 FOR ADDITIONAL REQUIREMENTS.

SHEET NOTES:

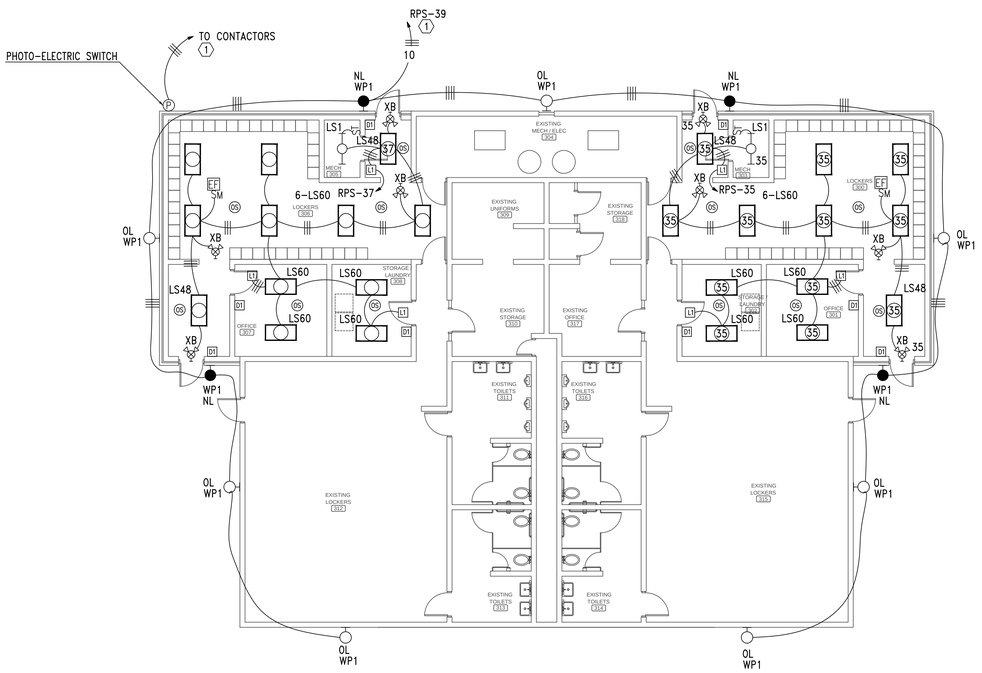
(1) ROUTE EXTERIOR LIGHTING CIRCUITS THRU CONTACTORS AS SHOWN IN DETAIL 1/E2.4. "NL" DESIGNATES LIGHTS ARE PHOTOCELL ON/PHOTOCELL OFF. "OL" DESIGNATES PHOTOCELL ON/TIMECLOCK OFF.

ROOM CONTROLLER NOTES:

1. CONTRACTOR SHALL LOCATE ALL ROOM CONTROLLERS ABOVE DOORS IN EACH ROOM 6" ABOVE CEILING GRID. PROVIDE ACCESS PANELS WHERE LOCATED ABOVE HARD CEILINGS OR MOUNT IN UTILITY TYPE ROOMS WHENEVER POSSIBLE. ROOM CONTROLLERS SHOWN ON THIS PLAN IS DIAGRAMMATIC FOR CIRCUITRY. DO NOT USE THESE FOR ACTUAL LOCATIONS. PROVIDE A WHITE PHENOLIC LABLEL WITH 1" BLACK TEXT THAT READS "RC" GLUED ON CEILING GRID UNDER POWER PACK FOR EACH LOCATION FOR FUTURE MAINTENANCE.

PHOTOCONTROL OF LIGHTING:

1. PHOTOCONTROL OF LIGHT FIXTURES WILL NOT BE REQUIRED FOR THE AREAS ON THIS PAGE. THE PRIMARY SIDELIGHTED AREA WILL NOT HAVE WATTAGES EXCEEDING 150W.



N

1 E2.3 FOOTBALL / SOCCER FIELDHOUSE FLOOR PLAN- LIGHTING

SCALE: 1/8"=1'-0"

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

ALABAMA REGISTERED No. 26362 PROFESSIONAL ENGINEER KENNETH RAY GUNN, JR. 04/24/2026

SHEET TITLE:
FOOTBALL / SOCCER FIELDHOUSE FLOOR PLAN - LIGHTING

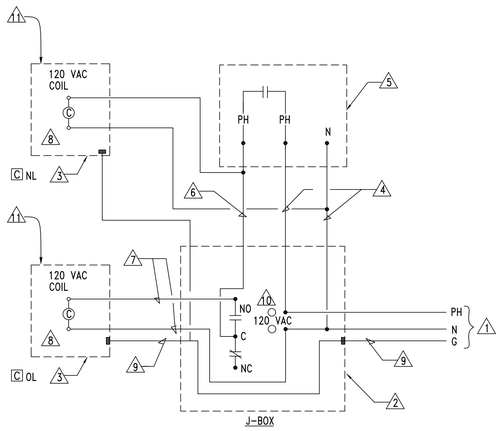
PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:
E2.3

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054
1200 Providence Park, Suite 200, Birmingham, AL 35242
Tel: 334.285.1273
GA#25-223

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- Tuesday, May 5, 2026 5:04:26 PM



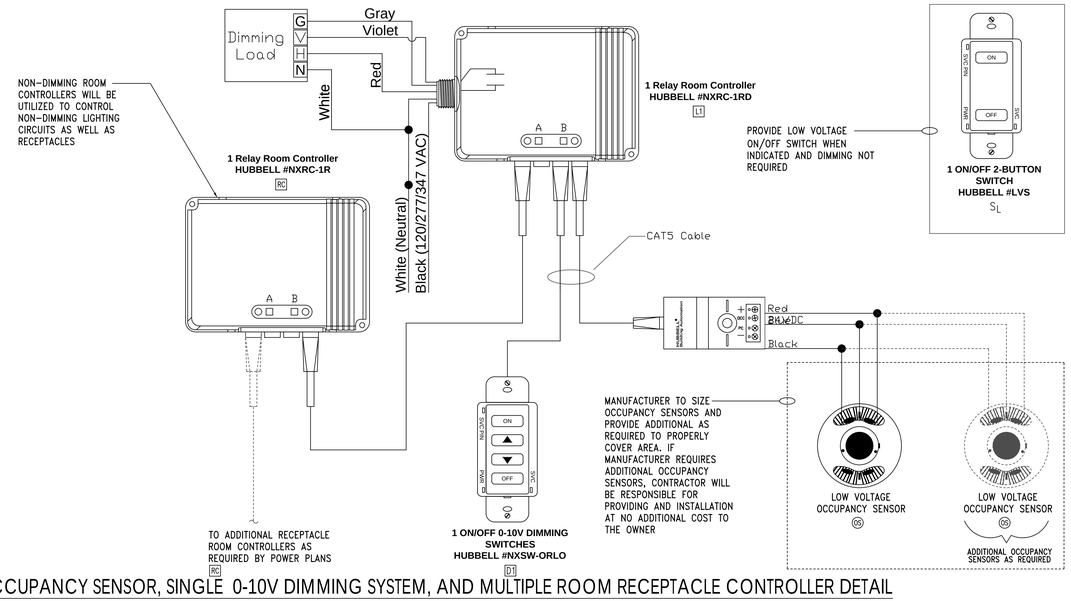
1 E2.4 DETAIL - TYPICAL OPERATION OF TIME SWITCH/PHOTO-CELL/CONTACTOR
NO SCALE

KEYED NOTES

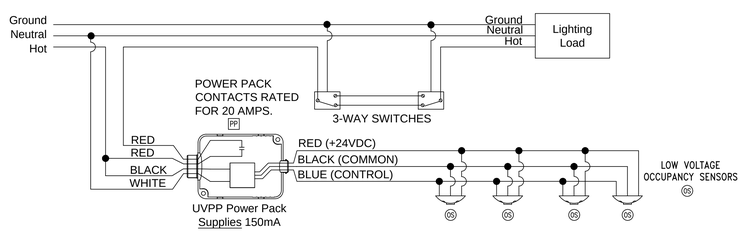
1. POWER SUPPLY – 120V, 1PH, 60HZ
2. TIME SWITCH ENCLOSURE – NEMA 1 UNLESS NOTED OTHERWISE
3. CONTACTOR ENCLOSURE – NEMA 1 UNLESS NOTED OTHERWISE
4. POWER TAP TO PHOTO-CELL IN GRC
5. TURN-LOCK PHOTO-CELL, SEE DETAIL
6. SWITCH LEG RETURN IN GRC
7. POWER TO CONTACTOR COIL
8. LIGHTING CONTACTOR [C]NL & [C]OL AS FOLLOWS:
   - –NEMA ICS 2-211B INDUSTRIAL DUTY TYPE
   - –ELECTRICALLY OPERATED–ELECTRICALLY HELD
   - –RATING AND NUMBER OF POLES INDICATED
   - –CONTACTS SHALL BE SILVER ALLOY, DOUBLE–BREAK, SUITABLE FOR TUNGSTEN, BALLAST LIGHTING, RESISTANCE AND MOTOR LOADS
   - –FUSING FOR CONTROL CIRCUIT
9. GROUND CONDUCTOR – BOND TO EACH ENCLOSURE AND INSTALL IN EACH CONDUIT SYSTEM
10. DIGITAL TIME SWITCH AS FOLLOWS:
    - –ONE CHANNEL WITH 24 HOUR, SEVEN DAY PROGRAMMING AND SKIP–A–DAY FEATURE
    - –INPUT: 120 VAC, 60HZ
    - –OUTPUT: DPST DRY CONTACTS (UNPOWERED)
    - –HEAVY DUTY CONTACTS RATED 20 AMPERE RESISTIVE AT 120 VAC
    - –TEMPERATURE RANGE: –20 TO +60 DEGREES CELSIUS
    - –RELATIVE HUMIDITY: 0 TO 90% RH
    - –CLOCK ACCURACY: ±2 MINUTES PER YEAR
    - –LED INDICATION OF TIME AND LOAD STATUS
    - –FULL WEEK'S RESERVE POWER (BATTERY BACK–UP)
11. PROVIDE NUMBER OF POLES REQUIRED.

OCCUPANCY SENSOR AND CONTROL NOTES:

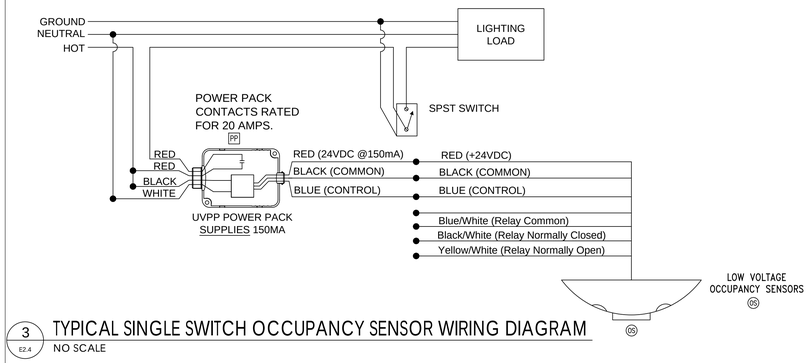
1. OCCUPANCY SENSORS SHALL BE VACANCY TYPE WITH DUAL TECHNOLOGY DETECTION AND 20–MINUTE CUTOFF TIME.
2. OCCUPANCY SENSOR MANUFACTURER PROVIDER WILL BE RESPONSIBLE FOR SIZING THE OCCUPANCY SENSORS IN EACH SPACE. PROVIDE THIS SIZING TO THE ENGINEER DURING SUBMITTAL PHASE FOR APPROVAL. PROVIDE ADDITIONAL OCCUPANCY SENSORS AS REQUIRED TO FULLY COVER ALL SPACES. IF ADDITIONAL OCCUPANCY SENSORS OR ANY OTHER EQUIPMENT IS REQUIRED IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE AND INSTALL. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THIS WITH LIGHTING MANUFACTURER PRIOR TO BIDS AND COVER THE COST OF ALL MATERIAL AND LABOR FOR ANY ADDITIONAL OCCUPANCY SENSORS.
3. ALL OCCUPANCY SENSORS LOCATIONS ARE APPROXIMATE, REFER TO MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR EXACT MOUNTING AND SPACING REQUIREMENTS PRIOR TO INSTALLATION.
4. ULTRASONIC CEILING MOUNTED OCCUPANCY SENSORS SHALL BE LOCATED A MINIMUM OF SIX (6) FEET FROM HVAC SUPPLY/RETURN VENTS.
5. CONTRACTOR IS RESPONSIBLE FOR PROPER SENSITIVITY AND TIME DELAY SETTINGS FOR OCCUPANCY SENSORS, FOLLOWING THE MANUFACTURER'S RECOMMENDED PLACEMENT, AND FIELD VERIFICATION OF CIRCUITS WITH RESPECT TO POWER PACK PLACEMENT.
6. OCCUPANCY SENSORS MOUNTED OVER DOORWAYS SHALL BE PLACED ONE (1) FOOT INSIDE THRESHOLD.
7. LIGHTING CONTROL SYSTEM IS SPECIFIED AROUND THE HUBBELL AUTOMATION SYSTEM. CONTRACTOR SHALL PROVIDE ALL MATERIALS, DEVICES, WIRING, CONNECTIONS, AND PROGRAMMING NEEDED IF ANY OTHER LIGHITNG CONTROL SYSTEM SUBMITS FOR APPROVAL AND IS PROVIDED.
8. WATT STOPPER AND N–LIGHT ARE APPROVED EQUALS.
9. CONTRACTOR SHALL GROUND ALL JUNCTION BOXES CONTAINING LOW VOLTAGE SWITCHES OR ANY OTHER TYPE LIGHTING CONTROL DEVICE WITH #12 GRD.



2 E2.4 TYPICAL MULTIPLE OCCUPANCY SENSOR, SINGLE 0-10V DIMMING SYSTEM, AND MULTIPLE ROOM RECEPTACLE CONTROLLER DETAIL
NO SCALE



4 E2.4 TYPICAL 3-WAY SWITCHING OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE



3 E2.4 TYPICAL SINGLE SWITCH OCCUPANCY SENSOR WIRING DIAGRAM
NO SCALE

Gunn & Associates, P.C.
Consulting Engineers
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LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA



SHEET TITLE:
LIGHTING CONTROL, DETAILS & NOTES

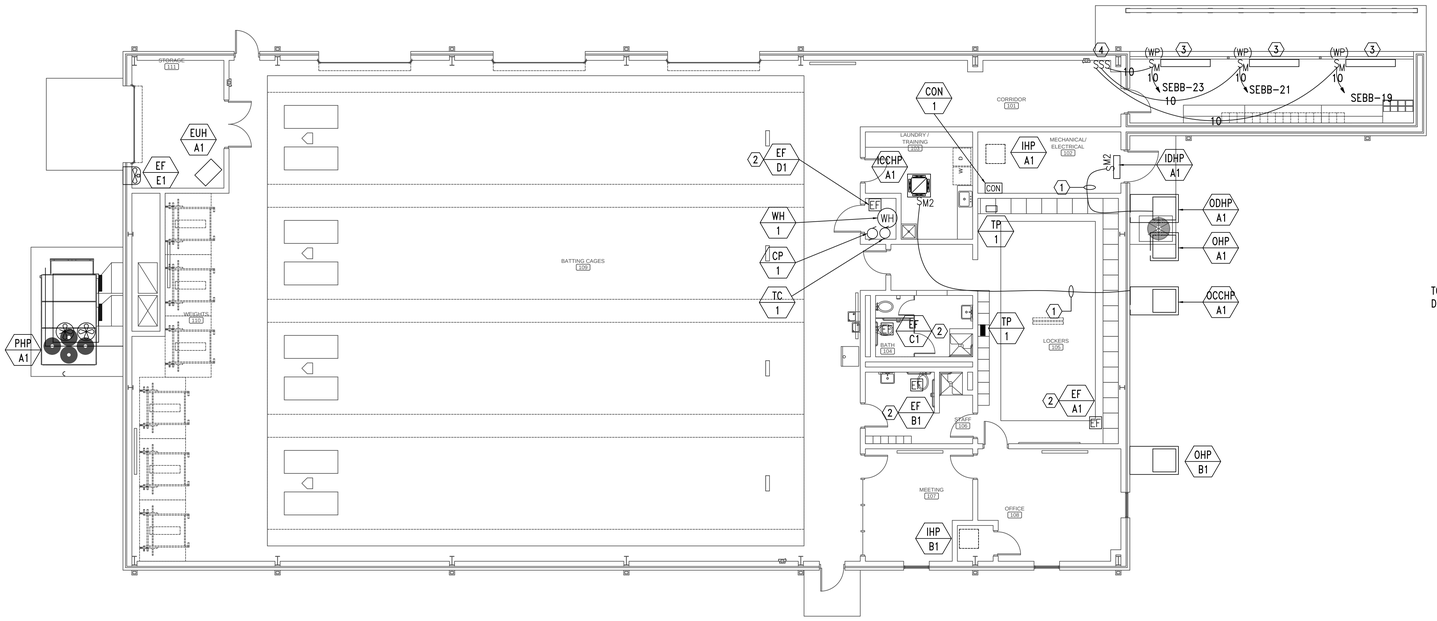
PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:
E2.4

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- Tuesday, May 5, 2026 5:04:31 PM

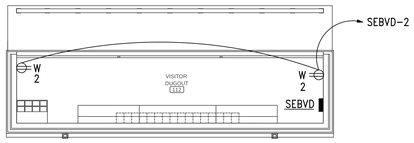


GENERAL NOTES:

1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.
3. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL, NO EXCEPTIONS.
4. ALL RECEPTACLE CIRCUITS THAT ARE ROUTED UNDERGROUND SHALL BE STUBBED UP ABOVE CEILING IN AN ACCESSIABLE LOCATION FOR FUTURE USE.
5. THE OWNER TAKES EXCEPTION TO THE FOLLOWING SECTIONS OF 2013 ASHRAE 90. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS AND SECTION 8.4.3 ELECTRICAL ENERGY MONITORING. THESE REQUIREMENTS WILL NOT BE PROVIDED IN THIS PROJECT.

2 BASEBALL FIELDHOUSE FLOOR PLAN - MECHANICAL POWER

E3.1 SCALE: 1/8"=1'-0"

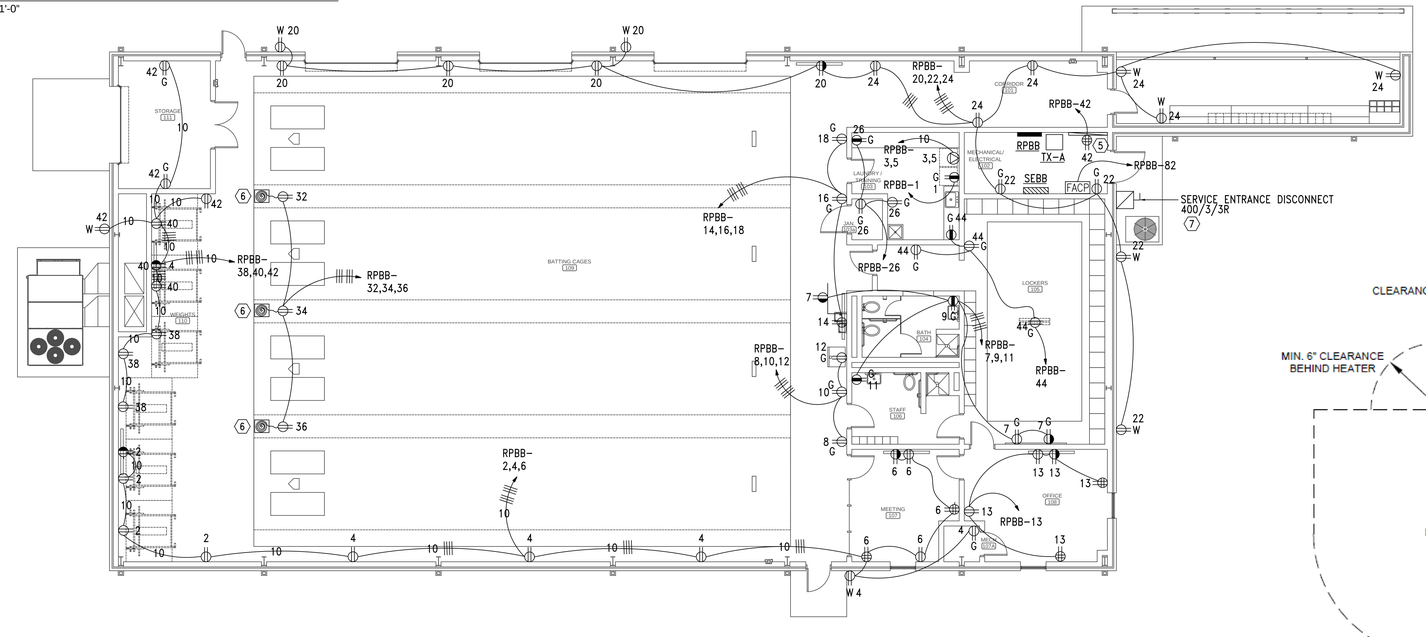


3 BASEBALL VISITOR DUGOUT FLOOR PLAN - POWER

E3.1 SCALE: 1/8"=1'-0"

SHEET NOTES:

1. INTERIOR UNIT RECEIVES POWER FROM THE EXTERIOR UNIT. PROVIDE INTERCONNECTING CIRCUITRY AS NEEDED IN CONDUIT TO CONNECT THE INTERIOR UNIT.
2. PROVIDE INTERCONNECTING RELAY TRANSFORMER TO CONTROL 120V EXHAUST FAN ON/OFF BY THE 277 VOLT LIGHTING CIRCUIT IN THIS ROOM. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 1,000 VA.
3. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRIC INFRARED HEATER. PROVIDE HEATER EQUAL TO INFRATECH #WD-4027-BL-39"-277V-4KW UL LISTED FOR OUTDOOR USE WITH PROPER MOUNTING BRACKETS. MOUNT HEATERS ON STRUCTURAL STEEL. MAINTAIN CLEARANCES PER DETAIL THIS SHEET.
4. LABEL SWITCHES HEATER-1, HEATER-2, AND HEATER-3.
5. MOUNT RECEPTACLE AT HEIGHT REQUIRED FOR COMM RACK.
6. COORDINATE LOCATION AT CORD REELS WITH COACH PRIOR TO ROUGH-IN AND ADJUST LOCATION ANYWHERE IN BATTING AREA AS DIRECTED.
7. COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE ENOUGH SPACE FOR DISCONNECT AND MAINTAIN NEC CLEARANCES.

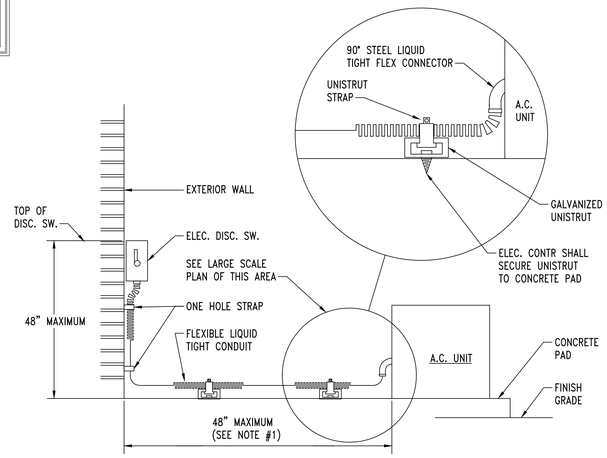


1 BASEBALL FIELDHOUSE FLOOR PLAN - POWER

E3.1 SCALE: 1/8"=1'-0"

NOTE:

1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.

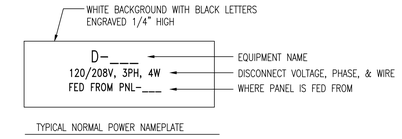


5 MECHANICAL UNIT CONNECTION DETIAL

E3.1 NO SCALE

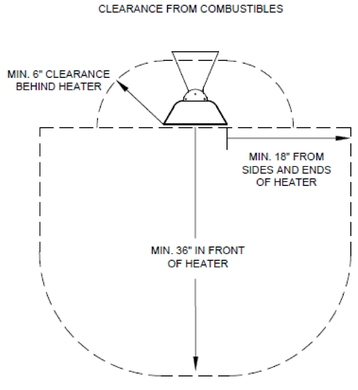
MECHANICAL GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (4) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL (5) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.



4 DETAIL - TYPICAL DISCONNECT NAMEPLATE

E3.1 NO SCALE



5 DETAIL - TYPICAL INFRARED HEATER REQUIRED CLEARANCES

NO SCALE

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26995 PROFESSIONAL 04/24/2026 ENGINEER KENNETH RAY GUNN JR

SHEET TITLE:
BASEBALL FIELDHOUSE FLOOR PLAN - POWER

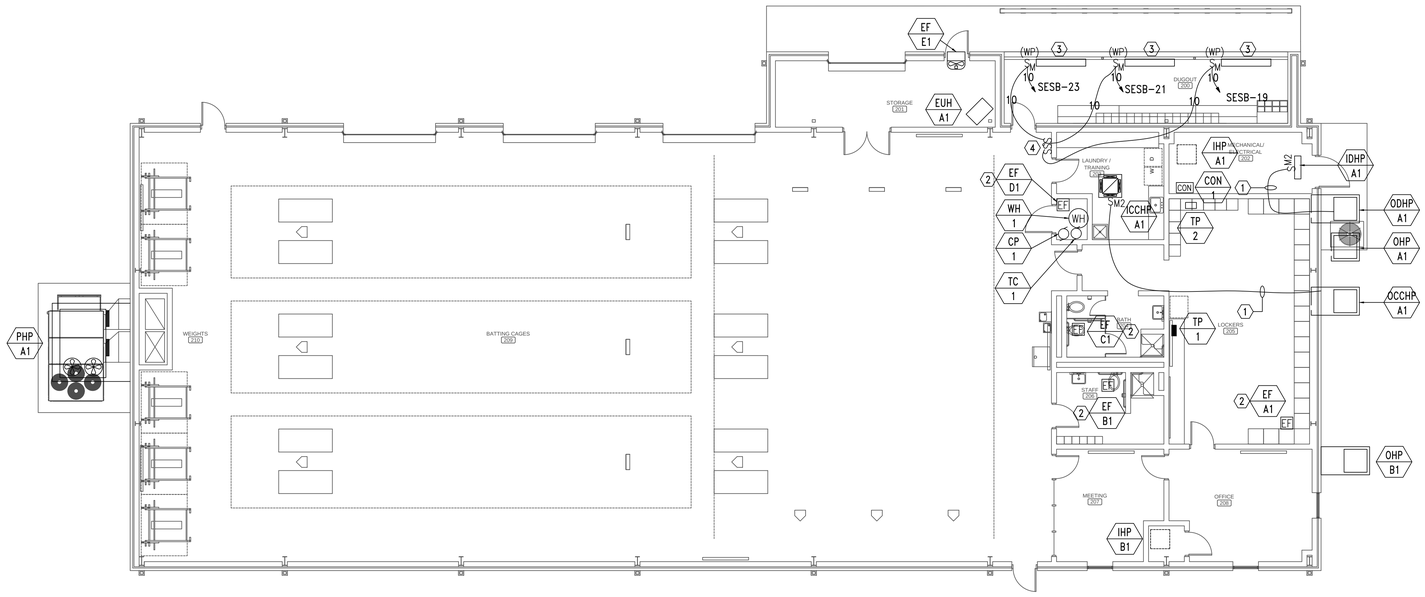
PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: E3.1

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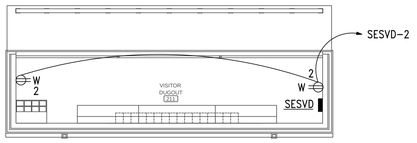
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- Tuesday, May 5, 2026 5:04:36 PM



1 E3.2 SOFTBALL FIELDHOUSE FLOOR PLAN - MECHANICAL POWER
SCALE: 1/8"=1'-0"

GENERAL NOTES:

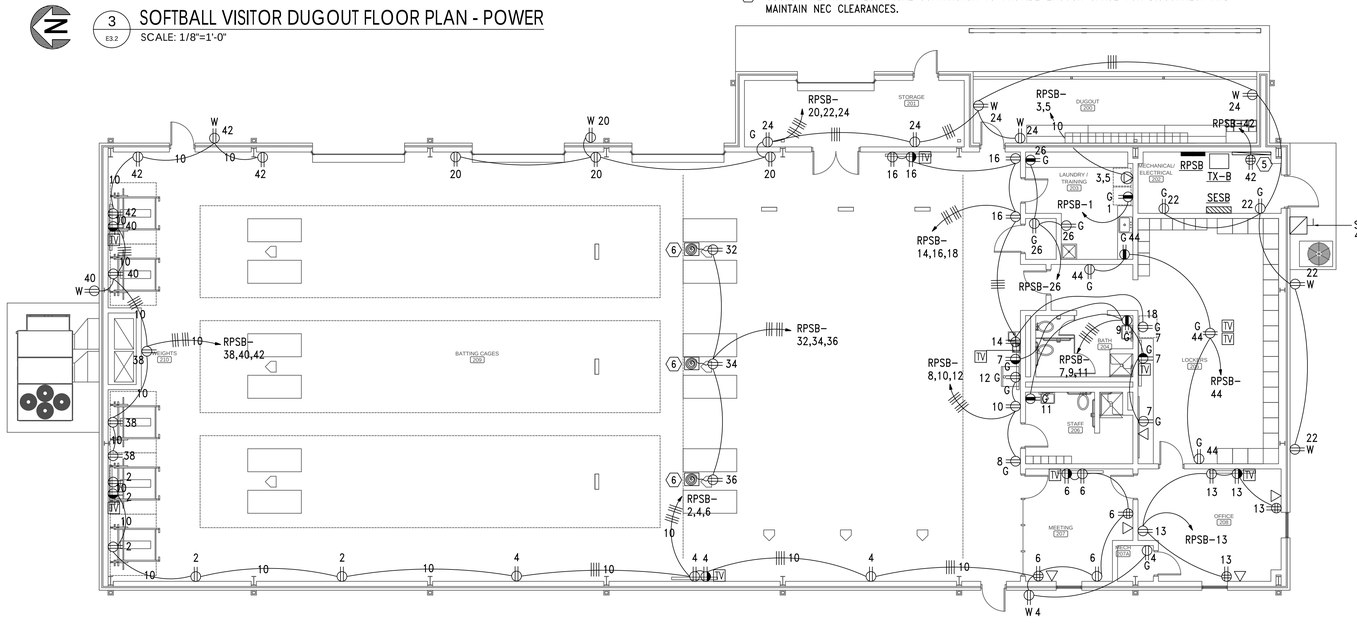
1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.
3. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL, NO EXCEPTIONS.
4. ALL RECEPTACLE CIRCUITS THAT ARE ROUTED UNDERGROUND SHALL BE STUBBED UP ABOVE CEILING IN AN ACCESSIBLE LOCATION FOR FUTURE USE.
5. THE OWNER TAKES EXCEPTION TO THE FOLLOWING SECTIONS OF 2013 ASHRAE 90. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS AND SECTION 8.4.3 ELECTRICAL ENERGY MONITORING. THESE REQUIREMENTS WILL NOT BE PROVIDED IN THIS PROJECT.



3 E3.2 SOFTBALL VISITOR DUGOUT FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"

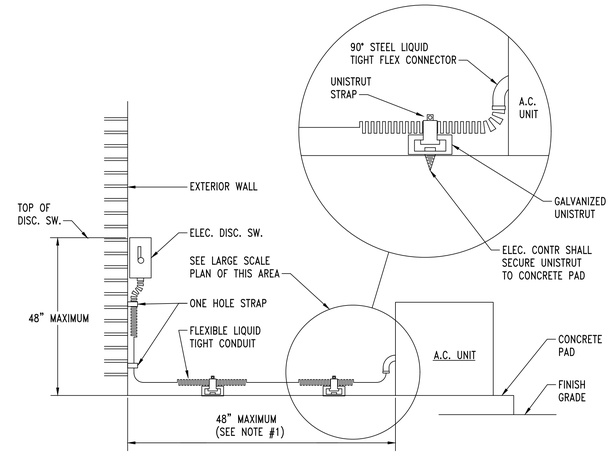
SHEET NOTES:

1. INTERIOR UNIT RECEIVES POWER FROM THE EXTERIOR UNIT. PROVIDE INTERCONNECTING CIRCUITRY AS NEEDED IN CONDUIT TO CONNECT THE INTERIOR UNIT.
2. PROVIDE INTERCONNECTING RELAY TRANSFORMER TO CONTROL 120V EXHAUST FAN ON/OFF BY THE 277 VOLT LIGHTING CIRCUIT IN THIS ROOM. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 1,000 VA.
3. ELECTRICAL CONTRACTOR TO PROVIDE ELECTRIC INFRARED HEATER. PROVIDE HEATER EQUAL TO INFRATECH #WD-4027-BL-39"-277V-4KW UL LISTED FOR OUTDOOR USE WITH PROPER MOUNTING BRACKETS. MOUNT HEATERS ON STRUCTURAL STEEL. MAINTAIN CLEARANCES PER DETAIL THIS SHEET.
4. LABEL SWITCHES HEATER-1, HEATER-2, AND HEATER-3.
5. MOUNT RECEPTACLE AT HEIGHT REQUIRED FOR COMM RACK.
6. COORDINATE LOCATION AT CORD REELS WITH COACH PRIOR TO ROUGH-IN AND ADJUST LOCATION ANYWHERE IN BATTING AREA AS DIRECTED.
7. COORDINATE WITH MECHANICAL CONTRACTOR TO PROVIDE ENOUGH SPACE FOR DISCONNECT AND MAINTAIN NEC CLEARANCES.



2 E3.2 SOFTBALL FIELDHOUSE FLOOR PLAN - POWER
SCALE: 1/8"=1'-0"

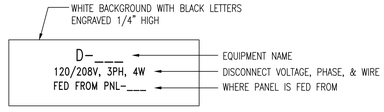
NOTE:
1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



5 E3.2 MECHANICAL UNIT CONNECTION DETIAL
NO SCALE

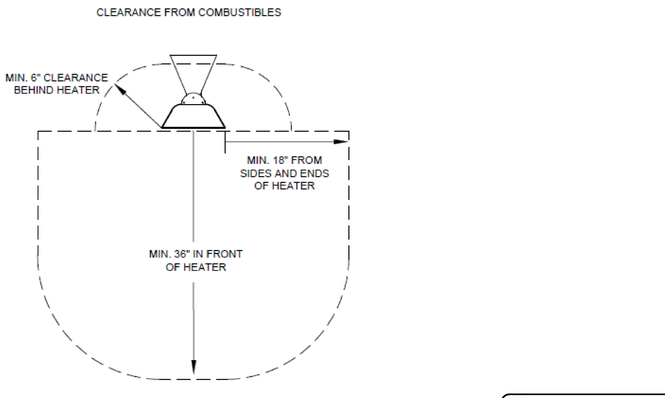
MECHANICAL GENERAL NOTES:

1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (4) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL (5) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.



TYPICAL NORMAL POWER NAMEPLATE

4 E3.2 DETAIL - TYPICAL DISCONNECT NAMEPLATE
NO SCALE



5 E3.2 DETAIL - TYPICAL INFRARED HEATER REQUIRED CLEARANCES
NO SCALE

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED Kenneth Ray Gunn Jr. NO. 26998 PROFESSIONAL 04/24/2026 ENGINEER

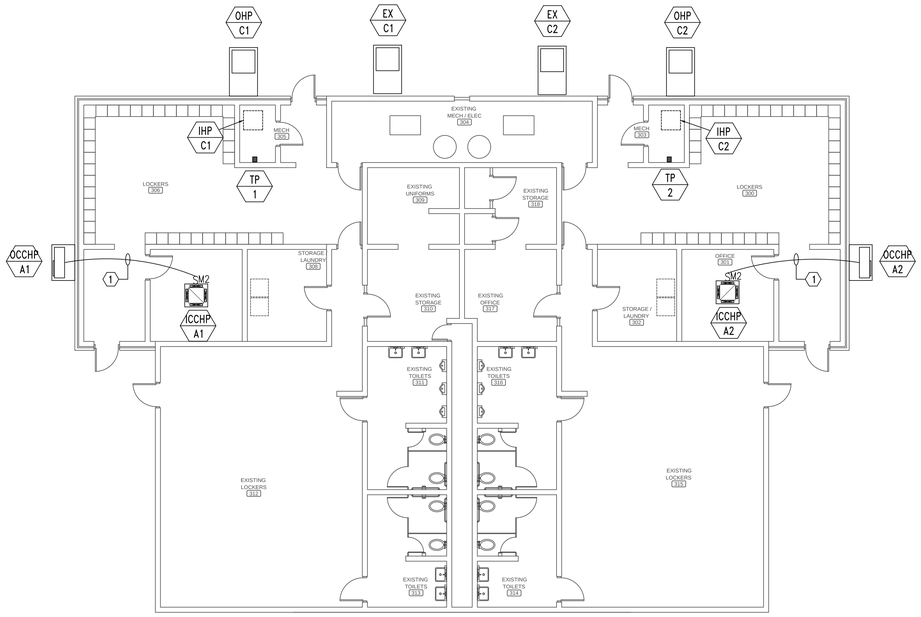
SHEET TITLE:
SOFTBALL FIELDHOUSE FLOOR PLAN - POWER

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111
SHEET NO: E3.2

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#25-223

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\sleiec\E3.2.dwg
- Tuesday, May 5, 2026 5:04:41 PM



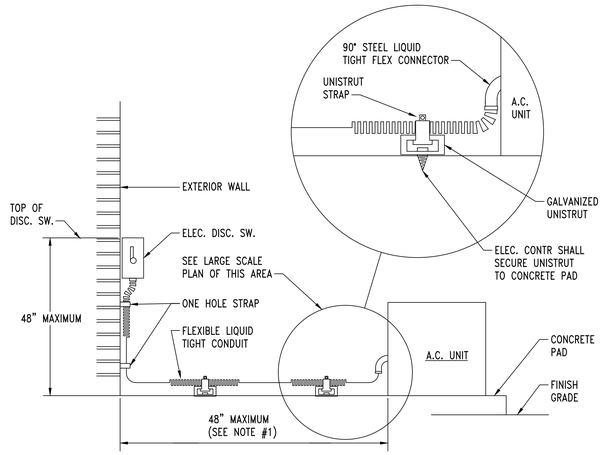
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2 E3.3 SOCCER FIELDHOUSE FLOOR PLAN- MECHANICAL POWER

SCALE: 1/8"=1'-0"

NOTE:

1. FOR DISTANCE GREATER THAN 48" CONDUIT TO BE ROUTED BELOW GRADE WITH 6" OF MECH. UNIT, STUB-UP W/ RIGID ELBOW THRU CONCRETE PAD. PROVIDE FLEXIBLE CONNECTION FROM ELBOW TO MECH. UNIT, W/ CONNECTION MADE AT UNIT AS SHOWN ABOVE.



5 E3.3 MECHANICAL UNIT CONNECTION DETIAL

NO SCALE

GENERAL NOTES:

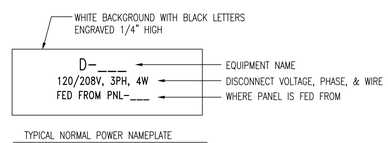
1. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
2. COORDINATE EXACT LOCATION OF ALL ELECTRICAL AND COMMUNICATIONS DEVICES WITH MILLWORK PROVIDERS PRIOR TO ROUGH-IN.
3. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL, NO EXCEPTIONS.
4. ALL RECEPTACLE CIRCUITS THAT ARE ROUTED UNDERGROUND SHALL BE STUBBED UP ABOVE CEILING IN AN ACCESSIABLE LOCATION FOR FUTURE USE.
5. THE OWNER TAKES EXCEPTION TO THE FOLLOWING SECTIONS OF 2013 ASHRAE 90. SECTION 8.4.2 AUTOMATIC RECEPTACLE CONTROLS AND SECTION 8.4.3 ELECTRICAL ENERGY MONITORING. THESE REQUIREMENTS WILL NOT BE PROVIDED IN THIS PROJECT.

SHEET NOTES:

1. INTERIOR UNIT RECEIVES POWER FROM THE EXTERIOR UNIT. PROVIDE INTERCONNECTING CIRCUITRY AS NEEDED IN CONDUIT TO CONNECT THE INTERIOR UNIT.
2. PROVIDE INTERCONNECTING RELAY TRANSFORMER TO CONTROL 120V EXHAUST FAN ON/OFF BY THE 277 VOLT LIGHTING CIRCUIT IN THIS ROOM. TRANSFORMER SHALL BE 277V INPUT, 120V OUTPUT, 1,000 VA.
3. MOUNT RECEPTACLE AT HEIGHT REQUIRED FOR COMM RACK.
4. LOCATE FACP IN ROOM WHERE ALL CLEARANCES ARE MAINTAINED.

MECHANICAL GENERAL NOTES:

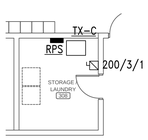
1. COORDINATE WITH MECHANICAL/PLUMBING DRAWINGS FOR EXACT LOCATIONS OF EQUIPMENT.
2. MOUNT EXTERIOR DISCONNECTS ON EXTERIOR WALLS AT LEAST 18" FROM WINDOWS. LOCATIONS OF DISCONNECTS AND EQUIPMENT ARE SHOWN FOR DRAWING CLARITY PURPOSES ONLY.
3. COORDINATE WITH MECHANICAL/PLUMBING CONTRACTORS TO INSURE OVERCURRENT PROTECTION DEVICES FOR THEIR EQUIPMENT IS SIZED PER MANUFACTURER'S RECOMMENDATIONS. ENGINEER SIZED OVERCURRENT PROTECTION ACCORDING TO MECHANICAL/PLUMBING DRAWINGS AND SPECIFICATIONS, ACTUAL EQUIPMENT SUPPLIED MAY DIFFER. ELECTRICAL CONTRACTOR SHALL WORK WITH OTHER TRADE DISCIPLINES TO INSURE ANY CHANGES WILL BE INSTALLED CORRECTLY AT THE COST OF THE PERSON MAKING THE CHANGES.
4. ALL FLEXIBLE CONNECT TO HVAC UNITS SHALL BE RUN PARALLEL TO HARD SURFACE AND STRAPPED AT LEAST EVERY 2'.
5. CONTRACTOR SHALL PROVIDE CONDUIT FOR MECHANICAL CONTROLS. COORDINATE EXACT LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
6. ALL DISCONNECTS TO HAVE NAMEPLATE AS SHOWN IN DETAIL (4) THIS SHEET, NO EXCEPTIONS.
7. PROVIDE DEDICATED NEUTRALS FOR EACH MULTIWIRE HOMERUN PER NEC.
8. SEE DETAIL (5) THIS SHEET FOR MECHANICAL UNIT CONNECTION DETAIL.



TYPICAL NORMAL POWER NAMEPLATE

4 E3.3 DETAIL - TYPICAL DISCONNECT NAMEPLATE

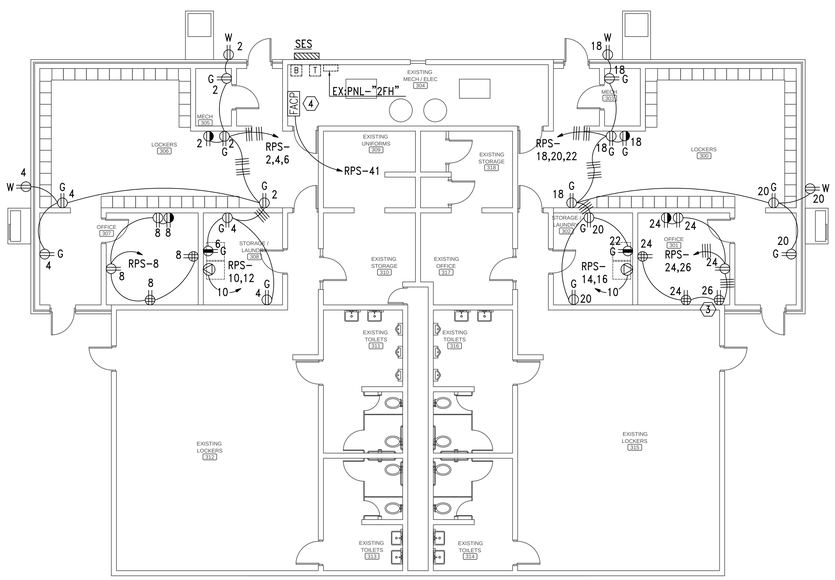
NO SCALE



N

3 E3.3 STORAGE ROOM - POWER

SCALE: 1/8"=1'-0"



N

1 E3.3 SOCCER FIELDHOUSE FLOOR PLAN- POWER

SCALE: 1/8"=1'-0"

1/8" = 1'-0

8' 0 8 16 FT

GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 29095 PROFESSIONAL 04/24/2026 ENGINEER KENNETH RAY GUNN

SHEET TITLE:
SOCCER FIELD HOUSE BUILDING FLOOR PLAN - POWER

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO: E3.3

0 1" 2"

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E3.3.dwg
- Tuesday, May 5, 2026 5:04:46 PM

GENERAL EQUIPMENT SCHEDULE PART "BASEBALL FACILITY"

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
CON-1	CONTROL PANEL	120V/1PH	----	0.600	----	TS	----	RPBB - 28	2#12 & 1#12GRD - 3/4"C
CP-1	CIRC. PUMP	120V/1PH	----	0.200	----	TS	----	RPBB - 19	2#12 & 1#12GRD - 3/4"C
EF-A1, B1, C1, D1	EXHAUST FANS	120V/1PH	----	0.486	----	TS	----	RPBB - 23	2#12 & 1#12GRD - 3/4"C
EF-E1	EXHAUST FANS	120V/1PH	1/8	----	----	TS	----	RPBB - 25	2#12 & 1#12GRD - 3/4"C
EUH-A1	ELECTRIC UNIT HEATER	480V/3PH	----	3.3	----	30/3/1	F	SEBB - 13,15,17	3#10 & 1#10GRD - 3/4"C
IHP-A1	INDOOR HEAT PUMP	480V/3PH	3	12	----	30/3/1	F	SEBB - 14,16,18	3#10 & 1#10GRD - 3/4"C
IHP-B1	INDOOR HEAT PUMP	208V/1PH	1/8	12	----	100/2/1	F	RPBB - 31,33	2#2 & 1#8GRD - 1 1/4"C
ODHP-A1	DUCTLESS HEAT PUMP	208V/1PH	----	----	11	30/2/3R	F	RPBB - 39,41	2#10 & 1#10GRD - 3/4"C
OCCHP-A1	DUCTLESS HEAT PUMP	208V/1PH	----	----	11	30/2/3R	F	RPBB - 27,29	2#10 & 1#10GRD - 3/4"C
OHP-A1	OUTDOOR HEAT PUMP	480V/3PH	----	----	8	30/3/3R	F	SEBB - 20,22,24	3#12 & 1#12GRD - 3/4"C
OHP-B1	OUTDOOR HEAT PUMP	208V/1PH	----	----	13.5	30/2/3R	F	RPBB - 35,37	2#8 & 1#10GRD - 1"C
PHP-A1	OUTDOOR HEAT PUMP	480V/3PH	----	----	108	200/3/3R	F	SEBB - 8,10,12	3#1 & 1#6GRD - 3/4"C
TC-1	TIME CLOCK	120V/1PH	----	0.200	----	TS	----	RPBB - 19	2#12 & 1#12GRD - 3/4"C
TP-1	TRAP PRIMER	120V/1PH	----	0.200	----	TS	----	RPBB - 21	2#12 & 1#12GRD - 3/4"C
TP-2	TRAP PRIMER	120V/1PH	----	0.200	----	TS	----	RPBB - 30	2#12 & 1#12GRD - 3/4"C
WH-1	ELECTRIC WATER HEATER	208V/1PH	----	4.5	----	30/2/1	F	RPBB - 15,17	2#10 & 1#10GRD - 3/4"C

NOTES:
1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH NEC AND ALL LOCAL CODES. COORDINATION SHALL BE DONE PRIOR TO BIDS AND ACCOUNTED FOR IN THE CONTRACTOR'S BID PRICE.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. "NF" - NON-FUSED
5. "F" - FUSED
6. "TS" MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ("W" - WEATHERPROOF) ("30-AMP" - 30-AMP RATED)
7. PROVIDE "TS2" FOR INSIDE UNIT THAT IS CONTROLLED BY OUTSIDE UNIT. TYPICALL FOR ALL CASETTE UNITS.
8. "WP" - WEATHERPROOF ENCLOSURE.
9. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS AND LOCATIONS FOR ALL CIRCULATING PUMPS AND TIME CLOCKS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

GENERAL EQUIPMENT SCHEDULE PART "SOFTBALL FACILITY"

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
CON-1	CONTROL PANEL	120V/1PH	----	0.600	----	TS	----	RPSB - 28	2#12 & 1#12GRD - 3/4"C
CP-1	CIRC. PUMP	120V/1PH	----	0.200	----	TS	----	RPSB - 19	2#12 & 1#12GRD - 3/4"C
EF-A1, B1, C1, D1	EXHAUST FANS	120V/1PH	----	0.486	----	TS	----	RPSB - 23	2#12 & 1#12GRD - 3/4"C
EF-E1	EXHAUST FANS	120V/1PH	1/8	----	----	TS	----	RPSB - 25	2#12 & 1#12GRD - 3/4"C
EUH-A1	ELECTRIC UNIT HEATER	480V/3PH	----	3.3	----	30/3/1	F	SESB - 13,15,17	3#10 & 1#10GRD - 3/4"C
IHP-A1	INDOOR HEAT PUMP	480V/3PH	3	12	----	30/3/1	F	SESB - 14,16,18	3#10 & 1#10GRD - 3/4"C
IHP-B1	INDOOR HEAT PUMP	208V/1PH	1/8	12	----	100/2/1	F	RPSB - 31,33	2#2 & 1#8GRD - 1 1/4"C
ODHP-A1	DUCTLESS HEAT PUMP	208V/1PH	----	----	11	30/2/3R	F	RPSB - 39,41	2#10 & 1#10GRD - 3/4"C
OCCHP-A1	DUCTLESS HEAT PUMP	208V/1PH	----	----	11	30/2/3R	F	RPSB - 27,29	2#10 & 1#10GRD - 3/4"C
OHP-A1	OUTDOOR HEAT PUMP	480V/3PH	----	----	8	30/3/3R	F	SESB - 20,22,24	3#12 & 1#12GRD - 3/4"C
OHP-B1	OUTDOOR HEAT PUMP	208V/1PH	----	----	13.5	30/2/3R	F	RPSB - 35,37	2#8 & 1#10GRD - 1"C
PHP-A1	OUTDOOR HEAT PUMP	480V/3PH	----	----	108	200/3/3R	F	SESB - 8,10,12	3#1 & 1#6GRD - 3/4"C
TC-1	TIME CLOCK	120V/1PH	----	0.200	----	TS	----	RPSB - 19	2#12 & 1#12GRD - 3/4"C
TP-1	TRAP PRIMER	120V/1PH	----	0.200	----	TS	----	RPSB - 21	2#12 & 1#12GRD - 3/4"C
TP-2	TRAP PRIMER	120V/1PH	----	0.200	----	TS	----	RPSB - 30	2#12 & 1#12GRD - 3/4"C
WH-1	ELECTRIC WATER HEATER	208V/1PH	----	4.5	----	30/2/1	F	RPSB - 15,17	2#10 & 1#10GRD - 3/4"C

NOTES:
1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH NEC AND ALL LOCAL CODES. COORDINATION SHALL BE DONE PRIOR TO BIDS AND ACCOUNTED FOR IN THE CONTRACTOR'S BID PRICE.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. "NF" - NON-FUSED
5. "F" - FUSED
6. "TS" MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ("W" - WEATHERPROOF) ("30-AMP" - 30-AMP RATED)
7. PROVIDE "TS2" FOR INSIDE UNIT THAT IS CONTROLLED BY OUTSIDE UNIT. TYPICALL FOR ALL CASETTE UNITS.
8. "WP" - WEATHERPROOF ENCLOSURE.
9. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS AND LOCATIONS FOR ALL CIRCULATING PUMPS AND TIME CLOCKS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.

GENERAL EQUIPMENT SCHEDULE PART "SOCCER FACILITY"

EQUIPMENT MARK:	EQUIPMENT DESCRIPTION:	VOLTAGE/PHASE:	ELECTRICAL CHARACTERISTICS:			DISCONNECT:	FUSE:	HOMERUN:	FEEDER:
			HP	KW	AMPS				
EX-C1	CONDESNING UNIT	208V/3PH	----	----	20	60/3/3R	F	EX:2FH (NOTE 10)	3#8 & 1#10GRD - 1"C
EX-C2	CONDESNING UNIT	208V/3PH	----	----	20	60/3/3R	F	EX:2FH (NOTE 10)	3#8 & 1#10GRD - 1"C
IHP-C1	INDOOR HEAT PUMP	208V/3PH	3/4	12	----	60/3/1	F	RPS - 13,15,17	3#4 & 1#10GRD - 1"C
IHP-C2	INDOOR HEAT PUMP	208V/3PH	3/4	12	----	60/3/1	F	RPS - 19,21,23	3#4 & 1#10GRD - 1"C
OCCHP-A1	DUCTLESS HEAT PUMP	208V/1PH	----	----	11	30/2/3R	F	RPS - 25,27	2#10 & 1#10GRD - 3/4"C
OCCHP-A2	DUCTLESS HEAT PUMP	208V/1PH	----	----	11	30/2/3R	F	RPS - 29,31	2#10 & 1#10GRD - 3/4"C
OHP-C1	OUTDOOR HEAT PUMP	208V/3PH	----	----	16	30/3/3R	F	RPS - 1,3,5	3#10 & 1#10GRD - 3/4"C
OHP-C2	OUTDOOR HEAT PUMP	208V/3PH	----	----	16	30/3/3R	F	RPS - 7,9,11	3#10 & 1#10GRD - 3/4"C
TP-1	TRAP PRIMER	120V/1PH	----	0.200	----	TS	----	RPS - 33	2#12 & 1#12GRD - 3/4"C
TP-2	TRAP PRIMER	120V/1PH	----	0.200	----	TS	----	RPS - 33	2#12 & 1#12GRD - 3/4"C

NOTES:
1. COORDINATE WITH MANUFACTURER'S CUTSHEETS OR NAMEPLATE DATA AND ADJUST OVERCURRENT PROTECTION AS NEEDED TO PROTECT EQUIPMENT PER MANUFACTURER'S RECOMMENDATIONS AND TO COMPLY WITH NEC AND ALL LOCAL CODES. COORDINATION SHALL BE DONE PRIOR TO BIDS AND ACCOUNTED FOR IN THE CONTRACTOR'S BID PRICE.
2. ALL DISCONNECTS SHALL BE HEAVY DUTY TYPE.
3. ALL FUSES SHALL BE SIZED PER NAMEPLATE DATA.
4. "NF" - NON-FUSED
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6. "TS" MANUAL MOTOR STARTER WITH THERMAL OVERLOAD ("W" - WEATHERPROOF) ("30-AMP" - 30-AMP RATED)
7. PROVIDE "TS2" FOR INSIDE UNIT THAT IS CONTROLLED BY OUTSIDE UNIT. TYPICALL FOR ALL CASETTE UNITS.
8. "WP" - WEATHERPROOF ENCLOSURE.
9. CONTRACTOR SHALL COORDINATE EXACT REQUIREMENTS AND LOCATIONS FOR ALL CIRCULATING PUMPS AND TIME CLOCKS WITH MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
10. CONNECT TO 40A/3P CIRCUIT BREAKER THAT PREVIOUSLEY SERVED UNIT.

LATHAN ▪ McKEE ARCHITECTS

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-223

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26998 PROFESSIONAL ENGINEER KENNETH RAY GUNN, JR. 04/24/2026

SHEET TITLE:
GENERAL EQUIPMENT SCHEDULES

PROJ. MGR.: J. TILLERY
DRAWN: J. TILLERY
DATE: 04.24.2026
REVISIONS

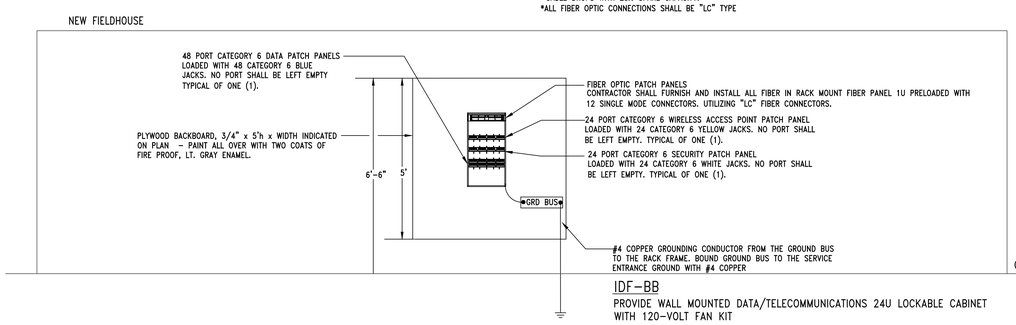
JOB NO. 25-111
SHEET NO:
E3.4

0 1" 2"

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E3.4.dwg
- Tuesday, May 5, 2026 5:04:53 PM

DATA CABLING & KEYSTONE COLOR CODE REQUIREMENT	
DATA CABLING	BLUE CAT6
WIRELESS ACCESS CABLING	GREEN CAT6
SECURITY CAMERA CABLING	BLUE CAT6

*ALL DATA CABLES SHALL BE TERMINATED ON DATA PATCH PANELS
*ALL WIRELESS ACCESS CABLES SHALL BE TERMINATED ON WIRELESS ACCESS PATCH PANELS
*ALL SECURITY CAMERA CABLES SHALL BE TERMINATED ON SECURITY CAMERA PATCH PANELS
*PROVIDE NUMBER OF PATCH PANEL PARTS AS REQUIRED FOR ALL STRUCTURED CABLE DROPS WITH 25% SPARE CAPACITY.
*ALL FIBER OPTIC CONNECTIONS SHALL BE "LC" TYPE

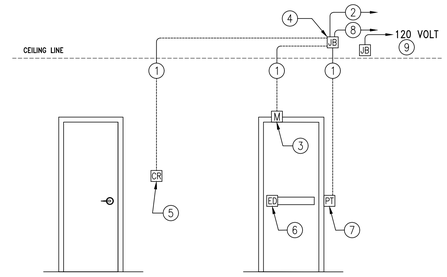


2 / E4.1 IDF-BB COMMUNICATIONS RACK ELEVATION
NO SCALE

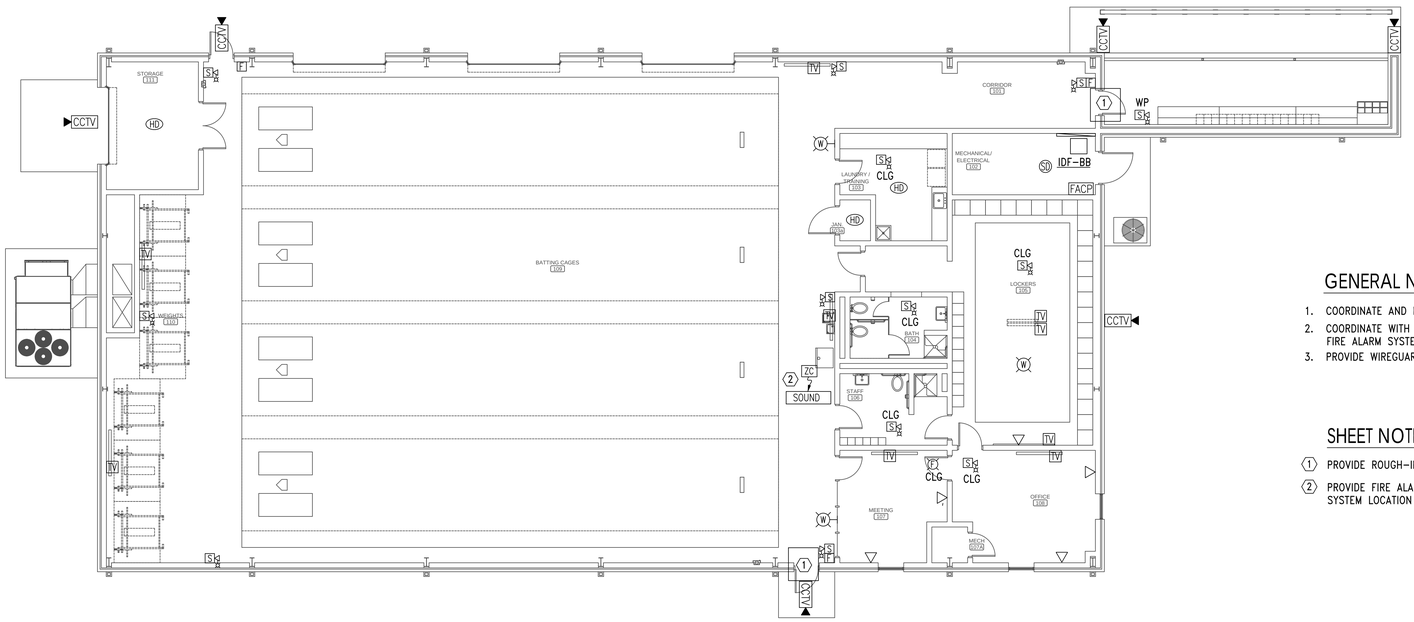
DOOR/SECURITY/ACCESS HARDWARE KEY

1. 3/4" CONDUIT TO JUNCTION BOX.
2. 3/4" CONDUIT STUBBED TO ABOVE NEAREST ACCESSIBLE CEILING.
3. RECESSED DOOR POSITION SWITCH. FRAME TO BE PREPPED BY DOOR SUPPLIER.
4. 4 SQUARE JUNCTION BOX MOUNTED ABOVE NEAREST ACCESSIBLE CEILING.
5. CARD READER. OWNER PROVIDED DEVICE CONTRACTOR PROVIDES RACEWAY SINGLE GANG JUNCTION BOX MOUNTED 48" A.F.F.
6. EXIT DEVICE WITH LATCH RETRACTION AND INTEGRAL REQUEST – TO – EXIT SWITCH.
7. POWER TRANSFER HINGE. (BY OTHERS). RACEWAY BY CONTRACTOR
8. PROVIDE ONE CAT 6 AND ONE BANANA CABLE CONNECTION BACK TO IDF WITH 20' SLACK AT DOOR. COORDINATE WITH OWNER AND IF ONE CABLE CAN BE ELIMINATED THEN IT WILL BE ALLOWED TO BE ELIMINATED.
9. PROVIDE POWER FROM CLOSEST UNSWITCHED RECEPTACLE CIRCUIT.

CONTRACTOR SHALL COORDINATE CONDUIT ROUGH-IN LOCATIONS WITH OWNER'S ACCESS CONTROL VENDOR PRIOR TO ROUGH-IN OF DOORS AND ADJUST CONDUIT AS NEEDED.



A / E4.1 TYPICAL DOOR TYPE "A"
NO SCALE



GENERAL NOTES:

1. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.
2. COORDINATE WITH RISER DIAGRAMS FOR ADDITIONAL REQUIREMENTS FOR COMMUNICATIONS AND FIRE ALARM SYSTEMS.
3. PROVIDE WIREGUARDS ON ALL WALL MOUNTED FIRE ALARM DEVICES IN THE FACILITY.

SHEET NOTES:

1. PROVIDE ROUGH-IN FOR SECURITY DOOR PER DETAIL A THIS SHEET.
2. PROVIDE FIRE ALARM RELAY TO MUTE OWNER PROVIDED SOUND SYSTEM. COORDINATE SOUND SYSTEM LOCATION WITH OWNER AND PROVIDE RELAY AT THAT LOCATION.

1 / E4.1 BASEBALL FIELDHOUSE FLOOR PLAN - AUXILIARY
SCALE: 1/8"=1'-0"

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26998 PROFESSIONAL ENGINEER 04/24/2026 KENNETH RAY GUNN, JR.

SHEET TITLE:
BASEBALL FIELDHOUSE FLOOR PLAN - AUXILIARY

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

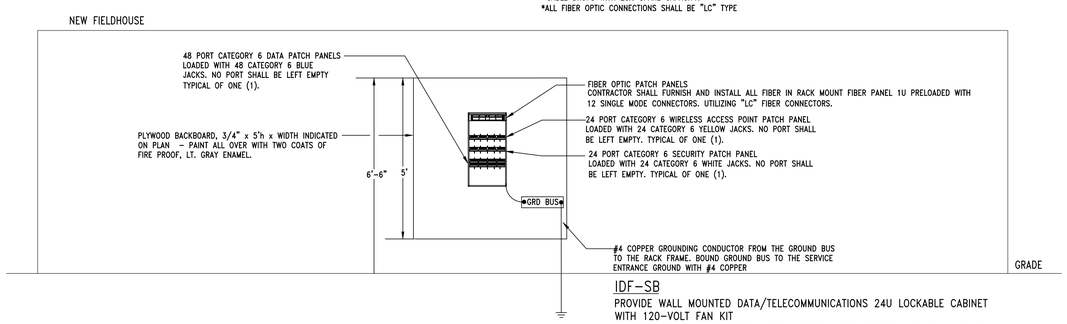
JOB NO. 25-111
SHEET NO: E4.1

0 1" 2"

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E4.1.dwg
- Tuesday, May 5, 2026 5:04:56 PM

DATA CABLING & KEYSTONE COLOR CODE REQUIREMENT	
DATA CABLING	BLUE CAT6
WIRELESS ACCESS CABLING	GREEN CAT6
SECURITY CAMERA CABLING	BLUE CAT6

*ALL DATA CABLES SHALL BE TERMINATED ON DATA PATCH PANELS
*ALL WIRELESS ACCESS CABLES SHALL BE TERMINATED ON WIRELESS ACCESS PATCH PANELS
*ALL SECURITY CAMERA CABLES SHALL BE TERMINATED ON SECURITY CAMERA PATCH PANELS
*PROVIDE NUMBER OF PATCH PANEL PARTS AS REQUIRED FOR ALL STRUCTURED CABLE DROPS WITH 25% SPARE CAPACITY.
*ALL FIBER OPTIC CONNECTIONS SHALL BE "LC" TYPE

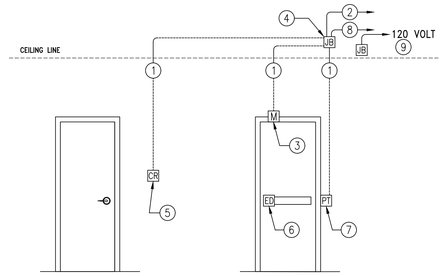


2 / E4.2 IDF-SB COMMUNICATIONS RACK ELEVATION
NO SCALE

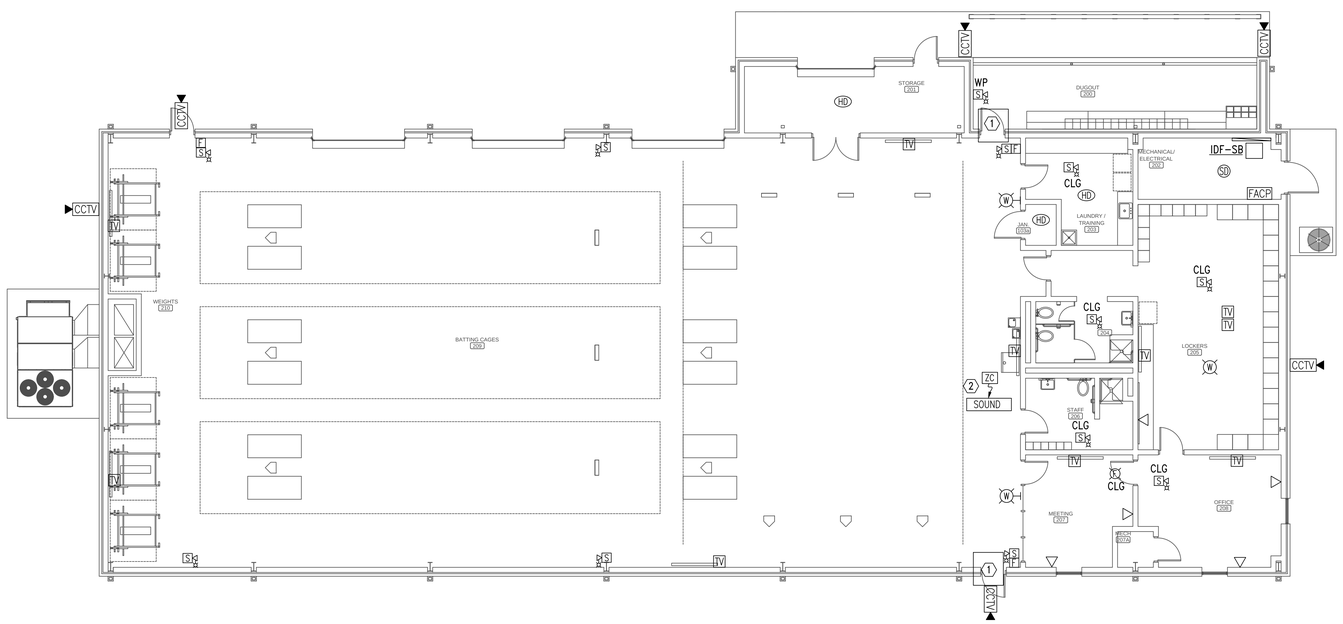
DOOR/SECURITY/ACCESS HARDWARE KEY

1. 3/4" CONDUIT TO JUNCTION BOX.
2. 3/4" CONDUIT STUBBED TO ABOVE NEAREST ACCESSIBLE CEILING.
3. RECESSED DOOR POSITION SWITCH. FRAME TO BE PREPPED BY DOOR SUPPLIER.
4. 4 SQUARE JUNCTION BOX MOUNTED ABOVE NEAREST ACCESSIBLE CEILING.
5. CARD READER. OWNER PROVIDED DEVICE CONTRACTOR PROVIDES RACEWAY SINGLE GANG JUNCTION BOX MOUNTED 48" A.F.F.
6. EXIT DEVICE WITH LATCH RETRACTION AND INTEGRAL REQUEST – TO – EXIT SWITCH.
7. POWER TRANSFER HINGE. (BY OTHERS). RACEWAY BY CONTRACTOR
8. PROVIDE ONE CAT 6 AND ONE BANANA CABLE CONNECTION BACK TO IDF WITH 20' SLACK AT DOOR. COORDINATE WITH OWNER AND IF ONE CABLE CAN BE ELIMINATED THEN IT WILL BE ALLOWED TO BE ELIMINATED.
9. PROVIDE POWER FROM CLOSEST UNSWITCHED RECEPTACLE CIRCUIT.

CONTRACTOR SHALL COORDINATE CONDUIT ROUGH-IN LOCATIONS WITH OWNER'S ACCESS CONTROL VENDOR PRIOR TO ROUGH-IN OF DOORS AND ADJUST CONDUIT AS NEEDED.



A / E4.2 TYPICAL DOOR TYPE "A"
NO SCALE



2 / E3.2 SOFTBALL FIELDHOUSE FLOOR PLAN - AUXILIARY
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.
2. COORDINATE WITH RISER DIAGRAMS FOR ADDITIONAL REQUIREMENTS FOR COMMUNICATIONS AND FIRE ALARM SYSTEMS.
3. PROVIDE WIREGUARDS ON ALL WALL MOUNTED FIRE ALARM DEVICES IN THE FACILITY.

SHEET NOTES:

1. PROVIDE ROUGH-IN FOR SECURITY DOOR PER DETAIL A THIS SHEET.
2. PROVIDE FIRE ALARM RELAY TO MUTE OWNER PROVIDED SOUND SYSTEM. COORDINATE SOUND SYSTEM LOCATION WITH OWNER AND PROVIDE RELAY AT THAT LOCATION.

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26958 PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 04/24/2026

SHEET TITLE:
SOFTBALL FIELDHOUSE FLOOR PLAN - AUXILIARY

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-223

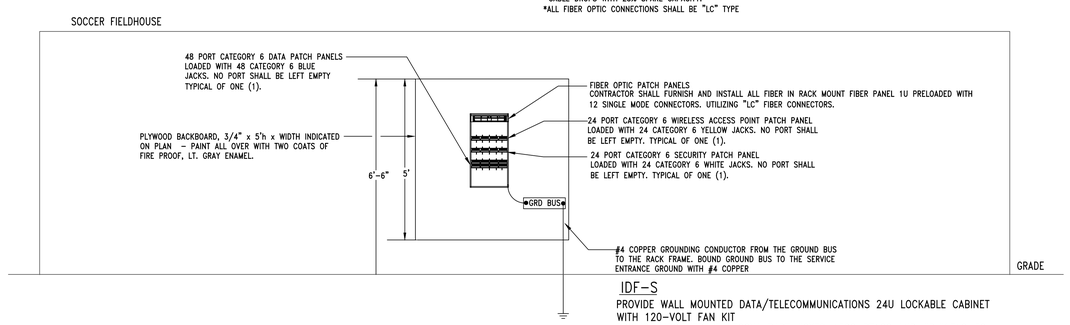
JOB NO. 25-111
SHEET NO:
E4.2

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- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E4.2.dwg
- Tuesday, May 5, 2026 5:05:01 PM

DATA CABLING & KEYSTONE COLOR CODE REQUIREMENT	
DATA CABLING	BLUE CAT6
WIRELESS ACCESS CABLING	GREEN CAT6
SECURITY CAMERA CABLING	BLUE CAT6

*ALL DATA CABLES SHALL BE TERMINATED ON DATA PATCH PANELS
*ALL WIRELESS ACCESS CABLES SHALL BE TERMINATED ON WIRELESS ACCESS PATCH PANELS
*ALL SECURITY CAMERA CABLES SHALL BE TERMINATED ON SECURITY CAMERA PATCH PANELS
*PROVIDE NUMBER OF PATCH PANEL PARTS AS REQUIRED FOR ALL STRUCTURED CABLE DROPS WITH 25% SPARE CAPACITY.
*ALL FIBER OPTIC CONNECTIONS SHALL BE "LC" TYPE

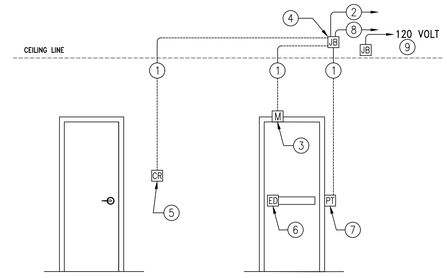


2 E4.3 IDF-S COMMUNICATIONS RACK ELEVATION
NO SCALE

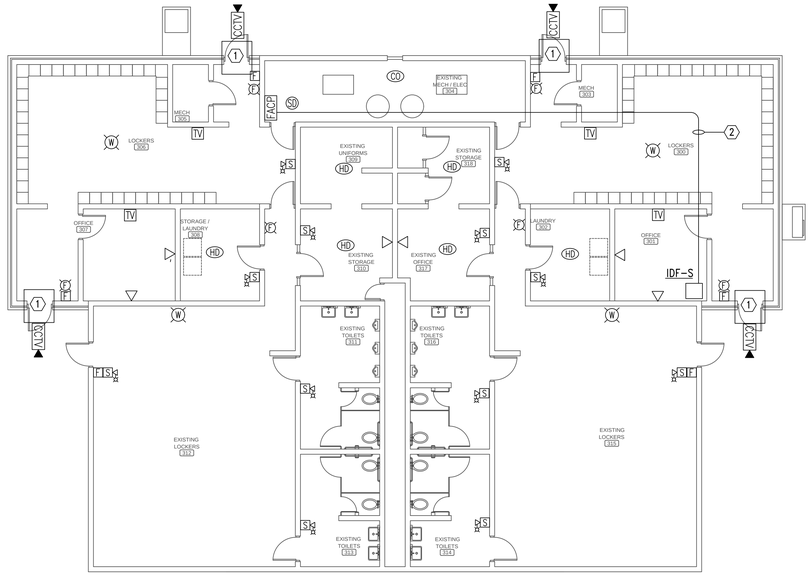
DOOR/SECURITY/ACCESS HARDWARE KEY

1. 3/4" CONDUIT TO JUNCTION BOX.
2. 3/4" CONDUIT STUBBED TO ABOVE NEAREST ACCESSIBLE CEILING.
3. RECESSED DOOR POSITION SWITCH. FRAME TO BE PREPPED BY DOOR SUPPLIER.
4. 4 SQUARE JUNCTION BOX MOUNTED ABOVE NEAREST ACCESSIBLE CEILING.
5. CARD READER. OWNER PROVIDED DEVICE CONTRACTOR PROVIDES RACEWAY SINGLE GANG JUNCTION BOX MOUNTED 48" A.F.F.
6. EXIT DEVICE WITH LATCH RETRACTION AND INTEGRAL REQUEST - TO - EXIT SWITCH.
7. POWER TRANSFER HINGE. (BY OTHERS). RACEWAY BY CONTRACTOR
8. PROVIDE ONE CAT 6 AND ONE BANANA CABLE CONNECTION BACK TO IDF WITH 20' SLACK AT DOOR. COORDINATE WITH OWNER AND IF ONE CABLE CAN BE ELIMINATED THEN IT WILL BE ALLOWED TO BE ELIMINATED.
9. PROVIDE POWER FROM CLOSEST UNSWITCHED RECEPTACLE CIRCUIT.

CONTRACTOR SHALL COORDINATE CONDUIT ROUGH-IN LOCATIONS WITH OWNER'S ACCESS CONTROL VENDOR PRIOR TO ROUGH-IN OF DOORS AND ADJUST CONDUIT AS NEEDED.



A E4.3 TYPICAL DOOR TYPE "A"
NO SCALE



N 1 E3.3 FOOTBALL / SOCCER FIELDHOUSE FLOOR PLAN- AUXILIARY
SCALE: 1/8"=1'-0"

GENERAL NOTES:

1. COORDINATE AND MOUNT COMMUNICATIONS OUTLETS WITHIN 6" OF CORRESPONDING POWER RECEPTACLE.
2. COORDINATE WITH RISER DIAGRAMS FOR ADDITIONAL REQUIREMENTS FOR COMMUNICATIONS AND FIRE ALARM SYSTEMS.
3. PROVIDE WIREGUARDS ON ALL WALL MOUNTED FIRE ALARM DEVICES IN THE FACILITY.

SHEET NOTES:

1. PROVIDE ROUGH-IN FOR SECURITY DOOR PER DETAIL A THIS SHEET.
2. PROVIDE 2" CONDUIT FROM ABOVE FACP TO ABOVE IDF-S.

1/8" = 1'-0
8' 0 8 16 FT
GRAPHIC SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26995 PROFESSIONAL ENGINEER KENNETH RAY GUNN JR. 04/24/2026

SHEET TITLE:
SOCCER FIELD HOUSE BUILDING FLOOR PLAN - AUXILIARY

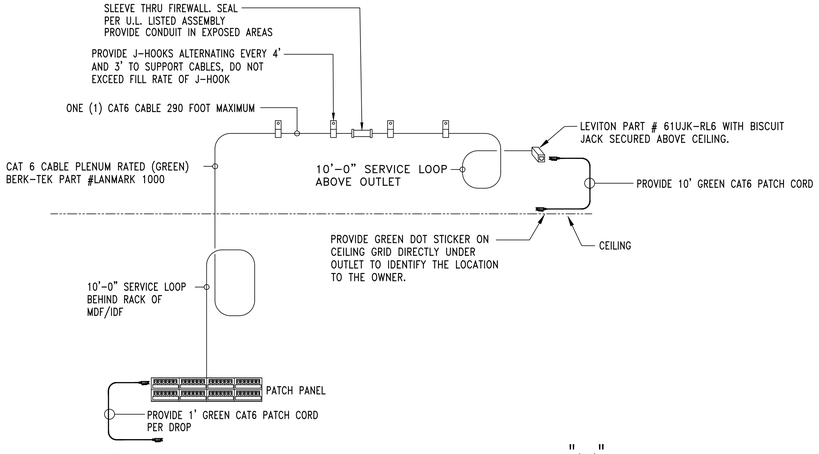
PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111
SHEET NO: E4.3

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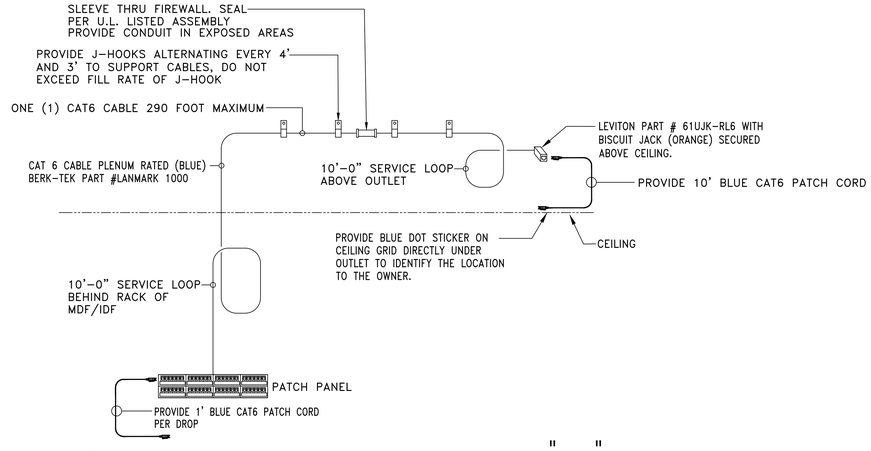
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- Tuesday, May 5, 2026 5:05:06 PM

DATA CABLING & KEYSTONE COLOR CODE REQUIREMENT	
DATA CABLING	BLUE CAT6
WIRELESS ACCESS CABLING	GREEN CAT6
SECURITY CAMERA CABLING	BLUE CAT6

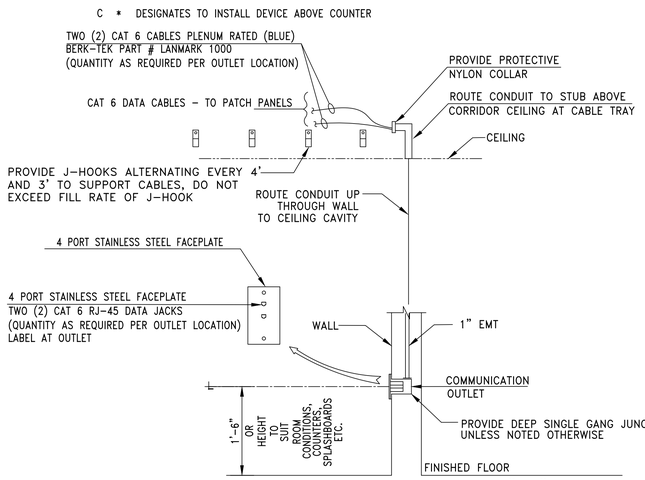


1 E4.4 DETAIL - TYPICAL WIRELESS ACCESS POINT OUTLET "W"
NO SCALE

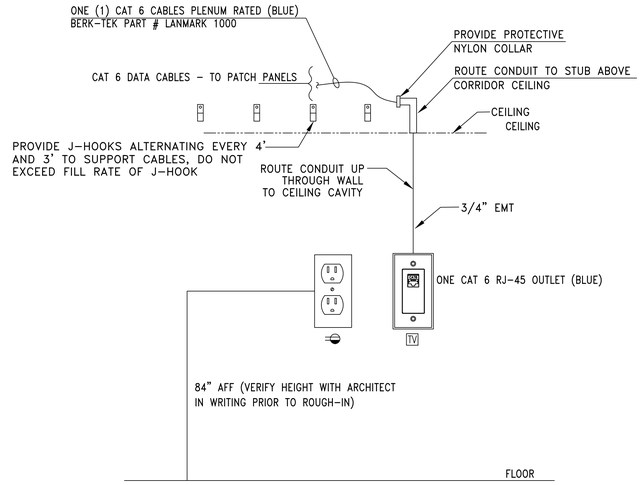
* NOTE: EXTERIOR CAMERAS PROVIDE SINGLE GANG JUNCTION BOX WITH 3/4" CONDUIT STUBBED TO ABOVE INTERIOR CEILING. COORDINATE EXTERIOR CAMERA KEYSTONE LOCATION WITH OWNER PRIOR TO INSTALLATION



2 E4.4 DETAIL - TYPICAL SECURITY CAMERA OUTLET "CCTV"
NO SCALE



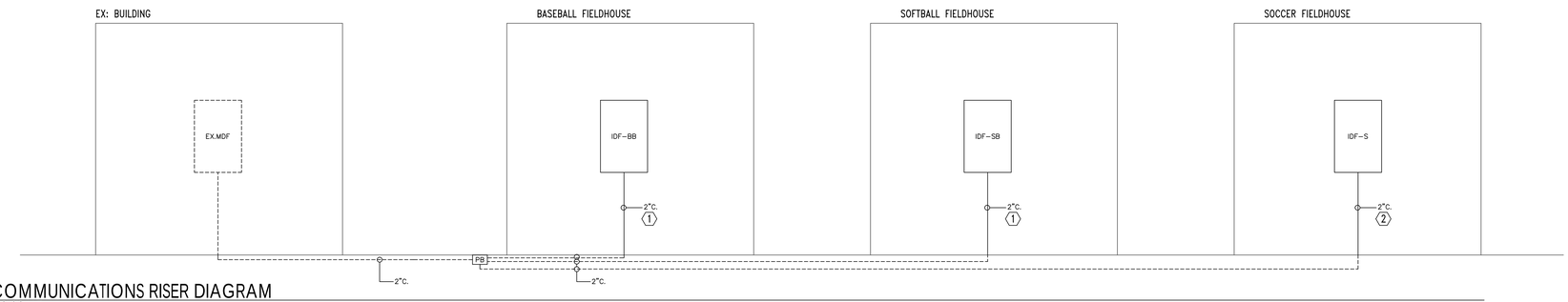
3 E4.4 DETAIL - TYPICAL COMMUNICATIONS OUTLET "▽"
NO SCALE



4 E4.4 DETAIL - TYPICAL TV COMMUNICATIONS OUTLET "TV"
NO SCALE

COMMUNICATIONS RISER DIAGRAM SHEET NOTES:

1. CONTRACTOR SHALL PROVIDE A 6 STRAND OUTSIDE PLANT RATED ARMORED OS2 SINGLE MODE FIBER OPTIC CABLE INTERCONNECTING THE EXISTING MDF IN THE EXISTING BUIDLING TO THE NEW IDF. PROVIDE FIBER OPTIC PATCH EQUIPMENT IN EXISTING COMMUNICATIONS RACK TO INTERCONNECT THE TWO BUILDINGS BY FIBER. PROVIDE "LC" TYPE FIBER CONNECTIONS. VISIT SITE PRIOR TO BIDS AND ADJUST ROUTING AND CABLING LENGTHS ACCORDINGLY. PROVIDE FIBER OPTIC PATCH PANEL AS NEEDED AT EXISTING RACK TO TERMINATE FIBER.



5 E4.4 COMMUNICATIONS RISER DIAGRAM
NO SCALE

COMMUNICATION NOTES:

1. PROVIDE 5/8" STRUT ASSEMBLY AT TOP AND BOTTOM OF TBB TO SUPPORT ALL CONDUITS TERMINATING AT BACKBOARD.
2. TBB SHALL BE 3/4" PLYWOOD EXTERIOR RATED AND CUT TO COVER ALL WALLS OR AS INDICATED. PAINT WITH TWO COATS OF FIRE RETARDANT PAINT. MOUNT 2' AFF.
3. PROVIDE A PLASTIC BUSHING OR PROTECTIVE COLLAR AT EACH CONDUIT TERMINATION, INCLUDING TERMINATIONS ABOVE THE CEILING, AT CABLE TRAY, OR AT TBB.
4. ALL CONDUIT TERMINATIONS SHOULD BE DONE EVENLY AT THE TOP AND BOTTOM OF TBB. TERMINATIONS SHALL BE MADE WITHIN THE FIRST FEW INCHES OF THE TBB.
5. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
6. PROVIDE GROUND BUS FOR EACH TBB. SEE GROUND BUS INSTALLATION DETAIL.
7. PROVIDE ALL CONDUITS WITH PULLWIRES.
8. STENCIL ALL JUNCTION BOX COVERS ABOVE THE CEILING WITH 2" LETTERS THAT READ "COMM".
9. ELECTRICAL CONTRACTOR WILL BE RESPONSIABLE FOR ALL RACEWAYS, CONDUIT, LB'S, CABLING, PATCH PANELS, TERMINATIONS, BACKBOARDS, ETC. SEE RISER DIAGRAM, DETAILS, AND SPECIFICATIONS FOR FURTHER EQUIPMENT REQUIREMENTS.

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS
AT THE
GULF SHORES SPORTSPLEX
FOR THE
GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED PROFESSIONAL ENGINEER NO. 26985 KENNETH RAY GUNN, JR. 04/24/2026

SHEET TITLE:
COMMUNICATION DETAILS

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

SHEET NO:
E4.4

0 1" 2"

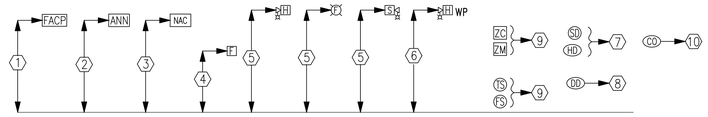
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- Tuesday, May 5, 2026 5:05:11 PM

FIRE ALARM SYSTEM NOTES:

1. THE FIRE ALARM SYSTEM SHALL BE A COMPLETE SUPERVISED DETECTION AND ALARM SYSTEM. PROVIDE PRIMARY POWER CIRCUITS AND ALARM NOTIFICATION AND INITIATING CIRCUITS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
2. INSTALLATION SHALL COMPLY WITH THE ADA, NEC, NFPA, AND UL.
3. ALL SYSTEM COMPONENTS, ENCLOSURES, FRAMES, SURGE ARRESTORS, ETC., SHALL BE GROUNDED.
4. THE FIRE ALARM WIRING SYSTEM SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S REQUIREMENTS FOR CLASS "B" SYSTEM AND AS FOLLOWS:
   PRIMARY POWER – 120V AC
   NOTIFICATION APPLIANCE CIRCUITS (NAC) – 24V DC
   SIGNALING LINE CIRCUIT (SLC) – 24V DC
5. ALL EQUIPMENT AND DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS, APPLICABLE STANDARDS AND ACCESSIBLE FOR VISUAL INSPECTION AND MAINTENANCE. WIRING DIAGRAMS SHALL BE SECURED FROM THE SYSTEM MANUFACTURER AND INSTALLED ACCORDINGLY TO MEET THE SPECIFIED TYPES.
6. A "CERTIFICATE OF COMPLETION" IN ACCORDANCE WITH NFPA 72 SHALL BE FURNISHED PRIOR TO FINAL ACCEPTANCE.
7. CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND PROVIDING ALL FIRE ALARM DEVICE QUANTITIES FROM AUXILIARY DRAWINGS. DO NOT USE THIS RISER FOR DEVICE COUNTS.
8. THE CONTRACTOR OR THEIR FIRE ALARM SYSTEM VENDOR SHALL PROVIDE AUDIBILITY CALCULATIONS INDICATING COMPLIANCE WITH ALL APPLICABLE PROVISIONS OF NFPA 72 AND THE IBC. THE CONTRACT DRAWINGS INDICATE A MINIMUM DESIGN REQUIRED TO COMPLY WITH APPLICABLE CODES. HOWEVER, SINCE DEVICES VARY FROM MANUFACTURER TO MANUFACTURER THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ANY/ALL ADDITIONAL DEVICES AS REQUIRED TO PROVIDE AUDIBILITY AND VISIBILITY LEVELS THAT COMPLY WITH APPLICABLE SECTIONS OF NFPA 72 AND IBC.
9. PROVIDE ADDITIONAL 100% SPARE CAPACITY IN FIRE ALARM CONTROL PANEL FOR FUTURE USE.
10. PROVIDE EMERGENCY BATTERIES CAPABLE OF RUNNING THE COMPLETE FIRE ALARM SYSTEM IN ALARM MODE, PER NFPA GUIDELINES AT A MINUMUM. BATTERIES SHALL BE SIZED TO HANDLE THE FUTURE CAPACITY.
11. THE FIRE ALARM SYSTEM SHALL BE MONITORED BY AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH NFPA 72. PROVIDE IP DIALER FOR MONITORING OF THE FIRE ALARM SYSTEM.
12. ALL WIRING TO BE IN CONDUIT SIZED IN ACCORDANCE WITH NEC WITH A MINIMUM SIZE OF 3/4". PROVIDE ALL FIRE ALARM CONDUIT WITH 3" WIDE RED STRIPE EVERY 10' FOR LENGTH OF RUN.
13. PROVIDE ALL FIRE ALARM JUNCTION BOXES WITH RED COVER, STENCIL THE LETTERS "FA" IN 2" HIGH LETTERS ON EACH BOX COVER.
14. FIRE ALARM SYSTEM PROVIDER IS RESPONSIBLE FOR PROVIDING SIGNAL LINE BOOSTERS AS REQUIRED FOR SYSTEM TO FUNCTION PROPERLY.
15. IN ADDITION TO THE DEVICES INDICATED ON THE PLANS THE CONTRACTOR SHALL PROVIDE A SMOKE DETECTOR LOCATED WITHIN 5 FEET OF EACH FIRE ALARM NOTIFICATION APPLIANCE PANEL.
16. CONTRACTOR SHALL PROVIDE ALL ADDITIONAL 120 VOLT CIRCUITS NEEDED TO MAKE THE FIRE ALARM SYSTEM A COMPLETE FUNCTIONAL SYSTEM.
17. PROVIDE VOICE EVACUATION PER IBC SECTION 907 AND ALL SECTIONS OF THE INTERNATIONAL FIRE CODE.
18. "CLG" DENOTES A CEILING MOUNTED DEVICE AND "WP' DENOTES WEATHERPROOF DEVICE.
19. SEE STANDARD MOUNTING HEIGHT INSTRUCTIONS ON DETAILS (2) THIS SHEET.
20. CONTRACTOR OR THEIR FIRE ALARM SYSTEM VENDOR SHALL PROVIDE SMOKE DETECTOR REPORTS AT THE FINAL TESTING OF THE FIRE ALARM SYSTEM TO SHOW THAT ALL SMOKE DETECTORS ARE LESS THAN 10% DIRTY. ANY SMOKE DETECTOR GREATER THAN 10% DIRTY SHALL BE CLEANED OR REPLACED UNTIL VALUE IS LESS THAN 10%.
21. CONTRACTOR SHALL COORDINATE WITH FIRE PROTECTION DRAWINGS AND PROVIDE MONITORING FOR ALL TAMPER, FLOW, AND SUPERVISORY SWITCHES AS REQUIRED PER NFPA. ALSO, COORDINATE AND PROVIDE HEAT DETECTORS WITHIN 1' OF EVERY SPRINKLER HEAD IN THE ELEVATOR SHAFT.

FIRE ALARM MOUNTING HEIGHTS/INSTRUCTIONS NOTES:

1. MOUNT FIRE ALARM ENCLOSURE WITH THE TOP OF THE CABINET 72" ABOVE THE FINISHED FLOOR OR CENTER THE CABINET AT 63", WHICHEVER IS LOWER.
2. MOUNT ANNUNCIATOR WITH THE TOP OF THE PANEL 72" ABOVE THE FINISHED FLOOR OR CENTER OF THE PANEL AT 63", WHICHEVER IS LOWER. FLUSH MOUNT ANNUNCIATOR UNLESS OTHERWISE NOTED.
3. REMOTE POWER SUPPLIES AND AUXILIARY FIRE ALARM PANELS. LOCATE THE PANEL OR CABINET WITH THE TOP OF THE PANEL 72" ABOVE THE FINISHED FLOOR OR CENTER THE PANEL AT 63", WHICHEVER IS LOWER. DO NOT LOCATE THESE PANELS ABOVE CEILINGS OR WHERE INACCESSIBLE BY A PERSON STANDING ON THE FINISHED FLOOR OF THE SPACE.
4. MOUNT STATIONS SO THAT THEIR OPERATING HANDLES ARE BETWEEN 42" AND 48" ABOVE THE FINISHED FLOOR. DO NOT USE BRICK OR BLOCK COURSES AS YOUR ONLY GUIDE. CUT BRICK OR BLOCK TO ACHIEVE PROPER HANDLE HEIGHT.
5. ALL WALL MOUNTED AUDIO/VISUAL DEVICES SHALL BE MOUNTED SO THE ENTIRE LENS IS BETWEEN 80" AND 96" ABOVE THE FINISHED FLOOR. WHERE LOW CEILING HEIGHTS DO NOT PERMIT MOUNTING AT A MINIMUM OF 80" AFF, VISIBLE APPLIANCES SHALL BE MOUNTED WITHIN 6" OF THE CEILING. DO NOT USE BRICK OR BLOCK COURSES AS YOUR ONLY GUIDE. CUT BRICK OR BLOCK TO ACHIEVE PROPER LENS HEIGHT.
6. WEATHER PROOF APPLIANCES INSTALLED OUTDOORS SHALL BE UL LISTED FOR OUTDOOR USE. MOUNT SO THE ENTIRE LENS IS BETWEEN 80" AND 96" ABOVE FINISHED FLOOR. FOR WEATHERPROOF APPLIANCES MOUNTED AT FIRE DEPARTMENT CONNECTION (FDC), COORDINATE WITH LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ROUGH-IN FOR MOUNTING HEIGHT.
7. SMOKE AND HEAT DETECTOR HEADS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED. IF DETECTOR HEADS ARE INSTALLED PRIOR TO CONSTRUCTION CLEAN-UP, PROTECTIVE COVERS MUST BE IN PLACE TO PROTECT DETECTOR HEADS FROM PARTICULATE DAMAGE. DETECTORS LOCATED ON THE WALL SHALL HAVE THE TOP OF THE DETECTOR AT LEAST 4" AND NOT MORE THAN 12" BELOW THE CEILING. INSTALL SMOKE DETECTORS NO CLOSER THAN 3 FEET FROM AIR HANDLING SUPPLY AIR DIFFUSERS OR RETURN AIR OPENINGS. LOCATE DETECTORS NO CLOSER THAN 12" FROM ANY PART OF A LIGHTING FIXTURE.
8. DUCT SMOKE DETECTOR HEADS SHALL NOT BE INSTALLED UNTIL AFTER CONSTRUCTION CLEAN-UP IS COMPLETED. DETECTOR HEADS INSTALLED PRIOR TO CONSTRUCTION CLEAN-UP SHALL BE REPLACED. DUCT DETECTORS ARE TO BE PROVIDED BY THE FIRE ALARM CONTRACTOR AND INSTALLED BY THE MECHANICAL CONTRACTOR.
9. ADDRESSABLE MODULES SHALL BE INSTALLED LESS THAN 3-FEET FROM THE DEVICE BEING CONTROLLED OR MONITORED. ORIENT THE DEVICE MOUNTING FOR BEST MAINTENANCE ACCESS. LABEL ALL ADDRESSABLE MODULES AS TO THEIR FUNCTION.
10. MOUNT WITHIN 5'-0" OF FURNACE DISCHARGE REGISTER.



3 / E4.5 STANDARD MOUNTING HEIGHTS/INSTRUCTIONS
NO SCALE

EMERGENCY RADIO SYSTEM

PROVIDE EMERGENCY RESPONDER RADIO SYSTEM TO MEET 2021 INTERNATIONAL FIRE CODE WITHIN THE BUILDING. SYSTEM SHALL MEET UL2524 AND COMPLY WITH IBC 2021 510.

BASE BID:

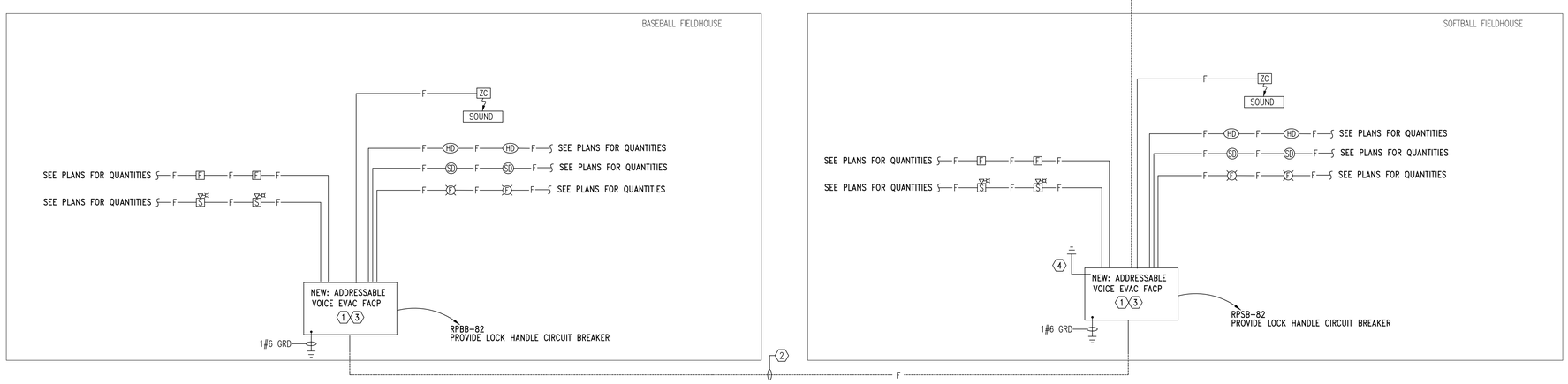
1. ELECTRICAL CONTRACTOR SHALL PROVIDE (1) SIGNAL STRENGTH TEST AT (5) LOCATIONS ON SITE WITHIN PROPOSED BUILDING FOOTPRINT. THE RESULTS SHALL BE SUBMITTED TO THE FIRE MARSHAL FOR ACCEPTANCE.
2. PROVIDE SHOP DRAWING FOR A DISTRIBUTION ANTENNA SYSTEM WITH AMPLIFIER TO COVER THE ENTIRE STRUCTURE TO MEET 510.4. SHOP DRAWINGS SHALL INCLUDE AMPLIFIER INFORMATION, ANTENNA LOCATIONS/COVERAGE, BATTERY DATA.
3. ELECTRICAL CONTRACTOR SHALL PROVIDE EMPTY CONDUIT WITH NYLON PULL STRINGS AS REFLECTED ON DRAWINGS. CONDUIT SHALL BE INSTALLED AS BASED BID AND ARE NOT ALLOWED FOR USE WITH ANY OTHER SYSTEM. ALL EMERGENCY RESPONDER RADIO SYSTEM CONDUIT SHALL BE MARKED WITH 'BDA'.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE (1) SIGNAL STRENGTH TEST WITHIN THE BUILDING AT 80% COMPLETION OF CONSTRUCTION. THE RESULTS SHALL BE SUBMITTED TO THE FIRE MARSHAL FOR ACCEPTANCE. IF SIGNAL STRENGTH AT ANY PORTION OF THE BUILDING FALLS BELOW REQUIREMENTS OF IFC 510 AN EMERGENCY RESPONDER RADIO SYSTEM SHALL BE PROVIDED. SEE ALLOWANCE FOR ADDITIONAL INFORMATION.

ALLOWANCE:

1. IF THE TEST SIGNAL IS DEEMED NOT TO BE ACCEPTABLE THE ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING BY ALLOWANCE. PROVIDE AMPLIFIER, ANTENNA AND ALL ADDITIONAL REQUIRED SYSTEM PARTS IN ACCORDANCE WITH THE APPROVED SHOP DRAWINGS (SEE ITEM 2 UNDER BASE BID ABOVE) AND IFC 2021 510.5. THIS INCLUDES OBTAINING PERMIT PER SECTION 510.3. THE SYSTEM SHALL BE RETESTED BY THE TESTING AGENCY PER 510.5.3 AND TEST RECORDS SHALL BE PROVIDED TO THE FIRE MARSHALL FOR ACCEPTANCE.

SHEET NOTES:

1. PROVIDE NETWORKING CARDS AND ALL OTHER MATERIAL TO HAVE FIRE ALARM SYSTEMS FUNCTION AS ONE SYSTEM.
2. PROVIDE 2"CONDUIT & FIBER OPTIC CONNECTION BETWEEN CENTRAL FIRE ALARM CONTROL PANEL IN SOFTBALL BUILDING AND SECONDARY FIRE ALARM CONTROL PANEL IN OUTER BUILDING. PROVIDE ALL CONNECTORS, JUNCTION FIBER CABLES, TERMINATIONS, NETWORK CARDS, ETC. REQUIRED FOR FULL DUPLEX FIBER COMMUNICATIONS. SEE ELECTRICAL SITE PLAN FOR CONDUIT REQUIREMENTS.
3. PROVIDE SURGE SUPPRESSION ON ON ALL INCOMING AND OUTGOING CABLES WHERE THEY ENTER OR EXIT THE FACILITY. SURGE SUPPRESSION WILL BE REQUIRED FOR EACH CABLE.
4. PROVIDE A UL LISTED CELLULAR COMMUNICATOR IN THE NEW FIRE ALARM PANEL. MUST BE COMPATIBLE WITH THE CURRENT COUNTY WIDE EST MONITORING SYSTEM.



1 / E4.5 FIRE ALARM - RISER DIAGRAM
NO SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14
Millbrook, AL 36054
Tel: 334.285.1273
1200 Providence Park, Suite 200
Birmingham, AL 35242
GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26988 PROFESSIONAL ENGINEER
KENNETH RAY GUNN, JR.
04/24/2026

SHEET TITLE:
FIRE ALARM RISER DIAGRAMS

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111
SHEET NO: E4.5

0 1" 2"

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\elec\E4.5.dwg
- Tuesday, May 5, 2026 5:05:16 PM

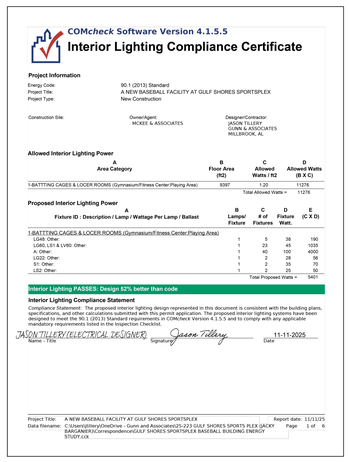
LIGHTING FIXTURE SCHEDULE

TYPE:	MANUFACTURER NUMBER AND EQUALS:	VOLTAGE:	MOUNTING:	LAMP TYPE:	LAMP QUANTITY:	DESCRIPTION:
A	ALBEO NO. ARC-0-14-48-8L-QV-ST-A-Q-B- BY WILLIAMS OR COOPER	MVOLT	SUSPENDED	LED	14,000 LUMENS	SUSPENDED 2 FEET LED HIGH BAY LUMINAIRE. MOUNT AT BOTTOM OF STRUCTURE PROVIDE WITH PROTECTIVE WIRE GUARD. PROVIDE WITH AIRCRAFT CABLE MOUTING AND SAFETY CHAINS.
LG22	HUBBELL NO. SRP22-40VLHE-G-EDU OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	RECESSED	LED	5,000 LUMEN	2'X2' 4000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG48	HUBBELL NO. SRP24-40ML-EDU OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	RECESSED	LED	5,000 LUMEN	2'X4' 5000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LG60	HUBBELL NO. SRP24-40HL-EDU OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	RECESSED	LED	6,000 LUMEN	2'X4' 6000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE.
LV60	COLUMBIA NO. CVTV-L-S40 OR EQUALS BY WILLIAMS OR COOPER	MVOLT	WALL MOUNT	LED	6,000 LUMEN	1'X4' 6000-LUMEN INDUSTRIAL VAPORITTE STRIP FIXTURE. PROVIDE WITH WALL MOUNTED KIT. 0-10 DIMMING.
LS48	HUBBELL NO. SRP24-40ML-EDU-SRPSMK-S4 OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	SURFACE	LED	5,000 LUMEN	2'X4' 6000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE. PROVIDE WITH SURFACE MOUNT KIT
LS60	HUBBELL NO. SRP24-40HL-EDU-SRPSMK-S4 OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	SURFACE	LED	6000 LUMEN	2'X4' 6000-LUMEN FLAT PANEL FIXTURE. 0-10V DIMMING CAPABLE. PROVIDE WITH SURFACE MOUNT KIT
LS1	HUBBELL NO. LCL-4'-4000K-ML-E-U OR EQUALS BY WILLIAMS, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	5,300 LUMEN	SURFACE MOUNTED 4'-0" LED STRIP. CHAIN HANG WHEN SURFACE MOUNT IS NOT POSSIBLE.
LS2	HUBBELL NO. LCL-4-40K-ML-E-MVOLT-CSHC OR PRIOR APPROVED EQUALS BY LITHONIA, LSI, OR COOPER	MVOLT	SURFACE OR CHAIN HUNG	LED	5,300 LUMEN	SURFACE MOUNTED 4'-0" LED STRIP. CHAIN HANG WHEN SURFACE MOUNT IS NOT POSSIBLE.
S1	PRESCOLITE NO. LFS61-6LFSL20L40K8WNCTDL OR EQUALS BY LITHONIA, COOPER, & WILLIAMS	120	RECESSED	LED	2000 LUMEN	6 INCH 2000 LUMEN LED DOWNLIGHT 4000K TEMPERATURE LAMPS AND FEATURE REMOTE PHOSPHOR
WP1	COOPER NO. GWC-5A1-B-4000K-U-T4W-COLOR BY ARCH-10K-EM WHEN INDICATED OR PRIOR APPROVED EQUALS BY PHILLIPS OR CURRENT	MVOLT	WALL	LED	6,000 LUMEN	DARK BRONZE EXTERIOR LED LIGHT. UL LISTED FOR WET LOCATIONS.
EM WALL PACK	COMPASS NO. CU2HLHOSD - WIREGUARDS IN GYM OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	WALL	LED	1,000 LUMEN	1000 LUMEN LED EMERGENCY WALL PACK
EXIT SIGN COMBO "XB"	DUAL-LITE NO. EVCHLUWS2-06L OR PRIOR APPROVED EQUAL BY EMERGI-LITE, MCPHILBEN, OR PRESCOLITE	MVOLT	UNIVERSAL	LED	1,000 LUMEN	THERMOPLASTIC 1000-LUMEN COMBO LED EXIT SIGN EGRESS LIGHT. PROVIDE WITH NUMBER OF FACES AND DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS. COORDINATE COLOR OF SIGNAGE WITH LOCAL REQUIREMENTS. PROVIDE WITH EMERGENCY BATTERY. PROVIDE WIREGUARDS IN GYM.

NOTES:
1. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS OR MAKE CUSTOM COLOR DURING SHOP DRAWING REVIEW. BID ACCORDINGLY.
2. COORDINATE MOUNTING OF ALL LUMINAIRES WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION
3. PROVIDE EMERGENCY BATTERY BALLAST FOR ALL EMERGENCY TYPE FIXTURES CAPABLE OF 90-MINUTES. ALL EMERGENCY LIGHTS IN SAFE AREA SHALL BE CONNECTED TO THE BATTERY INVERTER FOR 180-MINUTES OF RUN TIME.
4. FOR WARRANTY AND LONG TERM SUPPORT FOR OWNER, ALL LIGHTING FIXTURES SHALL BE PURCHASED THROUGH MANUFACTURER REPRESENTATIVES LOCATED IN THE STATE OF ALABAMA. SUBMITTALS RECEIVED THAT DO NOT COMPLY WITH THIS REQUIREMENT WILL BE REJECTED WITHOUT REVIEW. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIABLE FOR ANY DELAYS CAUSED BY NON COMPLIANCE WITH THIS REQUIREMENT.
5. ALL INTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS, UNLESS NOTED OTHERWISE.
6. ALL EXTERIOR LIGHTS SHALL HAVE 4000K TEMPERTURE LAMPS.

LUMINAIRE NOTES:

1. ALL LUMINAIRES AND INSTALLATION SHALL BE IN ACCORDANCE WITH NEC, NFPA AND LOCAL CODES. ALL LUMINAIRES SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THE UL LISTING.
2. LUMINAIRES SHALL BE FURNISHED COMPLETE WITH THE PROPER LAMP BASE OR PIN RECEPTORS, WIRING COMPONENTS, LAMPS, SUPPORTING FRAMES AND DEVICES, ETC., FOR A COMPLETE INSTALLATION.
3. ALL LUMINAIRE DEVICES, COMPONENTS, FITTINGS, SUPPORTS, ETC., SHALL BE COORDINATED TO PROVIDE A COMPLETE UL LISTED INSTALLATION
4. ALL LUMINAIRES BALLAST, DRIVERS, LAMPS, ETC SHALL BE COMPATIABLE WITH THE LIGHTING CONTROL SYSTEM OR DIMMING CONTROL SYSTEM PROVIDED.
5. SECURE EACH LAY–IN LUMINAIRE AT TWO LOCATIONS TO THE CEILING GRID. PROVIDE BOLTS, SCREWS, RIVETS OR APPROVED CLIPS FOR USE WITH THE TYPE CEILING AND LUMINAIRE INSTALLED.
6. ALL LUMINAIRES IN MECHANICAL AND ELECTRICAL ROOMS SHALL BE INSTALLED TO CLEAR ELECTRICAL EQUIPMENT, DUCT, PIPING, ETC., SUSPEND BELOW OBSTRUCTION WHEN CONFLICTS OCCUR.
7. ALL LED LUMINARIES SHALL BE PROVIDED WITH 4000K COLOR TEMPERATURE LAMPS, UNLESS NOTED OTHERWISE.
8. ARCHITECT RESERVES THE RIGHT TO SELECT ALL COLORS FOR LUMINAIRES, POLES, MOUNTING ACCESSORIES, ETC. DURING SHOP DRAWING REVIEW.
9. COORDINATE LUMINAIRE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO INSTALLATION.
10. ALL EXIT SIGNS AND LUMINAIRES DESIGNATED AS EMERGENCY SHALL BE PROVIDED WITH A MINIMUM 1100 LUMEN EMERGENCY BATTERY BALLAST CAPABLE OF 90 MINUTES OF ILLUMINATION. X DESIGNATION MEANS DIFFERENT TYPE BATTERY SEE SCHEDULE.
11. CONTRACTOR SHALL PROVIDE ALL SLOPE ADAPTERS, FLANGE KITS, TRIMS, AND ALL OTHER MOUNTING ACCESSORIES AS NEEDED TO MOUNT EACH LUMINAIRE IN CEILINGS AS SHOWN. COORDINATE WITH ARCHITECTURAL REFLECTED CEILING PLANS.
12. PROVIDE ALL EXIT SIGNS WITH DIRECTIONAL ARROWS AS SHOWN ON DRAWINGS.



COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX
Project Type: New Construction
Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-BATTING CAGES & LOCER ROOMS (Gymnasium/Fitness Center Playing Area)	9397	1.20	11276
		Total Allowed Watts =	11276

Proposed Interior Lighting Power

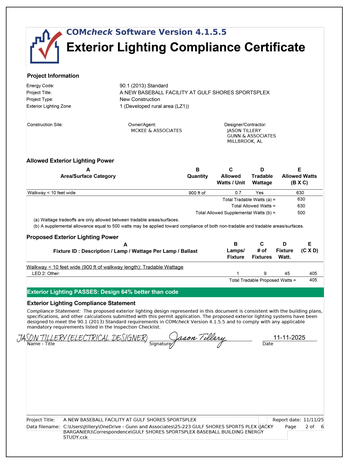
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-BATTING CAGES & LOCER ROOMS (Gymnasium/Fitness Center Playing Area)				
LG48 Other:	1	5	38	190
LG60, LS1 & LV60: Other:	1	23	45	1035
A: Other:	1	40	100	4000
LG22: Other:	1	2	28	56
S1: Other:	1	2	35	70
LS2: Other:	1	2	25	50
			Total Proposed Watts =	5401

Interior Lighting PASSES: Design 52% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JASON TILLERY/ELECTRICAL DESIGNER — Name / Title — Signature — Jason Tillery — Date — 11-11-2025

Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX — Report date: 11/11/25
Data filename: C:\Users\jtillery\OneDrive - Gunn and Associates\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Correspondence\GULF SHORES SPORTSPLEX BASEBALL BUILDING ENERGY STUDY.cck — Page 1 of 6



COMcheck Software Version 4.1.5.5
Exterior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX
Project Type: New Construction
Exterior Lighting Zone: 1 (Developed rural area (LZ1))
Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway < 10 feet wide	900 ft of	0.7	Yes	630
		Total Tradable Watts (a) =		630
		Total Allowed Watts =		630
		Total Allowed Supplemental Watts (b) =		500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

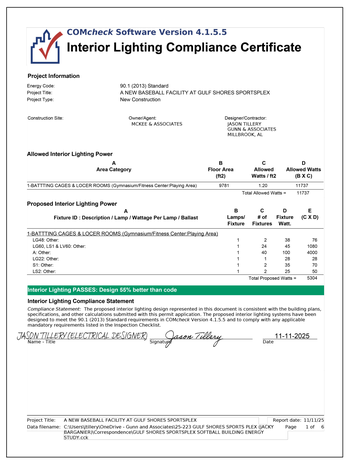
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Walkway < 10 feet wide (900 ft of walkway length): Tradable Wattage				
LED 2: Other:	1	9	45	405
			Total Tradable Proposed Watts =	405

Exterior Lighting PASSES: Design 64% better than code

Exterior Lighting Compliance Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JASON TILLERY/ELECTRICAL DESIGNER — Name / Title — Signature — Jason Tillery — Date — 11-11-2025

Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX — Report date: 11/11/25
Data filename: C:\Users\jtillery\OneDrive - Gunn and Associates\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Correspondence\GULF SHORES SPORTSPLEX BASEBALL BUILDING ENERGY STUDY.cck — Page 2 of 6



COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX
Project Type: New Construction
Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-BATTING CAGES & LOCER ROOMS (Gymnasium/Fitness Center Playing Area)	9761	1.20	11737
		Total Allowed Watts =	11737

Proposed Interior Lighting Power

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-BATTING CAGES & LOCER ROOMS (Gymnasium/Fitness Center Playing Area)				
LG48 Other:	1	2	38	76
LG60, LS1 & LV60: Other:	1	23	45	1080
A: Other:	1	40	100	4000
LG22: Other:	1	1	28	28
S1: Other:	1	2	35	70
LS2: Other:	1	2	25	50
			Total Proposed Watts =	5304

Interior Lighting PASSES: Design 55% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JASON TILLERY/ELECTRICAL DESIGNER — Name / Title — Signature — Jason Tillery — Date — 11-11-2025

Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX — Report date: 11/11/25
Data filename: C:\Users\jtillery\OneDrive - Gunn and Associates\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Correspondence\GULF SHORES SPORTSPLEX SOFTBALL BUILDING ENERGY STUDY.cck — Page 1 of 6



COMcheck Software Version 4.1.5.5
Exterior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX
Project Type: New Construction
Exterior Lighting Zone: 1 (Developed rural area (LZ1))
Construction Site:
Owner/Agent: MCKEE & ASSOCIATES
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway < 10 feet wide	900 ft of	0.7	Yes	630
		Total Tradable Watts (a) =		630
		Total Allowed Watts =		630
		Total Allowed Supplemental Watts (b) =		500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

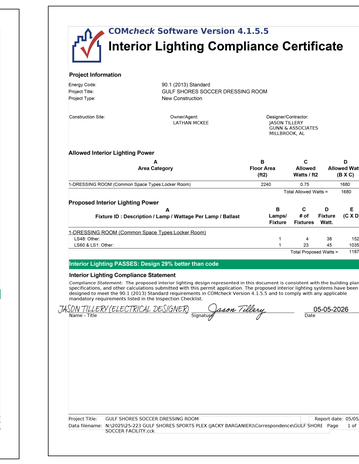
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Walkway < 10 feet wide (900 ft of walkway length): Tradable Wattage				
LED 2: Other:	1	9	45	405
			Total Tradable Proposed Watts =	405

Exterior Lighting PASSES: Design 64% better than code

Exterior Lighting Compliance Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JASON TILLERY/ELECTRICAL DESIGNER — Name / Title — Signature — Jason Tillery — Date — 11-11-2025

Project Title: A NEW BASEBALL FACILITY AT GULF SHORES SPORTSPLEX — Report date: 11/11/25
Data filename: C:\Users\jtillery\OneDrive - Gunn and Associates\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Correspondence\GULF SHORES SPORTSPLEX SOFTBALL BUILDING ENERGY STUDY.cck — Page 2 of 6



COMcheck Software Version 4.1.5.5
Interior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: GULF SHORES SOCCER DRESSING ROOM
Project Type: New Construction
Construction Site:
Owner/Agent: LATHAN MCKEE
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Interior Lighting Power

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B X C)
1-DRESSING ROOM (Common Space Types:Locker Room)	2240	0.75	1680
		Total Allowed Watts =	1680

Proposed Interior Lighting Power

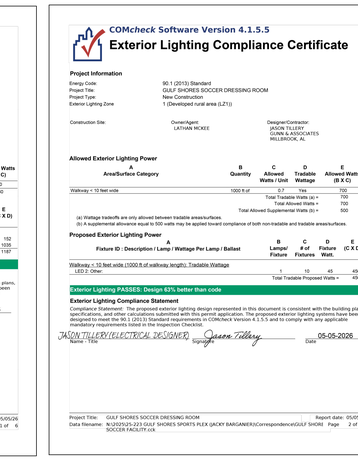
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
1-DRESSING ROOM (Common Space Types:Locker Room)				
LG48 Other:	1	4	38	152
LS60 & LS1: Other:	1	23	45	1035
			Total Proposed Watts =	1187

Interior Lighting PASSES: Design 29% better than code

Interior Lighting Compliance Statement
Compliance Statement: The proposed interior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed interior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

JASON TILLERY/ELECTRICAL DESIGNER — Name / Title — Signature — Jason Tillery — Date — 05-05-2026

Project Title: GULF SHORES SOCCER DRESSING ROOM — Report date: 05/05/26
Data filename: N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Correspondence\GULF SHORES SOCCER FACILITY.cck — Page 1 of 6



COMcheck Software Version 4.1.5.5
Exterior Lighting Compliance Certificate

Project Information
Energy Code: 90.1 (2013) Standard
Project Title: GULF SHORES SOCCER DRESSING ROOM
Project Type: New Construction
Exterior Lighting Zone: 1 (Developed rural area (LZ1))
Construction Site:
Owner/Agent: LATHAN MCKEE
Designer/Contractor: JASON TILLERY, GUNN & ASSOCIATES, MILLBROOK, AL

Allowed Exterior Lighting Power

A Area/Surface Category	B Quantity	C Allowed Watts / Unit	D Tradable Wattage	E Allowed Watts (B X C)
Walkway < 10 feet wide	1000 ft of	0.7	Yes	700
		Total Tradable Watts (a) =		700
		Total Allowed Watts =		700
		Total Allowed Supplemental Watts (b) =		500

(a) Wattage tradeoffs are only allowed between tradable areas/surfaces.
(b) A supplemental allowance equal to 500 watts may be applied toward compliance of both non-tradable and tradable areas/surfaces.

Proposed Exterior Lighting Power

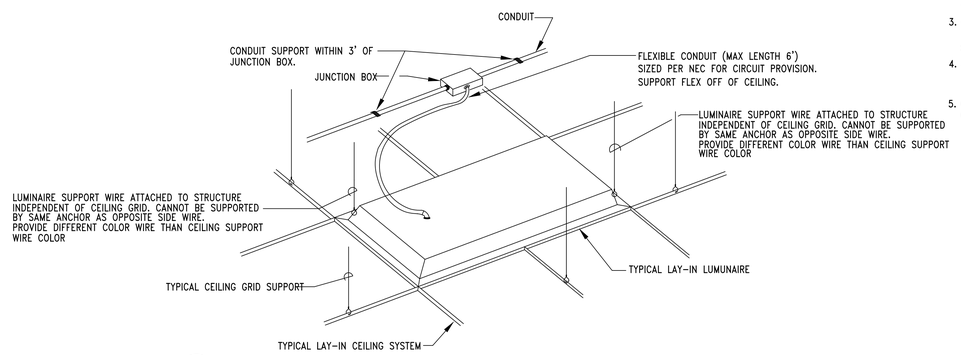
A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Walkway < 10 feet wide (1000 ft of walkway length): Tradable Wattage				
LED 2: Other:	10	45	450	
			Total Tradable Proposed Watts =	450

Exterior Lighting PASSES: Design 63% better than code

Exterior Lighting Compliance Statement
Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 90.1 (2013) Standard requirements in COMcheck Version 4.1.5.5 and to comply with any applicable mandatory requirements listed in the Inspection Checklist.

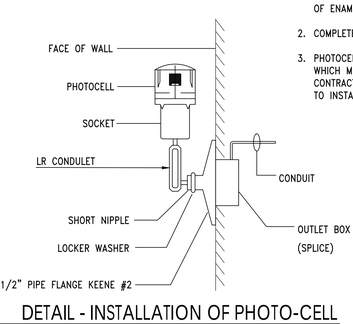
JASON TILLERY/ELECTRICAL DESIGNER — Name / Title — Signature — Jason Tillery — Date — 05-05-2026

Project Title: GULF SHORES SOCCER DRESSING ROOM — Report date: 05/05/26
Data filename: N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Correspondence\GULF SHORES SOCCER FACILITY.cck — Page 2 of 6



1 / E5.1 — DETAIL - TYPICAL LAY-IN LUMINAIRE INSTALLATION
NO SCALE

NOTES:
1. ALL RECESSED LUMINAIRES SHALL BE WIRED FROM A JUNCTION BOX AS SHOWN, INCLUDING LUMINAIRES IN A CONTINUOUS ROW. NO WIRING THRU FIXTURES. NO MORE THAN TWO LUMINAIRES SHALL BE CIRCUITED TO ONE JUNCTION BOX.
2. LUMINAIRE SUPPORT WIRES TO BE A MINUMUM OF #14 GAGE PRE–STRAINED GALVINIZED WIRE ATTACHED AT OPPOSITE CORNERS. LUMINAIRE SHALL BE SUPPORTED TO THE STRUCTURE INDEPENDENT OF THE CEILING GRID.
3. CONDUCTORS IN FLEXIBLE CONDUIT FROM JUNCTION BOX TO LUMINAIRE SHALL CONTAIN AN INSULATED GREEN GROUND WIRE, WITH NEUTRAL AND PHASE CONDUCTORS REQUIRED FOR THE CIRCUITING AND SWITCHING REQUIREMENTS INDICATED.
4. JUNCTION BOXES SHALL BE ACCESSIBLE AND LOCATED WITHIN 1'–6" ABOVE LAY–IN CEILING INSTALLATION. PROVIDE PENDANT ALL–THREAD RODS AND/OR STRUT ASSEMBLIES TO MEET THIS REQUIREMENT WHERE DROP CEILING IS MORE THAN 1'–6" FROM STRUCTURE.
5. CONTRACTOR SHALL INSTALL ALL T–BAR SAFETY CLIPS TO GRID. IF FIXTURE DOES NOT COME WITH GRID SAFETY CLIPS, THEN THE CONTRACTOR SHALL PROVIDE SUPPORT WIRES ON ALL FOUR SIDES.



NOTES
1. PAINT CONDUIT NIPPLE, SOCKET AND PIPE FLANGE WITH TWO COATS OF ENAMEL.
2. COMPLETE ASSEMBLY TO BE UL LISTED FOR WET LOCATIONS.
3. PHOTOCELL TO BE MOUNTED FACING NORTH FREE FROM ALL SHADOWS WHICH MIGHT CAUSE PHOTOCELL TO TURN LIGHTS ON EARLY. CONTRACTOR SHALL COORDINATE PROPER MOUNTING LOCATION PRIOR TO INSTALLATION.

2 / E5.1 — DETAIL - INSTALLATION OF PHOTO-CELL
NO SCALE

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
1200 Providence Park, Suite 200, Birmingham, AL 35242, GA#25-223

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE
GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED — Kenneth Gunn — NO. 26995 — PROFESSIONAL ENGINEER — 04/24/2026 — KENNETH GUNN RAY

SHEET TITLE:
LIGHTING SCHEDULE, DETAILS & NOTES

PROJ. MGR.: J. TILLERY
DRAWN: J. TILLERY
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: E5.1

0 1" 2"

- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawing\elec\E5.1.dwg
- Tuesday, May 5, 2026 5:05:22 PM

PANEL - SESB

TYPE: 400 AMP MCB (SHUNT TRIP) | AIC: 65,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
LIGHTS	2,336			20	1	1	2	125		19,416			TX-RPSB
LIGHTS		2,350		20	1	3	4				23,097		
LIGHTS			3,150	20	1	5	6		3			17,535	
EXTERIOR LIGHTS	660			20	1	7	8	110		23,933			PHP-A1
SPARE				20	1	9	10				23,933		
SPARE				20	1	11	12		3			23,933	
EUH-A1	1,100			20		13	14	30		5,263			IHP-A1
		1,100				15	16				5,263		
			1,100		3	17	18		3			5,263	
HEATER	4,000			20	1	19	20	20		2,216			OHP-A1
HEATER		4,000		20	1	21	22				2,216		
HEATER			4,000	20	1	23	24		3			2,216	
SPARE				70		25	26						BUSSED SPACE
						27	28						BUSSED SPACE
					3	29	30						BUSSED SPACE
BUSSED SPACE						31	32						BUSSED SPACE
BUSSED SPACE						33	34						BUSSED SPACE
BUSSED SPACE						35	36						BUSSED SPACE
SPARE				25	1	37	38						BUSSED SPACE
SPARE				25	1	39	40						BUSSED SPACE
SPARE				25	1	41	42						BUSSED SPACE
SUB TOTAL (VA)	8,096	7,450	8,250							50,828	54,509	48,947	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 58,924 (VA)
TOTAL LOAD PHASE B: 61,959 (VA)
TOTAL LOAD PHASE C: 57,197 (VA)
TOTAL LOAD: 178,080 (VA) = 214 AMPS

NOTES:
1. PROVIDE WITH INTEGRAL TVSS WITH 120,000 AMPS PER MODE PROTECTION.
2. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL.
3. PROVIDE ARC FAULT LABEL PER DETAIL.
4. PROVIDE (GFI) SHUNT TRIP MAIN CIRCUIT BREAKER.

PANEL - SEBB

TYPE: 400 AMP MCB (SHUNT TRIP) | AIC: 65,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE

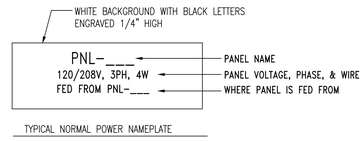
CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
LIGHTS	2,161			20	1	1	2	125		19,816			TX-RPBB
LIGHTS		2,275		20	1	3	4				23,497		
EXTERIOR LIGHTS			660	20	1	5	6		3			17,535	
SPARE				20	1	7	8	110		23,933			PHP-A1
SPARE				20	1	9	10				23,933		
SPARE				20	1	11	12		3			23,933	
EUH-A1	1,100			20		13	14	30		5,263			IHP-A1
		1,100				15	16				5,263		
			1,100		3	17	18		3			5,263	
HEATER	4,000			20	1	19	20	20		2,216			OHP-A1
HEATER		4,000		20	1	21	22				2,216		
HEATER			4,000	20	1	23	24		3			2,216	
SPARE				70		25	26						BUSSED SPACE
						27	28						BUSSED SPACE
					3	29	30						BUSSED SPACE
BUSSED SPACE						31	32						BUSSED SPACE
BUSSED SPACE						33	34						BUSSED SPACE
BUSSED SPACE						35	36						BUSSED SPACE
SPARE				25	1	37	38						BUSSED SPACE
SPARE				25	1	39	40						BUSSED SPACE
SPARE				25	1	41	42						BUSSED SPACE
SUB TOTAL (VA)	7,261	7,375	5,760							51,228	54,909	48,947	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 58,489 (VA)
TOTAL LOAD PHASE B: 62,284 (VA)
TOTAL LOAD PHASE C: 54,707 (VA)
TOTAL LOAD: 175,480 (VA) = 211 AMPS

NOTES:
1. PROVIDE WITH INTEGRAL TVSS WITH 120,000 AMPS PER MODE PROTECTION.
2. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL.
3. PROVIDE ARC FAULT LABEL PER DETAIL.
4. PROVIDE (GFI) SHUNT TRIP MAIN CIRCUIT BREAKER.

PANELBOARD NOTES:

1. PANELBOARDS SHALL BE INSTALLED AND ALL CLEARANCES MAINTAINED IN ACCORDANCE WITH THE NEC.
2. ALL PANELBOARDS SHALL BE UL LISTED AND INSTALLED IN ACCORDANCE WITH THAT LISTING.
3. PANELBOARDS SHALL BE FURNISHED COMPLETE WITH THE PROPERLY SIZED ENCLOSURE, INTERNAL HARDWARE, COMPONENTS, SUPPORTING STRUCTURES, ETC., FOR A COMPLETE INSTALLATION.
4. FURNISH EACH PANELBOARD WITH A GROUND BAR BONDED TO THE PANEL ENCLOSURE.
5. THE TERMINATION POINT OF THE FEEDER SERVING EACH ASSEMBLY SHALL BE AT THE NEAREST POINT OF FEEDER ENTRY INTO THE PANEL, SO AS TO MINIMIZE CONDUCTOR FILL IN THE ENCLOSURE. COORDINATE TOP/BOTTOM FEED PANELBOARD PROVISIONS WITH EACH FEEDER INSTALLATION.
6. PROVIDE THE PROPER SIZE AND QUANTITY OF CONDUCTOR TERMINATION POINTS OR LUGS (MULTIPLE LUGS WHEN PARALLEL FEEDERS ARE USED) ON BUSES AND CIRCUIT BREAKERS FOR THE RESPECTIVE SIZE AND NUMBER OF CONDUCTORS INDICATED.
7. ALL FLUSH-MOUNTED PANELBOARDS SHALL BE PROVIDED WITH AT LEAST SIX (6) 3/4" SPARE CONDUITS STUBBED TO ABOVE THE NEAREST ACCESSIBLE CEILING.
8. PANELBOARDS SHALL BE FULLY RATED. SERIES RATED PANELBOARDS WILL NOT BE ACCEPTED.
9. ALL PANELBOARDS SHALL BE CLEARLY MARKED TO COMPLY WITH NEC ARTICLE 110.16 WITH REGARD TO POTENTIAL HAZARDS OF ARC FLASH.
10. ALL PANELBOARDS SHALL BE "DOOR-IN-DOOR" OR "HINGED-FRONT-TRIM" CONSTRUCTION.
11. COMPLY WITH NEC ARTICLE 408.4. PROVIDE A TYPED CIRCUIT DIRECTORY THAT INDICATES WHAT EACH CIRCUIT IS SERVING. FOR LIGHTING AND RECEPTACLE CIRCUITS, INCLUDE THE ROOM NUMBER IN THE CIRCUIT DESCRIPTION ON THE DIRECTORY.
12. EACH PANELBOARD SHALL HAVE A NAMEPLATE AS SHOWN IN DETAIL 1 ON THIS SHEET. ENGINEER WILL NOT PROVIDE FINAL ACCEPTANCE UNTIL THESE NAMEPLATES ARE PROVIDED.
13. MANUFACTURER THAT WILL BE PROVIDING PANELBOARDS ON THIS PROJECT SHALL BE RESPONSIBLE FOR PERFORMING A SHORT CIRCUIT ANALYSIS AND TIME-CURRENT COORDINATION (TCC) STUDY, WHICH DEMONSTRATES THAT THE UPSTREAM OVERCURRENT PROTECTIVE DEVICE NEAREST TO THE FAULT LOCATION WILL OPERATE BEFORE OVERCURRENT PROTECTIVE DEVICES WHICH ARE FURTHER UPSTREAM (I.E. SELECTIVE COORDINATION). INCLUDE COORDINATION STUDY IN THE SHOP DRAWING PACKAGE FOR THE PANELBOARDS FOR REVIEW BY THE ENGINEER OF RECORD. AIC RATINGS MAY BE LOWERED BASED ON STUDY.



TYPICAL NORMAL POWER NAMEPLATE

1 / E4.2 DETAIL - TYPICAL PANELBOARD NAMEPLATE
NO SCALE



NOTES:
1. PROVIDE SELF-ADHESIVE VINYL LABEL TO AFFIX TO ELECTRICAL EQUIPMENT TO WARN OF ARC FLASH HAZARDS.
2. THE LABEL FORMAT AND TEXT SHALL BE IN ACCORDANCE WITH THE FIGURE.
3. THE LABEL SHALL BE LOCATED ON THE EQUIPMENT TO BE CLEARLY VISIBLE TO QUALIFIED PERSONS BEFORE EXAMINATION, ADJUSTMENT, SERVICING, OR MAINTENANCE OF THE EQUIPMENT.
4. THE SIZE OF THE LABEL SHALL BE:

EQUIPMENT TYPE	HEIGHT	WIDTH
INDOOR	4"	6"
OUTDOOR	4"	6"

2 / E4.2 ARC FLASH WARNING LABELS
NO SCALE

PANEL - RPSB

TYPE: 250 AMP MCB | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
WASHER	1,200			20	1	1	2	20	1	1,200			RECEPTACLE
DRYER		2,880		30		3	4	20	1		1,200		RECEPTACLE
RECEPTACLE			2,880		2	5	6	20	1			1,200	RECEPTACLE
RECEPTACLE	1,200			20	1	7	8	20	1	1,200			RECEPTACLE
RECEPTACLE		1,200		20	1	9	10	20	1		1,200		RECEPTACLE
RECEPTACLE			1,200	20	1	11	12	20	1			1,200	ICE MACHINE
RECEPTACLE	1,200			20	1	13	14	20	1	1,200			EWC
WH-1		2,250		30		15	16	20	1		1,200		RECEPTACLE
			2,250		2	17	18	20	1			1,200	RECEPTACLE
CP-1 & TC-1	600			20	1	19	20	20	1	1,200			RECEPTACLE
TP-1		600		20	1	21	22	20	1		1,200		RECEPTACLE
EF-A1, B1, C1, D1			486	20	1	23	24	20	1			1,200	RECEPTACLE
EF-E1	260			20	1	25	26	20	1	600			RECEPTACLE
OCCHP-A1		1,200		30		27	28	20	1		600		CON-1
			1,200		2	29	30	20	1			200	TRAP PRIMER
IHP-B1	6,552			90		31	32	20	1	800			CORD REEL
		6,552			2	33	34	20	1		800		CORD REEL
OHP-B1			1,404	30		35	36	20	1			800	CORD REEL
	1,404				2	37	38	20	1	800			RECEPTACLE
ODHP-A1		915		30		39	40	20	1		800		RECEPTACLE
			915		2	41	42	20	1			800	RECEPTACLE
BUSSED SPACE						43	44	20	1				SPARE
BUSSED SPACE						45	46	20	1				SPARE
BUSSED SPACE						47	48	20	1				SPARE
BUSSED SPACE						49	50	20	1				SPARE
BUSSED SPACE						51	52	20	1				SPARE
BUSSED SPACE						53	54	20	1				SPARE
BUSSED SPACE						55	56	20	1				SPARE
BUSSED SPACE						57	58	20	1				SPARE
BUSSED SPACE						59	60	20	1				SPARE
BUSSED SPACE						61	62	20	1				SPARE
BUSSED SPACE						63	64	20	1				SPARE
BUSSED SPACE						65	66	20	1				SPARE
BUSSED SPACE						67	68	20	1				SPARE
BUSSED SPACE						69	70	20	1				SPARE
BUSSED SPACE						71	72	20	1				SPARE
BUSSED SPACE						73	74	20	1				SPARE
BUSSED SPACE						75	76	20	1				SPARE
BUSSED SPACE						77	78	20	1				SPARE
BUSSED SPACE						79	80	20	1				SPARE
BUSSED SPACE						81	82	20	1		500		FACP (NOTE 3)
BUSSED SPACE						83	84	20	1			600	TBB
SUB TOTAL (VA)	12,416	15,597	10,335							7,000	7,500	7,200	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 19,416 (VA)
TOTAL LOAD PHASE B: 23,097 (VA)
TOTAL LOAD PHASE C: 17,535 (VA)
TOTAL LOAD: 60,048 (VA) = 167 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE RED LOCK HANDLE CIRCUIT BREAKER.

PANEL - RPBB

TYPE: 250 AMP MCB | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
WASHER	1,200			20	1	1	2	20	1	1,200			RECEPTACLE
DRYER		2,880		30		3	4	20	1		1,200		RECEPTACLE
RECEPTACLE			2,880		2	5	6	20	1			1,200	RECEPTACLE
RECEPTACLE	1,200			20	1	7	8	20	1	1,200			RECEPTACLE
RECEPTACLE		1,200		20	1	9	10	20	1		1,200		RECEPTACLE
RECEPTACLE			1,200	20	1	11	12	20	1			1,200	ICE MACHINE
RECEPTACLE	1,200			20	1	13	14	20	1	1,200			EWC
WH-1		2,250		30		15	16	20	1		1,200		RECEPTACLE
			2,250		2	17	18	20	1			1,200	RECEPTACLE
CP-1 & TC-1	600			20	1	19	20	20	1	1,200			RECEPTACLE
TP-1		600		20	1	21	22	20	1		1,200		RECEPTACLE
EF-A1, B1, C1, D1			486	20	1	23	24	20	1			1,200	RECEPTACLE
EF-E1	260			20	1	25	26	20	1	600			RECEPTACLE
OCCHP-A1		1,200		30		27	28	20	1		600		CON-1
			1,200		2	29	30	20	1			200	TRAP PRIMER
IHP-B1	6,552			90		31	32	20	1	800			CORD REEL
		6,552			2	33	34	20	1		800		CORD REEL
OHP-B1			1,404	30		35	36	20	1			800	CORD REEL
	1,404				2	37	38	20	1	800			RECEPTACLE
ODHP-A1		915		30		39	40	20	1		800		RECEPTACLE
			915		2	41	42	20	1			800	RECEPTACLE
BUSSED SPACE						43	44	20	1	400			RECEPTACLE
BUSSED SPACE						45	46	20	1		400		RECEPTACLE
BUSSED SPACE						47	48	20	1				SPARE
BUSSED SPACE						49	50	20	1				SPARE
BUSSED SPACE						51	52	20	1				SPARE
BUSSED SPACE						53	54	20	1				SPARE
BUSSED SPACE						55	56	20	1				SPARE
BUSSED SPACE						57	58	20	1				SPARE
BUSSED SPACE						59	60	20	1				SPARE
BUSSED SPACE						61	62	20	1				SPARE
BUSSED SPACE						63	64	20	1				SPARE
BUSSED SPACE						65	66	20	1				SPARE
BUSSED SPACE						67	68	20	1				SPARE
BUSSED SPACE						69	70	20	1				SPARE
BUSSED SPACE						71	72	20	1				SPARE
BUSSED SPACE						73	74	20	1				SPARE
BUSSED SPACE						75	76	20	1				SPARE
BUSSED SPACE						77	78	20	1				SPARE
BUSSED SPACE						79	80	20	1				SPARE
BUSSED SPACE						81	82	20	1		500		FACP (NOTE 3)
BUSSED SPACE						83	84	20	1			600	TBB
SUB TOTAL (VA)	12,416	15,597	10,335							7,400	7,900	7,200	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 19,816 (VA)
TOTAL LOAD PHASE B: 23,497 (VA)
TOTAL LOAD PHASE C: 17,535 (VA)
TOTAL LOAD: 60,848 (VA) = 169 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.

PANEL - SESVD

TYPE: 60 AMP MCB | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
LIGHTS	240			20	1	1	2	20	1	1,200			RECEPTACLE
SPARE				20	1	3	4						BUSSED SPACE
SPARE				20	1	5	6						BUSSED SPACE
SPARE				20	1	7	8						BUSSED SPACE
SPARE				20	1	9	10						BUSSED SPACE
SPARE				20	1	11	12						BUSSED SPACE
SUB TOTAL (VA)	240	0	0							1,200	0	0	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 1,440 (VA)
TOTAL LOAD PHASE B: 0 (VA)
TOTAL LOAD PHASE C: 0 (VA)
TOTAL LOAD: 1,440 (VA) = 4 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE NEMA 3R CONSTRUCTION.

PANEL - SEBVD

TYPE: 60 AMP MCB | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE A	(VA) PER PHASE B	(VA) PER PHASE C	CIRCUIT DIRECTORY
LIGHTS	240			20	1	1	2	20	1	1,200			RECEPTACLE
SPARE				20	1	3	4						BUSSED SPACE
SPARE				20	1	5	6						BUSSED SPACE
SPARE				20	1	7	8						BUSSED SPACE
SPARE				20	1	9	10						BUSSED SPACE
SPARE				20	1	11	12						BUSSED SPACE
SUB TOTAL (VA)	240	0	0							1,200	0	0	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 1,440 (VA)
TOTAL LOAD PHASE B: 0 (VA)
TOTAL LOAD PHASE C: 0 (VA)
TOTAL LOAD: 1,440 (VA) = 4 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE NEMA 3R CONSTRUCTION.

POWER EQUIPMENT MANUFACTURES BIDDING THIS PROJECT SHALL INCLUDE IN THEIR BASE BID PRICE AN AND ALL EXPEDITED CHARGES AS REQUIRED TO SHIP SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND DISCONNECTS TO THE JOB SITE S REQUIRED TO MEET PROJECT SCHEDULE. CONTRACTOR AND SUPPLIER SHALL SET THIS TIME PRIOR TO BID ACCORDING PUBLISHED SCHEDULE IN BID DOCUMENTS.

LATHAN ▪ McKEE ARCHITECTS

NEW BASEBALL / SOFTBALL FIELDHOUSES AND SOCCER DRESSING ROOMS AT THE GULF SHORES SPORTSPLEX
FOR THE GULF SHORES CITY SCHOOLS
GULF SHORES, ALABAMA

ALABAMA REGISTERED — Kenneth Ray Gunn Jr. — NO. 26998 PROFESSIONAL ENGINEER — 04/24/2026

SHEET TITLE:
PANELBOARD SCHEDULE, DETAILS & NOTES

PROJ. MGR.: J. TILLERY
DRAWN: J. TILLERY
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO: E5.2

Gunn & Associates, P.C.
Consulting Engineers
3102 Highway 14, Millbrook, AL 36054, Tel: 334.285.1273
1200 Providence Park, Suite 200, Birmingham, AL 35242
GA#25-223

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- N:\2025\25-223 GULF SHORES SPORTS PLEX (JACKY BARGANIER)\Drawings\sheets\E5.2.dwg
- Tuesday, May 5, 2026 5:05:35 PM

PANEL - SES

TYPE: 250 AMP MCB | AIC: 65,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 277/480 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C							PHASE A	PHASE B	PHASE C	
TX-C	21,528			125		1	2	125		20,000			EXISTING TRANSFORMER
		20,184				3	4				20,000		
			19,884		3	5	6		3			20,000	
SPARE				100		7	8						BUSSED SPACE
						9	10						BUSSED SPACE
					3	11	12						BUSSED SPACE
BUSSED SPACE						13	14						BUSSED SPACE
BUSSED SPACE						15	16						BUSSED SPACE
BUSSED SPACE						17	18						BUSSED SPACE
BUSSED SPACE						19	20						BUSSED SPACE
BUSSED SPACE						21	22						BUSSED SPACE
BUSSED SPACE						23	24						BUSSED SPACE
BUSSED SPACE						25	26						BUSSED SPACE
BUSSED SPACE						27	28						BUSSED SPACE
BUSSED SPACE						29	30						BUSSED SPACE
SUB TOTAL (VA)	21,528	20,184	19,884							20,000	20,000	20,000	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 41,528 (VA)
TOTAL LOAD PHASE B: 40,184 (VA)
TOTAL LOAD PHASE C: 39,884 (VA)
TOTAL LOAD: 121,596 (VA) = 146 AMPS

NOTES:
1. PROVIDE WITH INTEGRAL TVSS WITH 120,000 AMPS PER MODE PROTECTION.
2. PROVIDE PANEL WITH NAME PLATE INDICATING AIC RATING. SEE DETAIL.
3. PROVIDE ARC FAULT LABEL PER DETAIL.
4. PROVIDE NEMA 3R CONSTRUCTION.

PANEL - RPS

TYPE: 250 AMP MCB | AIC: 22,000 AMPERES | MOUNTED: SURFACE | VOLTAGE: 120/208 VOLTS, 3 PHASE, 4 WIRE

CIRCUIT DIRECTORY	(VA) PER PHASE			AMP	POLE	CIRCUIT NUMBER		AMP	POLE	(VA) PER PHASE			CIRCUIT DIRECTORY
	PHASE A	PHASE B	PHASE C							PHASE A	PHASE B	PHASE C	
OHP-C1	1,920			30		1	2	20	1	1,000			RECEPTACLE
		1,920				3	4	20	1		1,000		RECEPTACLE
			1,920		3	5	6	20	1			1,200	RECEPTACLE
OHP-C2	1,920			30		7	8	20	1	1,200			RECEPTACLE
		1,920				9	10	30			1,500		DRYER
			1,920		3	11	12		2			1,500	
IHP-C1	4,200			60		13	14	30		1,500			DRYER
		4,200				15	16		2		1,500		
			4,200		3	17	18	20	1			1,200	RECEPTACLE
IHP-C2	4,200			60		19	20	20	1	1,200			RECEPTACLE
		4,200				21	22	20	1		1,200		RECEPTACLE
			4,200		3	23	24	20	1			1,200	RECEPTACLE
OCCHP-A1	1,144			30		25	26	20	1	1,200			RECEPTACLE
		1,144			2	27	28	20	1				SPARE
OCCHP-A2			1,144	30		29	30	20	1				SPARE
	1,144				2	31	32	20	1				SPARE
TRAP PRIMER		200		20	1	33	34	20	1				SPARE
LIGHTING			900	20	1	35	36	20	1				SPARE
LIGHTING	900			20	1	37	38	100					SPARE
EXTERIOR LIGHTING		1,400		20	1	39	40						
FACP (NOTE 3)			500	20	1	41	42		3				
SUB TOTAL (VA)	15,428	14,984	14,784							6,100	5,200	5,100	SUB TOTAL (VA)

TOTAL LOAD PHASE A: 21,528 (VA)
TOTAL LOAD PHASE B: 20,184 (VA)
TOTAL LOAD PHASE C: 19,884 (VA)
TOTAL LOAD: 61,596 (VA) = 171 AMPS

NOTES:
1. PANELBOARD TO BE BOLT-ON TYPE WITH DOOR-IN-DOOR CONSTRUCTION.
2. PROVIDE ARC FAULT LABEL PER DETAIL.
3. PROVIDE RED LOCK HANDLE CIRCUIT BREAKER.

POWER EQUIPMENT MANUFACTURES BIDDING THIS PROJECT SHALL INCLUDE IN THEIR BASE BID PRICE AN AND ALL EXPEDITED CHARGES AS REQUIRED TO SHIP SWITCHBOARDS, PANELBOARDS, TRANSFORMERS, AND DISCONNECTS TO THE JOB SITE S REQUIRED TO MEET PROJECT SCHEDULE. CONTRACTOR AND SUPPLIER SHALL SET THIS TIME PRIOR TO BID ACCORDING PUBLISHED SCHEDULE IN BID DOCUMENTS.

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AT THE
GULF SHORES SPORTSPLEX
FOR THE
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GULF SHORES, ALABAMA

ALABAMA REGISTERED
KENNETH RAY GUNN JR.
PROFESSIONAL ENGINEER
NO. 26985
04/24/2026

SHEET TITLE:
PANELBOARD SCHEDULE, DETAILS & NOTES

PROJ. MGR.: J. TILLERY
DRAWN: J. TILLERY
DATE: 04.24.2026
REVISIONS

JOB NO. 25-111
SHEET NO:
E5.3

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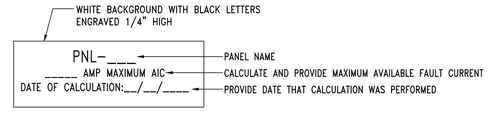
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POWER RISER DIAGRAM NOTES:

1. INSTALLATION AND CONNECTION OF ALL DEVICES SHALL BE IN ACCORDANCE WITH NEC, MANUFACTURER'S RECOMMENDATIONS, AND STATE AND LOCAL CODES.
2. CONTRACTOR IS RESPONSIBLE FOR THE CONNECTING, INSTALLATION, AND MARKING OF ALL POWER FEEDER CONDUCTORS FOR THE PROPER PHASE SEQUENCE AND LOADING . CONTRACTOR SHALL TEST EACH FEEDER AND EQUIPMENT FEEDERS WITH A PHASE METER PRIOR TO CONNECTING LOADS.
3. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND VERIFYING WITH ALL DIVISIONS THE ACTUAL NAMEPLATE DATA OF ALL EQUIPMENT AND DEVICES SUPPLIED ON THIS PROJECT PRIOR TO BID. CONTRACTOR SHALL THEN PROVIDE THE PROPERLY SIZED OVERCURRENT DEVICES (CIRCUIT BREAKERS, CONDUCTORS, DISCONNECTS, FUSES, ETC.) TO PROPERLY PROTECT THE EQUIPMENT PER THE NEC. ENGINEER'S DESIGN BASED ON DATA GIVEN TO HIM BY DESIGNERS OF OTHER DIVISIONS, ACTUAL NAMEPLATE DATA COULD DIFFER.
4. SEAL ALL CONDUITS FROM THE EXTERIOR WITH A SEALING COMPOUND, ONCE ALL CABLING HAS BEEN INSTALLED.
5. PROVIDE 4" CONCRETE HOUSEKEEPING PAD WITH 1" CHAMFER FOR ALL FLOOR MOUNTED TRANSFORMERS AND SWITCHBOARDS.
6. COORDINATE WITH GROUNDING DETAILS ON SHEET E6.2 FOR ALL THE DIFFERENT TYPE GROUNDING REQUIREMENTS.
7. ALL UNDERGROUND SECONDARY FEEDERS SHALL BE A MINIMUM OF 36" BELOW GRADE TO THE TOP OF THE DUCT BANK.
8. ALL UNDERGROUND PRIMARY FEEDERS SHALL BE A MINIMUM OF 48" BELOW GRADE TO THE TOP OF THE CONDUIT.
9. CONTRACTOR SHALL PROVIDE A FULL SIZE COPY OF THE AS-BUILT POWER RISER DIAGRAM FRAMED BEHIND PLEXIGLASS SCREWED TO THE WALL NEAR SWITCHBOARD.

NOTES:

1. CONTRACTOR SHALL CALCULATE AND PROVIDE NAMEPLATE ON THE SERVICE ENTRANCE EQUIPMENT THAT INDICATES THE MAXIMUM AVAILABLE FAULT CURRENT AND THE DATE THE CALCUALTION WAS PERFORMED. SEE NAMEPLATE REQUIREMENTS BELOW.



TYPICAL SERVICE ENTRANCE FAULT CURRENT NAMEPLATE

2 E6.1 DETAIL - SERVICE ENTRANCE FAULT CURRENT NAMEPLATE
NO SCALE

KEYED NOTES:

1. PROVIDE CONCRETE HOUSEKEEPING PAD FOR DRY TYPE TRANSFORMER PER DETAIL (3) THIS SHEET.
2. INSTALL CONCRETE PAD FOR PADMOUNT TRANSFORMER AS DIRECTED BY UTILITY COMPANY TO UTILITY COMPANY SPECIFICATIONS.
3. INSTALL UNDERGROUND PRIMARY CONDUITS AS REQUIRED BY LOCAL UTILITY COMPANY. COORDINATE WITH UTILITY COMPANY PRIOR TO BIDS AND ADJUST THE ROUTING, SIZE, AND QUANTITY OF CONDUITS REQUIRED BY THE LOCAL UTILITY COMPANY.
4. INSTALL A MINIMUM 1-1/4" CONDUIT FROM THE SECONDARY CONNECTION COMPARTMENT OF THE PADMOUNT TRANSFORMER TO THE METER BASE. VERIFY THE EXACT CONDUIT SIZE, TERMINATION POINTS, AND ROUTING WITH APCO PRIOR TO ROUGH-IN. MOUNT METER BESIDE TRANSFORMER. PROVIDE UNISTRUT SET IN CONCRETE FOR MOUNTING OF METER. COORDINATE WITH BALDWIN EMC AND PROVIDE METERING AS DIRECTED BY BALDWIN EMC. PROVIDE FEED THRU METERING IF DIRECTED BY BALDWIN EMC.
5. SEE PANELBOARD SCHEDULE FOR CIRCUIT BREAKER PROVISIONS.

DRY TYPE TRANSFORMER SCHEDULE

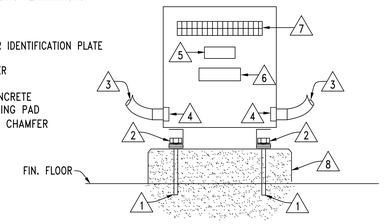
MARK	KVA	VOLTAGE		°C RISE	K FACTOR	NOTES
		PRIMARY	SECONDARY			
TX-A	75	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	1	(1)
TX-B	75	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	1	(1)
TX-C	75	480 V. DELTA 3 PH., 3 W.	208Y/120 V. 3 PH., 4 W.	150	1	(1)

DETAIL KEYED NOTES

1. FLOOR ANCHOR SYSTEM
2. VIBRATION ISOLATORS - TYP. FOR FOUR
3. FLEXIBLE CONNECTION
4. GROUND BUSSING TERMINATIONS
5. NAMEPLATE
6. TRANSFORMER IDENTIFICATION PLATE
7. VENTED COVER
8. 4" HIGH CONCRETE HOUSE-KEEPING PAD WITH 45° 1" CHAMFER

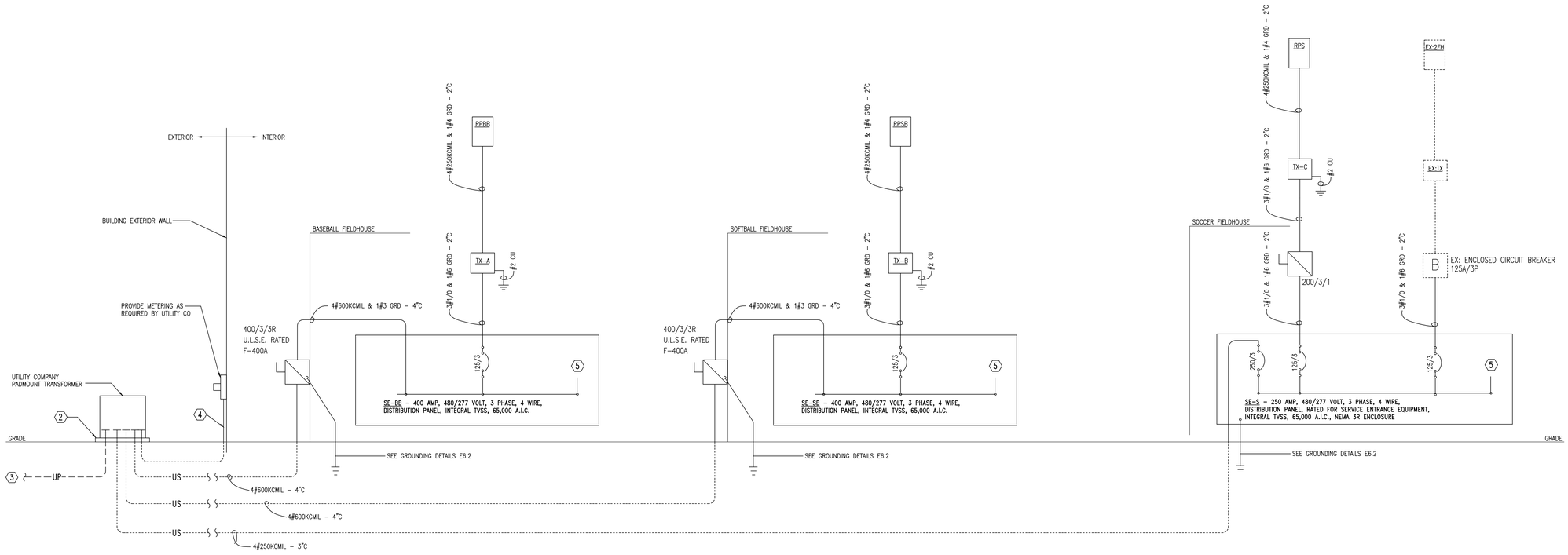
INSTALLATION NOTES:

1. SIZE ALL SUPPORTS, ANCHOR SYSTEMS, BOLTS, ETC., AS REQUIRED FOR A SECURE INSTALLATION IN ACCORDANCE WITH THE SPECIFICATIONS.



FLOOR MOUNTED

3 E6.1 DETAIL-TYPICAL INDOOR INSTALLATION OF DRY TYPE TRANSFORMERS
NO SCALE



1 E6.1 POWER RISER DIAGRAM
NO SCALE

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GULF SHORES, ALABAMA

ALABAMA REGISTERED KENNETH RAY GUNN JR. NO. 26998 PROFESSIONAL ENGINEER 04/24/2026

SHEET TITLE:
POWER RISER DIAGRAM, DETAILS & NOTES

PROJ. MGR.:	J. TILLERY
DRAWN:	J. TILLERY
DATE:	04.24.2026
REVISIONS	

JOB NO. 25-111

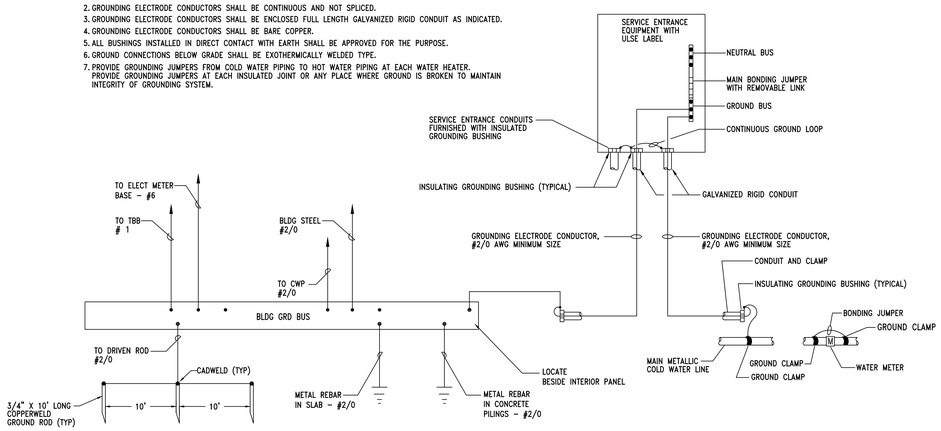
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NOTES

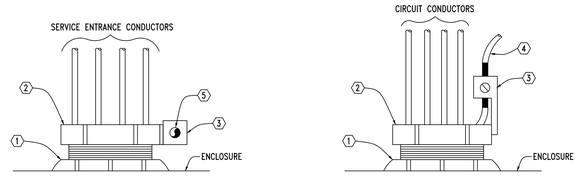
1. GROUNDING ELECTRODE SYSTEM SHALL BE IN ACCORDANCE WITH NEC ARTICLE 250
2. GROUNDING ELECTRODE CONDUCTORS SHALL BE CONTINUOUS AND NOT SPLICED.
3. GROUNDING ELECTRODE CONDUCTORS SHALL BE ENCLOSED FULL LENGTH GALVANIZED RIGID CONDUIT AS INDICATED.
4. GROUNDING ELECTRODE CONDUCTORS SHALL BE BARE COPPER.
5. ALL BUSHINGS INSTALLED IN DIRECT CONTACT WITH EARTH SHALL BE APPROVED FOR THE PURPOSE.
6. GROUND CONNECTIONS BELOW GRADE SHALL BE EXOTHERMICALLY WELDED TYPE.
7. PROVIDE GROUNDING JUMPERS FROM COLD WATER PIPING TO HOT WATER PIPING AT EACH WATER HEATER. PROVIDE GROUNDING JUMPERS AT EACH INSULATED JOINT OR ANY PLACE WHERE GROUND IS BROKEN TO MAINTAIN INTEGRITY OF GROUNDING SYSTEM.



2 E6.2 DETAIL - SERVICE ENTRANCE GROUNDING INSTALLATION
NO SCALE

DETAIL NOTES

1. LOCK-NUT ASSEMBLIES
2. METAL GROUNDING BUSHING
3. COPPER GROUND LUG
4. COPPER GROUND CONDUCTOR. REMOVE INSULATION AT BUSHING, RUN THROUGH BUSHING LUG AND BOND TO RACEWAY SYSTEM. DO NOT SPLICE OR TAP.
5. CONTINOUS COPPER GROUND CONDUCTOR FROM GROUND BUS THROUGH EACH BUSHING. DO NOT SPLICE OR TAP.



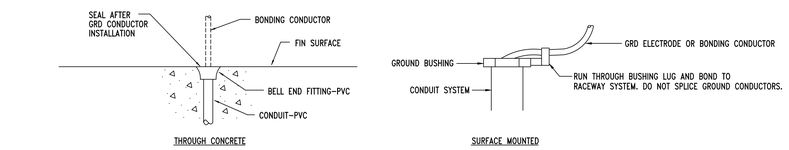
FOR SERVICE ENTRANCE CONDUITS

FOR FEEDER AND/OR BRANCH CIRCUITS

3 E6.2 DETAIL - TYPICAL GROUND BUSHING INSTALLATION
NO SCALE

NOTES

1. ALL GROUND ELECTRODE CONDUCTORS, SYSTEM BONDING CONDUCTORS, ETC., RUN SEPARATELY SHALL BE PROTECTED BY A CONDUIT SYSTEM.
2. ALL SYSTEM GROUNDING OR BONDING CONDUCTORS SHALL GENERALLY BE ENCLOSED BY A GRC CONDUIT. PROVIDE GROUND BUSHINGS ON EACH END AND BOND CONDUCTORS TO RACEWAY SYSTEM.
3. SYSTEM BONDING CONDUCTORS THAT PENETRATE CONCRETE SLABS SHALL BE ENCLOSED BY A PVC CONDUIT. PROVIDE BELL END FITTING ON EACH END AND SEAL. THOSE TERMINATING AT A STUB-UP SHALL BE FLUSH WITH FLOOR.



4 E6.2 DETAIL - TYPICAL GROUND CONDUCTOR IN CONDUIT SYSTEM
NO SCALE

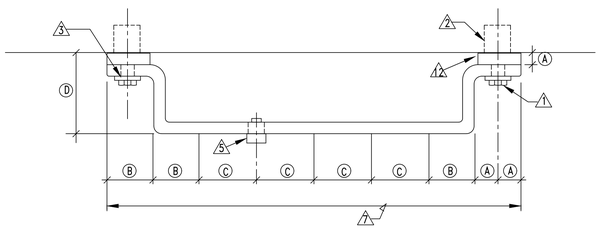
GROUNDING AND BONDING INSTALLATION NOTES

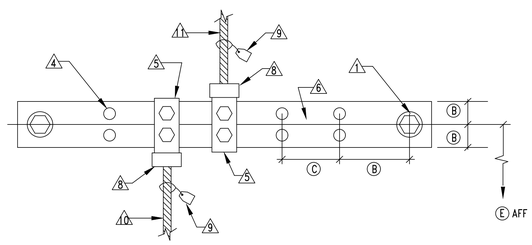
1. ALL GROUNDING AND BONDING SHALL BE IN ACCORDANCE WITH THE NEC, NESC, IEEE, ANSI AND UL STANDARDS.
2. ALL DIMENSIONING INDICATED IN THESE DOCUMENTS ARE FOR REFERENCE AND COORDINATION PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL DIMENSIONS IN THE FIELD.
3. THE PURPOSE OF THE GROUNDING AND BONDING SYSTEM IS TO ESTABLISH ALL EQUIPMENT ENCLOSURES, NON-CURRENT CARRYING METALLIC PORTIONS OF THE ELECTRICAL DISTRIBUTION SYSTEM, METAL PIPING, METAL BUILDING FRAME, ETC., AT A ZERO POTENTIAL RELATIVE TO THE EARTH GROUND AND PROVIDE FOR A SAFE, LOW IMPEDANCE RETURN PATH FOR GROUND-FAULT CURRENT. THIS SHALL BE ACCOMPLISHED IN THE FOLLOWING MANNER:
   a. PROVIDE A SOLIDLY GROUNDED SECONDARY SYSTEM.
   b. INTER-CONNECT ALL GROUND BUSES AND POINTS IN THE SYSTEM WITH A COPPER GRD CONDUCTOR (BUS) SYSTEM.
   c. ALL METALLIC RACEWAYS SHALL BE UL APPROVED AND MADE-UP TIGHT AT ALL COUPLINGS AND TERMINATIONS.
   d. ALL GROUND CONDUCTORS IN CIRCUITS SHALL BE CONTAINED WITHIN THE SAME RACEWAY AS CURRENT CARRYING CONDUCTORS.
   e. ALL SPLICES AND TERMINATIONS SHALL BE MADE TIGHT AND AS SUCH TO PROVIDE LOW IMPEDANCE AND SHALL HAVE THE SAME SHORT-TIME CURRENT-CARRYING CAPABILITY AS THE CONDUCTOR IT IS CONNECTED TO.
   f. ALL GRD ELECTRODES OR BONDING CONDUCTORS INSTALLED ALONE WITHIN A RACEWAY SHALL UTILIZE GRC WITH GROUNDING BUSHINGS AT EACH END. THIS GROUND CONDUCTOR SHALL LOOP THROUGH THE BUSHING LUG PRIOR TO TERMINATION.

DIMENSION BLOCK		
REF	ENGLISH	SI
A	1"	25.4mm
B	2"	50.8mm
C	2 1/2"	63.5mm
D	3"	76.2mm
E	1'-6"	.4572m

GROUND BUS NOTES

1. GROUND BUS INSTALLATION SHALL BE IN ACCORDANCE WITH THIS DETAIL AND AS INDICATED ON THE DRAWINGS.





KEYED NOTES

1. 1/2" (12.7mm) X 1 1/2" (38.1mm) SILICON-BRONZE MACHINE BOLT & SILICON-BRONZE WASHER
2. 1/2" (12.7mm) EXPANSION ANCHOR
3. 9/16"ø (14.2875mm) HOLE IN BAR
4. DRILLED DOUBLE CONNECTOR HOLES
5. FLAT, TWO-HOLE CU CABLE CONNECTOR #6 TO #2 (DOUBLE LUGS) #1 TO #4/0 (SINGLE LUGS ONLY)
6. 4" (101.6mm) WIDE, 1/4" (6.35mm) DEEP COPPER BUS BAR.
7. LENGTH AS REQUIRED BY NUMBER OF CONDUCTOR CONNECTIONS OR AS SPECIFICALLY INDICATED. PROVIDE INTERMEDIATE WALL SUPPORTS AS REQUIRED.
8. TYP CU GRD CONDUCTOR CONNECTION
9. DESCRIPTION TAG. STATE SIZE OF CONDUCTOR AND TO WHAT IT IS CONNECTED TO.
10. TYP GRD CONNECTION FROM BELOW. SEE APPLICABLE DETAILS FOR SLAB PENETRATIONS.
11. TYP GRD CONNECTION FROM ABOVE. SEE APPLICABLE DETAILS FOR GRC INSTALLATIONS.
12. INSULATED NON-CONDUCTIVE SPACER

1 E6.2 DETAIL - TYPICAL GROUND BUS INSTALLATION
NO SCALE

LATHAN ▪ McKEE ARCHITECTS

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GULF SHORES, ALABAMA

ALABAMA REGISTERED NO. 26965 PROFESSIONAL ENGINEER KENNETH RAY GUNN, JR. 04/24/2026

SHEET TITLE:
GROUNDING DETAILS, & NOTES

PROJ. MGR.: J. TILLERY
DRAWN: J. TILLERY
DATE: 04.24.2026
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