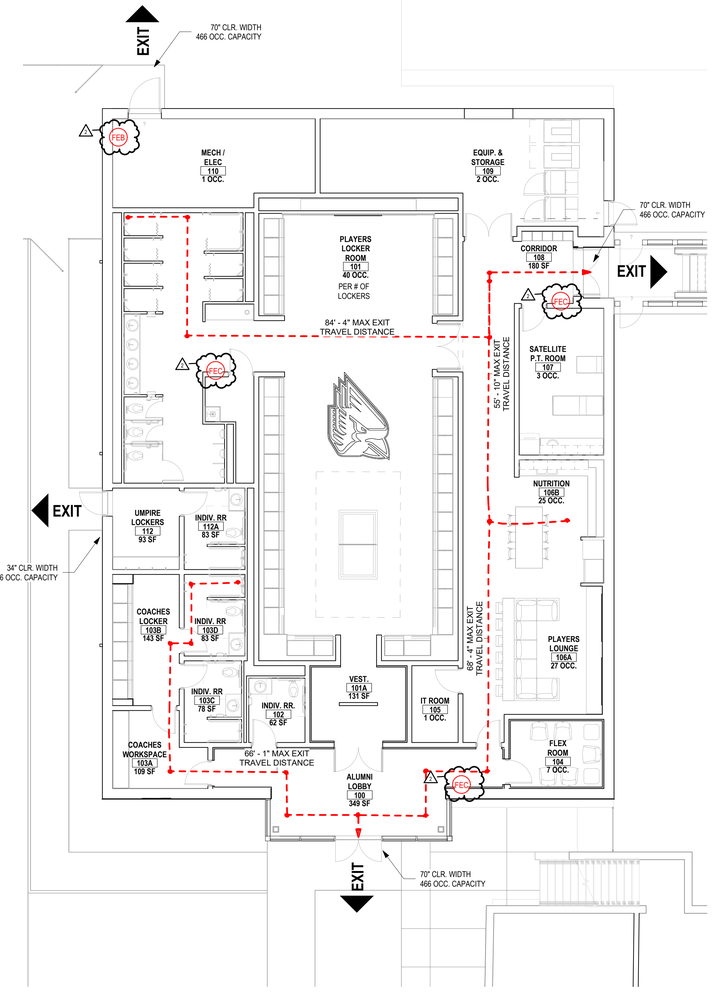
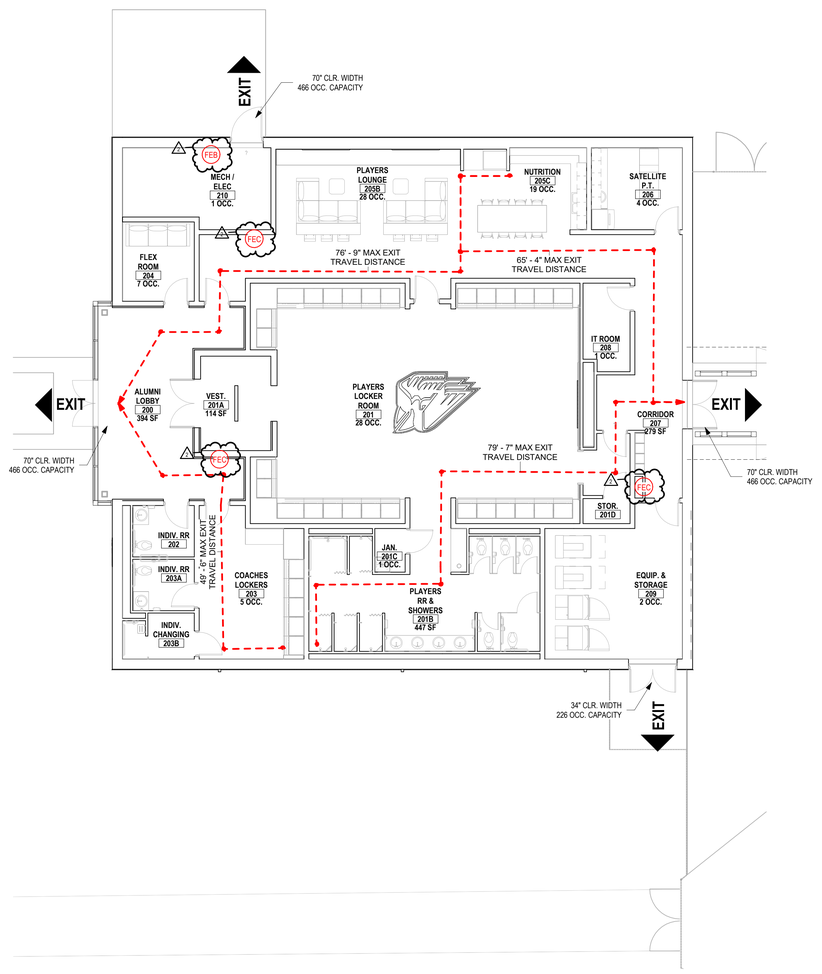


1 G0.30 BASEBALL BUILDING - LIFE SAFETY PLAN

1/8" = 1'-0"



2 G0.30 SOFTBALL BUILDING - LIFE SAFETY PLAN

1/8" = 1'-0"

SYMBOL LEGEND

- FEC — FIRE EXTINGUISHER CABINET
- FEB — FIRE EXTINGUISHER BRACKET

CODE NOTES

PROJECT DESCRIPTION:
PROJECT SCOPE: THIS PROJECT INVOLVES THE CREATION OF TWO (2) STAND-ALONE LOCKER ROOM BUILDINGS,ONE EACH FOR BASEBALL & SOFTBALL AT SHEBEK STADIUM & BALL STATE SOFTBALL STADIUM, RESPECTIVELY. EACH BUILDING INCLUDES HOME TEAM LOCKER ROOMS (FOR PLAYERS & COACHES), A PLAYER LOUNGE & NUTRITION AREA, AND ASSOCIATED ATHLETIC AND ADMINISTATION FACILITIES. THE PROJECT ALSO INVOLVES ASSOCIATED SITE WORK AT EACH BUILDING, INCLUDING NEW ACCESS STAIRS LEADING TO THE HOME DUGOUTS FOR EACH TEAM.

CONTRACTOR SHALL COMPLY WITH ALL CODES, LAWS, ORDINANCES, RULES AND INDUSTRY REGULATIONS BEARING ON THE INSTALLATION OF THE WORK SHOWN HEREIN. ALL WORK IS TO BE INSTALLED TO MEET CURRENT CODE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING REQUIREMENTS PRIOR TO INSTALLING WORK.

GOVERNING AGENCIES & APPLICABLE CODES:
APPLICABLE BUILDING CODES: INDIANA
2014 INDIANA BUILDING CODE
2014 INDIANA MECHANICAL CODE
2012 INDIANA PLUMBING CODE
2014 INDIANA FIRE CODE
2010 INDIANA ENERGY CODE
2008 NATIONAL ELECTRICAL CODE

USE AND OCCUPANCY CLASSIFICATIONS (PER IBC CHAPTER 3):
PROPOSED USE: [NON-SEPARATED MIXED] USE: (FOR BASEBALL & SOFTBALL)
[A-3] [ASSEMBLY, LOCKER ROOM, EXERCISE, STORAGE]

CONSTRUCTION TYPE (PER IBC CHAPTER 6):
[TYPE IIB, NON-COMBUSTIBLE] (FOR BASEBALL & SOFTBALL)

GENERAL BUILDING HEIGHTS AND AREAS (PER IBC CHAPTER 5):
ALLOWABLE HEIGHT (PER OBC TABLE 503):
[A-3 USE IN TYPE IIB CONSTRUCTION] = [55] FEET

ALLOWABLE HEIGHT: [55] FEET
ACTUAL HEIGHT: BASEBALL - [18.75] FEET / SOFTBALL - [18.75] FEET

ALLOWABLE NUMBER OF STORIES ABOVE GRADE PLANE (PER IBC TABLE 503):
[A-3 USE IN TYPE IIB CONSTRUCTION] = [2] STORIES

ALLOWABLE NUMBER OF STORIES = [2] STORIES
ACTUAL NUMBER OF STORIES: BASEBALL & SOFTBALL - [1] STORY

ALLOWABLE AREA (PER IBC SECTION 506.3 AND IBC TABLE 503):
[A-3 USE, TYPE IIB CONSTRUCTION, 1 STORY, SPRINKLER (S1)] = [28,500] S.F.

ALLOWABLE AREA PER STORY (BASED ON MOST RESTRICTIVE, [A-3]): [28,500] S.F.
ACTUAL AREA PER STORY: BASEBALL - [6,300] S.F. / SOFTBALL - [5,515] S.F.

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE (PER IBC TABLE 602):
ALL EXTERIOR WALLS WITH A FIRE SEPARATION DISTANCE OF MORE THAN 30 FEET DO NOT RQUIRE A FIRE-RESISTNACE RATING GREATER THAN 0 HOURS. EXTERIOR WALLS WITH A FIRE SEPERATION DISTANCE OF LESS THAN 30 FEET BUT MORE THAN 10 FEET HAVE A FIRE-RESISTANCE RATING OF 1 HOUR.

FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (PER IBC TABLE 601):
PRIMARY STRUCTURAL FRAME: [0] HOURS
BEARING WALLS
EXTERIOR: [0] HOURS
INTERIOR: [0] HOURS
NONBEARING WALLS & PARTITIONS
EXTERIOR: [0] HOURS
INTERIOR: [0] HOURS
FLOOR CONSTRUCTION
AND ASSOCIATED SECONDARY MEMBERS: [0] HOURS
ROOF CONSTRUCTION:
AND ASSOCIATED SECONDARY MEMBERS: [0] HOURS

INTERIOR FINISHES (PER IBC TABLE 803.9):
[GROUP A-3]
[INTERIOR EXIT STAIRWAYS & RAMPS & EXIT PASSAGEWAYS TYPE B]
[ROOMS AND ENCLOSED SPACES TYPE C]

AUTOMATIC SPRINKLER SYSTEM (PER IBC SECTION 903):
BUILDING IS FULLY EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM.

FIRE PARTITIONS (PER IBC SECTION 708):
PER IBC SECTION 420.2, WALLS SEPARATING INDIVIDUAL SLEEPING UNITS FROM EACH OTHER AND FROM OTHER CONTIGUOUS OCCUPANCIES SHALL BE FIRE PARTITIONS IN ACCORDANCE WITH SECTION 708. PER IBC SECTION 708.3, SLEEPING UNIT SEPARATIONS SHALL HAVE FIRE RESISTANCE RATINGS OF NOT LESS THAN 1 HOUR. THIS BUILDING CONTAINS A SPRINKLER SYSTEM AND IS TYPE IIB CONSTRUCTION, EXCEPTION 2 CAN BE TAKEN, ALLOWING A FIRE-RESISTANCE RATING OF NOT LESS THAN 1/2 HOUR.

FIRE ALARM AND DETECTION SYSTEMS (PER IBC SECTION 903.4):
THE AUTOMATIC SPRINKLER SYSTEM AND FIRE ALARM WILL BE MONITORED PER CODE.

OCCUPANT LOAD (PER IBC TABLE 1004.1.2):

BASEBALL BUILDING:

[ACCESSORY STORAGE / MECHANICAL / EQUIPMENT AREAS]	[934] G.S.F. / 300 G.S.F. PER PERSON =	[6] OCCUPANTS
[ASSEMBLY W/O FIXED SEATING (TABLES & CHAIRS)]	[875] N.S.F. / 15 N.S.F. PER PERSON =	[59] OCCUPANTS
[EXERCISE AREAS]	[148] G.S.F. / 50 G.S.F. PER PERSON =	[3] OCCUPANTS
[LOCKER ROOMS AREAS (PLAYER, COACH & UMPIRE AREAS)]	[51] PER NUMBER OF LOCKERS=	[51] OCCUPANTS
	TOTAL OCCUPANT LOAD =	[119] OCCUPANTS

SOTBALL BUILDING:

[ACCESSORY STORAGE / MECHANICAL / EQUIPMENT AREAS]	[637] G.S.F. / 300 G.S.F. PER PERSON =	[5] OCCUPANTS
[ASSEMBLY W/O FIXED SEATING (TABLES & CHAIRS)]	[796] N.S.F. / 15 N.S.F. PER PERSON =	[54] OCCUPANTS
[EXERCISE AREAS]	[154] G.S.F. / 50 G.S.F. PER PERSON =	[4] OCCUPANTS
[LOCKER ROOMS AREAS (PLAYER & COACH AREAS)]	[33] PER NUMBER OF LOCKERS=	[33] OCCUPANTS
	TOTAL OCCUPANT LOAD =	[96] OCCUPANTS

EGRESS WIDTHS (PER IBC SECTION 10):
MINIMUM CORRIDOR WIDTH PER IBC TABLE 1018.2 = 44 INCHES OR 3'-8".

EXIT ACCESS TRAVEL DISTANCE (PER IBC TABLE 1016.2):
WITH SPRINKLER SYSTEM:
[A-3] USE: [250] FEET
ACTUAL MAX. TRAVEL DISTANCE: BASEBALL - [84.25] FEET / SOFTBALL - [86.09] FEET

CORRIDOR FIRE-RESISTANCE RATING (PER IBC TABLE 1018.1):
WITH SPRINKLER SYSTEM:
[A-3] USES: [0] HOURS

PLUMBING FACILITIES REQUIREMENTS (PER IBC TABLE 2902.1):

	WATER CLOSETS			LAVATORIES			DRINKING FOUNTAINS	SHOWERS	SERVICE SINKS
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX			
"[A-3]" USE REQ'D:	1 PER 125	1 PER 65	0	1 PER 200		0	1 PER 500	0	1

BASEBALL BUILDING

TOTAL BUILDING OCCUPANCY - 119
PLAYERS LOCKER ROOM OCCUPANCY - 40
BUILDING OCCUPANCY MINUS PLAYERS LOCKER ROOM - 79
CAPACITY PER GENDER (1/2) - 40

TOTAL	WATER CLOSETS			LAVATORIES			DRINKING FOUNTAINS	SHOWERS	SERVICE SINKS
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX			
OCCUPANTS	40 + 40	40		40			119		
REQUIRED:	2*	1	0	1		0	1	0	1
PROVIDED:	3	1	3	4	1	3	0**	7	1

* PER IBC 2902.1.1, PLAYERS LOCKER ROOM OCCUPANCY (40) IS NOT REQUIRED TO BE DIVIDED IN HALF, AS LOCKER ROOM IS DESIGNATED FOR MALE USE ONLY.
** PER IBC TABLE 2029.1 EXPECTION H, DINKING FOUNTAINS ARE NOT REQUIRED AS BOTTLED WATER COOLERS ARE PROVIDED WITHIN THE NUTRITION AREA - FREE OF CHARGE.

SOFTBALL BUILDING

TOTAL BUILDING OCCUPANCY - 96
PLAYERS LOCKER ROOM OCCUPANCY - 28
BUILDING OCCUPANCY MINUS PLAYERS LOCKER ROOM - 68
CAPACITY PER GENDER (1/2) - 34

TOTAL	WATER CLOSETS			LAVATORIES			DRINKING FOUNTAINS	SHOWERS	SERVICE SINKS
	MALE	FEMALE	UNISEX	MALE	FEMALE	UNISEX			
OCCUPANTS	34	28 + 34		34			96		
REQUIRED:	1	2*	0	1		0	1	0	1
PROVIDED:	1	5	1	1	4	1	0**	5	1

* PER IBC 2902.1.1, PLAYERS LOCKER ROOM OCCUPANCY (28) IS NOT REQUIRED TO BE DIVIDED IN HALF, AS LOCKER ROOM IS DESIGNATED FOR FEMALE USE ONLY.
** PER IBC TABLE 2029.1 EXPECTION H, DINKING FOUNTAINS ARE NOT REQUIRED AS BOTTLED WATER COOLERS ARE PROVIDED WITHIN THE NUTRITION AREA - FREE OF CHARGE.

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PRELIMINARY
NOT FOR CONSTRUCTION

BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

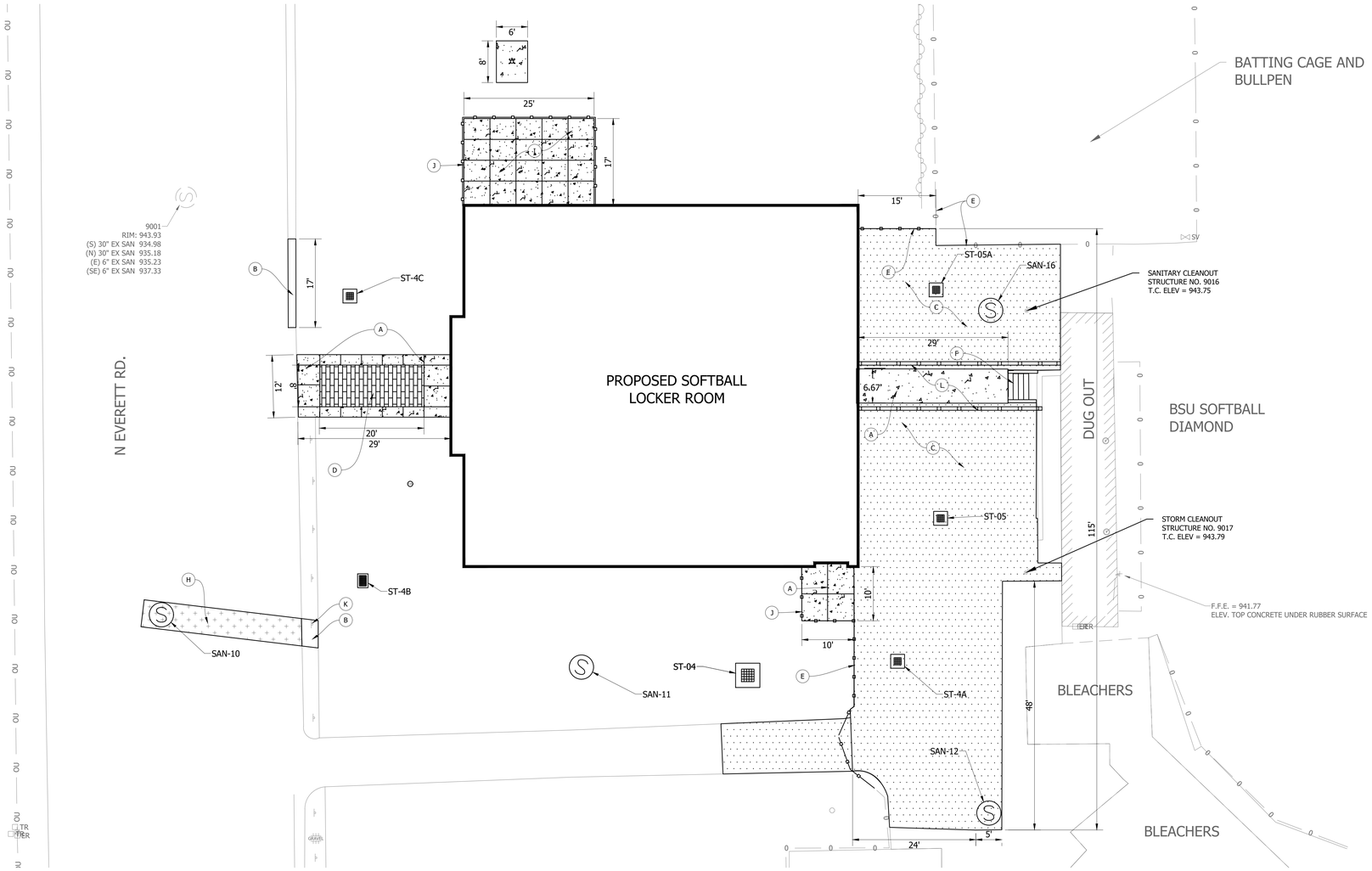
BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306

NO.	DATE	ISSUED / REVISION
A	07/19/2024	SD SET
B	06/27/2025	DD SET
C	11/21/2025	BID/PERMIT SET
2	01/09/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
CODE ANALYSIS

G0.30



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GRAPHIC SCALE (FEET)

0 5 10 20

SITE WORK GENERAL NOTES AND SPECIFICATIONS

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING, OR VERIFYING, THAT ALL PERMITS AND APPROVALS ARE OBTAINED FROM THE RESPECTIVE CITY, COUNTY, STATE AND ANY OTHER REGULATORY AGENCIES PRIOR TO STARTING CONSTRUCTION.
2. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
3. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY AND OBTAIN APPROVAL FROM EACH RESPECTIVE UTILITY COMPANY PRIOR TO PERFORMING ANY WORK ON OR IN THE VICINITY OF EXISTING UTILITIES LINES AND APPURTENANCES.
4. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER AND CONTRACTOR TO MAINTAIN QUALITY CONTROL THROUGHOUT THE PROJECT; FAILURE TO DO SO MAY RESULT IN REMOVAL AND REPLACEMENT OF THE DEFECTIVE WORK. IT IS RECOMMENDED THAT THE DEVELOPER HAVE A QUALIFIED INSPECTOR ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION.
5. ALL QUANTITIES GIVEN ON THE PRINTS, VERBALLY OR IN THE SCOPE OF WORK SECTION ARE ESTIMATES AND SHALL BE CONFIRMED BY THE BIDDING CONTRACTOR.
6. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) STANDARDS FOR EXCAVATIONS FINAL RULE 29 CFR PART 1926, SUBPART "P" APPLIES TO ALL EXCAVATIONS EXCEEDING FIVE (5) FEET IN DEPTH.
7. EXCAVATIONS EXCEEDING TWENTY (20) FEET IN DEPTH REQUIRE THE DESIGN OF A TRENCH SAFETY SYSTEM BY A REGISTERED PROFESSIONAL ENGINEER.

SITE PLAN NOTES

1. ALL RADII AND STREET DIMENSIONS SHALL BE MEASURED TO BACK OF CURB OR FACE OF INTEGRAL CURB AND WALK. ALL DIMENSIONS TO THE BUILDING ARE TO THE OUTSIDE OF BUILDING FOUNDATION WALL.
2. ALL PAVEMENT AND/OR CURB RADII TO BE FIVE (5) FOOT UNLESS OTHERWISE NOTED.
3. BEARINGS, DIMENSIONS AND EASEMENTS ARE SHOWN FOR REFERENCE ONLY. REFER TO RECORDED BOUNDARY SURVEYS, ALTAS AND SECONDARY PLATS FOR EXACT INFORMATION.
4. REFER TO ARCHITECTURAL PLANS FOR DETAILS OF BUILDINGS AND BUILDING DIMENSIONS.
5. TEMPORARY TRAFFIC CONTROL DURING CONSTRUCTION SHALL CONFORM TO APPLICABLE LOCAL STANDARDS.
6. REFER TO UTILITY PLAN FOR SANITARY AND STORM STRUCTURE LOCATIONS.
7. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.

LEGEND

- (A) 4" CONCRETE SIDEWALK. ADJUST EDGE OF EXISTING ASPHALT PAVING ACCORDING TO CREATE A STRAIGHT AND PLUMB TRANSITION. INSTALL CONTINUOUS EXPANSION JOINT BETWEEN EXISTING HARD SURFACE AND CONCRETE.
- (B) INDOT #53 STONE TO MATCH EXISTING ADJACENT STONE
- (C) ASPHALT PAVEMENT
- (D) BRICK SIDEWALK. SEE ARCHITECTURE DETAILS.
- (E) NEW FENCING TO MATCH ADJACENT EXISTING FENCE
- (F) NEW STEPS TO DUGOUT. SEE STRUCTURAL DETAILS.
- (G) NOTE
- (H) TRENCH PATCH. SEE TYPICAL PAVEMENT SECTION DETAILS ON C6.01 AND MUNCIE DETAIL SS-914 ON C6.02.
- (I) 6" CONCRETE PAD
- (J) NEW FENCING. SEE ARCHITECTURAL PLANS
- (K) RESET EXISTING SIGN
- (L) NEW COVERED WALKWAY. SEE ARCHITECTURE DETAILS.

PROPOSED BRICK WALK

PROPOSED CONCRETE PAVEMENT

PROPOSED ASPHALT WALK

PROPOSED TRENCH PATCH

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KEITH M. BUCK
REGISTERED
No. 10302164
STATE OF INDIANA
PROFESSIONAL ENGINEER

BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

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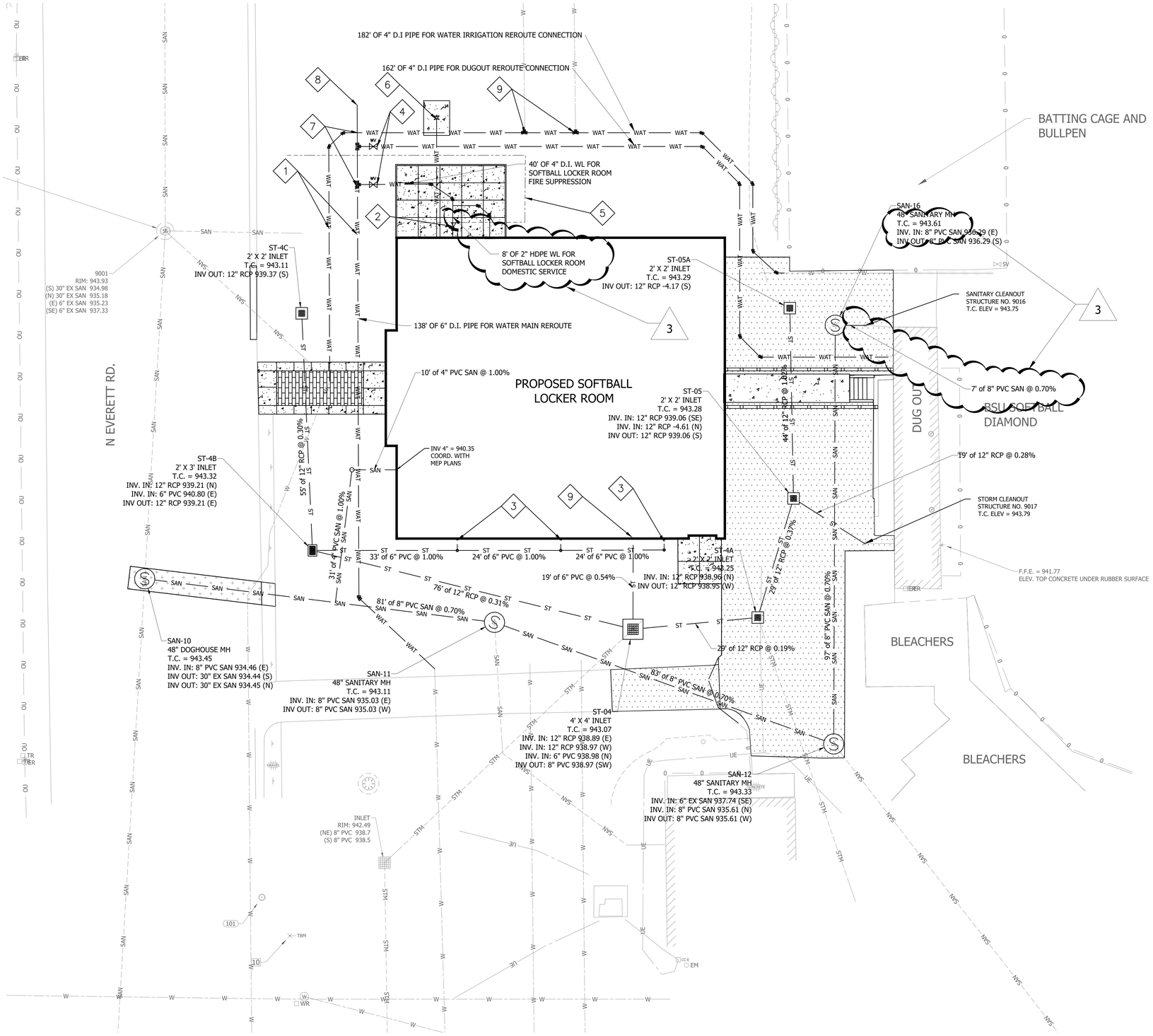
	11/04/2025	CD SET
	11/21/2025	BID SET
3	01/09/2026	ADDENDUM #3

PROJECT NO. **24104.00**

DRAWING TITLE:
SITE PLAN - SOFTBALL

C2.01S



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GRAPHIC SCALE (FEET)

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UTILITY PLAN LEGEND

- STORM SEWER, MANHOLE
- SUBSURFACE DRAIN (SSD)
- ROOF DRAIN, CLEANOUT
- WATER LINE, METER, VALVE
- SANITARY SEWER, MANHOLE
- SANITARY LATERAL, CLEAN OUT
- EASEMENT LINE
- OVERHEAD ELECTRIC, POLE
- BURIED ELECTRIC, MANHOLE
- OVERHEAD CABLE TELEVISION
- BURIED CABLE TELEVISION
- GAS LINE, METER, VALVE
- OVERHEAD TELEPHONE LINE
- BURIED TELEPHONE LINE
- END SECTION
- CURB INLET
- STORM SEWER INLETS
- "TEE" FITTING
- TAPPING SLEEVE & VALVE
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE
- STREET LIGHT
- TRANSFORMER
- ELECTRIC METER
- CABLE RISER PEDESTAL

- PROPOSED BRICK WALK
- PROPOSED CONCRETE PAVEMENT
- PROPOSED ASPHALT WALK
- PROPOSED TRENCH PATCH

UTILITY PLAN NOTES:

1. SEE ARCHITECTURAL PLUMBING PLANS FOR PLUMBING DETAILS TO AREAS FIVE (5) FEET OUTSIDE AND INSIDE OF THE PROPOSED STRUCTURE.
2. SITE CONTRACTOR TO VERIFY ALL BUILDING LATERALS WITH PLUMBING DRAWINGS PRIOR TO CONSTRUCTION.
3. SITE UTILITY CONTRACTOR TO VERIFY BUILDING CONNECTION LOCATIONS AND ELEVATIONS WITH MEP AND ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
6. WATER AND SEWER CROSSINGS AND SEPARATIONS SHALL BE IN ACCORDANCE WITH "TEN STATE STANDARDS" AND LOCAL CODES.
7. WATER LINES THROUGHOUT THE PROJECT SHALL BE INSTALLED WITH AT LEAST 54 INCHES OF COVER TO PROVIDE PROTECTION FROM FREEZING.
8. PLASTIC WATER LINES SHALL BEAR THE NSF SEAL OF APPROVAL AND MEET COMMERCIAL STANDARD NO. 256-3, PRODUCT STANDARD 22-70, OR ASTM D 2441.
9. ALL SUB-SURFACE DRAIN (SSD) SHALL BE 6" PERFORATED DUAL WALL HDPE UNLESS NOTED OTHERWISE.
10. INVERT ELEVATION OF SUB-SURFACE DRAIN (SSD) AT STRUCTURE TO BE THREE (3) FEET BELOW RIM ELEVATION. ALL STORM STRUCTURES MUST HAVE AT LEAST 3 SUB SURFACE DRAIN CONNECTIONS.
11. REFER TO CITY OF MUNCIE DETAIL SHEETS C914 & C919 FOR BACKFILL REQUIREMENTS FOR STORM & SANITARY SEWERS.
12. REFER TO CITY OF MUNCIE SHEETS C919-C924 FOR TOWN OF FISHERS SANITARY SEWER DETAILS.
13. REFER TO DETAIL SHEETS C914-C918 FOR CITY OF MUNCIE STORM SEWER DETAILS.
14. REFER TO SHEETS IN THE C900 SERIES FOR ALL OTHER CITY OF MUNCIE DETAILS.
15. SEE STRUCTURE DATA TABLE DETAILS ON SHEETS C705 (STORM) & C801 (SANITARY).
16. CONNECTIONS TO EXISTING STRUCTURES REQUIRE THAT THE STRUCTURE BE REHABILITATED TO CURRENT DPW DESIGN STANDARDS.
17. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
18. ALL EXISTING STRUCTURES, MANHOLES, AND CATCH BASIN GRATES SHALL BE ADJUSTED TO NEW FINISH GRADE ELEVATIONS.
19. ALL UTILITY STRUCTURES IN PAVED AREAS SHALL BE TRAFFIC BEARING AND SHALL BE FLUSH WITH ADJACENT PAVEMENT.

KEYNOTE LEGEND

1. CONNECT WATER TO EXISTING WITH STAINLESS STEEL TAPPING SLEEVE AND VALVE.
2. POST INDICATOR VALVE – SEE FIRE PROTECTION PLANS AND ELECTRICAL PLANS FOR LOW VOLTAGE WIRING.
3. DOWN SPOUT WITH BOOT FOR UNDERGROUND DRAINAGE TO FOOTING DRAIN – SEE STRUCTURAL PLANS
4. NEW WATER VALVE
5. NEW ELECTRIC CABLE/CONDUIT – SEE ELECTRICAL PLANS
6. NEW FIRE DEPARTMENT CONNECTION
7. 6" GATE VALVE WITH MECHANICAL JOINTS
8. 6" END CAP
9. 4" GATE VALVE WITH MECHANICAL JOINTS

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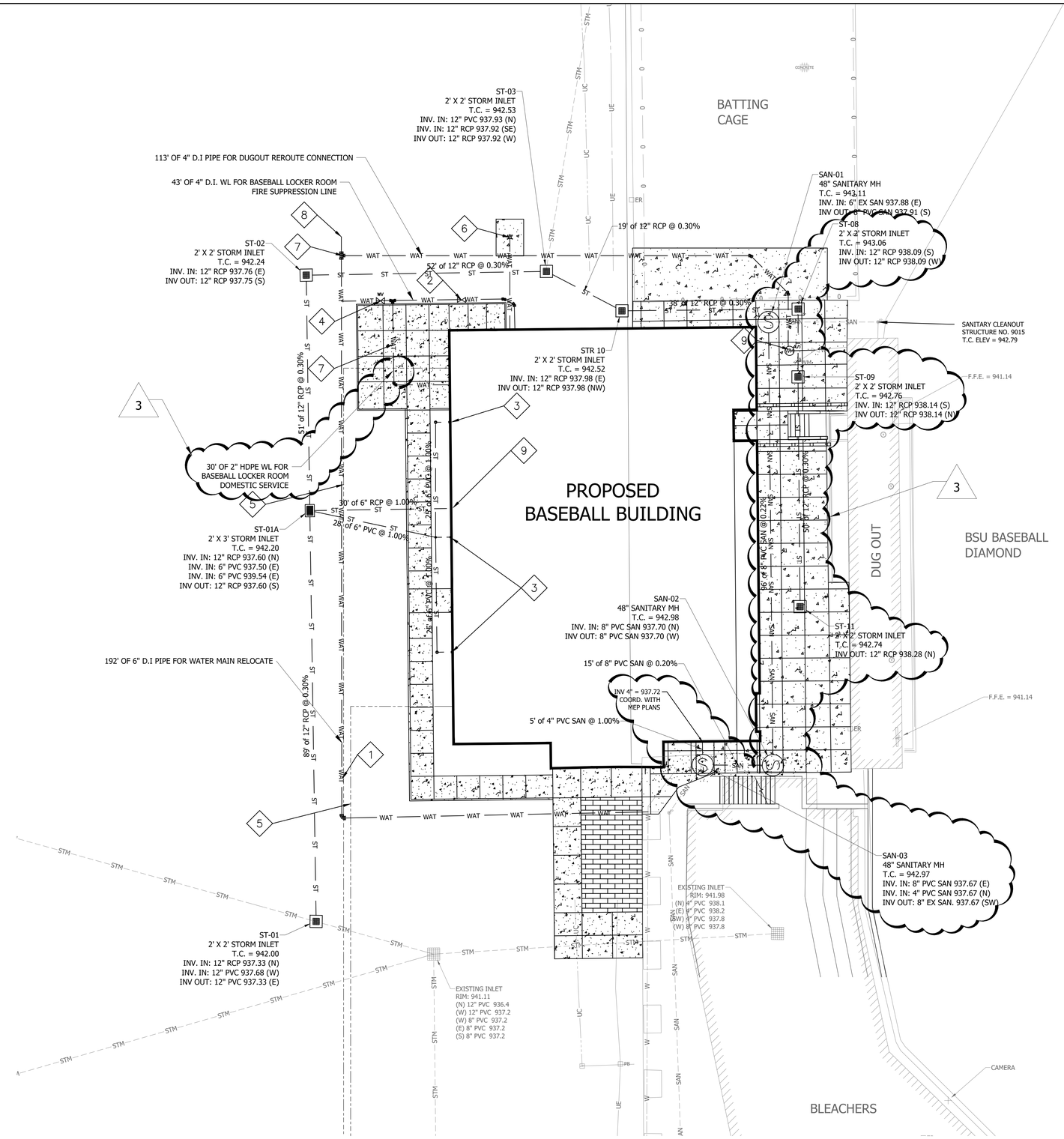
DRAWING TITLE:
UTILITY PLAN - SOFTBALL

C4.01S



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GRAPHIC SCALE (FEET)
0 5 10 20

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- PROPOSED BRICK WALK
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UTILITY PLAN NOTES:

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KEYNOTE LEGEND

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2. POST INDICATOR VALVE – SEE FIRE PROTECTION PLANS AND ELECTRICAL PLANS FOR LOW VOLTAGE WIRING.
3. DOWN SPOUT WITH BOOT FOR UNDERGROUND DRAINAGE TO FOOTING DRAIN – SEE STRUCTURAL PLANS
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5. NEW ELECTRIC CABLE/CONDUIT – SEE ELECTRICAL PLANS
6. NEW FIRE DEPARTMENT CONNECTION
7. 6" GATE VALVE WITH MECHANICAL JOINTS
8. 6" END CAP
9. FOOTING DRAIN CONNECTION. COORD WITH STRUCTURAL PLANS.

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KEITH M. BUCK
REGISTERED
No. 10302164
STATE OF INDIANA
PROFESSIONAL ENGINEER

BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

NO.	DATE	ISSUED / REVISION
	07/19/2024	SD SET
	06/27/2025	DD SET
	11/04/2025	CD SET
	11/21/2025	BID SET
3	01/09/2026	ADDENDUM #3

PROJECT NO. **24104.00**

DRAWING TITLE:
UTILITY PLAN - BASEBALL

C4.02B

N

GRAPHIC SCALE (FEET)
0 5 10 20

UTILITY PLAN LEGEND

- STORM SEWER, MANHOLE
- SUBSURFACE DRAIN (SSD)
- ROOF DRAIN, CLEANOUT
- WATER LINE, METER, VALVE
- SANITARY SEWER, MANHOLE
- SANITARY LATERAL, CLEAN OUT
- EASEMENT LINE
- OVERHEAD ELECTRIC, POLE
- BURIED ELECTRIC, MANHOLE
- OVERHEAD CABLE TELEVISION
- BURIED CABLE TELEVISION
- GAS LINE, METER, VALVE
- OVERHEAD TELEPHONE LINE
- BURIED TELEPHONE LINE
- END SECTION
- CURB INLET
- STORM SEWER INLETS
- "TEE" FITTING
- TAPPING SLEEVE & VALVE
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION
- POST INDICATOR VALVE
- STREET LIGHT
- TRANSFORMER
- ELECTRIC METER
- CABLE RISER PEDESTAL
- PROPOSED BRICK WALK
- PROPOSED CONCRETE PAVEMENT

UTILITY PLAN NOTES:

1. SEE ARCHITECTURAL PLUMBING PLANS FOR PLUMBING DETAILS TO AREAS FIVE (5) FEET OUTSIDE AND INSIDE OF THE PROPOSED STRUCTURE.
2. SITE CONTRACTOR TO VERIFY ALL BUILDING LATERALS WITH PLUMBING DRAWINGS PRIOR TO CONSTRUCTION.
3. SITE UTILITY CONTRACTOR TO VERIFY BUILDING CONNECTION LOCATIONS AND ELEVATIONS WITH MEP AND ARCHITECTURAL PLANS PRIOR TO CONSTRUCTION.
4. EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE AND FIELD VERIFY ALL HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
5. RIM ELEVATION (RE) SHALL INDICATE THE ELEVATION THAT WATER WOULD ENTER THE GRATE FOR ALL CASTINGS. IF CASTING HAS SOLID LID, THE RE IS THE LID ELEVATION.
6. WATER AND SEWER CROSSINGS AND SEPARATIONS SHALL BE IN ACCORDANCE WITH "TEN STATE STANDARDS" AND LOCAL CODES.
7. WATER LINES THROUGHOUT THE PROJECT SHALL BE INSTALLED WITH AT LEAST 54 INCHES OF COVER TO PROVIDE PROTECTION FROM FREEZING.
8. PLASTIC WATER PIPES SHALL BEAR THE NSF SEAL OF APPROVAL AND MEET COMMERCIAL STANDARD NO. 256-63, PRODUCT STANDARD 22-70, OR ASTM D 2441.
9. ALL SUB-SURFACE DRAIN (SSD) SHALL BE 6" PERFORATED DUAL WALL HDPE UNLESS NOTED OTHERWISE.
10. INVERT ELEVATION OF SUB-SURFACE DRAIN (SSD) AT STRUCTURE TO BE THREE (3) FEET BELOW RIM ELEVATION. ALL STORM STRUCTURES MUST HAVE AT LEAST 3 SUB SURFACE DRAIN CONNECTIONS.
11. REFER TO CITY OF MUNCIE DETAIL SHEETS C914 & C919 FOR BACKFILL REQUIREMENTS FOR STORM & SANITARY SEWERS.
12. REFER TO CITY OF MUNCIE SHEETS C919–C924 FOR TOWN OF FISHERS SANITARY SEWER DETAILS.
13. REFER TO DETAIL SHEETS C914–C918 FOR CITY OF MUNCIE STORM SEWER DETAILS.
14. REFER TO SHEETS IN THE C900 SERIES FOR ALL OTHER CITY OF MUNCIE DETAILS.
15. SEE STRUCTURE DATA TABLE DETAILS ON SHEETS C705 (STORM) & C801 (SANITARY).
16. CONNECTIONS TO EXISTING STRUCTURES REQUIRE THAT THE STRUCTURE BE REHABILITATED TO CURRENT DPW DESIGN STANDARDS.
17. ANY DISCREPANCIES OR CONFLICTS WHICH BECOME APPARENT BEFORE OR DURING CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD IMMEDIATELY SO THAT CLARIFICATION OR REDESIGN MAY OCCUR.
18. ALL EXISTING STRUCTURES, MANHOLES, AND CATCH BASIN GRATES SHALL BE ADJUSTED TO NEW FINISH GRADE ELEVATIONS.
19. ALL UTILITY STRUCTURES IN PAVED AREAS SHALL BE TRAFFIC BEARING AND SHALL BE FLUSH WITH ADJACENT PAVEMENT.

KEYNOTE LEGEND

1. PROVIDE NEW FIRE SERVICE VAULT ON EXISTING 6 INCH WATER MAIN. SEE SHEET C6.03 FOR DETAIL.

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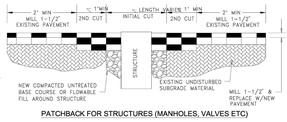
PROJECT NO. **24104.00**

DRAWING TITLE:
UTILITY PLAN - FIRE SERVICE VAULT

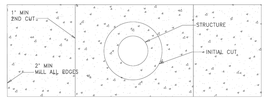
C4.03

NOTE:

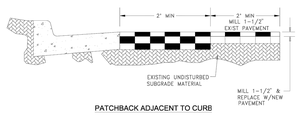
1. IF ASPHALT PATCH THICKNESS IS NOT IDENTIFIED ON PLANS USE 7" MIN ASPHALT PATCH OR MATCH EXISTING, WHICH EVER THICKNESS IS GREATER.
2. MINIMUM DEPTH OF SURFACE COURSE IN PATCH SHALL BE 2".
3. MINIMUM DEPTH OF INTERMEDIATE COURSE SHALL BE 2" WITH MINIMUM BASE UNDER INTERMEDIATE SHALL BE 3".
4. PATCH SHALL BE PLACED AND COMPACTED IN LIFTS A MAXIMUM OF 3" IN DEPTH.
5. APPLY TACK COAT TO EXISTING ASPHALT AND/OR CONCRETE VERTICAL SURFACES.
6. TRENCHES LESS THAN 2' IN WIDTH MUST RECEIVE PRIOR APPROVAL FROM THE CITY OF MUNCIE ENGINEERING DEPARTMENT AND SHALL BE FLOW-FILLED.
7. PROVIDE 28 DAY 60 PSI CONTROLLED LOW STRENGTH FLOWABLE FILL AS SPECIFIED. USE FILL THAT FLOWS EASILY AND VIBRATION IS NOT REQUIRED. CURE TO INITIAL SET BEFORE PLACING NEW UNTREATED BASE COURSE OR NEW ASPHALT PAVEMENT. USE FLOWABLE FILL IN EXCAVATION THAT ARE TOO NARROW TO RECEIVE COMPACTION EQUIPMENT.
8. REMOVE ADDITIONAL PAVEMENT TO A PAINTED LANE STRIPE, A LIP OF GUTTER, A CURB, AN EXISTING PAVEMENT PATCH, OR AN EDGE OF THE PAVEMENT IF SUCH STREET FEATURE IS WITHIN TWO FEET OF THE SECOND SAW CUT.
9. PROVIDE UNTREATED BASE COURSE MATERIAL. DO NOT USE GRAVEL OR WASHED ROCK. PLACE NEW MATERIAL IN LIFTS NOT EXCEEDING 8" AFTER COMPACTION. COMPACT TO A MODIFIED PROCTOR DENSITY OF 95% OR GREATER.
10. STRAIGHT SAWCUT OR BLADECUT THE EXISTING ASPHALT PAVEMENT WHEN JOINING WITH NEW ASPHALT PAVEMENT.
11. IF FOUR (4) OR MORE CUTS PER A BLOCK, OR 20% OF THE ROAD SURFACE OF ANY BLOCK IS DISTURBED, RESTORATION OF THE ENTIRE BLOCK WILL BE REQUIRED INCLUDING THE MILLING AND RESURFACING OF THE ENTIRE BLOCK FROM INTERSECTION TO INTERSECTION OF THE IMPACTED SEGMENT OF ROADWAY.



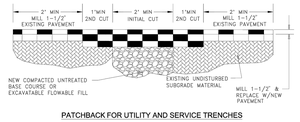
PATCHBACK FOR STRUCTURES (MANHOLES, VALVES ETC)



PLAN VIEW



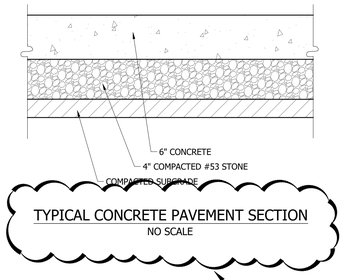
PATCHBACK ADJACENT TO CURB



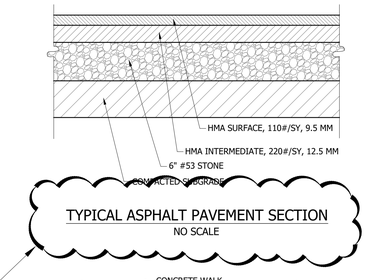
PATCHBACK FOR UTILITY AND SERVICE TRENCHES

TRENCH, CURB AND STRUCTURE PATCH

APPROVED: 07/01/2024
REVISED: 07/01/2024
STANDARD: **EC-403**

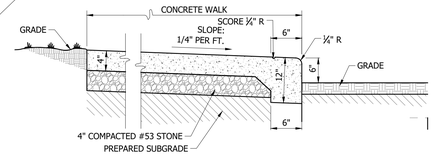


TYPICAL CONCRETE PAVEMENT SECTION
NO SCALE

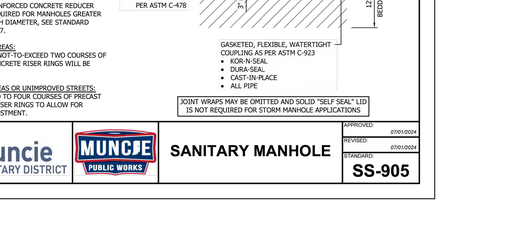


TYPICAL ASPHALT PAVEMENT SECTION
NO SCALE

3



CONCRETE CURB AND WALK
NO SCALE



NOTE:

WHEN WALK IS ADJACENT TO A CURB CUT, MATCH THICKNESS AND REINFORCING WITH CURB CUT. (SEE 16.0)

SIDEWALK

* 1.5" IF TEMPLATES ARE NOT USED.
NOTE: TYPICAL SPACING EVERY 5'.

CONTRACTION OR WEAKNED PLANE JOINT

NOTE: TYPICAL SPACING EVERY 40'

NOTE: IN GUTTER FLOWLINES RECESS EXPANSION JOINT 1/2" AND SEAL WITH FLEXIBLE SEALANT.

EXPANSION JOINT

SIDEWALK CONSTRUCTION JOINTS

APPROVED: 07/01/2024
REVISED: 07/01/2024
STANDARD: **CM-504**

TYPICAL SIDEWALK SECTION

THE SPACE BEHIND THE CURB SHALL BE FILLED WITH SUITABLE MATERIAL TO THE REQUIRED ELEVATION AND COMPACTED IN LAYERS NOT TO EXCEED 6" IN DEPTH.

SUBGRADE UNDER ALL CURB, SIDEWALK, AND DRIVES SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 207.02 OF THE STANDARD SPECIFICATIONS.

CONCRETE SIDEWALK
SIDEWALK DETAIL
NO SCALE

NOTES:

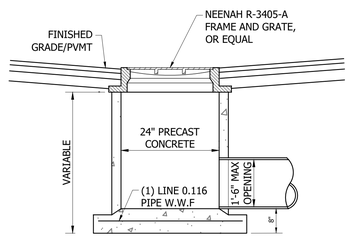
1. ALL SOFT OR YIELDING SOILS ARE TO BE REMOVED AND A SOLID FOUNDATION OF GRANULAR MATERIAL COMPACTED TO 95% DRY DENSITY SHALL BE PROVIDED BY THE CONTRACTOR PRIOR TO MANHOLE PLACEMENT.
2. ALL CONCRETE MANHOLE SECTIONS AND REINFORCING STEEL SHALL CONFORM TO ASTM C-478. THE TAPERED CONE SECTION TO BE A MIN OF 30-INCH IN HEIGHT AND THE BOTTOM SECTION SHALL BE 30-INCH IN HEIGHT. ALL CONCRETE SHALL BE A MINIMUM OF 4,000 psi.
3. PRECAST BOTTOMS TO BE CONSTRUCTED WITH THE BASE AND FIRST RISER SECTION AS ONE COMPLETE PRECAST UNIT. MONOLITHIC MANHOLE BASES SHALL BE 6-INCH MINIMUM THICKNESS FOR 48-INCH DIAMETER STANDARD MANHOLES AND 12-INCH THICKNESS FOR ALL OTHER MANHOLES.
4. ALL FACTORY FORMED CONCRETE FOR BASE AND BENCH WALLS SHALL BE MONOLITHICALLY PLACED. BENCH HEIGHT TO BE AT OR ABOVE TOP OF PIPE, TOP TO BE TROWELED, SLOPED TOWARDS CHANNEL.
5. CONCRETE MANHOLE SECTIONS SHALL BE STEAM OR HEAT-AND-MIST CURED AND SHALL NOT BE INSTALLED UNTIL AT LEAST 5 DAYS AFTER BEING CAST.
6. JOINTS BETWEEN PRECAST CONCRETE MANHOLE SECTIONS SHALL CONFORM TO ASTM C-443. ALL JOINTS SHALL HAVE AN EXTERIOR JOINT WRAP. THE JOINT WRAP SHALL BE A MINIMUM OF 6-INCHES IN WIDTH.
7. EACH CONNECTION FOR SEWER PIPES TO BE FURNISHED WITH AN APPROPRIATE COUPLING FOR THE TYPE OF PIPE SPECIFIED.
8. NO "SEE THROUGH" LIFT HOLES SHALL BE PERMITTED ON MANHOLES. LIFT HOLES SHALL BE FILLED WITH NON-SHRINK MORTAR OR EPOXY GROUT AND COVERED, INSIDE AND OUT, WITH A TROWELABLE BUTYL RUBBER BASE MATERIAL TO INSURE A WATERTIGHT SEAL.
9. SANITARY MANHOLES REQUIRE VACUUM TESTING PER ASTM C-1244.
10. PRECAST REINFORCED CONCRETE REDUCER SECTION REQUIRED FOR MANHOLES GREATER THAN 48-INCH DIAMETER, SEE STANDARD DETAIL SS-907.
11. PAVEMENT AREAS:
    THE USE OF NOT-TO-EXCEED TWO COURSES OF PRECAST CONCRETE RISER RINGS WILL BE PERMITTED.

    UNPAVED AREAS OR UNIMPROVED STREETS:
    INSTALL TWO TO FOUR COURSES OF PRECAST CONCRETE RISER RINGS TO ALLOW FOR FUTURE ADJUSTMENT.

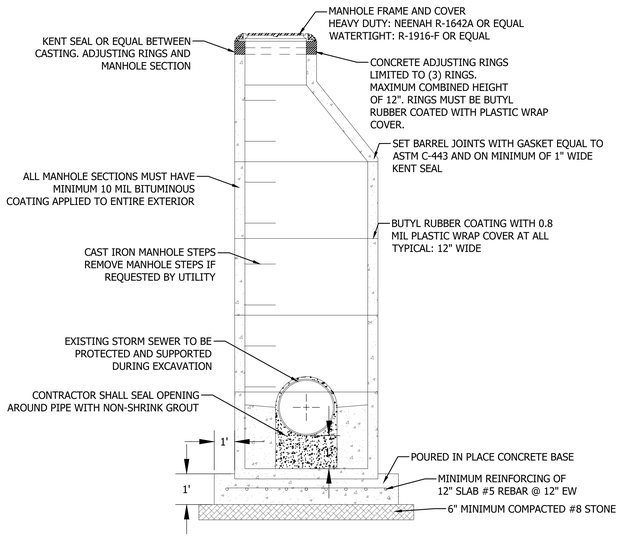
JOINT WRAPS MAY BE OMITTED AND SOLID "SELF SEAL" LID IS NOT REQUIRED FOR STORM MANHOLE APPLICATIONS

SANITARY MANHOLE

APPROVED: 07/01/2024
REVISED: 07/01/2024
STANDARD: **SS-905**



2' x 2' STORM INLET DETAIL
NO SCALE



DOGHOUSE MANHOLE
NO SCALE

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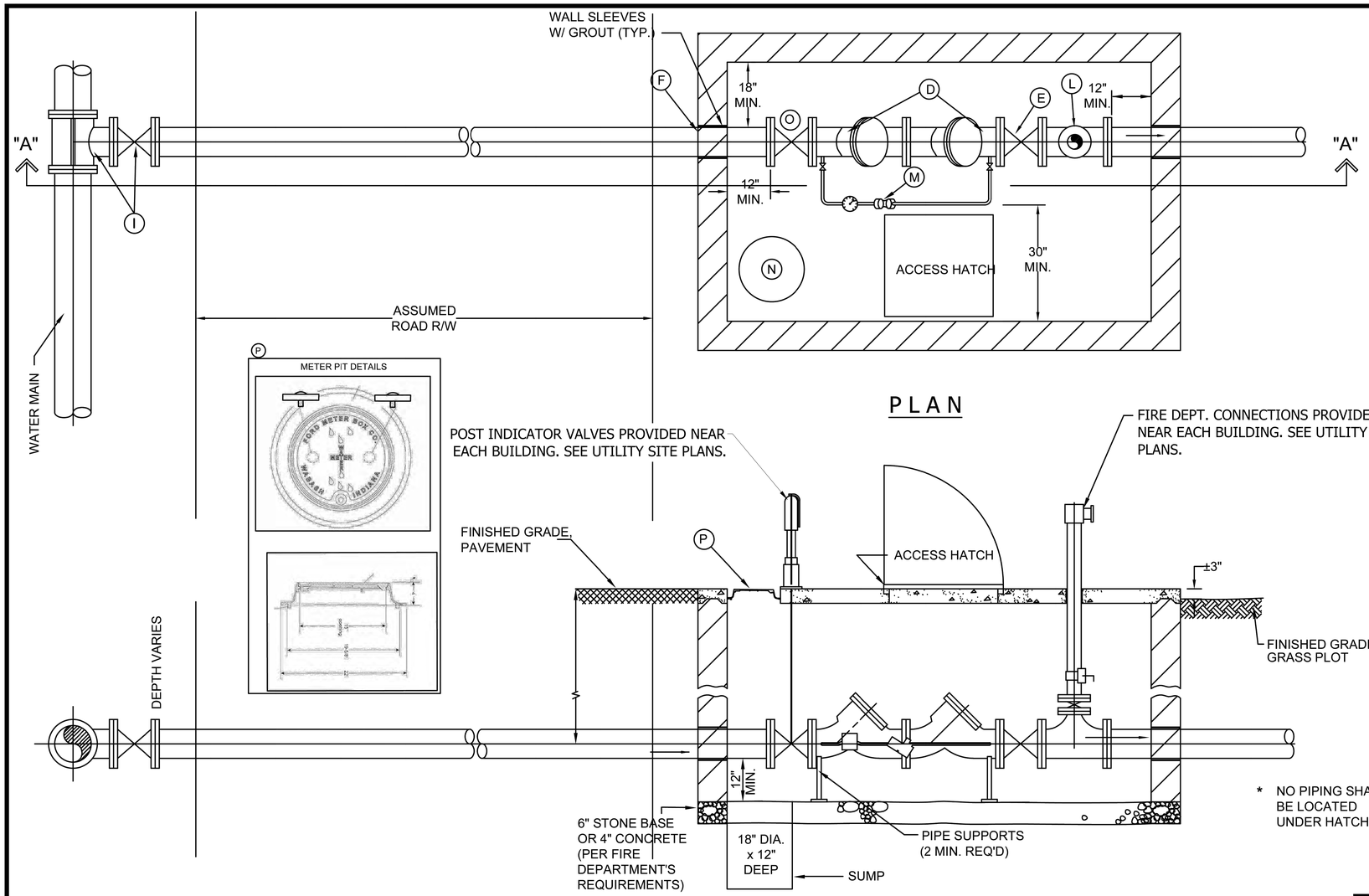
DRAWING TITLE:
CONSTRUCTION DETAILS

C6.01



NOTES:

1. CUSTOMER SHALL FURNISH & INSTALL VAULT, INCLUDING ALL APPERTENCES EXCEPT AS NOTED BELOW.
2. VAULT CONSTRUCTION MATERIALS SHALL BE 8"x8"x16" CMU, OR PRECAST, OR CAST-IN-PLACE CONCRETE AT CUSTOMER'S SELECTION.
3. INSIDE DIMENSIONS PER DRAWING NOTES. VAULT TO BE SET LENGTHWISE WITH SERVICE.
4. TOP OF VAULT TO BE CONCRETE, AT LEAST 4" THICK WITH REINFORCING SUITABLE FOR ANTICIPATED LOADING. WHEN VAULT IS CONSTRUCTED IN PAVED AREAS, PAVEMENT IS TO BE LEVEL WITH TOP OF VAULT, AND THE TOP REINFORCED AS REQUIRED TO SUPPORT TRAFFIC LOADS (i.e. H-20 WHEEL LOADS). WHEN VAULT IS CONSTRUCTED IN GRASS PLOT, TOP OF VAULT SHALL BE 3" ABOVE FINISHED GRADE.
5. BOTTOM OF VAULT TO BE EITHER A MINIMUM OF 6" OF CRUSHED STONE OR 4" CONCRETE PER FIRE DEPARTMENT'S REQUIREMENT. MINIMUM CLEARANCE OF 12" BELOW BOTTOM OF FIRE SERVICE AND DOMESTIC SERVICE LINES IS REQUIRED.
6. DOUBLE CHECK DETECTOR ASSEMBLY SHALL BE A MODEL APPROVED BY THE INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, WITH FLANGED OS&Y GATE VALVE ON INLET & OUTLET SIDES. DETECTOR METER IS FURNISHED BY UTILITY AND INSTALLED BY CUSTOMER. STAINLESS STEEL BOLTS ARE REQUIRED.
7. ACCESS HATCH IN TOP OF VAULT SHALL BE 30"x30" ALUMINUM BILCO J-2AL, BILCO PCM-2, HALLIDAY W1S3030 OR EQUAL. ACCESS HATCH SHALL HAVE SAME OR GREATER LOADING CAPACITY AS VAULT LID. PIPE HATCH FRAME DRAIN TO VAULT FLOOR OR SUMP, AS APPLICABLE. IF THE LOCAL FIRE DEPARTMENT REQUIRES A SUMP PUMP IN THE VAULT, ELECTRICAL DISCONNECT IS REQUIRED ON TOP OF VAULT, INSTALLED ABOVE GRADE, PER LOCAL ELECTRICAL CODE.
8. A SEPARATE METER PIT/VAULT WILL BE USED FOR DOMESTIC METERS. DISTRICT TO PROVIDE PIT/VAULT DETAILS.
   a. CUSTOMER SHALL FURNISH BALL VALVES ON BOTH SIDES OF THE DOMESTIC METER SETTING.
   b. A 2" TEST PLUG SHALL BE INSTALLED AT LEAST 2 PIPE DIAMETERS DOWNSTREAM OF 2" OR LARGER METERS.
   c. DETECTOR METER TO BE LOCATED A MAXIMUM 18" FROM HINGE SIDE OF HATCH.
9. AS DIRECTED BY LOCAL OPERATIONS, ADDITIONAL PIPE SUPPORTS MAY BE REQUIRED.
10. THE LID AND RING THAT WILL BE REQUIRED IS FORD A53-TT OR FORD A53-T. THE A53-TT WILL BE USED FOR ALL VAULTS WITH THE DOMESTIC METER INSIDE. THE A53-T WITH BE USED FOR ALL VAULTS WITH THE DCDA ONLY LOCATED INSIDE THE VAULT.

LEGEND

A	NOT USED	H	NOT USED
B	NOT USED	I	NOT USED
C	NOT USED	J	NOT USED
D	DOUBLE CHECK DETECTOR ASSEMBLY	K	NOT USED
E	FLANGED OS & Y VALVE	L	NOT USED
F	FIRE LINE	M	NOT USED
G	NOT USED	N	SUMP PIT
		O	NOT USED

P SUMP PUMP LID

INDIANA AMERICAN WATER

SCALE: NO SCALE

REVISIONS

LONG SIDE VAULT DETAIL

STANDARD FIRE SERVICE VAULT

DRAWN BY:	DATE:	CHECKED:	
R.K.B.	2/2017	AC	1 of 1
AUTOCAD FILE: FS-VAULT-LONG SHORT SIDE.DWG		APPROVED:	

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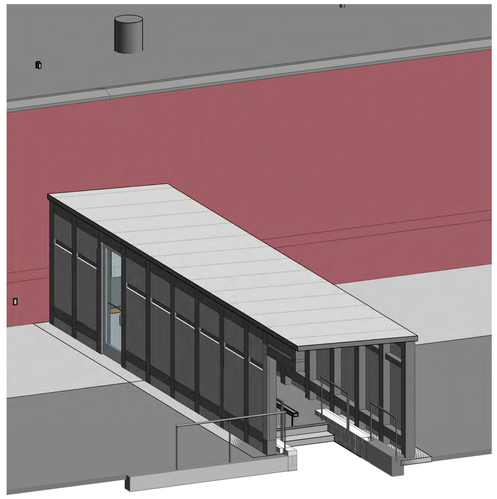
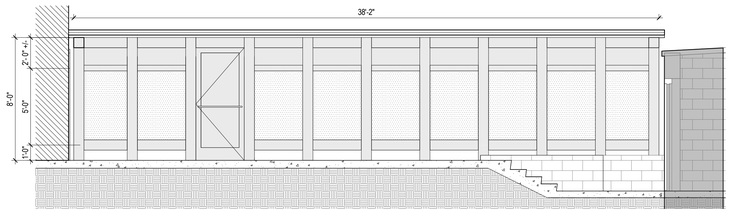
CONSTRUCTION DETAILS

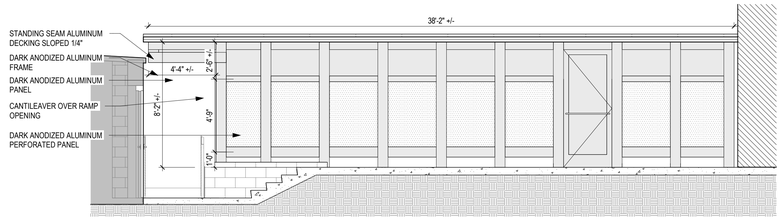
C6.03



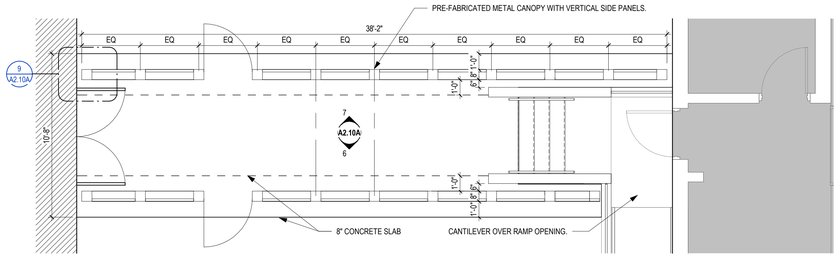
8 A2.10A SOFTBALL COVERED WALKWAY



7 A2.10A SOFTBALL WALKWAY ELEVATION - NORTH
1/4" = 1'-0"



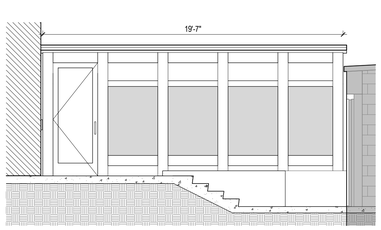
6 A2.10A SOFTBALL WALKWAY ELEVATION - SOUTH
1/4" = 1'-0"



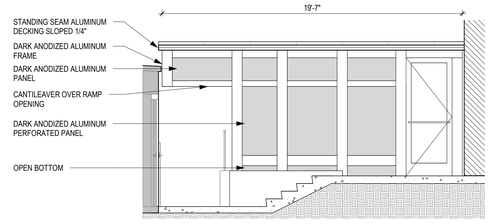
2 A2.10A SOFTBALL ENLARGED PLAN - CONNECTION CANOPY
1/4" = 1'-0"

3 A2.10A BASEBALL COVERED WALKWAY

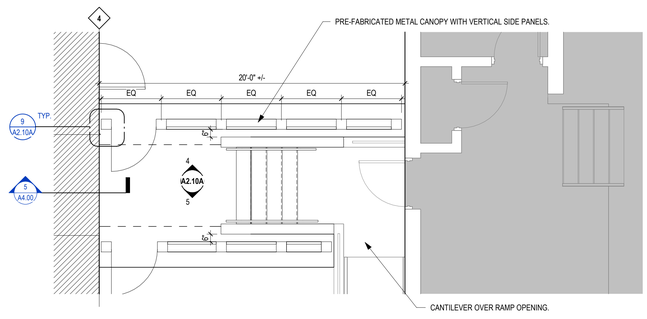
9 A2.10A FOUNDATION DETAIL
1/2" = 1'-0"



4 A2.10A BASEBALL WALKWAY ELEVATION - NORTH
1/4" = 1'-0"



5 A2.10A BASEBALL WALKWAY ELEVATION - SOUTH
1/4" = 1'-0"



1 A2.10A BASEBALL ENLARGED PLAN - CONNECTION CANOPY
1/4" = 1'-0"

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PRELIMINARY
NOT FOR CONSTRUCTION

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NO.	DATE	ISSUED / REVISION
1	12/15/2025	ADDENDUM 2
2	01/09/2026	ADDENDUM 3

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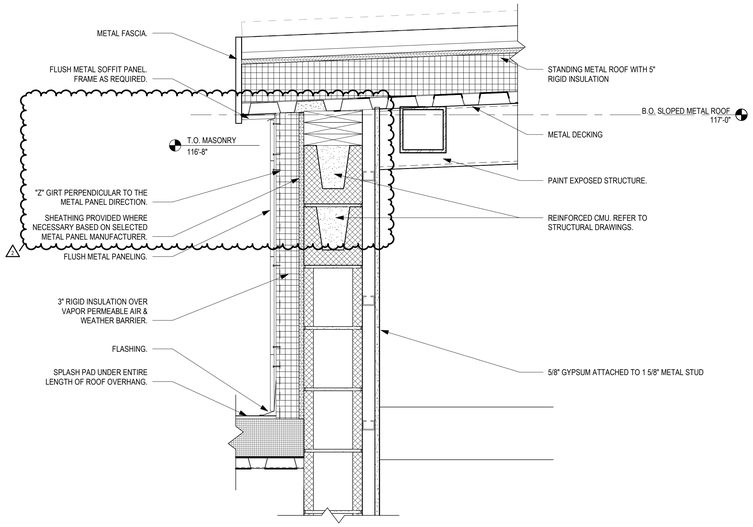
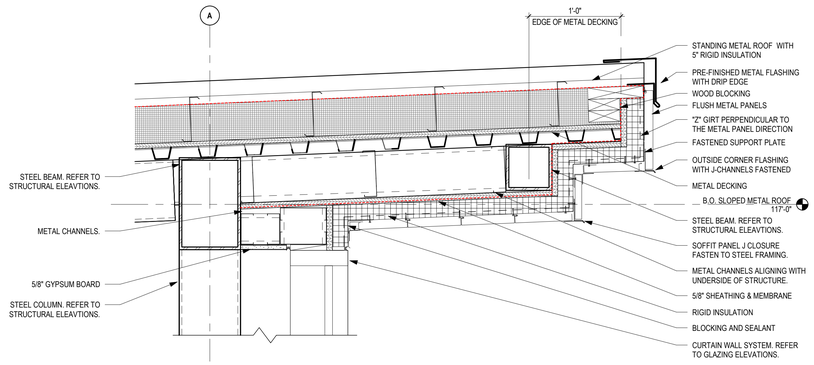
DRAWING TITLE:
ALTERNATE 1 - BASEBALL & SOFTBALL CONNECTION △

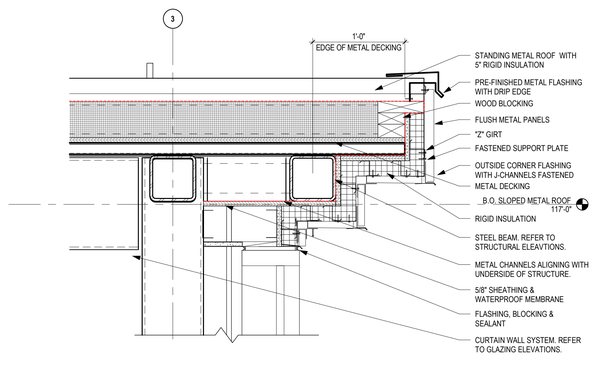
A2.10A



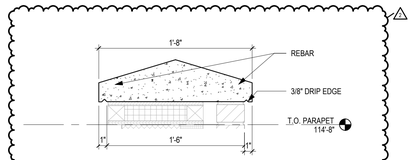
12 A4.01 **SECTION DETAIL - LOBBY ROOF**
1 1/2" = 1'-0"



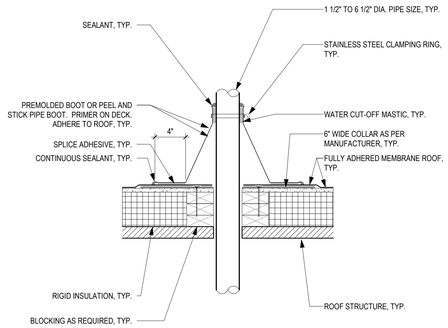
11 A4.01 **SECTION DETAIL - LOBBY ROOF ENTRANCE**
1 1/2" = 1'-0"



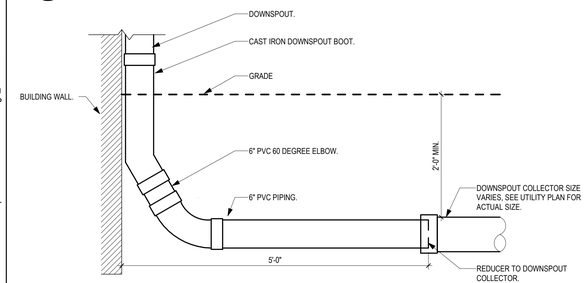
10 A4.01 **SECTION DETAIL - LOBBY ROOF SIDE**
1 1/2" = 1'-0"



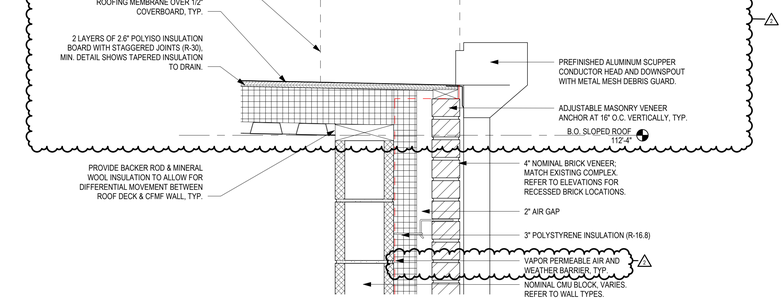
9 A4.01 **DETAIL - PRECAST COPING**
1 1/2" = 1'-0"



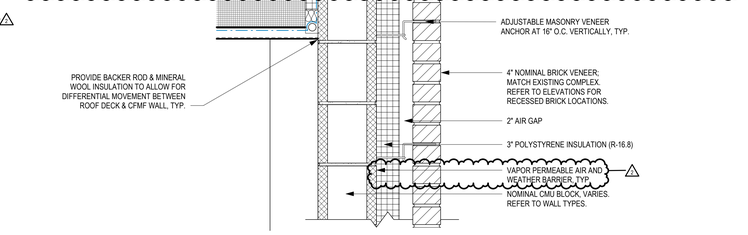
8 A4.01 **STANDARD VENT STACK DETAIL**
1 1/2" = 1'-0"



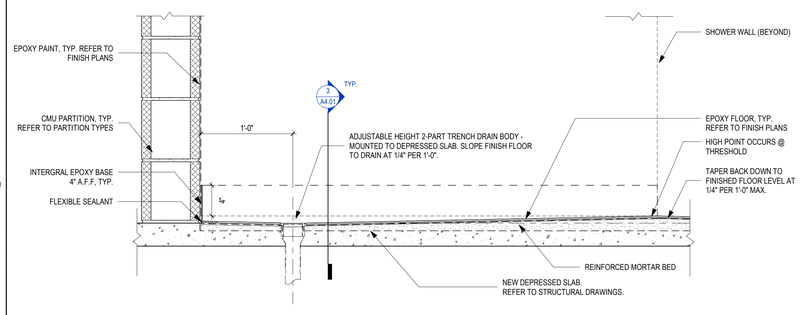
7 A4.01 **DOWNSPOUT BOOT DETAIL**
1" = 1'-0"



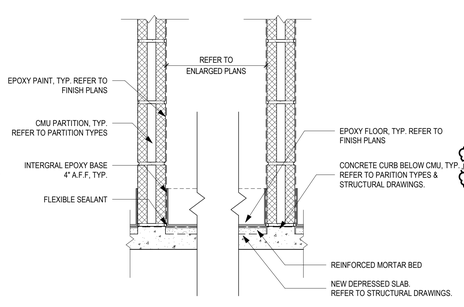
6 A4.01 **DETAIL - SCUPPER**
1 1/2" = 1'-0"



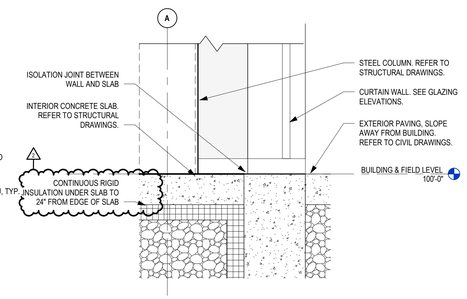
5 A4.01 **DETAIL - ROOF PARAPET**
1 1/2" = 1'-0"



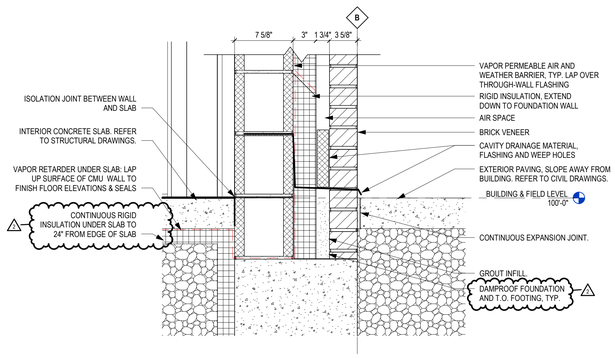
4 A4.01 **TYP. SHOWER BASE DETAIL**
1 1/2" = 1'-0"



3 A4.01 **TYP. SHOWER CURB DETAIL**
1 1/2" = 1'-0"



2 A4.01 **TYP. FOUNDATION DETAIL @ CW**
1 1/2" = 1'-0"



1 A4.01 **TYP. FOUNDATION DETAIL**
1 1/2" = 1'-0"

DRAWINGS REFERENCE FFE = 100'-0" FOR EACH BUILDING. ACTUAL CIVIL ELEVATIONS ARE: BASEBALL FFE = 943.20' & SOFTBALL FFE = 943.70'.

MSA SPORT
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PRELIMINARY
NOT FOR CONSTRUCTION

BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

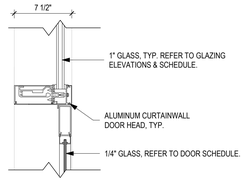
BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306

NO.	DATE	ISSUED / REVISION
C	11/21/2025	BID/PERMIT SET
1	12/15/2025	ADDENDUM 2
2	01/09/2026	ADDENDUM 3

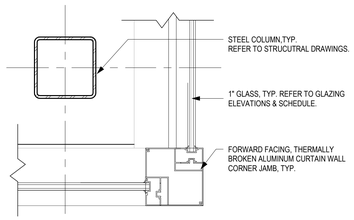
PROJECT NO. **24104.00**

DRAWING TITLE:
SECTION DETAILS

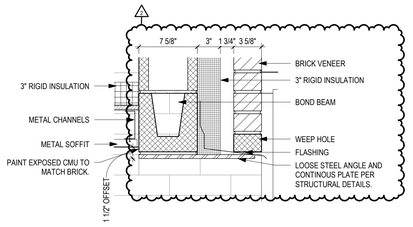
A4.01



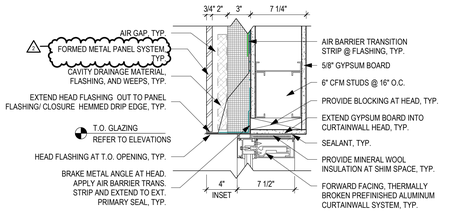
21 A6.01 **CURTAINWALL DOOR HEAD DETAIL**
1 1/2" = 1'-0"



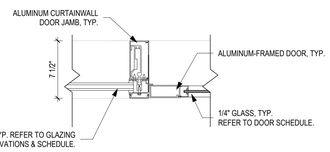
20 A6.01 **CURTAINWALL TYP. CORNER JAMB DETAIL**
1 1/2" = 1'-0"



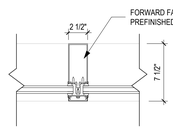
19 A6.01 **EXTERIOR - DOOR HEAD DETAIL**
1 1/2" = 1'-0"



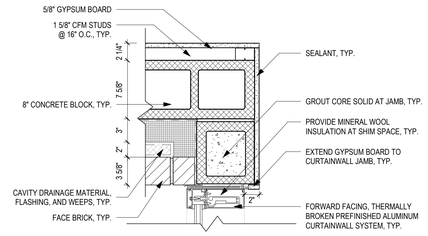
18 A6.01 **CURTAINWALL TYP. HEAD DETAIL**
1 1/2" = 1'-0"



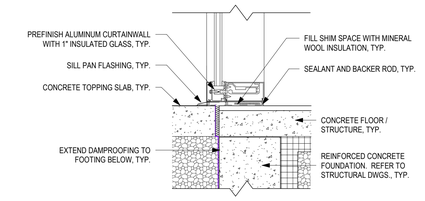
17 A6.01 **CURTAINWALL DOOR JAMB DETAIL**
1 1/2" = 1'-0"



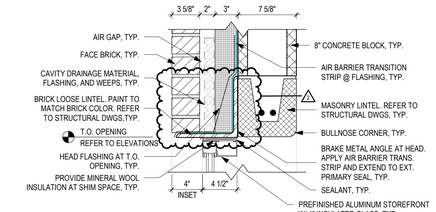
16 A6.01 **CURTAINWALL TYP. JAMB DETAIL**
1 1/2" = 1'-0"



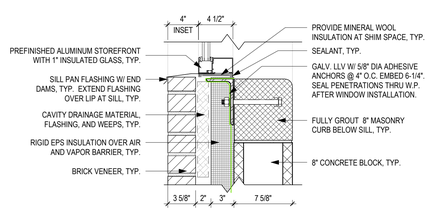
15 A6.01 **CURTAINWALL TYP. JAMB DETAIL**
1 1/2" = 1'-0"



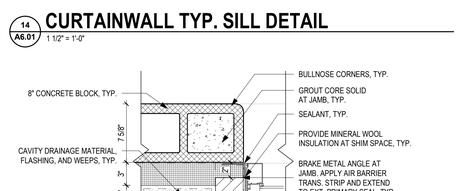
14 A6.01 **CURTAINWALL TYP. SILL DETAIL**
1 1/2" = 1'-0"



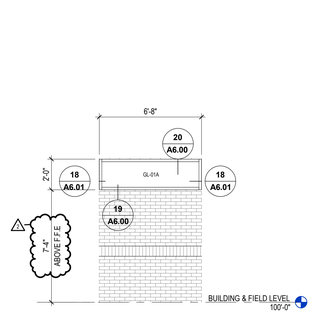
13 A6.01 **STOREFRONT TYP. HEAD DETAIL**
1 1/2" = 1'-0"



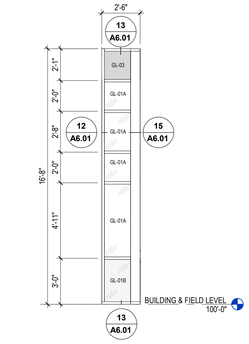
12 A6.01 **STOREFRONT TYP. SILL DETAIL**
1 1/2" = 1'-0"



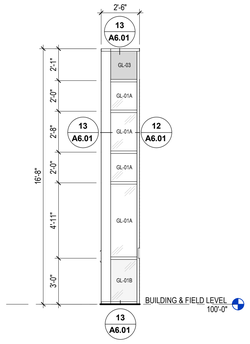
11 A6.01 **STOREFRONT TYP. JAMB DETAIL**
1 1/2" = 1'-0"



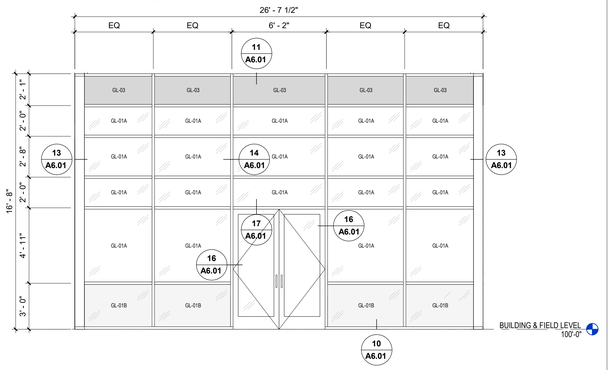
10 A6.01 **BOTH BUILDINGS - EXTERIOR SF-2**
1/4" = 1'-0"



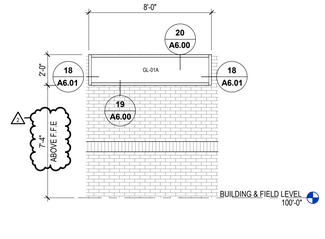
9 A6.01 **SOFTBALL - EXTERIOR CW-6**
1/4" = 1'-0"



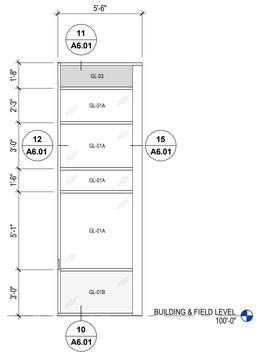
8 A6.01 **SOFTBALL - EXTERIOR CW-5**
1/4" = 1'-0"



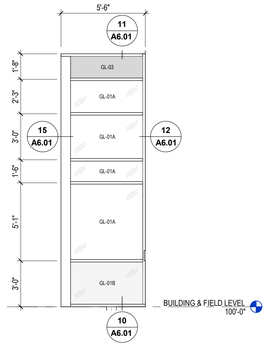
7 A6.01 **SOFTBALL BUILDING - EXTERIOR CW-4**
1/4" = 1'-0"



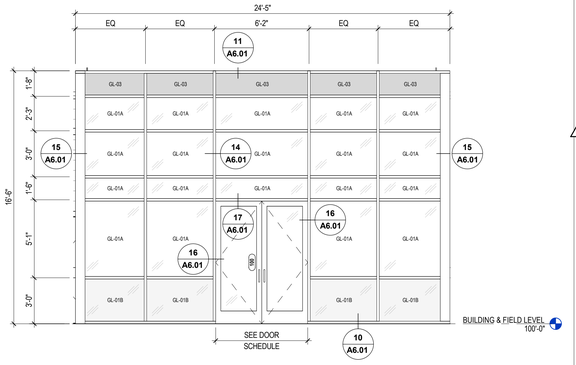
6A A6.01 **BOTH BUILDINGS - EXTERIOR SF-1**
1/4" = 1'-0"



5 A6.01 **BASEBALL - EXTERIOR CW-3**
1/4" = 1'-0"



4 A6.01 **BASEBALL - EXTERIOR CW-2**
1/4" = 1'-0"



3 A6.01 **BASEBALL BUILDING - EXTERIOR CW-1**
1/4" = 1'-0"

DRAWINGS REFERENCE FFE = 100'-0" FOR EACH BUILDING. ACTUAL CIVIL ELEVATIONS ARE: BASEBALL FFE = 943.20' & SOFTBALL FFE = 943.70'.

DOOR SCHEDULE - BASEBALL BUILDING

#	ROOM	WIDTH	HEIGHT	DOOR LEAF TYPE	DOOR LEAF MATERIAL	DOOR LEAF FINISH	GLAZING TYPE	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME DETAILS HEAD / JAMB	DOOR HARDWARE #	ACCESS CONTROL	COMMENTS
100	ALUMNI LOBBY	6'-0"	8'-0"	D4	ALUM	ANOD	GL-03	F1	ALUM	ANOD	2/A6.01	SET 001	Yes	
101A	VEST.	6'-4"	7'-0"	D4	ALUM	ANOD	GL-05	F2	ALUM	ANOD	1/A6.01	SET 003	Yes	
101B	PLAYERS LOCKER ROOM	6'-0"	7'-0"	D3	ALUM	ANOD		F2	ALUM	ANOD	1/A6.01	SET 015	No	HOLD OPEN
101C	JAN.	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 013	No	
102	INDIV. RR	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 005	No	3/4" UNDERCUT
103A	COACHES WORKSPACE	3'-0"	7'-0"	D2	ALUM	ANOD	GL-04	F2	ALUM	ANOD	1/A6.01	SET 014	Yes	
103B	COACHES WORKSPACE	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 006	No	
103C	INDIV. RR	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 005	No	3/4" UNDERCUT
103D	INDIV. RR	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 005	No	3/4" UNDERCUT
104	FLEX ROOM	3'-0"	7'-0"	D2	ALUM	ANOD	GL-04	F2	ALUM	ANOD	1/A6.01	SET 007	No	
105	IT ROOM	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 012	No	
106A	PLAYERS LOUNGE	3'-0"	7'-0"	D2	ALUM	PT	GL-04	F2	ALUM	PT	1/A6.01	SET 011	No	
107	SATELLITE P.T. ROOM	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 011	No	
108	CORRIDOR	6'-0"	7'-0"	D4	ALUM	PT	GL-03	F2	ALUM	PT	2/A6.01	SET 004	Yes	PIN PAD
109A	EQUIP. & STORAGE	6'-0"	7'-0"	D3	HM	PT		F2	HM	PT	1/A6.01	SET 016	No	
109B	EQUIP. & STORAGE	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	2/A6.01	SET 017	No	
110	MECH / ELEC	4'-0"	7'-0"	D1	HM	PT		F2	HM	PT	2/A6.01	SET 019	No	PANIC BAR
112	UMPIRE LOCKERS	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	2/A6.01	SET 017	No	
112A	INDIV. RR	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 005	No	3/4" UNDERCUT

DOOR SCHEDULE - SOFTBALL BUILDING

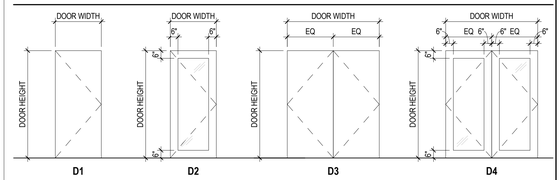
#	ROOM	WIDTH	HEIGHT	DOOR LEAF TYPE	DOOR LEAF MATERIAL	DOOR LEAF FINISH	GLAZING TYPE	FRAME TYPE	FRAME MATERIAL	FRAME FINISH	FRAME DETAILS HEAD / JAMB	DOOR HARDWARE #	ACCESS CONTROL	COMMENTS
200	ALUMNI LOBBY	6'-0"	7'-10"	D4	ALUM	ANOD	GL-03	F1	ALUM	ANOD	2/A6.01	SET 002	Yes	
201A	VEST.	6'-4"	7'-0"	D4	ALUM	ANOD	GL-04	F2	ALUM	ANOD	1/A6.01	SET 003	Yes	
201B	PLAYERS LOCKER ROOM	3'-0"	7'-0"	D1	HM	PT		F1	HM	ANOD	1/A6.01	SET 009		HOLD OPEN
201C	PLAYERS RR & SHOWERS	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 013		
201D	STOR.	3'-0"	7'-0"	D1	HM	PT		F1	HM	PT	1/A6.01	SET 008		
202	INDIV. RR	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 005		3/4" UNDERCUT
203	COACHES LOCKERS	3'-0"	7'-0"	D1	ALUM	PT		F2	ALUM	ANOD	1/A6.01	SET 014	Yes	
203A	INDIV. RR	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 005		3/4" UNDERCUT
203B	INDIV. CHANGING	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 005		3/4" UNDERCUT
204	FLEX ROOM	3'-0"	7'-0"	D2	ALUM	PT	GL-04	F2	ALUM	ANOD	1/A6.01	SET 007		
205A	CORRIDOR	3'-0"	7'-0"	D2	ALUM	PT	GL-05	F2	ALUM	ANOD	1/A6.01	SET 011		
205B	PLAYERS LOUNGE	3'-0"	7'-0"	D1	HM	PT		F2	HM	ANOD	1/A6.01	SET 010		HOLD OPEN
206	SATELLITE P.T.	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 011	No	
207	CORRIDOR	6'-4"	7'-0"	D4	ALUM	ANOD	GL-03	F2	ALUM	ANOD	2/A6.01	SET 004	Yes	PIN PAD
208	IT ROOM	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 012		
209	EQUIP. & STORAGE	3'-0"	7'-0"	D1	HM	PT		F2	HM	PT	1/A6.01	SET 014	Yes	
210	MECH / ELEC	4'-0"	7'-0"	D3	HM	PT		F2	HM	PT	2/A6.01	SET 019		PANIC BAR
212	EQUIP. & STORAGE	6'-0"	7'-0"	D3	HM	PT		F2	HM	PT	2/A6.01	SET 018	Yes	REMOVEABLE MULLION

GLAZING SCHEDULE

GLAZING TYPE	DESCRIPTION	COMMENTS
GL-01A	EXTERIOR INSULATED GLAZING, LOW-E	1" THICK (2 PANES 1/4" TEMPERED GLASS & 1/2" AIR SPACE)
GL-01B	EXTERIOR INSULATED GLAZING, LOW-E W/ FROSTED FINISH	1" THICK (2 PANES 1/4" TEMPERED GLASS & 1/2" AIR SPACE) W/ FROSTED FINISH
GL-02	SPANDREL GLASS	
GL-03	EXTERIOR INSULATED LAMINATED GLAZING, LOW-E	1" THICK (1 PANE 1/4" LAMINATED GLASS, 1 PANE 1/4" TEMPERED GLASS & 1/2" AIR SPACE)
GL-04	INTERIOR TEMPERED GLASS	1/4" THICK TEMPERED GLASS
GL-05	INTERIOR TEMPERED GLASS W/ FROSTED FINISH	1/4" THICK TEMPERED GLASS W/ FROSTED FINISH

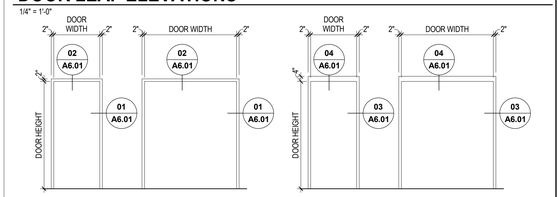
ADDITIONAL ABBREVIATIONS:

ALUM	- ALUMINUM	HM	- HOLLOW METAL	WD	- WOOD
ANOD	- ANODIZED	HPC	- HIGH-PERFORMANCE COATING	PT	- PAINT
GHM	- GALVANIZED HOLLOW METAL	SCW	- SOLID CORE WOOD	ST	- STAIN
		HCW	- HOLLOW CORE WOOD	SS	- STAINLESS STEEL



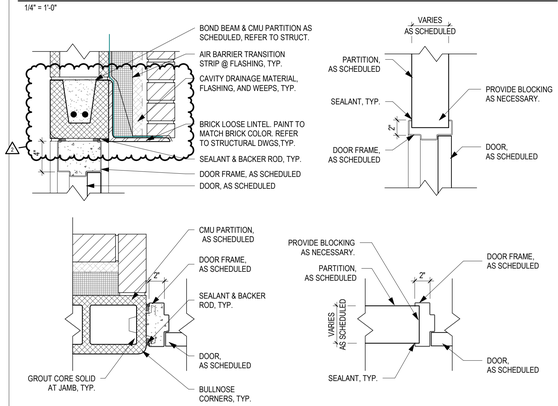
DOOR LEAF ELEVATIONS

1/4" = 1'-0"



DOOR FRAME ELEVATIONS

1/4" = 1'-0"



2 A6.01 **HEAD & JAMB - EXTERIOR**
1 1/2" = 1'-0"

1 A6.01 **HEAD & JAMB - INTERIOR**
1 1/2" = 1'-0"

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PRELIMINARY
NOT FOR CONSTRUCTION

BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

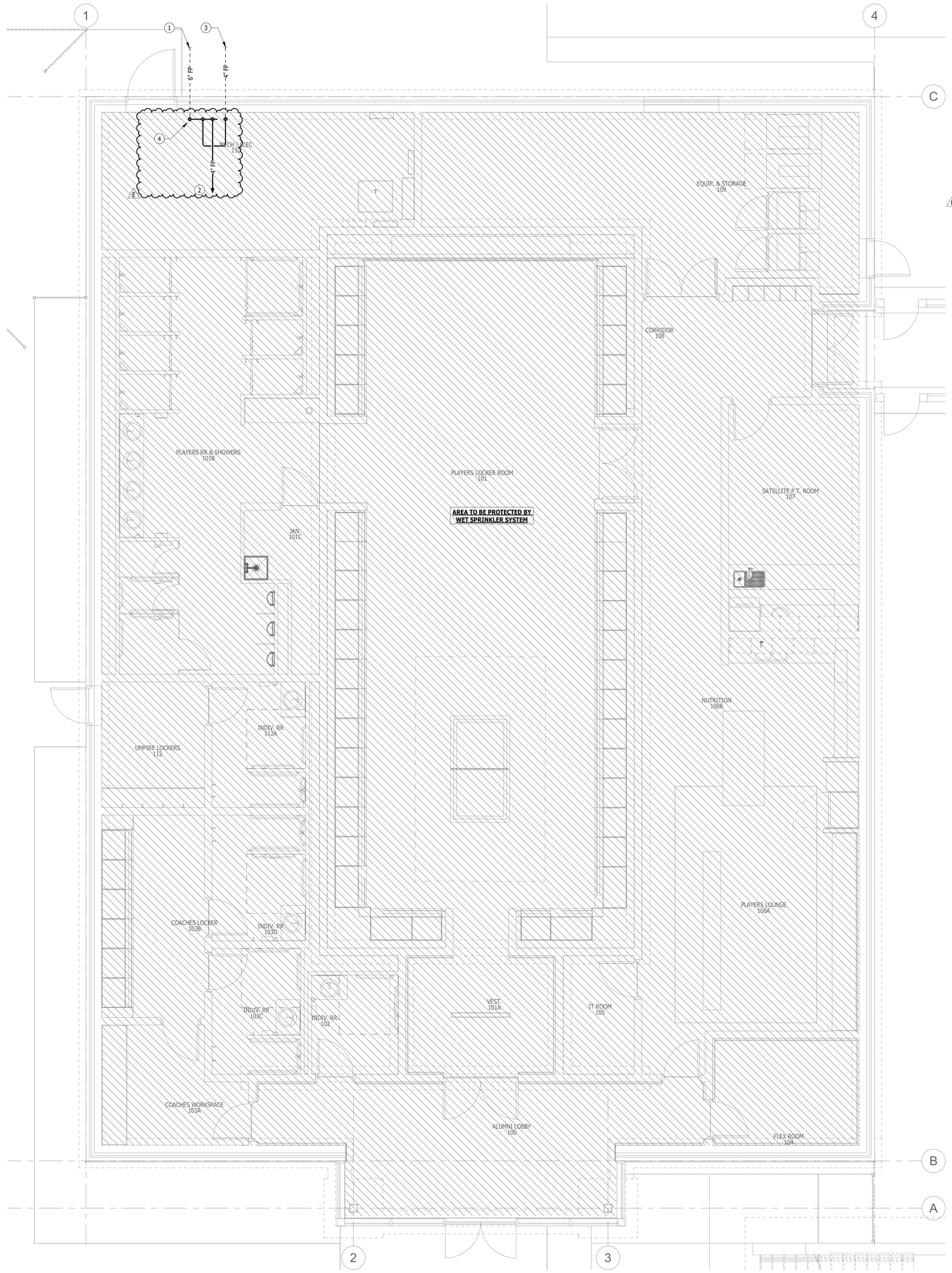
BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306

NO.	DATE	ISSUED / REVISION
B	06/27/2025	DD SET
C	11/21/2025	BID/PERMIT SET
1	12/15/2025	ADDENDUM 2
2	01/09/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
DOOR SCHEDULE & STOREFRONT ELEVATIONS

A6.01



GENERAL NOTES:

A. REFER TO SHEET MP0.00 FOR FP LEGEND AND ABBREVIATIONS.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO DETERMINE ALL OBSTRUCTIONS REQUIRING ADDITIONAL COVERAGE PER NFPA REQUIREMENTS.

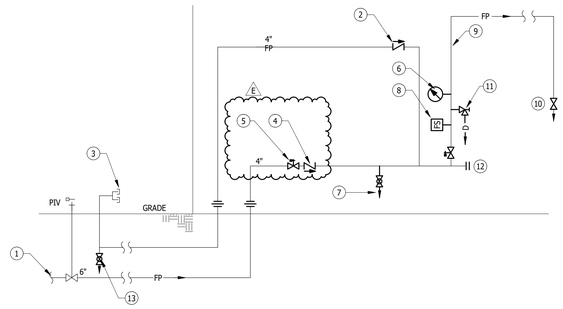
C. SPRINKLER PIPING SHALL NOT BE LOCATED DIRECTLY ABOVE ELECTRICAL EQUIPMENT.

PLAN NOTES:

1. SEE SITE UTILITY PLAN FOR CONTINUATION
2. TO WET SPRINKLERS
3. FP DOWN BELOW FLOOR TO FDC. REFER TO SITE UTILITY PLAN. COORDINATE EXACT TYPE AND LOCATION WITH FIRE DEPARTMENT.
4. 4" FP SERVICE ENTRANCE. SEE DETAIL 2/FP2.01B

DETAIL NOTES:

1. 6" FIRE SERVICE. REFER SITE UTILITY DRAWINGS.
2. CHECK VALVE.
3. PEDESTAL TYPE FDC. COORDINATE LOCATION WITH SITE CIVIL PLAN.
4. ALARM CHECK VALVE.
5. OS&Y GATE VALVE W/ SUPERVISORY SWITCH, TYP.
6. PRESSURE GAUGE, TYP.
7. 2" MAIN DRAIN. DISCHARGE EXTERIOR TO BUILDING WITH CONCRETE SPLASH BLOCK.
8. FLOW SWITCH, TYP.
9. TO WET SPRINKLER SYSTEM.
10. TEST VALVE AT MOST HYDRAULICALLY REMOTE LOCATION. PIPE DISCHARGE TO BUILDING EXTERIOR WITH CONCRETE SPLASH BLOCK.
11. DRAIN VALVE. PIPE TO FD, TYP.
12. BLIND FLANGE
13. BALL DRIP VALVE. SURROUND WITH 1 C.Y. CRUSHED STONE AND GEOTEXTILE FABRIC.



2 FP2.01B **FIRE SUPPRESSION SCHEMATIC - BASEBALL**
NOT TO SCALE

1 FP2.01B **FIRST FLOOR FIRE PROTECTION PLAN - BASEBALL BUILDING**
1/4" = 1'-0"

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

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C	11/21/2025	BID/PERMIT SET
E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
FIRST FLOOR FIRE PROTECTION PLAN - BASEBALL BUILDING

FP2.01B

GENERAL NOTES:

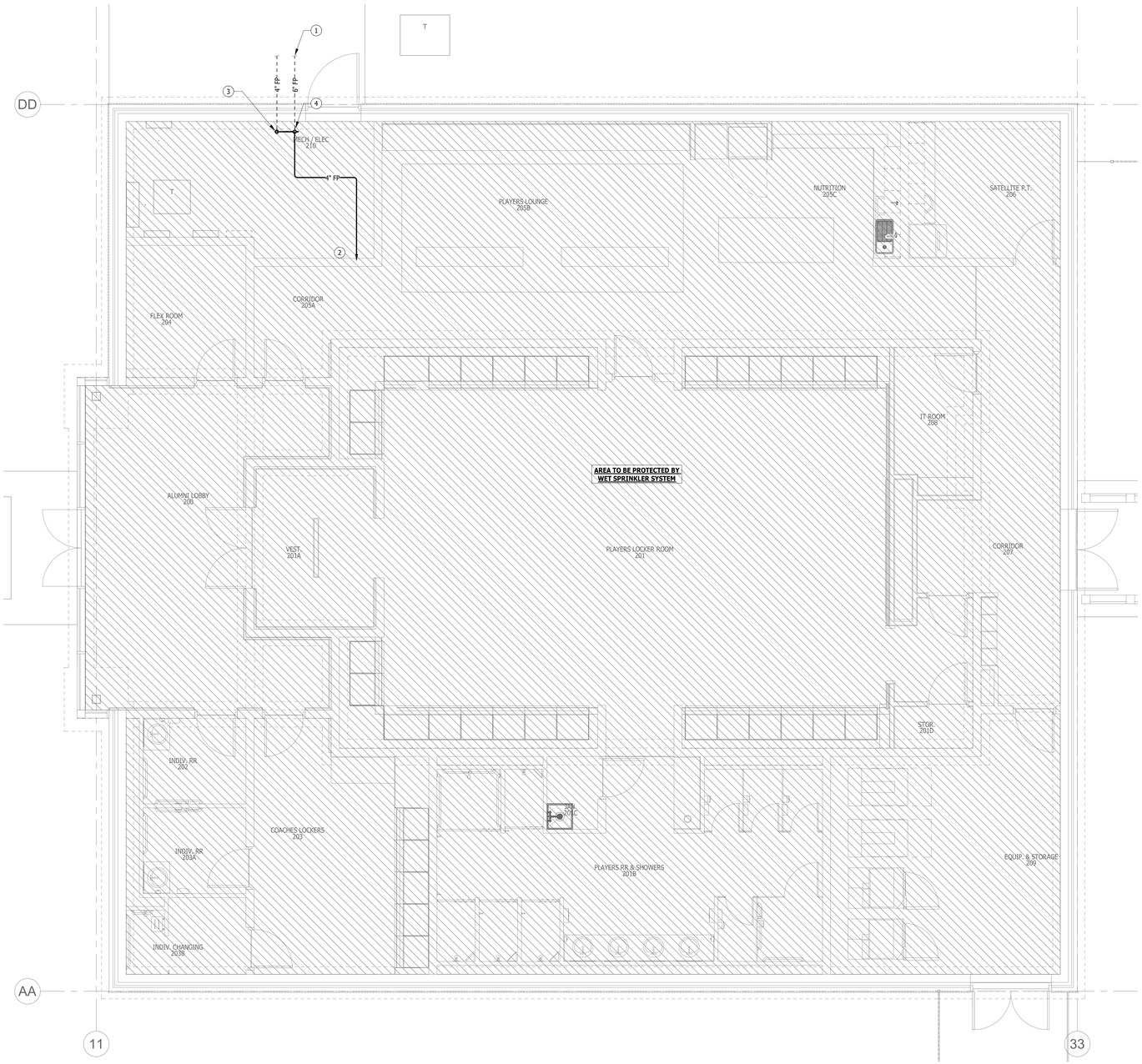
A. REFER TO SHEET MP0.00 FOR FP LEGEND AND ABBREVIATIONS.

B. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH OTHER TRADES TO DETERMINE ALL OBSTRUCTIONS REQUIRING ADDITIONAL COVERAGE PER NFPA REQUIREMENTS.

C. SPRINKLER PIPING SHALL NOT BE LOCATED DIRECTLY ABOVE ELECTRICAL EQUIPMENT.

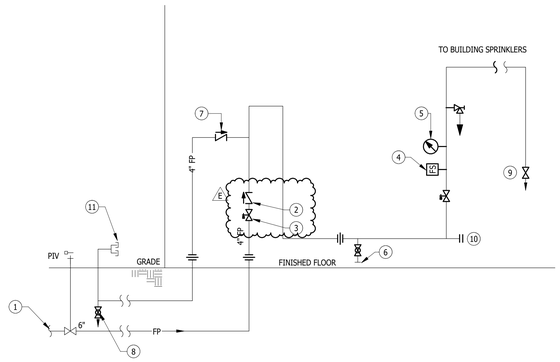
PLAN NOTES:

1. SEE SITE UTILITY PLAN FOR CONTINUATION
2. TO WET SPRINKLERS
3. FP DOWN BELOW FLOOR TO PEDESTAL TYPE FDC. REFER TO SITE UTILITY PLAN. COORDINATE EXACT TYPE AND LOCATION WITH FIRE DEPARTMENT.
4. 4" FP SERVICE ENTRANCE. SEE DETAIL 2/FP2.01B



NOTES:

1. 6" FIRE SERVICE
2. ALARM CHECK VALVE
3. VALVE SUPERVISORY SWITCH, TYP.
4. FLOW SWITCH, TYP.
5. PRESSURE GAUGE, TYP.
6. 2" MAIN DRAIN. PIPE TO BUILDING EXTERIOR. PROVIDE CONCRETE SPLASH BLOCK.
7. CHECK VALVE.
8. BALL DRIP VALVE. SURROUND WITH 1 C.Y. CRUSHED STONE AND GEOTEXTILE FABRIC.
9. TEST VALVE AT MOST HYDRAULICALLY REMOTE LOCATION. PIPE DISCHARGE TO BUILDING EXTERIOR WITH CONCRETE SPLASH BLOCK.
10. BLIND FLANGE.
11. PEDESTAL TYPE FDC. COORDINATE LOCATION WITH SITE CIVIL PLAN.



2 FP2.01S **FIRE PROTECTION SCHEMATIC - SOFTBALL**
NOT TO SCALE

1 FP2.01S **FIRST FLOOR FIRE PROTECTION PLAN - SOFTBALL BUILDING**
1/4" = 1'-0"

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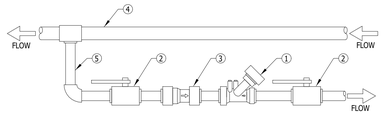
PROJECT NO. **24104.00**

DRAWING TITLE:
FIRST FLOOR FIRE PROTECTION PLAN - SOFTBALL BUILDING

FP2.01S

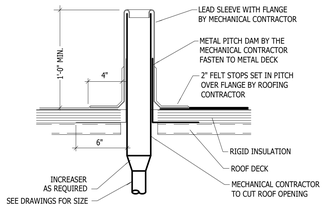
KEYED NOTES:

1. MANUAL BALANCING VALVE, APPROVED FOR USE WITH POTABLE WATER. ADJUST FLOW TO 1 GPM.
2. QUARTER-TURN, FULL-PORT BALL VALVE
3. CHECK VALVE ASSEMBLY
4. BRANCH SUPPLY PIPE
5. RETURN PIPE TO RECIRCULATING PUMP.



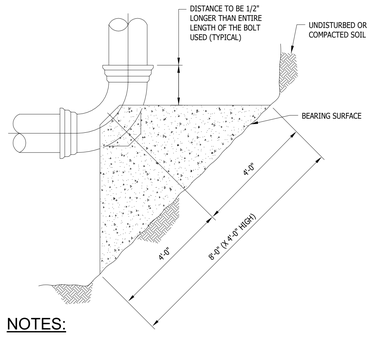
4 P5.00 DOMESTIC BALANCING STATION DETAIL

NOT TO SCALE



3 P5.00 VENT THROUGH ROOF DETAIL

NOT TO SCALE

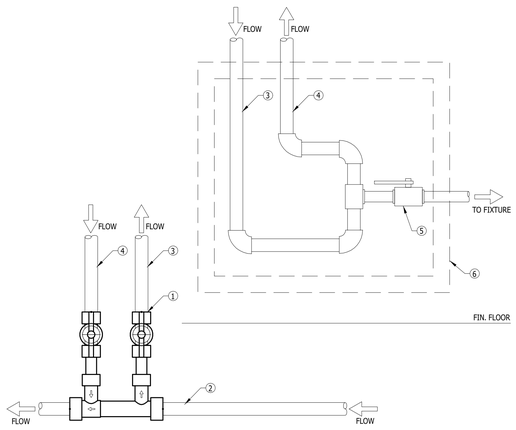


NOTES:

1. BLOCKING SHALL BE POURED AFTER POLYETHYLENE WRAP IS IN PLACE.
2. BLOCKING SHALL BE INSPECTED AND APPROVED PRIOR TO BACKFILLING.
3. CONCRETE TO BE 3500 PSI.
4. THRUST BLOCKS TO BE PLACED AGAINST UNDISTURBED EARTH - USE ADDITIONAL CONCRETE AS REQUIRED FOR OVER EXCAVATION.
5. BLOCKING TO BE PLACED IN A MANNER SO THAT BOLTS CAN BE REMOVED WITHOUT DISTURBING THE BLOCK.

2 P5.00 THRUST BLOCK DETAIL

NOT TO SCALE



GENERAL NOTES:

1. USE OF A LOOP SYSTEM IN CONJUNCTION WITH A KEMPER FLOW SPLITTER MAINTAINS A FRESH RECYCLED SOURCE OF HOT AND COLD WATER TO ALLEVIATE BAD TASTE AND SMELL FROM STAGNATION IN THE PIPE AND ALSO MITIGATES THE BUILD-UP OF LEGIONELLA BACTERIA.
2. INSTALL FLOW SPLITTER IN ACCESSIBLE LOCATION AS WITH ANY OTHER VALVED DEVICE.
3. MAY BE INSTALLED ON COLD WATER DOMESTIC PIPES OR HOT WATER DOMESTIC PIPES TO A MAX. OPERATING TEMP OF 194°F.

KEYED NOTES:

1. KEMPER FLOW SPLITTER ASSEMBLY WITH INTEGRAL QUARTER-TURN VALVES.
2. BRANCH OR MAIN SUPPLY PIPE.
3. LOOP SUPPLY PIPE.
4. LOOP RETURN PIPE.
5. QUARTER TURN, FULL-PORT BALL VALVE.
6. FLUSH-MOUNTED METAL ACCESS DOOR.

1 P5.00 FLOW SPLITTER ASSEMBLY DETAIL

NOT TO SCALE

ELECTRIC WATER HEATER SCHEDULE

TAG	LOCATION	TANK CAP. (GAL)	RECOVERY @ 100° (GPH)	INPUT KW	ELECTRICAL DATA					MFG.	MODEL
					VOLTS	PH	HZ	AMPS	HP		
EWH-BB	MECHANICAL 111	119	123	30	480	3	60	36.1	-	AO SMITH	DRE-120-30
EWH-SB	MECHANICAL 206	119	123	30	480	3	60	36.1	-	AO SMITH	DRE-120-30

NOTES:
1. XXX.

THERMAL EXPANSION TANK SCHEDULE

TAG	SERVICE	TANK CAP. (GAL)	ACCEPTANCE CAP (GAL)	PRECHARGE PRESSURE (PSI)	MAX. PRESSURE (PSI)	TANK DIA. (IN)	TANK HT. (IN)	CONNECTION SIZE (IN)	SHIPPING WT. (LBS)	MFG.	MODEL
TXT-BB	DOMESTIC HW	6.6	4	40	125	12	21"	3/4"	52	TACO	PAX25-150
TXT-SB	DOMESTIC HW	6.6	4	40	125	12	21"	3/4"	52	TACO	PAX25-150

NOTES:
1. FLOOR-STANDING MODEL. DO NOT SUSPEND FROM PIPING.

BACKFLOW PREVENTER SCHEDULE

TAG	SERVICE	TYPE	SIZE	PSI DROP @ 50 GPM	STRAINER	MFG	MODEL
BFP-BB-1	DOMESTIC WATER	DCVA	1-1/4"	5	YES	WATTS	007M2-QT-LF
BFP-BB-2	DOMESTIC WATER	DCVA	2"	5.5	YES	WATTS	007M1-QT-LF
BFP-SB-1	DOMESTIC WATER	DCVA	1-1/4"	5	YES	WATTS	007M2-QT-LF
BFP-SB-2	DOMESTIC WATER	DCVA	2"	5.5	YES	WATTS	007M1-QT-LF

NOTES:
1. INSTALLED IN HORIZONTAL POSITION.
2. PROVIDE Y-TYPE STRAINER UPSTREAM OF BACKFLOW PREVENTER.

THERMOSTATIC MIXING VALVE SCHEDULE

TAG	SERVICE	FLOW CAPACITY @ 5 FPS (GPM)		PRESSURE DROP AT MAX FLOW (PSI)	PRESSURE DROP AT 10 GPM (PSI)	PRESSURE DROP AT 20 GPM (PSI)	CONNECTION SIZES				MFG.	MODEL	NOTES
		MIN	MAX				HW INLET SIZE (IN)	CW INLET SIZE (IN)	TEMPERED OUTLET (IN)	RECIRC INLET (IN)			
TMV-BB	DOMESTIC HOT WATER	0.25	36	25	4	8	3/4	3/4	1"	-	LEONARD	PNV-100-LF	1, 2, 3, 4, 5
TMV-SB	DOMESTIC HOT WATER	0.25	36	25	4	8	3/4	3/4	1"	-	LEONARD	PNV-100-LF	1, 2, 3, 4, 5

NOTES:
1. PROVIDE WALL SUPPORT.
2. PROVIDE SHUTOFF VALVES.
3. INTEGRAL DIGITAL THERMOMETER.
4. INTEGRAL CONTROLLER WITH BMS INTERFACE AT CLIENT REQUEST.
5. SYSTEM DESIGNED FOR OUTGOING TEMP TO BE 125°F.

HOT WATER CIRCULATING PUMP SCHEDULE

TAG	SERVICE	FLOW (GPM)	TDH (FT)	FLANGE SIZE (IN)	ELECTRICAL DATA					MFG.	MODEL	NOTES
					VOLTS	PH	HZ	AMPS	WATTS			
HWCP-BB-1	DOMESTIC HW	2	11	3/4"	120	1	60	0.54	44	TACO	007e3	1, 3
HWCP-BB-2	DOMESTIC HW	2	9.6	3/4"	120	1	60	0.54	44	TACO	007e3	2
HWCP-SB-1	DOMESTIC HW	2	10	3/4"	120	1	60	0.54	44	TACO	007e3	1, 3
HWCP-SB-2	DOMESTIC HW	2	8.5	3/4"	120	1	60	0.54	44	TACO	007e3	2

NOTES:
1. MAIN SYSTEM RECIRCULATION WITH AQUASTAT PROVIDED AND SET TO ACTIVATE AT 115°F.
2. LAUNDRY RECIRCULATION WITH AQUASTAT PROVIDED AND SET TO ACTIVATE AT 130°F.
3. SET EACH BALANCING VALVE ON THIS PUMP'S RETURN CIRCUIT TO 1 GPM.

DOMESTIC WATER SOFTENER SYSTEM SCHEDULE

TAG	LOCATION	INLET CONN. (IN.)	GRAINS OF CAPACITY			FLOW @ 15 PSI DROP (GPM)	FLOW @ 25 PSI DROP (GPM)	MAX. DRAIN FLOW (GPM)	MEDIA TANK DIA x H	BRINE TANK DIA x H	ELECTRICAL DATA				MFG.	MODEL	WEIGHTS (LBS.)	
			15 LB/CU.FT.	10 LB/CU.FT.	5 LB/CU.FT.						VOLTS	PH	HZ	AMPS			SHIPPED	CAPACITY
DWS-BB	MECHANICAL ROOM	1	32,000	24,000	20,000	12	15	2.2	10" x 49"	18" x 40"	120	1	60	0.5	AQUA SYSTEMS	GEN II 1" SERIES 100	<250	<320
DWS-SB	MECHANICAL ROOM	1	32,000	24,000	20,000	12	15	2.2	10" x 49"	18" x 40"	120	1	60	0.5	AQUA SYSTEMS	GEN II 1" SERIES 100	<250	<320

NOTES:
1. OPERATING WATER TEMP 40°F TO 100°F.
2. OPERATING PSI RANGE: 20 MIN., 125 MAX.
3. CHLORINE 1.0 mg/l MAX.

ACCESS DOOR SCHEDULE

TAG	LOCATION	SIZE (IN)	LATCHES	WEIGHT (LBS)	MFG. OR EQUAL	MODEL OR EQUAL
AD-1	203, 206	18 x 18	1	14	ACUDOOR	SF-2000
-	-	-	-	-	-	-

NOTES:
1. 16 GA. STEEL, FLUSH TO FRAME w/ ROUNDED SAFETY CORNERS AND A ONE PIECE OUTER FLANGE.
2. FRAME IS ONE PIECE OUTER FLANGE.
3. EXPOSED CONTINUOUS PIANO HINGE. 175 DEGREE OPEN ANGLE.
4. STAINLESS STEEL SCREWDRIVER OPERATOR CAM LATCH. LOCKING LATCH AS AN OPTION.
5. FINISH SHALL BE 5 STAGE IRON PHOSPHATE PREPARATION WITH WHITE ALKYD BAKED-ON ENAMEL.

PLUMBING FIXTURE ROUGH-IN SCHEDULE

DESCRIPTION	ROUGH-IN CONNECTIONS			
	HW	CW	WASTE	VENT
WATER CLOSET (TANK)	-	1/2"	3"	2"
WATER CLOSET (VALVE)	-	1"	3"	2"
URINAL	-	3/4"	2"	1-1/2"
LAVATORY	1/2"	1/2"	1-1/2"	1-1/2"
SINK	1/2"	1/2"	1-1/2"	1-1/2"
MOP BASIN	3/4"	3/4"	3"	1-1/2"
BATHTUB/SHOWER	1/2"	1/2"	2"	1-1/2"
CLOTHES WASHER ROUGH-IN	1/2"	1/2"	2"	1-1/2"
ELECTRIC WATER COOLER	-	1/2"	1-1/2"	1-1/2"
WALL HYDRANT/HOSE BIBB	-	3/4"	-	-
ICE MAKER ROUGH-IN	-	3/8"	-	-

WATER HAMMER ARRESTER SCHEDULE

TYPE	I.P.S.	FIXTURE UNIT RATING	MIFAB	WATTS	ZURN
WHA-A	3/4"	1-11	WHB-A	SS-AA	100
WHA-B	1"	12-32	WHB-B	SS-BB	200
WHA-C	1"	33-60	WHB-C	SS-CC	300
WHA-D	1"	61-113	WHB-D	SS-DD	400
WHA-E	1"	114-154	WHB-E	SS-EE	500
WHA-F	1"	155-330	WHB-F	-	600

NOTE:
1. PROVIDE SHUT-OFF VALVE.
2. P.D.I. CERTIFIED.
3. STAINLESS STEEL, BELLOWS-TYPE DESIGN.

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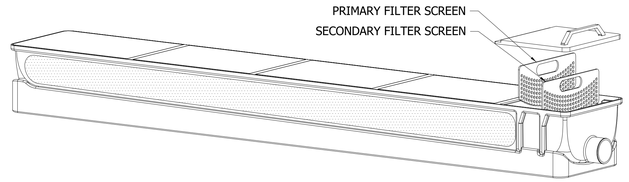
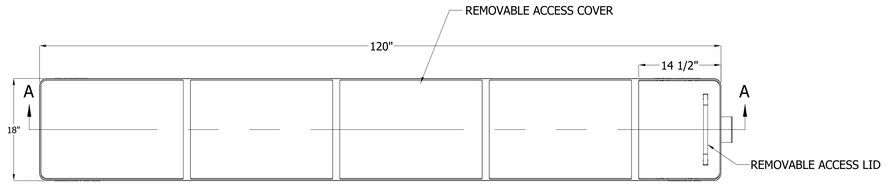
PROJECT NO. **24104.00**

DRAWING TITLE:
PLUMBING SCHEDULES & DETAILS

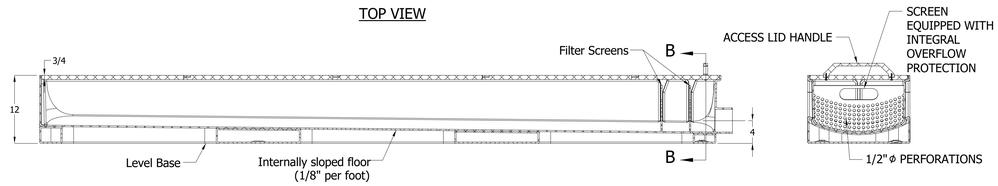
P5.00



NOTES
1. ALL INLET CONNECTIONS ARE FIELD INSTALLED.
2. FILTER SCREENS EQUIPPED WITH 1/2" ⌀ PERFORATIONS.

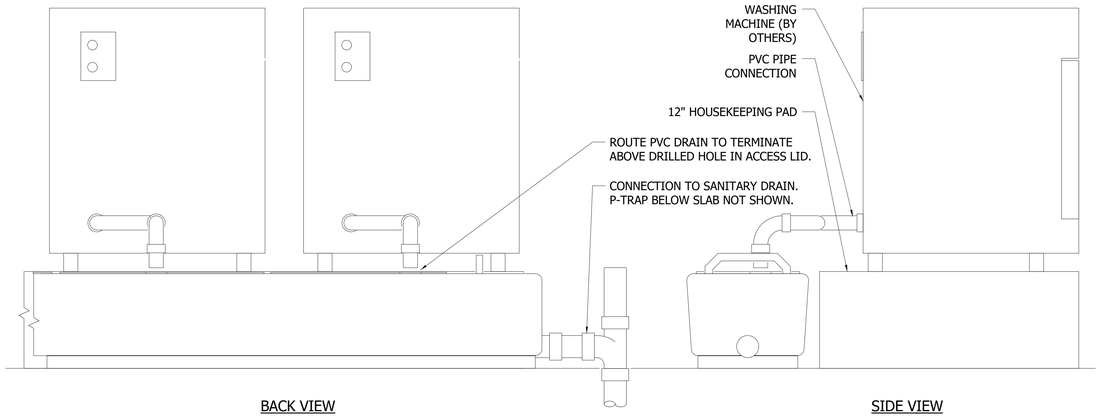


TOP VIEW



SECTION A-A

SECTION B-B



BACK VIEW

SIDE VIEW

1 P5.01 **WASHER TROUGH (TD-1) DETAIL**
NOT TO SCALE

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E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
PLUMBING DETAIL

E
P5.01

ELECTRIC UNIT HEATER SCHEDULE

TAG	LOCATION	HEATING CAPACITY (KW)	HEATING CAPACITY (BTUH)	CFM	ELECTRICAL DATA HP	VOLTS	PHASE	MANUFACTURER	MODEL	REMARKS
EUH-1-BB	111 MECHANICAL	5	17100	380	0.025	480	3	MODINE	HER-50	
EUH-2-BB	109 EQUIP. & STORAGE	5	17100	380	0.025	480	3	MODINE	HER-50	
EUH-3-BB	109 EQUIP. & STORAGE	5	17100	380	0.025	480	3	MODINE	HER-50	
EUH-1-SB	205 MECHANICAL	3	10200	380	0.025	480	3	MODINE	HER-30	
EUH-2-SB	211 EQUIP. & STORAGE	7.5	25600	530	0.025	480	3	MODINE	HER-75	

ELECTRIC WALL HEATER SCHEDULE

TAG	LOCATION	HEATING CAPACITY (KW)	CAPACITY (BTUH)	AIRFLOW (CFM)	ELECTRICAL DATA VOLTS	PHASE	MANUFACTURER	MODEL	REMARKS
EWH-1-BB	101B RR & SHOWER	4.8	16400	160	277	1	REZNOR	EHA	
EWH-1-SB	201B RR & SHOWER	4.8	16400	160	277	1	REZNOR	EHA	
EWH-2-SB	202 INDIV. RR	1.5	5125	160	277	1	REZNOR	EHA	
EWH-3-SB	203A INDIV. RR	1.5	5125	160	277	1	REZNOR	EHA	

E

AIR TERMINAL UNIT SCHEDULE

TAG	INLET SIZE (IN)	MAX CFM	MIN CFM	HEATING CFM	MAX APD (IN WG)	EAT (°F)	LAT (°F)	ELECTRIC HEATING DATA KW	VOLTS	PHASE	MANUFACTURER	MODEL	REMARKS
V-01-BB	10	850	850	850	0.25	50	85	9.5	480	3	TITUS	DESV	-
V-02-BB	10	725	145	365	0.25	50	92	5	480	3	PRICE	SDV	-
V-03-BB	8	525	105	265	0.25	50	91	3.5	480	3	PRICE	SDV	-
V-04-BB	6	350	350	350	0.25	50	92	4.5	480	3	PRICE	SDV	-
V-05-BB	6	250	250	250	0.25	50	85	3	480	3	PRICE	SDV	-
V-06-BB	10	775	775	775	0.25	50	85	9	480	3	PRICE	SDV	-
V-07-BB	6	350	50	--	0.25	50	50	0			PRICE	SDV	1
V-01-SB	10	725	725	725	0.25	50	85	8	480	3	PRICE	SDV	-
V-02-SB	8	600	600	600	0.25	50	94	8.5	480	3	PRICE	SDV	-
V-03-SB	8	550	110	275	0.25	50	92	3.5	480	3	PRICE	SDV	-
V-04-SB	10	850	170	425	0.25	50	91	6	480	3	PRICE	SDV	-
V-05-SB	6	400	400	400	0.25	50	93	5.5	480	3	PRICE	SDV	-
V-06-SB	6	350	50	--	0.25	50	50	0			PRICE	SDV	1

REMARKS:
1. COOLING ONLY.

PACKAGED ROOFTOP UNIT SCHEDULE

TAG	LOCATION	AREA SERVED	MIN OA (CFM)	SUPPLY FAN CFM	SUPPLY FAN ESP (IN WG)	FAN DATA NUMBER OF FANS	FAN DATA BHP	FAN DATA RPM	DX COOLING COIL EAT (°F) DB	DX COOLING COIL EAT (°F) WB	DX COOLING COIL LAT (°F) DB	DX COOLING COIL LAT (°F) WB	DX COOLING COIL MIN TOTAL CAPACITY (MBH)	DX COOLING COIL MIN SENS CAPACITY (MBH)	AIR COOLED CONDENSING UNIT OA TEMP (°F)	AIR COOLED CONDENSING UNIT REFREGERANT	AIR COOLED CONDENSING UNIT IEER	HEAT PUMP EAT (°F)	HEAT PUMP LAT (°F)	HEAT PUMP CAPACITY (MBH)	HEAT PUMP COP @ 32F	ELECTRIC HEAT CAPACITY (KW)	ELECTRIC HEAT EAT (°F)	ELECTRIC HEAT LAT (°F)	ELECTRICAL DATA AMPS	ELECTRICAL DATA MCA	ELECTRICAL DATA MOP	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PHASE	WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS
RTU-1-BB	AT GRADE	BASEBALL	2325	5850	1.5	1	5.25	1211	81.5	67.8	50	49.5	323.9	189.1	95	R454B	13.0	18.7	54.8	134.0	1.96	60	10	77	86	90	100	480	3	3127	AAON	RNA	1, 2
RTU-1-SB	AT GRADE	SOFTBALL	1875	5585	1.5	1	5.45	1231	80.3	67.0	50	49.5	293.3	184.5	95	R454B	13.0	21.2	60.4	126.6	1.74	60	15	91	86	90	100	480	3	3127	AAON	RNA	1, 2

REMARKS:
1. PROVIDE SINGLE POINT POWER CONNECTION WITH FACTORY INSTALLED AND WIRED DISCONNECT.
2. HEAT PUMP CAPACITY SHOWN AT 0°F AMBIENT CONDITIONS.

POWER VENTILATOR SCHEDULE

TAG	LOCATION	SERVICE	CFM	TSP (IN WG)	FAN TYPE	WHEEL DIAMETER (IN)	DRIVE TYPE	RPM	BHP	SONES	INLET dBA	CONTROL	WEIGHT	ELECTRICAL DATA AMPS	HP	MCA	MOP	VOLTS	PHASE	MANUFACTURER	MODEL	REMARKS
EF-1-BB	ROOF	TOILET EXH.	375	0.35	CENTRIFUGAL ROOF EXHAUST FAN	10.875	DIRECT	1669	0.06	8.2	56	BAS	29	1.38	0.1	2	15	120	1	GREENHECK	G-080-VG	1, 2, 3
EF-2-BB	ROOF	LAUNDRY EXH.	75	0.1	CENTRIFUGAL ROOF EXHAUST FAN	8.125	DIRECT	1050	0.07	1.7	36	LIGHTING OCC.	21	4.4	0.005	6	15	120	1	GREENHECK	G-060	2, 3
EF-3-BB	ROOF	TOILET EXH.	1950	0.5	CENTRIFUGAL ROOF EXHAUST FAN	13.125	DIRECT	1269	0.41	11.6	62	BAS	58	4.8	0.75	6	15	277	1	GREENHECK	G-140-VG	1, 2, 3
EF-4-BB	ROOF	IT ROOM	350	0.1	CENTRIFUGAL ROOF EXHAUST FAN	10.875	DIRECT	1300	0.03	5.4	50	BAS	27	4.4	0.033333	6	15	120	1	GREENHECK	G-080	2, 3
EF-1-SB	ROOF	TOILET EXH.	625	0.4	CENTRIFUGAL ROOF EXHAUST FAN	10.875	DIRECT	1686	0.09	8.5	56	BAS	30	1.38	0.1	2	15	120	1	GREENHECK	G-090-VG	1, 2, 3
EF-2-SB	ROOF	LAUNDRY EXH.	75	0.1	CENTRIFUGAL ROOF EXHAUST FAN	8.125	DIRECT	1050	0.07	1.7	36	LIGHTING OCC.	21	4.4	0.005	6	15	120	1	GREENHECK	G-060	2, 3
EF-3-SB	ROOF	TOILET EXH.	1225	0.5	CENTRIFUGAL ROOF EXHAUST FAN	11.125	DIRECT	1725	0.29	10.9	62	BAS	48	7.2	0.33	9	20	120	1	GREENHECK	G-100	2, 3
EF-4-SB	ROOF	IT ROOM	350	0.1	CENTRIFUGAL ROOF EXHAUST FAN	10.875	DIRECT	1300	0.03	5.4	50	BAS	27	4.4	0.033333	6	15	120	1	GREENHECK	G-080	2, 3

REMARKS:
1. FURNISH WITH ELECTRONICALLY COMMUTATED MOTOR WITH INTEGRAL SPEED DIAL AND MANUFACTURER'S CONTROL INTERFACE.
2. FURNISH GRAVITY BACKDRAFT DAMPER.
3. PROVIDE FACTORY INSTALLED AND WIRED TOGGLE DISCONNECT SWITCH.

FAN POWERED AIR TERMINAL UNIT SCHEDULE

TAG	LOCATION	UNIT SIZE	INLET SIZE	MAX PRIMARY CFM	MIN PRIMARY CFM	FAN CFM	ELECTRIC HEATING DATA EAT (°F)	ELECTRIC HEATING DATA LAT (°F)	ELECTRIC HEATING DATA CAPACITY (KW)	MAX APD	ELECTRICAL DATA FAN HP	ELECTRICAL DATA MCA	ELECTRICAL DATA MOP	ELECTRICAL DATA VOLTS	ELECTRICAL DATA PHASE	MANUFACTURER	MODEL	REMARKS
F-01-BB	102 INDIV. RR.	06	12	1500	300	1500	67	91	15	0.25	0.75	29.3	30	480	3	TITUS	DTQP	1, 2
F-02-BB	104 FLEX ROOM	02	6	250	50	250	67	86	2	0.25	0.17	10.7	15	277	1	TITUS	DTQP	1, 2
F-03-BB	107 SATTELITE P.T. ROOM	02	6	175	35	250	68	92	2.5	0.25	0.17	5.4	15	480	3	TITUS	DTQP	1, 2
F-04-BB	109 EQUIP. & STORAGE	02	6	100	20	250	69	90	2	0.25	0.17	10.7	15	277	1	TITUS	DTQP	1, 2
F-01-SB	201A VEST.	06	14	1575	315	1575	67	87	13	0.25	0.75	26.3	30	480	3	TITUS	DTQP	1, 2
F-02-SB	204 FLEX ROOM	02	6	250	50	250	67	80	2	0.25	0.17	10.7	15	277	1	TITUS	DTQP	1, 2
F-03-SB	206 SATTELITE P.T.	02	6	100	20	250	69	90	2	0.25	0.17	10.7	15	277	1	TITUS	DTQP	1, 2
F-04-SB	207 CORRIDOR	02	6	185	37	350	68.5	93	3.5	0.25	0.17	6.9	15	480	3	TITUS	DTQP	1, 2

REMARKS:
1. AIRFLOW INDICATED ON THE PLANS IS MAXIMUM PRIMARY AIRFLOW.
2. PROVIDE FACTORY INSTALLED AND WIRED DISCONNECT SWITCH.

GRILLE/REGISTER AND DIFFUSER SCHEDULE

NOTES:
A. 0.10" STATIC PRESSURE DROP MAXIMUM U.O.N.
B. NC 30 MAXIMUM U.O.N.
C. ALL WALL MOUNTED LOUVERED GRILLES & REGISTERS SHALL HAVE FRONT HORIZONTAL BLADES.
D. DUCT CONNECTION TO DIFFUSERS SHALL BE SAME SIZE AS DIFFUSER U.O.N.
E. REFER TO ROOM FINISH SCHEDULE FOR CEILING TYPES.

REMARKS:
1. SQUARE NECK.
2. ROUND NECK.
3. SURFACE MOUNTED MODULAR CORE DIFFUSER. SIZE INDICATED IS MODULE SIZE. PROVIDE ROUND DUCT CONNECTION WITH BALANCING DAMPER ADJUSTABLE FROM FACE, SIZE AS SCHEDULED.
4. PROVIDE INTEGRAL GANG OPERATED DAMPER.
5. FURNISH WITH INTERNALLY INSULATED PLENUM WITH ROUND DUCT CONNECTION. DIFFUSER SHALL HAVE FLUSH BORDER WITH CEILING HANGERS.
6. PROVIDE CABLE-OPERATED BALANCING DAMPER OPERABLE FROM GRILLE. PROVIDE 1/4" BORDER WITH SPRING LATCH FRAME; TITUS BORDER TYPE 4.

TAG	DESCRIPTION	TYPE	MATERIAL	SIZE	SIZE (IN)	MAX AIRFLOW (CFM)	MANUFACTURER	MODEL	REMARKS
D-1A	SUPPLY DIFFUSER	SQUARE PLAQUE	STEEL	RD. NECK SIZE - FACE SIZE	10-24	375	TITUS	OMNI	2
D-2A	SUPPLY DIFFUSER	LOUVERED FACE	ALUMINUM	SQ. NECK - RD. NECK SIZE	12x12-10	370	TITUS	TDC-AA	3
D-2B	SUPPLY DIFFUSER	LOUVERED FACE	ALUMINUM	SQ. NECK - RD. NECK SIZE	6x6-6	120	TITUS	TDC-AA	3
D-3A	SUPPLY DIFFUSER	LINEAR	ALUMINUM	NO. SLOTS - SLOT WIDTH - IN. LONG - RD. NECK SIZE	2-3/4-48-8	200	TITUS	ML-38	5
G-1A	SUPPLY GRILLE	LOUVERED DOUBLE DEFLECTION	STEEL	DUCT SIZE	10x6	250	TITUS	272RL	
G-1B	SUPPLY GRILLE	LOUVERED DOUBLE DEFLECTION	STEEL	DUCT SIZE	12x8	400	TITUS	272RL	
G-2A	SUPPLY GRILLE	LINEAR BAR	ALUMINUM	IN. LONG - DUCT WIDTH	30-2	200	TITUS	CT-540	6
G-3A	RET./TRANS. GRILLE	LOUVERED	STEEL	DUCT SIZE	12x6	150	TITUS	23RL	
G-3B	RET./TRANS. GRILLE	LOUVERED	STEEL	DUCT SIZE	18x6	250	TITUS	23RL	
G-3C	RET./TRANS. GRILLE	LOUVERED	STEEL	DUCT SIZE	48x18	1800	TITUS	23RL	
G-4A	RETURN PANEL	PERFORATED	STEEL	FACE SIZE	24x24	2000	TITUS	PXP	
G-4B	RETURN PANEL	PERFORATED	STEEL	FACE SIZE	24x12	600	TITUS	PXP	
G-5A	EXH. GRILLE/REG.	LOUVERED	ALUMINUM	DUCT SIZE	8x8	150	TITUS	3FL	
G-5B	EXH. GRILLE	LOUVERED	ALUMINUM	DUCT SIZE	14x14	450	TITUS	3FL	
R-1A	SUPPLY REGISTER	LOUVERED DOUBLE DEFLECTION	STEEL	DUCT SIZE	18x12	900	TITUS	272RL	4
R-2A	EXH. REGISTER	LOUVERED	ALUMINUM	DUCT SIZE	8x8	150	TITUS	272RL	4

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

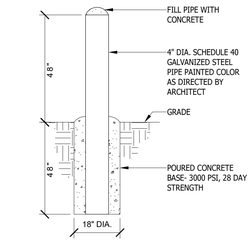
BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

NO.	DATE	ISSUED / REVISION
B	06/27/2025	DD SET
C	11/21/2025	BID/PERMIT SET
E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
MECHANICAL SCHEDULES

M7.00



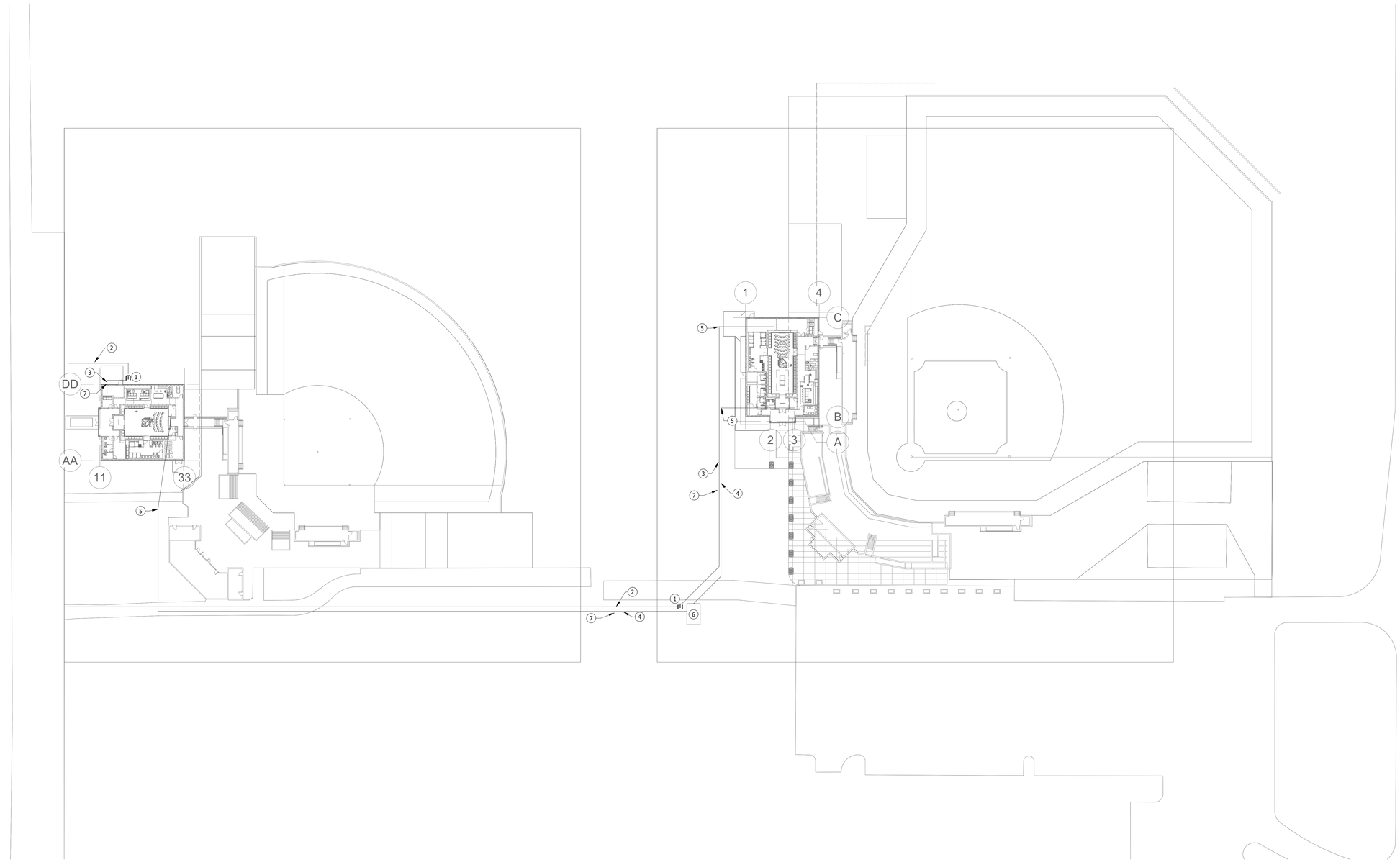
2 ES2.01 **PROTECTIVE BOLLARD DETAIL**
NOT TO SCALE

GENERAL NOTES:

A. REFER TO SHEET E0.01 FOR ADDITIONAL INFORMATION.

PLAN NOTES:

1. UTILITY TRANSFORMER. PROVIDE AND INSTALL TRANSFORMER PAD PER AEP SPECIFICATIONS. PROVIDE AND INSTALL BOLLARDS WEST OF TRANSFORMER PAD TO PROTECT TRANSFORMER. COORDINATE INSTALLED LOCATION WITH WORKING CLEARANCES SPECIFIED BY AEP. REFER TO AEP PAD DETAIL 3/ES.04. E
2. PROPOSED UTILITY PRIMARY CONDUCTOR PATH. PROVIDED AND INSTALLED BY AEP.
3. UTILITY SECONDARY CONDUCTOR PATH. PROVIDE AND INSTALL CONDUIT AND FEEDERS PER SHEET E6.01. PROVIDE AND INSTALL (2) ADDITIONAL 4" SCHEDULE 80 PVC CONDUITS WITH PULL STRINGS FOR SPARE. REFER TO DETAILS SHEETS FOR ADDITIONAL INFORMATION. COORDINATE EXACT ROUTING WITH EXISTING UNDERGROUND INFRASTRUCTURE.
4. COMMUNICATIONS CONDUIT PATH. PROVIDE AND INSTALL (1) 4" SCHEDULE 80 PVC CONDUITS FROM PUMP HOUSE TO IT ROOM. COORDINATE LOCATION WITHIN PUMP HOUSE WITH BALL STATE PRIOR TO INSTALLATION. PROVIDE AND INSTALL MAXCELL MXE286383 INTERDUCT IN EACH CONDUIT. REFER TO DETAILS SHEETS FOR ADDITIONAL INFORMATION. PROVIDE AND INSTALL PULL STRINGS IN EACH INTERDUCT AND CONDUIT. COORDINATE EXACT ROUTING WITH EXISTING UNDERGROUND INFRASTRUCTURE. PROVIDE AND INSTALL (1) COMMSCOPE R-006-LN-8W-F06BK/25D FIBER OPTIC CABLE IN INTERDUCT.
5. PROVIDE AND INSTALL HANDHOLES AT LOCATION INDICATED. SEPARATE HANDHOLES SHALL BE INSTALLED FOR POWER AND COMMUNICATIONS CABLING.
6. EXISTING PUMPHOUSE.
7. ADDER: PROVIDE COST TO ADD CONCRETE DUCT BANK IN LIEU OF DIRECT BURIED CONDUIT. REFER TO DETAIL SHEET E5.04 FOR MORE INFORMATION.



1 ES2.01 **ELECTRICAL SITE PLAN**
1" = 40'-0"

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

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PROJECT NO. **24104.00**

DRAWING TITLE:
ELECTRICAL PLANS - SITE

ES2.01

LIGHTING PLAN NOTES:

1. CONNECT LIGHT FIXTURES IN THIS ROOM TO CIRCUIT INDICATED, UNLESS OTHERWISE NOTED.
2. LIGHT FIXTURES IN THIS SPACE TO BE MOUNTED AT APPROXIMATELY 8'-0" A.F.F. COORDINATE EXACT LOCATIONS AND HEIGHTS WITH MECHANICAL DUCTWORK, CONDUIT, PIPING AND EQUIPMENT.
3. BOTTOM OF LIGHT FIXTURE TO BE MOUNTED AT 10' A.F.F.
4. BOTTOM OF LIGHT FIXTURE TO BE MOUNTED AT 9'-8" A.F.F.
5. BOTTOM OF LIGHT FIXTURE TO BE MOUNTED AT 12' A.F.F.
6. LIGHT FIXTURES LRA-54 AND LVA-8 ARE TO JOIN AT THE WALL/CEILING JUNCTURE FOR A SEAMLESS LOOK.
7. PROVIDE WALL BOX OCCUPANCY SENSOR; SEE DETAIL #9/E5.02.
8. PROVIDE WALL BOX OCCUPANCY SENSORS CONNECTED IN 3-WAY SWITCHING CONFIGURATION; SEE DETAIL #8/E5.02.
9. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR AND RELAY PACK TO CONTROL LIGHT FIXTURES IN THIS ROOM; SEE DETAIL #1/E5.03.
10. PROVIDE CEILING MOUNTED OCCUPANCY SENSORS AND RELAY PACKS TO CONTROL LIGHT FIXTURES IN LOCKER ROOM; SEE DETAIL #2/E5.03.
11. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL LIGHT FIXTURES IN LOCKER ROOM; SEE DETAIL #2/E5.03.
12. PROVIDE CEILING MOUNTED OCCUPANCY SENSORS AND RELAY PACKS TO CONTROL LIGHT FIXTURES IN NUTRITION AND PLAYER'S LOUNGE; SEE DETAIL #3/E5.03.
13. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL LIGHT FIXTURES IN PLAYER'S LOUNGE; SEE DETAIL #3/E5.03.
14. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL ABOVE COUNTER LIGHT FIXTURES IN NUTRITION; SEE DETAIL #3/E5.03.
15. PROVIDE LIGHTING RELAY FOR EXTERIOR LIGHTS WITH EMERGENCY TRANSFER BYPASS; SEE DETAIL #4/E5.03.
16. PROVIDE CEILING MOUNTED OCCUPANCY SENSORS AND RELAY PACKS TO CONTROL LIGHT FIXTURES IN EQUIP. & STORAGE; SEE DETAIL #10/E5.02.
17. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL LIGHT FIXTURES IN EQUIP. & STORAGE; SEE DETAIL #10/E5.02.
18. OCCUPANCY SENSOR PENDENT MOUNTED; SEE DETAIL #6/E5.02.
19. MOUNT EXTERIOR LIGHT FIXTURE AT +8'-0" A.F.F. TO BOTTOM OF FIXTURE. CIRCUIT TO LIGHTING RELAY 'LCR1-BB'; SEE RELAY SCHEDULE ON SHEET E8.01.
20. MOUNT DOWNLIGHT FIXTURE IN ENTRANCE SOFFIT CENTERED BETWEEN FACE OF BUILDING AND EDGE OF SOFFIT. CIRCUIT TO LIGHTING RELAY '1BB-LCR-1'; SEE RELAY SCHEDULE ON SHEET E8.01.
21. PROVIDE PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTING RELAY. MOUNT AT +14'-0" A.F.F.
22. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR AND RELAY PACKS TO CONTROL LIGHT FIXTURES IN PT ROOM; SEE DETAIL #5/E5.03.
23. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL LIGHT FIXTURES IN PT ROOM; SEE DETAIL #5/E5.03.
24. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL ABOVE COUNTER LIGHT FIXTURES IN PT ROOM; SEE DETAIL #5/E5.03.
25. PROVIDE DECK MOUNTED JUNCTION BOX WITH LIGHTING CIRCUIT SERVING THIS ROOM FOR FUTURE GRAPHIC SIGNAGE.

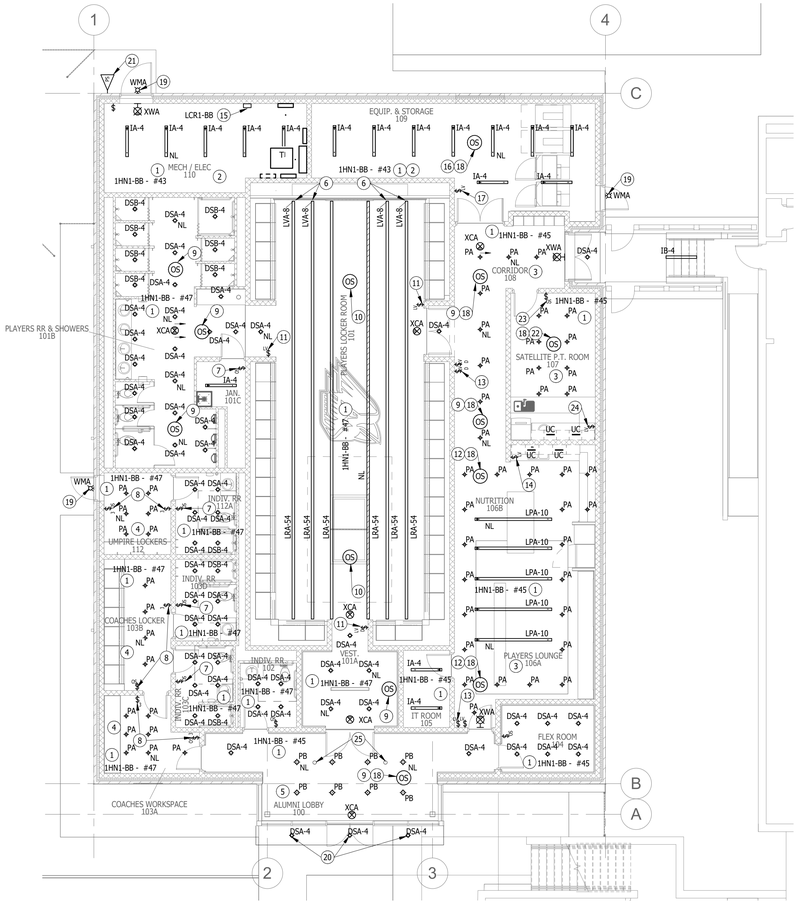
GENERAL NOTES:

A. REFER TO SHEET E0.01 FOR ADDITIONAL INFORMATION.

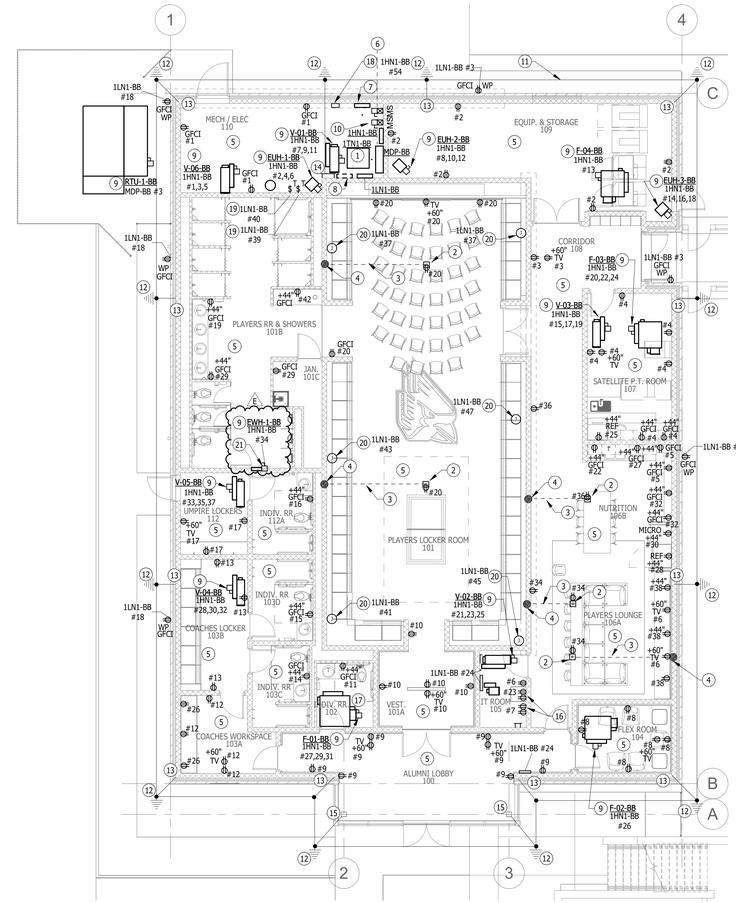
B. ALL 120/208V CIRCUITS SHALL CONNECT TO PANEL 1BB-LN1.

POWER PLAN NOTES:

1. HANG TRANSFORMER FROM STRUCTURE ABOVE. MAINTAIN A MINIMUM OF 90" BELOW BOTTOM OF TRANSFORMER. COORDINATE LOCATION WITH DUCTWORK.
2. PROVIDE AND INSTALL FLOOR BOX FOR POWER AND COMMUNICATIONS.
3. PROVIDE AND INSTALL (1) 3/4" CONDUIT FOR POWER AND (1) 2" CONDUIT FOR COMMUNICATIONS BELOW FLOOR SLAB FROM WALL FEED TO FLOOR BOX.
4. PROVIDE AND INSTALL CONDUIT DROPS IN WALL TO FEED FLOOR BOX.
5. CONNECT RECEPTACLES IN EACH ROOM TO CIRCUIT INDICATED UNLESS LABELED OTHERWISE.
6. PROVIDE AND INSTALL (2) 4" SCHEDULE 80 PVC CONDUIT FOR FIELD LIGHTING, CAP AND INSTALL PULL STRINGS.
7. PROVIDE AND INSTALL EMERGENCY BATTERY INVERTER. INVERTER SHALL BE CAPABLE OF SUSTAINING 4KW FOR 90 MINUTES.
8. MAINTAIN CLEARANCES FOR FUTURE PANEL.
9. CONNECT CIRCUIT INDICATED TO FACTORY SUPPLIED UNIT MOUNTED DISCONNECT.
10. PROVIDE AND INSTALL NEMA SIZE 00 MOTOR STARTERS FOR EXHAUST FANS . STARTERS SHALL HAVE HAND OFF AUTO CONTROL, 24V COILS AND 120:24VAC TRANSFORMERS FOR EACH EXHAUST FAN. MOUNT ALL STARTERS ON EAST WALL OF MECH/ELEC 110. STARTERS FOR FANS EF-2-BB AND EF-4-BB ONLY.
11. PROVIDE AND INSTALL COPPER GROUND RING AS INDICATED. REFER TO SHEET E6.01 FOR ADDITIONAL INFORMATION.
12. PROVIDE AND INSTALL GROUND ROD. CONNECT TO BUILDING GROUND RING AS INDICATED. CAD-WELD ALL CONNECTIONS.
13. CONNECT GROUND RING TO BUILDING REBAR. CAD-WELD ALL CONNECTIONS.
14. CONNECT GROUND RING TO GROUND BUS IN ELECTRICAL ROOM. CAD-WELD CONNECTION AT GROUND RING.
15. CONNECT GROUND RING TO BUILDING STEEL. CAD-WELD ALL CONNECTIONS.
16. RACK MOUNTED QUAD RECEPTACLES. COORDINATE LOCATION WITH RACK.
17. PROVIDE AND INSTALL (3) #10 AWG CU THNN CONDUCTORS AND A (1) #12 AWG THNN CU GROUND WIRE IN 1/2" EMT TO F-01-BB.
18. PROVIDE CIRCUIT TO LIGHTING RELAY 'LCR1-BB'; SEE LIGHTING PLAN ON THIS SHEET.
19. CONNECT MOTOR RATED TOGGLE SWITCH TO HOT WATER CIRCULATING PUMPS HWCP-BB-1 AND HWCP-BB-2. POWER EACH BY THE INDICATED PANEL AND CIRCUIT NUMBER.
20. PROVIDE AND INSTALL USB (1) CHARGER OUTLET IN EACH LOCKER. CHARGER OUTLET SHALL BE SIMILAR TO HUBBELL USBB4AC. COORDINATE COLOR AND INSTALLED LOCATION WITH BSU. CONNECT LOCKER TOE-KICK LIGHTING FURNISHED WITH LOCKERS AND USB CHARGER OUTLET TO JUNCTION BOX MOUNTED TO WALL BEHIND LOCKERS. COORDINATE JUNCTION BOX LOCATION WITH LOCKER FABRICATOR. NO MORE THAN (10) LOCKERS SHALL BE CONNECTED TO ONE CIRCUIT.
21. CONNECT 277V CIRCUIT TO EWH-1-BB VIA (3) #10 AWG CU THHN CONDUCTORS, (1) #10 AWG CU THHN NEUTRAL, AND (1) #10 AWG CU THHN GROUND IN 3/4" EMT.



1 E2.01BB FIRST FLOOR LIGHTING PLAN - BASEBALL BUILDING
1/8" = 1'-0"



2 E2.01BB FIRST FLOOR POWER PLAN - BASEBALL BUILDING
1/8" = 1'-0"

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

BALL STATE UNIVERSITY

3200 N TILLOTSON AVE, MUNCIE, IN 47306

BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

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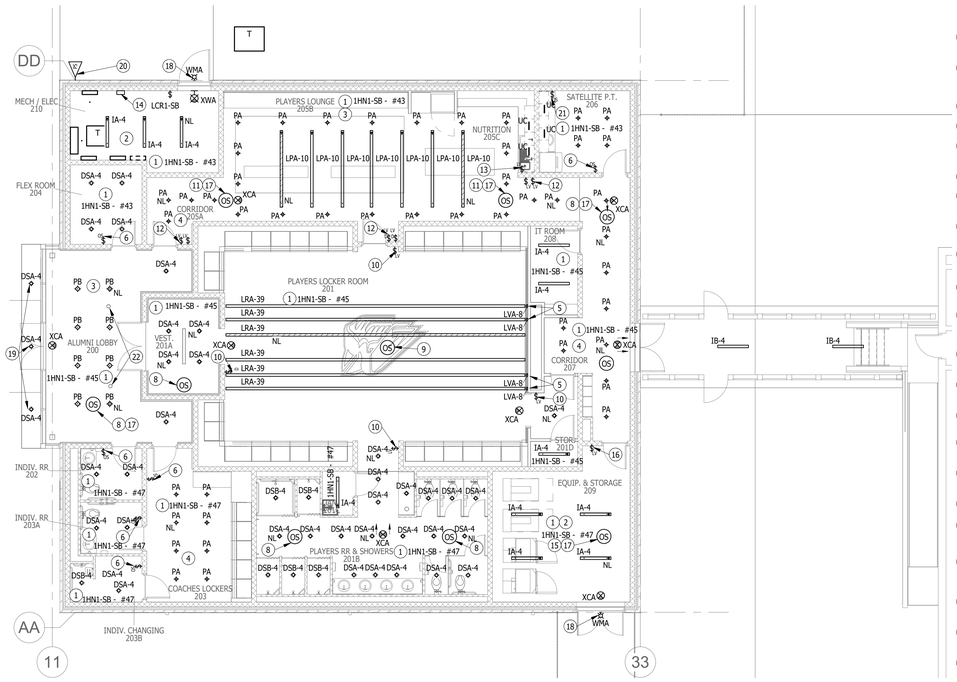
PROJECT NO. **24104.00**

DRAWING TITLE:
ELECTRICAL PLANS - BASEBALL BUILDING

E2.01BB

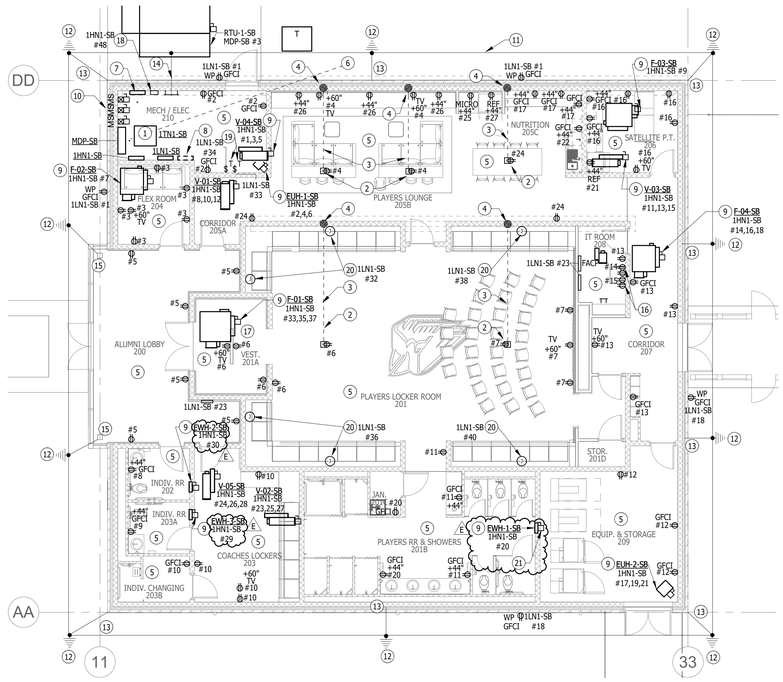
1/8/2026 2:02:44 PM Autodesk Docs://24104.00_BSU Baseball & Softball - Locker Room Buildings/LOFTUS MEP_BSU First Merchant Ballpark-Locker Room Buildings_V24.rvt



1 FIRST FLOOR LIGHTING PLAN - SOFTBALL BUILDING
E2.01SB 1/8" = 1'-0"

LIGHTING PLAN NOTES:

1. CONNECT LIGHT FIXTURES IN THIS ROOM TO CIRCUIT INDICATED, UNLESS OTHERWISE NOTED.
2. LIGHT FIXTURES IN THIS SPACE TO BE MOUNTED AT APPROXIMATELY 8'-0" A.F.F. COORDINATE EXACT LOCATIONS AND HEIGHTS WITH MECHANICAL DUCTWORK, CONDUIT, PIPING AND EQUIPMENT.
3. BOTTOM OF LIGHT FIXTURE TO BE MOUNTED AT 10' A.F.F.
4. BOTTOM OF LIGHT FIXTURE TO BE MOUNTED AT 9'8" A.F.F.
5. LIGHT FIXTURES LRA-39 AND LVA-8 ARE TO JOIN AT THE WALL/CEILING JUNCTURE FOR A SEAMLESS LOOK.
6. PROVIDE WALL BOX OCCUPANCY SENSOR; SEE DETAIL #9/E5.02.
7. PROVIDE WALL BOX OCCUPANCY SENSORS CONNECTED IN 3-WAY SWITCHING CONFIGURATION; SEE DETAIL #8/E5.02.
8. PROVIDE CEILING MOUNTED OCCUPANCY SENSOR AND RELAY PACK TO CONTROL LIGHT FIXTURES IN THIS ROOM; SEE DETAIL #1/E5.03.
9. PROVIDE CEILING MOUNTED OCCUPANCY SENSORS AND RELAY PACKS TO CONTROL LIGHT FIXTURES IN LOCKER ROOM; SEE DETAIL #2/E5.03.
10. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL LIGHT FIXTURES IN LOCKER ROOM; SEE DETAIL #2/E5.03.
11. PROVIDE CEILING MOUNTED OCCUPANCY SENSORS AND RELAY PACKS TO CONTROL LIGHT FIXTURES IN NUTRITION AND PLAYER'S LOUNGE; SEE DETAIL #3/E5.03.
12. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL LIGHT FIXTURES IN PLAYER'S LOUNGE; SEE DETAIL #3/E5.03.
13. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL ABOVE COUNTER LIGHT FIXTURES IN NUTRITION; SEE DETAIL #3/E5.03.
14. PROVIDE LIGHTING RELAY FOR EXTERIOR LIGHTS WITH EMERGENCY TRANSFER BYPASS; SEE DETAIL #4/E5.03.
15. PROVIDE CEILING MOUNTED OCCUPANCY SENSORS AND RELAY PACKS TO CONTROL LIGHT FIXTURES IN EQUIP. & STORAGE; SEE DETAIL #10/E5.02.
16. PROVIDE WALL MOUNTED MANUAL CONTROLS TO CONTROL LIGHT FIXTURES IN EQUIP. & STORAGE; SEE DETAIL #10/E5.02.
17. OCCUPANCY SENSOR PENDENT MOUNTED; SEE DETAIL #6/E5.02.
18. MOUNT EXTERIOR LIGHT FIXTURE AT +8'-0" A.F.F. TO BOTTOM OF FIXTURE. CIRCUIT TO LIGHTING RELAY 'LCR1-SB'; SEE RELAY SCHEDULE ON SHEET E8.01.
19. MOUNT DOWNLIGHT FIXTURE IN ENTRANCE SOFFIT CENTERED BETWEEN FACE OF BUILDING AND EDGE OF SOFFIT. CIRCUIT TO LIGHTING RELAY '1BB-LCR-1'; SEE RELAY SCHEDULE ON SHEET E8.01.
20. PROVIDE PHOTOCELL FOR CONTROL OF EXTERIOR LIGHTING RELAY. MOUNT AT +14'-0" A.F.F.
21. PROVIDE WALL BOX OCCUPANCY SENSOR TO CONTROL ABOVE COUNTER LIGHT FIXTURES ONLY; SEE DETAIL #9/E5.02.
22. PROVIDE DECK MOUNTED JUNCTION BOX WITH LIGHTING CIRCUIT SERVING THIS ROOM FOR FUTURE GRAPHIC SIGNAGE.



2 FIRST FLOOR POWER PLAN - SOFTBALL BUILDING
E2.01SB 1/8" = 1'-0"

GENERAL NOTES:

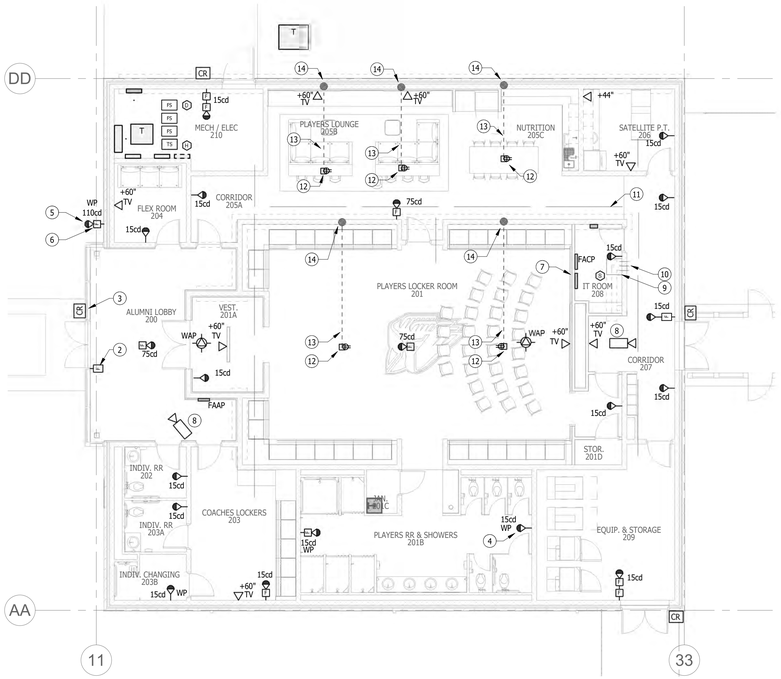
A. REFER TO SHEET E.001 FOR GENERAL NOTES.

B. INSTALL CONDUIT STUBS WITH BUSHINGS AT ALL LOCATIONS WHERE CABLING PASSES THROUGH WALLS.

C. ALL 120/208V CIRCUITS SHALL CONNECT TO PANEL 1LN1-SB.

POWER PLAN NOTES:

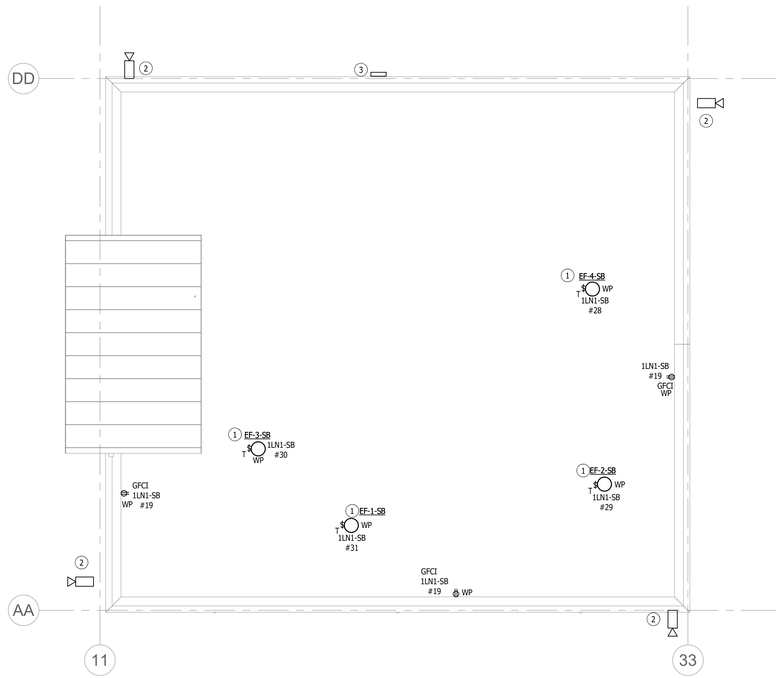
1. HANG TRANSFORMER FROM STRUCTURE ABOVE. MAINTAIN A MINIMUM OF 90" BELOW BOTTOM OF TRANSFORMER. COORDINATE LOCATION WITH DUCTWORK.
2. PROVIDE AND INSTALL FLOOR BOX FOR POWER AND COMMUNICATIONS.
3. PROVIDE AND INSTALL (1) 3/4" CONDUIT FOR POWER AND (1) 2" CONDUIT FOR COMMUNICATIONS BELOW FLOOR SLAB FROM WALL FEED TO FLOOR BOX.
4. PROVIDE AND INSTALL CONDUIT DROPS IN WALL TO FEED FLOOR BOX.
5. CONNECT RECEPTACLES IN EACH ROOM TO CIRCUIT INDICATED UNLESS LABELED OTHERWISE.
6. PROVIDE AND INSTALL (2) 4" CONDUIT FOR FIELD LIGHTING, CAP AND INSTALL POLE STRINGS.
7. PROVIDE AND INSTALL EMERGENCY BATTERY INVERTER. INVERTER SHALL BE CAPABLE OF SUSTAINING 4KW FOR 90 MINUTES.
8. MAINTAIN CLEARANCES FOR FUTURE PANEL.
9. CONNECT CIRCUIT INDICATED TO FACTORY SUPPLIED UNIT MOUNTED DISCONNECT.
10. PROVIDE AND INSTALL NEMA SIZE 00 MOTOR STARTERS FOR EXHAUST FANS. STARTERS SHALL HAVE HAND OFF AUTO CONTROL, 24V COILS AND 120:24VAC TRANSFORMERS FOR EACH EXHAUST FAN. MOUNT ALL STARTERS ON EAST WALL OF MECH/ELEC 210. STARTERS FOR FANS EF-2-SB, EF-3-SB, AND EF-4-BB ONLY.
11. PROVIDE AND INSTALL COPPER GROUND RING AS INDICATED.
12. PROVIDE AND INSTALL GROUND ROD. CONNECT TO BUILDING GROUND RING AS INDICATED. CAD-WELD ALL CONNECTIONS.
13. CONNECT GROUND RING TO BUILDING REBAR. CAD-WELD ALL CONNECTIONS.
14. CONNECT GROUND RING TO GROUND BUS IN ELECTRICAL ROOM. CAD-WELD CONNECTION AT GROUND RING.
15. CONNECT GROUND RING TO BUILDING STEEL. CAD-WELD ALL CONNECTIONS.
16. RACK MOUNTED QUAD RECEPTACLES. COORDINATE LOCATION WITH RACK.
17. PROVIDE AND INSTALL (3) #10 AWG CU THNN CONDUCTORS AND (1) #12 AWG THNN CU GROUND WIRE IN 1/2" EMT TO F-01-SB.
18. PROVIDE CIRCUIT TO LIGHTING CONTROL RELAY 'LCR1-SB'; SEE LIGHTING PLAN ON THIS SHEET.
19. CONNECT MOTOR RATED TOGGLE SWITCH TO HOT WATER CIRCULATING PUMPS HWCP-SB-1 AND HWCP-SB-2. POWER EACH BY THE INDICATED PANEL AND CIRCUIT NUMBER.
20. PROVIDE AND INSTALL USB (1) CHARGER OUTLET IN EACH LOCKER. CHARGER OUTLET SHALL BE SIMILAR TO HUBBELL USB84AC. COORDINATE COLOR AND INSTALLED LOCATION WITH BSU. CONNECT LOCKER TOE-KICK LIGHTING FURNISHED WITH LOCKERS AND USB CHARGER OUTLET TO JUNCTION BOX MOUNTED TO WALL BEHIND LOCKERS. COORDINATE JUNCTION BOX LOCATION WITH LOCKER FABRICATOR. NO MORE THAN (10) LOCKERS SHALL BE CONNECTED TO ONE CIRCUIT.
21. CONNECT 277V CIRCUIT TO EWH1-SB VIA (3) #10 AWG CU THHN CONDUCTORS, (1) #10 AWG CU THHN NEUTRAL, AND (1) #10 AWG CU THHN GROUND IN 3/4" EMT. /E\



3 FIRST FLOOR SYSTEMS PLAN - SOFTBALL BUILDING
E2.01SB 1/8" = 1'-0"

SYSTEMS PLAN NOTES:

1. NOT USED.
2. INSTALL PULL STATION IN STOREFRONT MULLION. COORDINATE INSTALLATION WITH CONTRACTOR RESPONSIBLE FOR STOREFRONT.
3. INSTALL CARD READER IN STOREFRONT MULLION; COORDINATE INSTALLATION WITH CONTRACTOR RESPONSIBLE FOR STOREFRONT
4. PROVIDE WEATHERPROOF STROBE INSTALLED ON GASKETED BACKBOX IN SHOWER.
5. PROVIDE WEATHERPROOF HORN/STROBE INSTALLED ON GASKETED BACKBOX ON EXTERIOR OF BUILDING. COORDINATE EXACT LOCATION WITH OWNER.
6. PROVIDE WEATHERPROOF WATERFLOW BELL INSTALLED ON GASKETED BACKBOX ON EXTERIOR OF BUILDING; COORDINATE EXACT LOCATION WITH OWNER.
7. PROVIDE AND INSTALL CIRCUIT FOR DOOR ACCESS CONTROL PANEL. CONNECT TO CIRCUIT INDICATED.
8. PROVIDE AND INSTALL CONDUIT AND BOXES FOR SECURITY CAMERAS.
9. PROVIDE AND INSTALL 2 POST FREE STANDING DATA RACK IN IT ROOM.
10. PROVIDE AND INSTALL 3" CONDUIT STUBS WITH BUSHINGS FOR COMMUNICATION CABLING.
11. PROVIDE AND INSTALL LENGTHS OF EMT, NO LONGER THAN 10' EACH, WITH CONDUIT BUSHINGS AT EACH END FOR CABLE ROUTING. SPACE CONDUITS APPROXIMATELY 2' APART. CONDUIT SHALL BE MOUNTED ABOVE CEILING IN ACCESSIBLE LOCATIONS.
12. PROVIDE AND INSTALL FLOOR BOX FOR POWER AND COMMUNICATIONS.
13. PROVIDE: (1) 3/4" CONDUIT FOR POWER AND (1) 2" CONDUIT FOR COMMUNICATIONS BELOW FLOOR SLAB FROM WALL FEED TO FLOOR BOX.
14. PROVIDE CONDUIT DROPS IN WALL TO FEED FLOOR BOX.



4 ROOF POWER PLAN - SOFTBALL BUILDING
E2.01SB 1/8" = 1'-0"

ROOF POWER PLAN NOTES:

1. CONNECT EXHAUST FANS THROUGH MOTOR STARTER SHOWN ON DETAIL 2.
2. PROVIDE AND INSTALL CONDUIT AND BOXES FOR SECURITY CAMERAS. INSTALL ROUGH-INS ON INSIDE OF PARAPET WALL.
3. PROVIDE AND INSTALL PHOTOCELL TO CONTROL ALL EXTERIOR LIGHTING RELAYS. MOUNT ON PARAPET WALL 24" BELOW CAP.

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

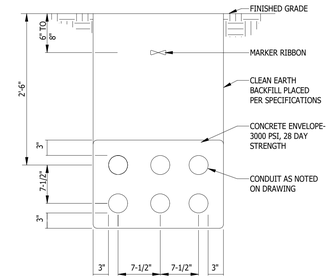
BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

NO.	DATE	ISSUED / REVISION
B	06/27/2025	DD SET
C	11/21/2025	BID/PERMIT SET
D	12/15/2025	ADDENDUM 2
E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
ELECTRICAL PLANS - SOFTBALL BUILDING

E2.01SB

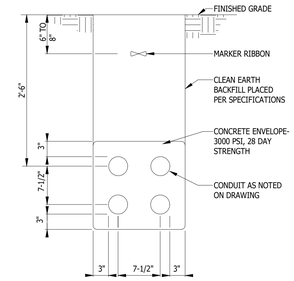


NOTES:

1. USE BURIAL DEPTH SHOWN UNLESS NOTED OTHERWISE IN SPECIFICATIONS OR ON DRAWINGS. BURIAL DEPTHS FOR CONDUITS TO BE USED BY UTILITY COMPANIES SHALL BE AS DIRECTED BY THE UTILITY COMPANY.

4 E5.04 SIX CELL DUCT BANK DETAIL

NOT TO SCALE



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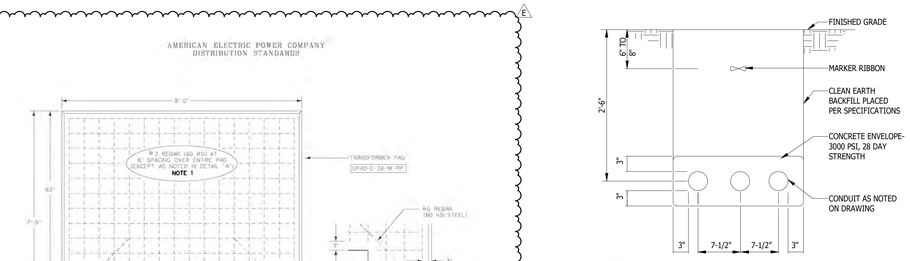
3 E5.04 FOUR CELL DUCT BANK DETAIL

NOT TO SCALE



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2 E5.04 THREE CELL DUCT BANK DETAIL

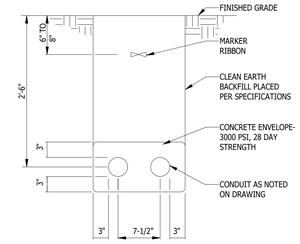
NOT TO SCALE

NOTES:

1. VERIFY CONDUITS AND CONDUCTORS WITH SHEET E.601.
2. PROVIDE PULL STRINGS.
3. CONDUIT TO POLE.
4. COORDINATE PAD ORIENTATION WITH UTILITY.
5. CONTACT UTILITY ENGINEER AT LEAST 24 HOURS PRIOR TO POURING CONCRETE. DOCUMENT CONSTRUCTION WITH PICTURES AND DIMENSIONS.
6. ALL CONCRETE REINFORCEMENT MUST BE REBAR, NO MESH.
7. PROVIDE BOLLARDS AS REQUIRED.

5 E5.04 UTILITY TRANSFORMER PAD DETAIL

NOT TO SCALE



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1 E5.04 TWO CELL DUCT BANK DETAIL

NOT TO SCALE

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

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NO.	DATE	ISSUED / REVISION
B	06/27/2025	DD SET
C	11/21/2025	BID/PERMIT SET
E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
ELECTRICAL DETAILS

E5.04

Branch Panel: 1HN1-BB — New Construction

Location: MECH / ELEC 110
Supply From: MDP-BB
Mounting: Surface
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35 KAIC
Mains Type: MLO
Mains Rating: 200 A
MCB Rating:

Notes:

#	Circuit Description	Notes	Load Class	Trip	Poles	A	B	C	Poles	Trip	Load Class	Notes	Circuit Description	#
1	110 MECH / ELEC V-06-BB		Disconnect	15 A	3	3000 VA / 1667 VA			3	15 A	Disconnect		110 MECH / ELEC EUH-1-BB	2
3	--	--	--	--	--		3000 VA / 1667 VA		--	--	--	--	--	4
5	--	--	--	--	--			3000 VA / 1667 VA	--	--	--	--	--	6
7	110 MECH / ELEC V-01-BB		Disconnect	15 A	3	3167 VA / 1667 VA			3	15 A	Disconnect		109 EQUIP. & STORAGE EUH-2-BB	8
9	--	--	--	--	--		3167 VA / 1667 VA		--	--	--	--	--	10
11	--	--	--	--	--			3167 VA / 1667 VA	--	--	--	--	--	12
13	109 EQUIP. & STORAGE F-04-BB		Disconnect	15 A	1	2000 VA / 1667 VA			3	15 A	Disconnect		109 EQUIP. & STORAGE EUH-3-BB	14
15	107 SATELLITE P.T. ROOM V-03-BB		Disconnect	15 A	3		1167 VA / 1667 VA		--	--	--	--	--	16
17	--	--	--	--	--			1167 VA / 1667 VA	--	--	--	--	--	18
19	--	--	--	--	--	1167 VA / 833 VA			3	15 A	Disconnect		107 SATELLITE P.T. ROOM F-03-BB	20
21	105 IT ROOM V-02-BB		Disconnect	15 A	3		1667 VA / 833 VA		--	--	--	--	--	22
23	--	--	--	--	--			1667 VA / 833 VA	--	--	--	--	--	24
25	--	--	--	--	--	1667 VA / 2000 VA			1	15 A	Disconnect		104 FLEX ROOM F-02-BB	26
27	102 INDIV. RR. F-01-BB		Disconnect	30 A	3		5000 VA / 1500 VA		3	15 A	Disconnect		103B COACHES LOCKER V-04-BB	28
29	--	--	--	--	--			5000 VA / 1500 VA	--	--	--	--	--	30
31	--	--	--	--	--	5000 VA / 1500 VA			--	--	--	--	--	32
33	112 UMPIRE LOCKERS V-05-BB		Disconnect	15 A	3	1000 VA	4800 VA		1	25 A	Disconnect		101B PLAYERS RR & SHOWERS EWH-1-BB	34
35	--	--	--	--	--			1000 VA / 0 VA	1	20 A	--		SPARE	36
37	--	--	--	--	--	1000 VA / 180 VA			1	20 A	Power		BASEBALL ROOF EF-3-BB	38
39	WASHER (FUTURE)		--	20 A	1		1500 VA / 2500 VA		2	20 A	--		DRYER (FUTURE)	40
41	WASHER (FUTURE)		--	20 A	1			1500 VA / 2500 VA	--	--	--	--	--	42
43	LIGHTING TOP		Lighting	20 A	1	356 VA / 2500 VA			2	20 A	--		DRYER (FUTURE)	44
45	LIGHTING RIGHT AND BOTTOM		Lighting; HVAC	20 A	1		931 VA	0 VA	--	--	--	--	--	46
47	LIGHTING MIDDLE AND LEFT		Lighting	20 A	1			2064 VA / 1667 VA	3	20 A	--		ELECTRIC UNIT HEATER (FUTURE)	48
49	ELECTRIC UNITY HEATER (FUTURE)		--	20 A	3	1667 VA / 1667 VA			--	--	--	--	--	50
51	--	--	--	--	--		1667 VA / 1667 VA		--	--	--	--	--	52
53	--	--	--	--	--			1667 VA / 123 VA	1	20 A	Lighting		110 MECH / ELEC LCR1-BB	54
55	SPARE		--	20 A	1	0 VA	0 VA		1	20 A	--		SPARE	56
57	SPARE		--	20 A	1		0 VA	0 VA	1	20 A	--		SPARE	58
59	SPARE		--	20 A	1			0 VA / 0 VA	1	20 A	--		SPARE	60
			Total Load:			32704 VA	35398 VA	31854 VA						
			Total Amps:			119 A	128 A	115 A						

Legend:

Load Class	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	3474 VA	125.00%	4342 VA		
Power	180 VA	100.00%	180 VA	**Total Conn. Load:**	99956 VA
Disconnect	75800 VA	100.00%	75800 VA	**Total Est. Demand:**	100824 VA
Spare	20502 VA	100.00%	20502 VA	**Total Conn. Current:**	120 A
HVAC	0 VA	0.00%	0 VA	**Total Est. Demand Current:**	121 A

Notes:

Branch Panel: 1LN1-BB — New Construction

Location: MECH / ELEC 110
Supply From: 1TN1-BB
Mounting: Surface
Enclosure: NEMA 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35 KAIC
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

#	Circuit Description	Notes	Load Class	Trip	Poles	A	B	C	Poles	Trip	Load Class	Notes	Circuit Description	#
1	110 MECH / ELEC REC		Receptacle	20 A	1	540 VA / 900 VA			1	20 A	Receptacle		109 EQUIP. & STORAGE REC	2
3	108 REC; 111 REC; < 3788838 not in room> REC; < 4325992 not in room> REC		Receptacle	20 A	1		900 VA / 1260 VA		1	20 A	Receptacle		107 SATELLITE P.T. ROOM REC	4
5	106B NUTRITION REC		Receptacle	20 A	1			360 VA / 540 VA	1	20 A	Receptacle		105 IT ROOM REC; 106A PLAYERS LOUNGE REC	6
7	105 IT ROOM REC		Receptacle	20 A	1	800 VA / 900 VA			1	20 A	Receptacle		104 FLEX ROOM REC	8
9	100 ALUMNI LOBBY REC		Receptacle	20 A	1		1440 VA / 900 VA		1	20 A	Receptacle		101A VEST. REC	10
11	102 INDIV. RR. REC		Receptacle	20 A	1			180 VA / 720 VA	1	20 A	Receptacle		103A COACHES WORKSPACE REC	12
13	103B COACHES LOCKER REC		Receptacle	20 A	1	540 VA / 180 VA			1	20 A	Receptacle		103C INDIV. RR REC	14
15	103D INDIV. RR REC		Receptacle	20 A	1		180 VA / 180 VA		1	20 A	Receptacle		112A INDIV. RR REC	16
17	112 UMPIRE LOCKERS REC		Receptacle	20 A	1			540 VA / 540 VA	1	20 A	Receptacle		< 3799469 not in room> REC; < 4186055 not in room> REC; < 4325901 not in room> REC	18
19	101B PLAYERS RR & SHOWERS REC		Receptacle	20 A	1	180 VA / 1080 VA			1	20 A	Receptacle		101 PLAYERS LOCKER ROOM REC	20
21	BASEBALL ROOF REC		Receptacle	20 A	1		540 VA / 1000 VA		1	20 A	Receptacle		106B NUTRITION REC	22
23	105 IT ROOM REC		Receptacle	20 A	1			800 VA / 120 VA	1	20 A	Other		100 ALUMNI LOBBY FAAP; 105 IT ROOM FACP	24
25	107 SATELLITE P.T. ROOM REC		Receptacle	20 A	1	1000 VA / 360 VA			1	20 A	Receptacle		103A COACHES WORKSPACE REC	26
27	106B NUTRITION REC		Receptacle	20 A	1		600 VA / 1000 VA		1	20 A	Receptacle		106A PLAYERS LOUNGE REC	28
29	101B PLAYERS RR & SHOWERS REC; 101C JAN. REC		Receptacle	20 A	1			360 VA / 1000 VA	1	20 A	Receptacle		106B NUTRITION REC	30
31	BASEBALL ROOF EF-1-BB		Power	20 A	1	530 VA / 360 VA			1	20 A	Receptacle		106B NUTRITION REC	32
33	BASEBALL ROOF EF-2-BB		Power	20 A	1		528 VA / 540 VA		1	20 A	Receptacle		106A PLAYERS LOUNGE REC	34
35	BASEBALL ROOF EF-4-BB		Power	20 A	1			528 VA / 360 VA	1	20 A	Receptacle		106B NUTRITION REC	36
37	101 PLAYERS LOCKER ROOM LOCKER LIGHTING		Lighting	20 A	1	360 VA / 540 VA			1	20 A	Receptacle		106A PLAYERS LOUNGE REC	38
39	110 MECH / ELEC HWCP-BB-1		Power	20 A	1		44 VA / 180 VA		1	20 A	Power		110 MECH / ELEC HWCP-BB-2	40
41	101 PLAYERS LOCKER ROOM LOCKER LIGHTING		Lighting	20 A	1			180 VA / 180 VA	1	20 A	Receptacle		101B PLAYERS RR & SHOWERS REC	42
43	101 PLAYERS LOCKER ROOM LOCKER LIGHTING		Lighting	20 A	1	180 VA / 0 VA			1	20 A	--		SPARE	44
45	101 PLAYERS LOCKER ROOM LOCKER LIGHTING		Lighting	20 A	1		180 VA / 0 VA		1	20 A	--		SPARE	46
47	101 PLAYERS LOCKER ROOM LOCKER LIGHTING		Lighting	20 A	1			180 VA / 0 VA	1	20 A	--		SPARE	48
49	SPARE		--	20 A	1	0 VA / 0 VA			1	20 A	--		SPARE	50
51	SPARE		--	20 A	1		0 VA / 0 VA		1	20 A	--		SPARE	52
53	SPARE		--	20 A	1			0 VA / 0 VA	1	20 A	--		SPARE	54
55	SPARE		--	20 A	1	0 VA / 0 VA			1	20 A	--		SPARE	56
57	SPARE		--	20 A	1		0 VA / 0 VA		1	20 A	--		SPARE	58
59	SPARE		--	20 A	1			0 VA / 0 VA	1	20 A	--		SPARE	60
			Total Load:			8450 VA	9472 VA	6588 VA						
			Total Amps:			73 A	81 A	55 A						

Legend:

Load Class	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1080 VA	125.00%	1350 VA		
Other	120 VA	100.00%	120 VA	**Total Conn. Load:**	24510 VA
Power	1810 VA	100.00%	1810 VA	**Total Est. Demand:**	19030 VA
Receptacle	21500 VA	73.26%	15750 VA	**Total Conn. Current:**	68 A
				Total Est. Demand Current:	53 A

Notes:

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

NO.	DATE	ISSUED / REVISION
B	05/27/2025	DD SET
C	11/21/2025	BID/PERMIT SET
E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
ELECTRICAL SCHEDULES

E7.01B

Branch Panel: 1HN1-SB — New Construction

Location: MECH / ELEC 210
Supply From: MDP-SB
Mounting: Surface
Enclosure: NEMA 1

Volts: 480/277 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35 KAIC
Mains Type: MLO
Mains Rating: 200 A
MCB Rating: 200 A

Notes:

#	Circuit Description	Notes	Load Class	Trip	Poles	A	B	C	Poles	Trip	Load Class	Notes	Circuit Description	#
1	205B PLAYERS LOUNGE V-04-SB		Disconnect	15 A	3	2000 VA	1000 VA		3	15 A	Disconnect		210 MECH / ELEC EUH-1-SB	2
3	--	--	--	--	--		2000 VA	1000 VA	--	--	--	--	--	4
5	--	--	--	--	--			2000 VA	1000 VA	--	--	--	--	6
7	204 FLEX ROOM F-02-SB		Disconnect	15 A	1	2000 VA	2667 VA		3	15 A	Disconnect		205A CORRIDOR V-01-SB	8
9	206 SATELLITE P.T. F-03-SB		Disconnect	15 A	1		2000 VA	2667 VA	--	--	--	--	--	10
11	206 SATELLITE P.T. V-03-SB		Disconnect	15 A	3			1167 VA	2667 VA	--	--	--	--	12
13	--	--	--	--	--	1167 VA	1167 VA		3	15 A	Disconnect		207 CORRIDOR F-04-SB	14
15	--	--	--	--	--		1167 VA	1167 VA	--	--	--	--	--	16
17	209 EQUIP. & STORAGE EUH-2-SB		Disconnect	15 A	3			2500 VA	1167 VA	--	--	--	--	18
19	--	--	--	--	--	2500 VA	4800 VA		1	25 A	Disconnect		209 EQUIP. & STORAGE EWH-1-SB	20
21	--	--	--	--	--		2500 VA	0 VA	1	20 A	--		SPARE	22
23	203 COACHES LOCKERS V-02-SB		Disconnect	15 A	3			2833 VA	1833 VA	3	15 A	Disconnect	203 COACHES LOCKERS V-05-SB	24
25	--	--	--	--	--	2833 VA	1833 VA		--	--	--	--	--	26
27	--	--	--	--	--		2833 VA	1833 VA	--	--	--	--	--	28
29	203 COACHES LOCKERS EWH-3-SB		Disconnect	20 A	1			1500 VA	1500 VA	1	20 A	Disconnect	203 COACHES LOCKERS EWH-2-SB	30
31	SPARE		--	20 A	1	0 VA	0 VA		1	20 A	--		SPARE	32
33	201A VEST. F-01-SB		Disconnect	30 A	3		4333 VA	1500 VA	1	20 A	--		WASHER (FUTURE)	34
35	--	--	--	--	--			4333 VA	1500 VA	1	20 A	--	WASHER (FUTURE)	36
37	--	--	--	--	--	4333 VA	2500 VA		2	20 A	--		DRYER (FUTURE)	38
39	DRYER (FUTURE)		--	20 A	2		2500 VA	2500 VA	--	--	--	--	--	40
41	--	--	--	--	--			2500 VA	2500 VA	3	20 A	--	ELECTRIC WATER HEATER (FUTURE)	42
43	LIGHTING TOP ROW SB		Lighting	20 A	1	648 VA	2500 VA		--	--	--	--	--	44
45	LIGHTING MIDDLE ROW SB		Lighting	20 A	1		1265 VA	2500 VA	--	--	--	--	--	46
47	LIGHTING BOTTOM ROW SB		Lighting	20 A	1			585 VA	109 VA	1	20 A	Lighting	210 MECH / ELEC LCR1-SB	48
49	ELECTRIC UNIT HEATER (FUTURE)		--	20 A	3	1000 VA	0 VA		1	20 A	--		SPARE	50
51	--	--	--	--	--		1000 VA	0 VA	1	20 A	--		SPARE	52
53	--	--	--	--	--			1000 VA	0 VA	1	20 A	--	SPARE	54
55	SPARE		--	20 A	1	0 VA	0 VA		1	20 A	--		SPARE	56
57	SPARE		--	20 A	1		0 VA	0 VA	1	20 A	--		SPARE	58
59	SPARE		--	20 A	1			0 VA	0 VA	1	20 A	--	SPARE	60
			Total Load:			32948 VA	32765 VA	30694 VA						
			Total Amps:			120 A	119 A	111 A						

Legend:

Load Class	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	2607 VA	125.00%	3259 VA		
Disconnect	70300 VA	100.00%	70300 VA	**Total Conn. Load:**	96407 VA
Spare	23500 VA	100.00%	23500 VA	**Total Est. Demand:**	97059 VA
				Total Conn. Current:	116 A
				Total Est. Demand Current:	117 A

Notes:

Branch Panel: 1LN1-SB — New Construction

Location: MECH / ELEC 210
Supply From: 1TN1-SB
Mounting: Surface
Enclosure: NEMA 1

Volts: 208/120 Wye
Phases: 3
Wires: 4

A.I.C. Rating: 35 KAIC
Mains Type: MCB
Mains Rating: 250 A
MCB Rating: 250 A

Notes:

#	Circuit Description	Notes	Load Class	Trip	Poles	A	B	C	Poles	Trip	Load Class	Notes	Circuit Description	#
1	< 3788421 not in room> REC; < 3799423 not in room> REC; < 4326310 not in room> REC		Receptacle	20 A	1	540 VA	540 VA		1	20 A	Receptacle		210 MECH / ELEC REC	2
3	204 FLEX ROOM REC		Receptacle	20 A	1			1080 VA	720 VA	1	20 A	Receptacle	205B PLAYERS LOUNGE REC	4
5	200 ALUMNI LOBBY REC		Receptacle	20 A	1				1080 VA	900 VA	1	20 A	Receptacle	201 PLAYERS LOCKER ROOM REC; 201A VEST. REC	6
7	201 PLAYERS LOCKER ROOM REC		Receptacle	20 A	1	720 VA	180 VA				1	20 A	Receptacle	202 INDIV. RR REC	8
9	203A INDIV. RR REC		Receptacle	20 A	1			180 VA	900 VA		1	20 A	Receptacle	203 COACHES LOCKERS REC; 203B INDIV. CHANGING REC	10
11	201B PLAYERS RR & SHOWERS REC		Receptacle	20 A	1				540 VA	540 VA	1	20 A	Receptacle	209 EQUIP. & STORAGE REC	12
13	207 CORRIDOR REC; 208 IT ROOM REC		Receptacle	20 A	1	900 VA	800 VA				1	20 A	Receptacle	208 IT ROOM REC	14
15	208 IT ROOM REC		Receptacle	20 A	1			800 VA	1080 VA		1	20 A	Receptacle	206 SATELLITE P.T. REC	16
17	205C NUTRITION REC		Receptacle	20 A	1				540 VA	360 VA	1	20 A	Receptacle	911 REC; < 4326329 not in room> REC	18
19	SOFTBALL ROOF REC		Receptacle	20 A	1	540 VA	360 VA				1	20 A	Receptacle	201B PLAYERS RR & SHOWERS REC; 201C JAN. REC	20
21	206 SATELLITE P.T. REC		Receptacle	20 A	1			1000 VA	600 VA		1	20 A	Receptacle	205C NUTRITION REC	22
23	200 ALUMNI LOBBY FAAP; 208 IT ROOM FACP		Other	20 A	1				120 VA	540 VA	1	20 A	Receptacle	205A CORRIDOR REC; 205C NUTRITION REC	24
25	205C NUTRITION REC		Receptacle	20 A	1	1000 VA	540 VA				1	20 A	Receptacle	205B PLAYERS LOUNGE REC	26
27	205C NUTRITION REC		Receptacle	20 A	1			1000 VA	530 VA		1	20 A	Power	SOFTBALL ROOF EF-4-SB	28
29	SOFTBALL ROOF EF-2-SB		Power	20 A	1				530 VA	170 VA	1	20 A	Power	SOFTBALL ROOF EF-1-SB	30
31	SOFTBALL ROOF EF-1-SB		Power	20 A	1	170 VA	360 VA				1	20 A	Lighting	201 PLAYERS LOCKER ROOM LOCKER LIGHTING	32
33	210 MECH / ELEC HWCP-SB-1		Power	20 A	1			44 VA	44 VA		1	20 A	Power	210 MECH / ELEC HWCP-SB-2	34
35	SPARE		--	20 A	1				0 VA	360 VA	1	20 A	Lighting	201 PLAYERS LOCKER ROOM LOCKER LIGHTING	36
37	SPARE		--	20 A	1	0 VA	180 VA				1	20 A	Lighting	201 PLAYERS LOCKER ROOM LOCKER LIGHTING	38
39	SPARE		--	20 A	1			0 VA	180 VA		1	20 A	Lighting	201 PLAYERS LOCKER ROOM LOCKER LIGHTING	40
41	SPARE		--	20 A	1				0 VA	0 VA	1	20 A	--	SPARE	42
43	SPARE		--	20 A	1	0 VA	0 VA				1	20 A	--	SPARE	44
45	SPARE		--	20 A	1			0 VA	0 VA		1	20 A	--	SPARE	46
47	SPARE		--	20 A	1				0 VA	0 VA	1	20 A	--	SPARE	48
49	SPARE		--	20 A	1	0 VA	0 VA				1	20 A	--	SPARE	50
51	SPARE		--	20 A	1			0 VA	0 VA		1	20 A	--	SPARE	52
53	SPARE		--	20 A	1				0 VA	0 VA	1	20 A	--	SPARE	54
55	SPARE		--	20 A	1	0 VA	0 VA				1	20 A	--	SPARE	56
57	SPARE		--	20 A	1			0 VA	0 VA		1	20 A	--	SPARE	58
59	SPARE		--	20 A	1				0 VA	0 VA	1	20 A	--	SPARE	60
			Total Load:			6830 VA	8158 VA	5680 VA						
			Total Amps:			58 A	69 A	47 A						

Legend:

Load Class	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Lighting	1080 VA	125.00%	1350 VA		
Other	120 VA	100.00%	120 VA	**Total Conn. Load:**	20668 VA
Power	1488 VA	100.00%	1488 VA	**Total Est. Demand:**	16948 VA
Receptacle	17980 VA	77.81%	13990 VA	**Total Conn. Current:**	57 A
				Total Est. Demand Current:	47 A

Notes:

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E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
ELECTRICAL SCHEDULES

E7.01S

BASEBALL SMALL INVERTER SCHEDULE

RELAY PANEL NAME: BATTERY INVERTER — INPUT VOLTAGE: 277V, 1-PHASE — MINIMUM INVERTER SIZE: 1000VA
PANEL LOCATION/ROOM NUMBER: MECH / ELEC 110 — OUTPUT VOLTAGE: 277V, 1-PHASE

OUTPUT NUMBER	LOAD DESCRIPTION	OUTPUT TYPE	LOAD	DERATING	LOAD
1	EXTERIOR BUILDING MOUNTED LIGHTS	ON	125 W	15 %	144 W
2	INTERIOR NL / EM LIGHT FIXTURES	ON	514 W	15 %	591 W
3	INTERIOR EXIT SINGS	ON	16 W	15 %	18 W
4	SPARE	ON	0 W	15 %	0 W
				LOAD	753 W

GENERAL NOTES:
SEE SPECIFICATIONS FOR REQUIREMENTS.

SOFTBALL SMALL INVERTER SCHEDULE

RELAY PANEL NAME: BATTERY INVERTER — INPUT VOLTAGE: 277V, 1-PHASE — MINIMUM INVERTER SIZE: 750VA
PANEL LOCATION/ROOM NUMBER: MECH / ELEC 210 — OUTPUT VOLTAGE: 277V, 1-PHASE

OUTPUT NUMBER	LOAD DESCRIPTION	OUTPUT TYPE	LOAD	DERATING	LOAD
1	EXTERIOR BUILDING MOUNTED LIGHTS	ON	109 W	15 %	125 W
2	INTERIOR NL / EM LIGHT FIXTURES	ON	442 W	15 %	508 W
3	INTERIOR EXIT SINGS	ON	18 W	15 %	21 W
4	SPARE	ON	0 W	15 %	0 W
				LOAD	654 W

GENERAL NOTES:
SEE SPECIFICATIONS FOR REQUIREMENTS.

LUMINAIRE (LIGHT FIXTURE) SCHEDULE

ABBREVIATIONS

MOUNTING (MTG)	SOURCE
CL - CEILING SURFACE	CF - COMPACT FLUORESCENT
CV - COVE	CMH - CERAMIC METAL HALIDE
O - OTHER (SEE DESCRIPTION)	FL - FLUORESCENT
RE - RECESSED	LED - LIGHT EMITTING DIODE
SP - SUSPENDED	MH - METAL HALIDE
S - SURFACE	O - OTHER (SEE DESCRIPTION)
UC - UNDER CABINET	
WL - WALL	

GENERAL NOTES

1. REFER TO SPECIFICATION SECTION 265113 "LUMINAIRE LIST" FOR ADDITIONAL LUMINAIRE (LIGHT FIXTURE) INFORMATION AND REQUIREMENTS.
2. REFER TO SECTION 265100 "LIGHTING EQUIPMENT" AND SECTION 265200 "EMERGENCY LIGHTING EQUIPMENT" FOR ADDITIONAL RELATED LIGHTING EQUIPMENT REQUIREMENTS.
3. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR CEILING TYPES AND HEIGHTS. CONTRACTOR TO VERIFY COMPATIBILITY OF LUMINAIRES (LIGHT FIXTURES) WITH CEILING MATERIAL, ADJACENT FINISHES, ADJACENT CONSTRUCTION AND MATERIALS PRIOR TO SHOP DRAWING SUBMITTAL AND NOTIFY THE ARCHITECT AND ENGINEER OF ANY CONFLICTS WITH THE PROPOSED INSTALLATION. CONTRACTORS TO COORDINATE ALL LUMINAIRE (LIGHT FIXTURE) TRIMS AND TRIM FINISHES TO MATCH THE CEILING SYSTEMS, BOTH AS SPECIFIED AND AS SUCCESSFULLY AWARDED, PURCHASED CEILING SYSTEMS. MULTIPLE TRIM COLORS AND TILES MAY BE NEEDED FOR EACH LUMINAIRE (LIGHT FIXTURE) TYPE.
4. REFER TO LIGHTING PLANS AND PANEL SCHEDULES FOR VOLTAGE INFORMATION.
5. DEFINITIONS:
   a. DESIGN BASIS MANUFACTURER: WHERE LISTED IN EACH RESPECTIVE LUMINAIRE SCHEDULE, THE "DESIGN BASIS" MANUFACTURER MODEL SERIES NUMBER SHALL SERVE TO INDICATE THE LEVEL OF QUALITY AND MINIMUM REQUIREMENTS FOR THE LUMINAIRE TO BE FURNISHED.
   b. ACCEPTABLE MANUFACTURER: WHERE ACCEPTABLE MANUFACTURERS ARE LISTED IN EACH RESPECTIVE LUMINAIRE SCHEDULE, THIS SHALL BE INTERPRETTED TO MEAN THAT LUMINAIRES BY THE LISTED MANUFACTURERS WILL BE ACCEPTABLE AS EQUALS TO THE "DESIGN BASIS" MANUFACTURER LUMINAIRE PROVIDED THAT THE MANUFACTURER DEMONSTRATES FULL COMPLIANCE WITH ALL OF THE REQUIREMENTS CONTAINED IN THESE CONTRACT DOCUMENTS.
6. PRODUCT SAMPLES: THE ENGINEER/DESIGNER RESERVES THE RIGHT TO REQUEST AN ENGINEERING SAMPLE PRODUCT OF EACH AND EVERY LUMINAIRE FOR INSPECTION. SAMPLES SUBMITTED SHALL BE IN FULL COMPLIANCE WITH THE SPECIFICATIONS INCLUDING BUT NOT LIMITED TO CONSTRUCTION, DESIGN, VISUAL APPEARANCE, AND PERFORMANCE. THE MANUFACTURER SHALL HAVE PREVIOUSLY BUILT THE LUMINAIRE AND THE LUMINAIRE SHALL BE A PRODUCTION ITEM. THE SAMPLE SHALL REMAIN ON FILE AS COMPARISON WITH THE MATERIALS FURNISHED ON THE PROJECT. MATERIALS NOT EQUAL TO THE APPROVED SAMPLE WILL BE REJECTED.

TYPE	DESCRIPTION	DIMENSIONS (MAX) L	W	H	DIA	MTG	SOURCE	LUMENS (MIN)	INPUT WATTS (MAX)	VOLTS	CRI (MIN)	CCT	DRIVER	FINISH	LISTING	DESIGN BASIS MANUFACTURER	ACCEPTABLE MANUFACTURER	REMARKS
DSA-4	4" SQUARE CANLESS DOWNLIGHT REFLECTOR: 60 DEGREE BEAM LOCATION: GENERAL	1' - 2 1/2"	1' - 2 1/2"	0' - 5"	0' - 0"	RE	LED	1000 L	12 W	277	83	3500K	0-10V DIM	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	PRESCOLITE "LBRP-SQD" SERIES	1. GOTHAM 2. HALO 3. SOLAIS 4. LIGHTHEADED	
DSB-4	4" SQUARE SHOWER DOWNLIGHT HOUSING: 16 GAUGE COLD-ROLLED STEEL REFLECTOR: DIFFUSED LENS, 60 DEGREE OPTICS LOCATION: SHOWERS	1' - 2 1/2"	1' - 2 1/2"	0' - 5"	0' - 0"	RE	LED	1000 L	12 W	277	83	3500K	0-10V DIM	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	ALPHABET "NUE4-QD" SERIES	1. GOTHAM 2. LUMENWERX 3. SOLAIS 4. LIGHTHEADED	
IA-4	SUSPENDED LENSED STRIP UNIT LENS: CURVED FROSTED POLYCARBONATE DISTRIBUTION: WIDE LOCATION: MECHANICAL/ELECTRICAL & EQUIPMENT ROOMS	4' - 0"	0' - 4"	0' - 4"	0' - 0"	SP	LED	4000 L	27 W	277	80	3500K	0-10V DIM	STANDARD	UL LISTED FOR DAMP LOCATIONS	COLUMBIA "CSL" SERIES	1. LITHONIA 2. METALUX 3. FSC LIGHTING 4. DAY-BRITE	1. PROVIDE ALL REQUIRED MOUNTING HARDWARE.
IB-4	SUSPENDED LENSED STRIP UNIT LENS: CURVED FROSTED POLYCARBONATE DISTRIBUTION: WIDE LOCATION: COVERED WALKWAYS	4' - 0"	0' - 3 1/2"	0' - 2 1/2"	0' - 0"	S	LED	3200 L	24 W	277	80	3500K	0-10V DIM	STANDARD	UL LISTED FOR WET LOCATIONS	KENALL "MLHA3" SERIES	1. FINELITE 2. COLUMBIA	1. PROVIDE ALL REQUIRED MOUNTING HARDWARE.
LPA-10	ALUMINUM CAST SUSPENDED LINEAR DIRECT UNIT HOUSING: EXTRUDED ALUMINUM AND FULLY ADJUSTABLE AIRCRAFT CABLE BOTH VERTICALLY AND HORIZONTALLY REFLECTOR/LENS: FLUSH DIFFUSE SNAP-IN ACRYLIC LENS WITH FROSTED FINISH. DISTRIBUTION: DIRECT LOCATION: PLAYERS LOUNGE	10' - 0"	0' - 2"	0' - 4"	0' - 0"	SP	LED	330 L/FT	4 W/FT	277	80	3500K	0-10V DIMMING	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	FINELITE "HPX-P" SERIES	1. MARK LIGHTING 2. LUMENWERX 3. AMERICAN LINEAR LIGHTING 4. NULITE	1. THE LENS SHALL BE PROVIDED IN INDIVIDUAL SECTIONS OF OVERALL LENGTH REQUIRED FOR A CONTINUOUS APPEARANCE THE ENTIRE LENGTH OF THE COMPLETE UNIT. ANY INDIVIDUAL SECTION OF LENS SHALL NOT BE SHORTER THAN 4'-0" AND SHALL NOT EXCEED 8'-0" IN LENGTH.
LRA-39	2" RECESSED LINEAR DIRECT UNIT HOUSING: EXTRUDED ALUMINUM WITH DIE-CAST ENDCAPS REFLECTOR/LENS: HIGHLY REFLECTIVE DIE-FORMED WHITE PAINTED COLD-ROLLED STEEL REFLECTOR AND FLUSH DIFFUSE SNAP-IN ACRYLIC LENS WITH FROST OR SANDBLASTED FINISH. DISTRIBUTION: DIRECT LOCATION: GENERAL	39' - 0"	0' - 2"	0' - 2 1/2"	0' - 0"	RE	LED	330 L/FT	4 W/FT	277	80	3500K	0-10V DIMMING	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	FINELITE "HP2R" SERIES	1. MARK LIGHTING 2. LUMENWERX 3. AMERICAN LINEAR LIGHTING 4. NULITE	1. THE LENS SHALL BE PROVIDED IN INDIVIDUAL SECTIONS OF OVERALL LENGTH REQUIRED FOR A CONTINUOUS APPEARANCE THE ENTIRE LENGTH OF THE COMPLETE UNIT. ANY INDIVIDUAL SECTION OF LENS SHALL NOT BE SHORTER THAN 4'-0" AND SHALL NOT EXCEED 8'-0" IN LENGTH. 2. PROVIDE ALL ACCESSORIES FOR A CLEAN LOOK WITH FIXTURE LVA-8 AT CEILING/WALL JUNCTION
LRA-54	2" RECESSED LINEAR DIRECT UNIT HOUSING: EXTRUDED ALUMINUM WITH DIE-CAST ENDCAPS REFLECTOR/LENS: HIGHLY REFLECTIVE DIE-FORMED WHITE PAINTED COLD-ROLLED STEEL REFLECTOR AND FLUSH DIFFUSE SNAP-IN ACRYLIC LENS WITH FROST OR SANDBLASTED FINISH. DISTRIBUTION: DIRECT LOCATION: LOCKER ROOMS	54' - 6"	0' - 2"	0' - 2 1/2"	0' - 0"	RE	LED	330 L/FT	4 W/FT	277	80	3500K	0-10V DIMMING	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	FINELITE "HP2R" SERIES	1. MARK LIGHTING 2. LUMENWERX 3. AMERICAN LINEAR LIGHTING 4. NULITE	1. THE LENS SHALL BE PROVIDED IN INDIVIDUAL SECTIONS OF OVERALL LENGTH REQUIRED FOR A CONTINUOUS APPEARANCE THE ENTIRE LENGTH OF THE COMPLETE UNIT. ANY INDIVIDUAL SECTION OF LENS SHALL NOT BE SHORTER THAN 4'-0" AND SHALL NOT EXCEED 8'-0" IN LENGTH. 2. PROVIDE ALL ACCESSORIES FOR A CLEAN LOOK WITH FIXTURE LVA-8 AT CEILING/WALL JUNCTION
LVA-8	2" RECESSED MOUNT LINEAR VERTICAL UNIT HOUSING: EXTRUDED ALUMINUM WITH DIE-CAST ENDCAPS REFLECTOR/LENS: HIGHLY REFLECTIVE DIE-FORMED WHITE PAINTED COLD-ROLLED STEEL REFLECTOR AND FLUSH DIFFUSE SNAP-IN ACRYLIC LENS WITH FROST OR SANDBLASTED FINISH. DISTRIBUTION: DIRECT LOCATION: LOCKER ROOMS	0' - 4"	0' - 2"	8' - 0"	0' - 0"	WL	LED	330 L/FT	4 W/FT	277	80	3500K	0-10V DIM	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	FINELITE "HP2R" SERIES	1. MARK LIGHTING 2. LUMENWERX 3. AMERICAN LINEAR LIGHTING 4. NULITE	1. THE LENS SHALL BE PROVIDED IN INDIVIDUAL SECTIONS OF OVERALL LENGTH REQUIRED FOR A CONTINUOUS APPEARANCE THE ENTIRE LENGTH OF THE COMPLETE UNIT. ANY INDIVIDUAL SECTION OF LENS SHALL NOT BE SHORTER THAN 4'-0" AND SHALL NOT EXCEED 8'-0" IN LENGTH. 2. PROVIDE ALL ACCESSORIES FOR A CLEAN LOOK WITH FIXTURE LVA-8 AT CEILING/WALL JUNCTION
PA	4" AIRCRAFT CABLE SUSPENDED CYLINDER HOUSING: DIE-CAST ALUMINUM OPTICS: SPUN ALUMINUM REFLECTOR DISTRIBUTION: 60 DEGREE CUTOFF LOCATION: GENERAL	0' - 4"	0' - 4"	1' - 2"	0' - 4"	SP	LED	1000 L	12 W	277	80	3500K	0-10V DIM	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	GREEN CREATIVE "PXCYL" SERIES	1. GOTHAM 2. SSL 3. VANTAGE 4. SPECTRUM LIGHTING	
PB	6" AIRCRAFT CABLE SUSPENDED CYLINDER HOUSING: DIE-CAST ALUMINUM OPTICS: SPUN ALUMINUM REFLECTOR DISTRIBUTION: 60 DEGREE CUTOFF LOCATION: ALUMNI LOBBY	0' - 6"	0' - 6"	1' - 0"	0' - 6"	SP	LED	2500 L	22 W	277	80	3500K	0-10V DIM	AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	GREEN CREATIVE "PXCYL" SERIES	1. GOTHAM 2. SSL 3. VANTAGE 4. SPECTRUM LIGHTING	
UC	UNDERCABINET SOLID-FRONT TASK LIGHT HOUSING: EXTRUDED ALUMINUM WITH NO VISIBLE FASTENERS AND INTEGRAL DRIVER. LENS: IMPACT RESISTANT FROSTED ACRYLIC. MOUNTING: WHERE NOTED ON PLANS AND DETAILS, PROVIDE HEAVY DUTY MAGNETS FOR FLEXIBLE MOUNTING TO METAL SHELVING UNITS AND 6'-0" STV CORD AND 15A, L5-20P TWIST LOCK PLUG. LOCATION:	1' - 0"	0' - 5"	0' - 1 1/2"	0' - 0"	S	LED	550 L	4 W	277	80	3500K		AS SELECTED BY ARCHITECT	UL LISTED FOR DAMP LOCATIONS	AIREY THOMPSON "13L" SERIES	1. HEALTHCARE LIGHTING 2. RAYON LIGHTING 3. AFX 4. DAY-BRITE	1. NO ROCKER SWITCH.
WMA	6" SURFACE MOUNT EXTERIOR CYLINDER HOUSING: EXTRUDED AND DIE-CAST ALUMINUM LENS: TEMPERED CLEAR GLASS AND FULLY GASKETED DISTRIBUTION: DIRECT LOCATION: ENTRY CANOPY	0' - 6 1/4"	0' - 6 1/4"	0' - 11"	0' - 6 1/4"	WL	LED	1500 L	14 W	277	80	3500K	0-10V DIM	AS SELECTED BY ARCHITECT	UL LISTED FOR WET LOCATIONS	FC LIGHTING "FCC600" SERIES	1. LUMINIS 2. NORA LIGHTING 3. SPECTRUM LIGHTING	
XCA	CEILING MOUNTED THERMOPLASTIC EXIT SIGN HOUSING: DURABLE INJECTION MOLDED ABS THERMOPLASTIC ARROWS/LETTERING COLOR: GREEN SPECIAL NOTE: ARROWS TO BE AS SHOWN ON DRAWINGS OR AS REQUIRED. THE UNIT SHALL BE SINGLE OR DOUBLE FACED AS SHOWN ON THE DRAWINGS OR AS REQUIRED. THE UNIT SHALL BE COMPLETE WITH UNIVERSAL CANOPY TO ALLOW FOR CEILING, WALL OR END MOUNTING AS REQUIRED. THE CONTRACTOR SHALL VERIFY ALL SINGLE OR DOUBLE FACE REQUIREMENTS, ARROW REQUIREMENTS AND MOUNTING REQUIREMENTS. LOCATION:	1' - 1"	0' - 2"	0' - 9"	0' - 0"	CL	LED		2W	120				ALUMINUM	UL 924 LISTED	DUAL LITE "EVE" SERIES	1. LITHONIA 2. SURE-LITES 3. MULE LIGHTING 4. CHLORIDE	
XWA	WALL MOUNTED THERMOPLASTIC EXIT SIGN HOUSING: DURABLE INJECTION MOLDED ABS THERMOPLASTIC ARROWS/LETTERING COLOR: GREEN SPECIAL NOTE: ARROWS TO BE AS SHOWN ON DRAWINGS OR AS REQUIRED. THE UNIT SHALL BE SINGLE OR DOUBLE FACED AS SHOWN ON THE DRAWINGS OR AS REQUIRED. THE UNIT SHALL BE COMPLETE WITH UNIVERSAL CANOPY TO ALLOW FOR CEILING, WALL OR END MOUNTING AS REQUIRED. THE CONTRACTOR SHALL VERIFY ALL SINGLE OR DOUBLE FACE REQUIREMENTS, ARROW REQUIREMENTS AND MOUNTING REQUIREMENTS. LOCATION:	1' - 0"	0' - 2"	0' - 9"	0' - 0"	WL	LED		2W	120				WHITE	UL 924 LISTED	DUAL-LITE "EVE" SERIES	1. LITHONIA 2. SURE-LTIES 3. MULE LIGHTING 4. CHLORIDE	1. PROVIDE SELF-DIAGNOSTICS. 2. LED TO BE RATED FOR 20 YEAR LIFE.

BASEBALL LIGHTING CONTROL RELAY 'LCR1-BB' SCHEDULE

RELAY PANEL NAME: LCR1-BB — INPUT VOLTAGE: 277V, 1-PHASE
PANEL LOCATION/ROOM NUMBER: MECH / ELEC 110 — OUTPUT VOLTAGE: 277V, 1-PHASE

RELAY/LOAD INFORMATION

RELAY NUMBER	LOAD DESCRIPTION	CONTROL BY	BRANCH CCT. PANEL	BRANCH CIRCUIT	RELAY TYPE	RELAY NUMBER	LOAD DESCRIPTION	CONTROL BY	BRANCH CCT. PANEL	BRANCH CIRCUIT	RELAY TYPE
1	EXTERIOR BUILDING MOUNTED LIGHTS	PHOTOCELL	1HN1-BB #54	1HN1-BB #54	30A/1P	2	SPARE	PHOTOCELL	1HN1-BB #54	1HN1-BB #54	30A/1P
3	SPARE	PHOTOCELL	1HN1-BB #54	1HN1-BB #54	30A/1P	4	SPARE	PHOTOCELL	1HN1-BB #54	1HN1-BB #54	30A/1P

GENERAL NOTES:
RELAY TYPES:
4-POLE RELAY WITH HAND-OFF-AUTO (H-O-A) AND PILOT LIGHT
OPERATION: ELECTRICAL OPERATED / MECHANICALLY HELD
CONTACTS: 30A/1P = 30 AMP LOAD RATED, SINGLE POLE

SOFTBALL LIGHTING CONTROL RELAY 'LCR1-SB' SCHEDULE

RELAY PANEL NAME: LCR1-SB — INPUT VOLTAGE: 277V, 1-PHASE
PANEL LOCATION/ROOM NUMBER: MECH / ELEC 210 — OUTPUT VOLTAGE: 277V, 1-PHASE

RELAY/LOAD INFORMATION

RELAY NUMBER	LOAD DESCRIPTION	CONTROL BY	BRANCH CCT. PANEL	BRANCH CIRCUIT	RELAY TYPE	RELAY NUMBER	LOAD DESCRIPTION	CONTROL BY	BRANCH CCT. PANEL	BRANCH CIRCUIT	RELAY TYPE
1	EXTERIOR BUILDING MOUNTED LIGHTS	PHOTOCELL	1HN1-SB #48	1HN1-SB #48	30A/1P	2	SPARE	PHOTOCELL	1HN1-SB #48	1HN1-SB #48	30A/1P
3	SPARE	PHOTOCELL	1HN1-SB #48	1HN1-SB #48	30A/1P	4	SPARE	PHOTOCELL	1HN1-SB #48	1HN1-SB #48	30A/1P

GENERAL NOTES:
RELAY TYPES:
4-POLE RELAY WITH HAND-OFF-AUTO (H-O-A) AND PILOT LIGHT
OPERATION: ELECTRICAL OPERATED / MECHANICALLY HELD
CONTACTS: 30A/1P = 30 AMP LOAD RATED, SINGLE POLE

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BASEBALL & SOFTBALL LOCKER ROOM BUILDINGS

BALL STATE UNIVERSITY
3200 N TILLOTSON AVE, MUNCIE, IN 47306
BALL STATE PROJECT NUMBER: 2024-008.01 A2/A9

NO.	DATE	ISSUED / REVISION
B	06/27/2025	DD SET
C	11/21/2025	BID/PERMIT SET
E	1/9/2026	ADDENDUM 3

PROJECT NO. **24104.00**

DRAWING TITLE:
LIGHT FIXTURE, RELAY & INVERTER SCHEDULES

E8.01