



Clemons, Rutherford  
& Associates Inc.

2027 Thomasville Road Tallahassee, Florida 32308

Architects ▪ Planners ▪ Interior Designers ▪ Construction Managers

# DEANE BOZEMAN SCHOOL

## COVERED PAVILION ENCLOSURE RENOVATION

### FOR BAY COUNTY SCHOOL DISTRICT

#### CONSULTANTS

##### STRUCTURAL ENGINEERS

JOHNSON AND ASSOCIATES  
ENGINEERING 200 GROVE PARK  
LANE, # 20 JOTTISAN, AL 3605  
(334) 674-4783

##### MECHANICAL, PLUMBING, FIRE ELECTRICAL ENGINEERS

REZ ENGINEERING, INC  
104 E. STEE AVENUE  
TALLAHASSEE, FLORIDA 32308  
(904) 234-7922

#### BAY COUNTY DISTRICT SCHOOLS



DEANE BOZEMAN  
SCHOOL BLDG 10  
COVERED PAVILION  
ENCLOSURE

13410 HWY 77  
PANAMA CITY, FL



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& Associates Inc.

Architects  
Planners  
Interior Designers  
Construction Managers

2027 Thomasville Road  
Tallahassee, Florida 32308

(850) 385-6153  
Fax (850) 386-8420

Gregory Westmoreland Kelley  
AR0016706

#### CONSTRUCTION DOCUMENTS

##### SUBMITTAL

| PHASE                  | DATE ISSUED      |
|------------------------|------------------|
| SCHEMATIC DESIGN       | FEBRUARY 5, 2024 |
| DESIGN DEVELOPMENT     | APRIL 5, 2024    |
| CONSTRUCTION DOCUMENTS | MAY 31, 2024     |
|                        |                  |
|                        |                  |
|                        |                  |
|                        |                  |
|                        |                  |

PROJECT NUMBER  
**23060**

SET NO.

#### PROJECT INFORMATION

##### APPLICABLE CODES:

- FLORIDA BUILDING CODE, BUILDING (FBC, B) - EIGHTH (2023) EDITION
- FLORIDA BUILDING CODE, MECHANICAL (FBC, M) - EIGHTH (2023) EDITION
- FLORIDA BUILDING CODE, FUEL GAS (FBC, FG) - EIGHTH (2023) EDITION
- FLORIDA BUILDING CODE, PLUMBING (FBC, P) - EIGHTH (2023) EDITION
- FLORIDA BUILDING CODE, ACCESSIBILITY - EIGHTH (2023) EDITION
- FLORIDA FIRE PREVENTION CODE (FFPC) - EIGHTH (2023) EDITION
- NFPA 101 LIFE SAFETY CODE - 2023 EDITION
- NATIONAL ELECTRICAL CODE (NEC) - 2023 EDITION
- STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES - 2014 EDITION

##### METHOD OF STRUCTURAL FIRE-PROOFING OF PROJECT AREA

|                         |     |
|-------------------------|-----|
| SELF-PROTECTING         | NO  |
| RATED MEMBRANE ASSEMBLY | NO  |
| SPRAYED ON              | NO  |
| OTHER                   | N/A |

##### RATING:

|                            |     |
|----------------------------|-----|
| EXTERIOR BEARING WALLS     | N/A |
| EXTERIOR NON-BEARING WALLS | N/A |
| COLUMNS                    | N/A |
| ROOF ASSEMBLY              | N/A |

##### NEW CONSTRUCTION

##### NEW BUILDING HEIGHT AND AREA:

|                         |               |
|-------------------------|---------------|
| OVERALL BUILDING HEIGHT | ONE (1) STORY |
| OVERALL BUILDING HEIGHT | 25'-0"        |
| OVERALL BUILDING AREA   | 3,600 SQ. FT. |

##### NEW CONSTRUCTION TYPE:

|                  |     |          |
|------------------|-----|----------|
| OVERALL BUILDING | FBC | TYPE IIB |
| PROJECT AREA     | YES |          |
| SPRINKLERED      |     |          |

##### CONSTRUCTION MATERIALS

|                |                |
|----------------|----------------|
| FLOOR          | STEEL/CONCRETE |
| PARTITIONS     | N/A            |
| EXTERIOR WALLS | STEEL/METAL    |
| STRUCTURE      | STEEL          |

##### PRINCIPAL OCCUPANCY:

|             |     |
|-------------|-----|
| EDUCATIONAL | YES |
|-------------|-----|

##### ACCESSORY OCCUPANCIES:

|          |     |
|----------|-----|
| ASSEMBLY | N/A |
| BUSINESS | N/A |
| OTHER    | N/A |

#### INDEX OF DRAWINGS

T1.1 COVER SHEET & INDEX OF DRAWINGS

##### STRUCTURAL

S1.1 FOUNDATION & SCHEMATIC  
ROOF FRAMING PLANS & SECTION

##### ARCHITECTURAL

A1.0 CAMPUS PLAN  
A1.1 COVERED PLAY PLAN, ELEVATION & SECTIONS

##### MECHANICAL

M0.1 GENERAL NOTES, LEGEND AND SCHEDULES  
M0.2 SCHEDULES  
M1.1 FLOOR PLAN  
M5.1 DETAILS

##### CONTROLS

IC0.1 GENERAL NOTES, LEGENDS AND SCHEDULES  
IC0.2 SCHEDULES AND DETAILS  
IC1.1 CONTROLS

##### ELECTRICAL

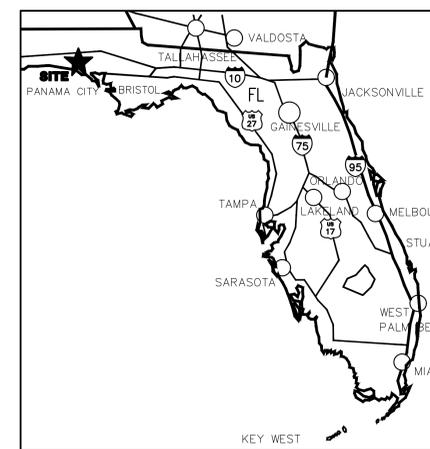
E0.1 GENERAL NOTES, LEGEND AND SCHEDULES  
E1.0 SITE PLAN  
E1.1 FLOOR PLANS

##### TELECOMM

T0.1 GENERAL NOTES, LEGEND AND SCHEDULES  
T1.0 SITE PLAN  
T1.1 FLOOR PLANS

##### FIRE ALARM

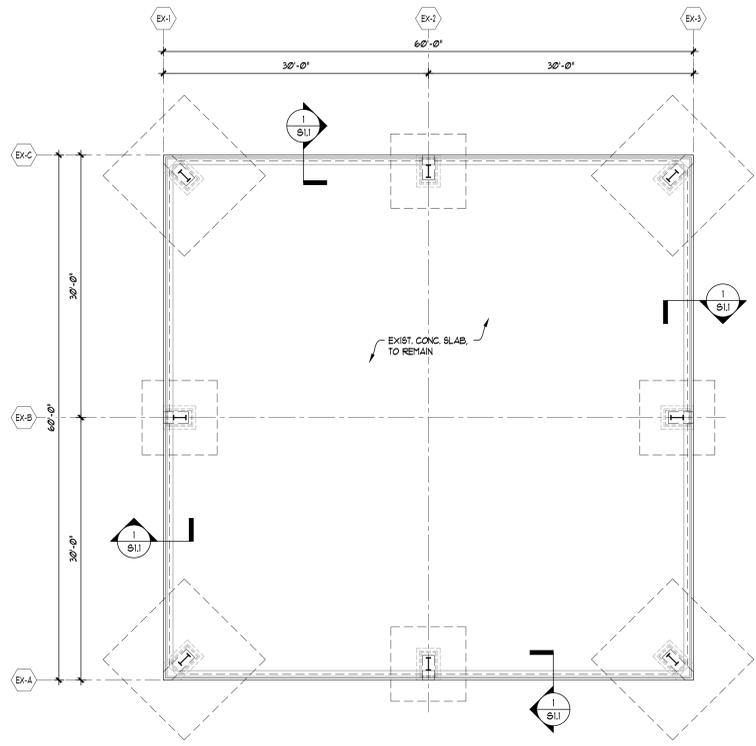
FE0.1 GENERAL NOTES, LEGENDS AND SCHEDULES  
FE1.1 FLOOR PLAN



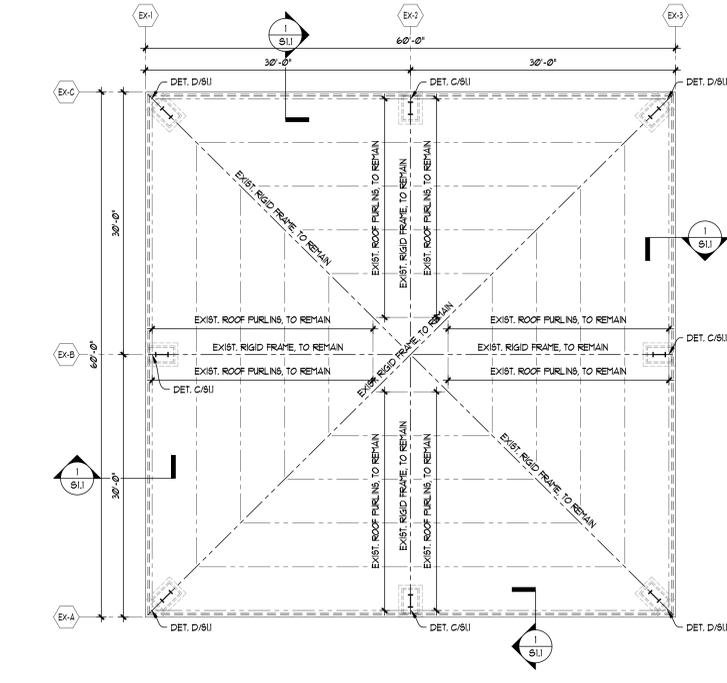
**LOCATION MAP**  
SCALE: N.T.S.

##### STATEMENT OF COMPLIANCE

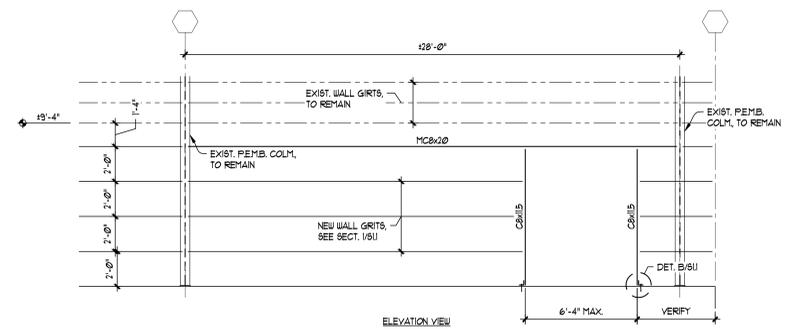
"TO THE BEST OF MY KNOWLEDGE, THESE DRAWINGS AND THE PROJECT MANUAL FOR THE ADDITIONS ON DEANE BOZEMAN'S SCHOOL CAMPUS, ARE COMPLETE AND COMPLY WITH THE FLORIDA BUILDING CODE 2023, THE STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES (SREF) 2014"



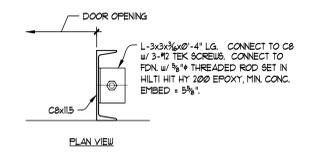
**FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"



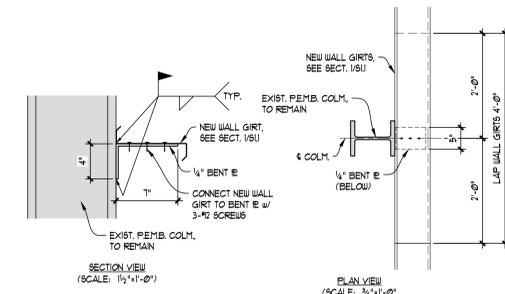
**SCHEMATIC ROOF FRAMING PLAN**  
SCALE: 1/8" = 1'-0"



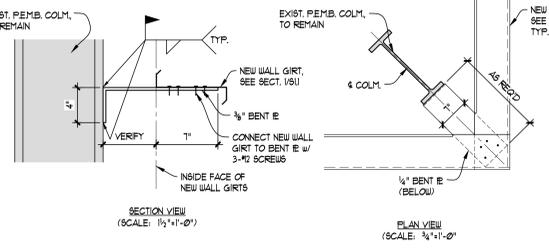
**DETAIL A**  
SCALE: 1/4" = 1'-0"



**DETAIL B**  
SCALE: 1/2" = 1'-0"



**DETAIL C**  
SCALE: AS NOTED



**DETAIL D**  
SCALE: AS NOTED

**GENERAL STRUCTURAL NOTES**

- GENERAL**
- NO PROVISION OF ANY REFERENCED STANDARD SPECIFICATION, MANUAL OR CODE (WHETHER OR NOT SPECIFICALLY INCORPORATED BY REFERENCE IN THE CONTRACT DOCUMENTS) SHALL BE EFFECTIVE TO CHANGE THE DUTIES AND RESPONSIBILITIES OF OWNER, CONTRACTOR, ENGINEER OR SUPPLIER OR ANY OF THEIR CONSULTANTS, AGENTS OR EMPLOYEES FROM THOSE SET FORTH IN THE CONTRACT DOCUMENTS, NOR SHALL IT BE EFFECTIVE TO ASSIGN TO THE STRUCTURAL ENGINEER OF RECORD OR ANY OF THE STRUCTURAL ENGINEER OF RECORD'S CONSULTANTS, AGENTS OR EMPLOYEES ANY DUTY OR AUTHORITY TO SUPERVISE OR DIRECT THE FURNISHING OR PERFORMANCE OF THE WORK OR AUTHORITY TO UNDERTAKE RESPONSIBILITIES CONTRARY TO THE PROVISIONS OF THE CONTRACT DOCUMENTS.
  - THE GENERAL CONTRACTOR SHALL VERIFY THE DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT/STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCY.
  - MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE EIGHTH EDITION (2013) FLORIDA BUILDING CODE.
  - THE CONTRACTOR SHALL COORDINATE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND OTHER WORKS WITH THE STRUCTURAL CONTRACT DOCUMENTS. ARCHITECT/STRUCTURAL ENGINEER OF RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES OR OMISSIONS.
  - THE CONTRACTOR SHALL NOTIFY IN WRITING THE STRUCTURAL ENGINEER OF RECORD OF CONDITIONS ENCOUNTERED IN THE FIELD CONTRADICTORY TO THOSE SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS.
  - FOR DIMENSIONS NOT SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS SEE THE ARCHITECTURAL.
  - STRUCTURAL CONTRACT DRAWINGS SHALL NOT INCLUDE SHOP DRAWINGS, VENDOR DRAWINGS, OR ANY MATERIAL PREPARED AND SUBMITTED BY THE CONTRACTOR OR SUBCONTRACTOR.
  - REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION OR ASSOCIATION TO CODES OF LOCAL OR STATE AUTHORITIES SHALL MEAN THE EDITION OF THE REFERENCED CODE INDICATED IN THE BUILDING CODE NOTED ABOVE.
  - ANY CONTRACTOR INTENDING TO SUPPORT EQUIPMENT, PIPING, DUCT WORK, CRANES OR OTHER ITEMS WHICH SUBJECT THE ROOF OR FLOOR SYSTEMS TO CONCENTRATED LOADINGS NOT SPECIFICALLY INDICATED ON THESE STRUCTURAL DRAWINGS, MUST SUBMIT SHOP DRAWINGS, WEIGHTS, AND PROPOSED SUPPORT LOCATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO ERECTION. ANY CONTRACTOR WHO ERECTS EQUIPMENT WITHOUT OBTAINING SUCH APPROVAL WILL BE REQUIRED EITHER TO REMOVE IT AND SUBMIT SHOP DRAWINGS OR STAND THE COST OF REQUIRED REINFORCEMENT OF MEMBERS.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR INITIATING, MAINTAINING AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE PERFORMANCE OF THE CONTRACT. THE CONTRACTOR SHALL GIVE NOTICES AND COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, REGULATIONS AND LAWFUL ORDER OF PUBLIC AUTHORITIES (ESPECIALLY OSHA) BEARING ON SAFETY OF PERSONS OR PROPERTY OR THEIR PROTECTION FROM DAMAGE, INJURY OR LOSS. THE CONTRACTOR SHALL NOT LOAD OR PERMIT ANY PART OF THE CONSTRUCTION SITE TO BE LOADED SO AS TO ENDANGER ITS SAFETY.
  - IN NO CASE SHALL STRUCTURAL ALTERATIONS OR WORK AFFECTING A STRUCTURAL MEMBER BE MADE, UNLESS APPROVED BY JOHNSON AND ASSOCIATES ENGINEERING IN WRITING.
  - THIS BUILDING IS DESIGNED AS AN ENCLOSED STRUCTURE. ALL EXTERIOR COMPONENTS (DOORS, WINDOWS, ETC) MUST BE DESIGNED TO WITHSTAND THE WIND LOADINGS SPECIFIED FOR THE DESIGN OF COMPONENTS AND CLADDING IN THE APPLICABLE BUILDING CODE.
  - THE CONTRACT DOCUMENT DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE SPECIFICATIONS AND/OR CODE OF PRACTICE FOR AISC, ACI, SJI, OR OTHER STANDARDS.
- STRUCTURAL METALS**
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A572 GRADE 50 EXCEPT ANGLES, CHANNELS, PLATES, RODS, ETC SHALL CONFORM TO ASTM A36 AND STRUCTURAL TUBING SHALL CONFORM TO ASTM A500 GRADE B (Fy=48ksi). ANCHOR BOLTS SHALL CONFORM TO ASTM A564 GRADE 36.
  - BOLTED CONNECTIONS SHALL BE NON-SLIP CRITICAL BEARING TYPE CONNECTIONS (THREADS EXCLUDED FROM THE SHEAR PLANE) USING 3/4" DIAMETER A-325 BOLTS. SLOTTED HOLES ARE PERMITTED ONLY WHERE THE DIRECTION OF THE LOAD IS NORMAL TO THE AXIS OF THE SLOT. BOLTED CONNECTIONS FOR TRUSS JOINTS, HANGERS AND DIAGONAL BRACING (AS OCCURS) SHALL BE SLIP CRITICAL.
  - USE FREQUALLY WELDED JOINTS PER AISC AND THE STRUCTURAL WELDING CODE OF THE AMERICAN WELDING SOCIETY. NON QUALIFIED JOINTS SHALL BE QUALIFIED BY THE FABRICATOR PRIOR TO FABRICATION.
  - SHOP PAINT FOR STRUCTURAL STEEL SHALL BE NEMCO 10-99. APPLY TO STRUCTURAL STEEL TO A MINIMUM DRY FILM THICKNESS OF 25 MILS. DO NOT PAINT STEEL TO BE FIRE-PROOFED WITH SPRAYED ON CEMENTITIOUS MATERIALS. DO NOT PAINT STEEL SURFACES TO BE EMBEDDED IN CONCRETE.
- COLD FORMED STEEL FRAMING**
- ALL COLD FORMED STEEL FRAMING SHALL BE MADE OF THE TYPE, SIZE, GAUGE AND SPACING SHOWN ON THE DRAWINGS AND SHALL BE MANUFACTURED BY UNLISTED INCORPORATED (OR APPROVED EQUAL).
  - ALL STRUCTURAL MEMBERS SHALL BE DESIGNED IN ACCORDANCE WITH AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, 1989 EDITION WITH 1995 ADDENDUM.
  - ALL STRUCTURAL MEMBERS SHALL BE FORMED FROM CORROSION-RESISTANT STEEL, CORRESPONDING TO THE REQUIREMENTS OF ASTM A653-94 AND SHALL BE ZINC COATED MEETING ASTM A524. STRUCTURAL MEMBERS SHALL BE FORMED FROM THE FOLLOWING GRADE OF MATERIAL:
  - YIELD STRENGTH: 33,000 psi (33 ksi) FOR ALL 20-GA. AND 18-GA. MEMBERS, 50,000 psi (50ksi) FOR 16-GA., 14-GA. AND 12-GA. MEMBERS.
  - FASTENINGS OF COMPONENTS SHALL BE WITH SELF-DRILLING SCREWS OR BY WELDING. SCREWS AND WELDS SHALL BE OF SUFFICIENT SIZE TO ENSURE THE STRENGTH OF THE CONNECTION. WIRE TYING OF COMPONENTS SHALL NOT BE PERMITTED. ALL WELDS SHALL BE TOUCHED-UP WITH ZINC-RICH PAINT.
  - SPLICES IN FRAMING COMPONENT SHALL NOT BE PERMITTED.
- STRUCTURAL SUBMITTALS**
- FURNISH ONE ELECTRONIC COPY OF ALL SHOP DRAWINGS AND SUBMITTALS.
  - SEE CONTRACT SPECIFICATIONS FOR ADDITIONAL SUBMITTAL REQUIREMENTS AND PROCEDURES.
  - REPRODUCTION OF CONTRACT DOCUMENTS FOR ERECTION AND/OR SHOP DRAWINGS WILL NOT BE PERMITTED.
  - REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, AND DIMENSIONS SPECIFIED IN THE CONTRACT DOCUMENTS. CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHOD, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION. SEE SPECIFIC PROVISIONS IN THE CONTRACT DOCUMENTS DEALING WITH THE APPROPRIATE DESIGN RESPONSIBILITIES OF CONTRACTORS, SUBCONTRACTORS, AND SUPPLIERS.

**STRUCTURAL SUBMITTALS (CONT.)**

- IN THE EVENT THAT JOHNSON & ASSOCIATES ENGINEERING REVIEWS SUBMITTALS (AS A COURTESY TO THE CONTRACTOR TO REDUCE THE TIME PRIOR TO THE START OF FABRICATION) WHICH HAVE NOT FIRST BEEN REVIEWED AND APPROVED BY THE CONTRACTOR, SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM REVIEW AND APPROVE ALL SUCH SUBMITTALS NOR WILL IT CREATE RESPONSIBILITY OR LIABILITY ON THE PART OF JOHNSON & ASSOCIATES ENGINEERING AS TO THE CONTENTS, ACCURACY OR COMPLETENESS OF SUCH SHOP DRAWINGS EXCEPT AS MAY BE SPECIFICALLY DESCRIBED IN THESE GENERAL NOTES. CONTRACTOR IS SOLELY RESPONSIBLE FOR REVIEW AND APPROVAL OF SHOP DRAWINGS AND OTHER SUBMITTALS, AND CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL REQUIREMENTS OF THE WORK OF THE CONTRACTOR AS PROVIDED FOR IN THE CONTRACT DOCUMENTS.
- THE REVIEW OF SUBMITTALS WILL BE MADE FOR LIMITED PURPOSES AND IS SUBJECT TO THE LIMITATIONS AND DISCLAIMERS SET FORTH IN THESE GENERAL NOTES. THE JOHNSON AND ASSOCIATES ENGINEERING REVIEW DOES NOT INVOLVE OR INCLUDE:
  - REVIEW OF SUBMITTAL DIMENSIONS AND QUANTITIES.
  - ACCEPTANCE OR ASSUMPTION OF ANY RESPONSIBILITY TO REVIEW, ANALYZE OR EVALUATE ANY SUBMITTALS INCLUDING SHOP DRAWINGS PROVIDED TO JOHNSON AND ASSOCIATES ENGINEERING OR ACCEPTANCE OR ASSUMPTION OF ANY PART OF CONTRACTOR'S RESPONSIBILITIES (WHICH INCLUDE THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND APPROVE SUBMITTAL), WHETHER OR NOT THE JOHNSON AND ASSOCIATES ENGINEERING REVIEW WAS MADE PRIOR TO THE REVIEW AND APPROVAL OF THE CONTRACTOR.
  - ANALYSIS, VERIFICATION OR SUBSTITUTION OF EQUIPMENT OR SYSTEM INSTALLATION OR PERFORMANCE OF EQUIPMENT OR SYSTEMS.
  - REVIEW, EVALUATION OR APPROVAL OF PROJECT SAFETY PRECAUTIONS OR SAFETY TRAINING.
  - REVIEW, EVALUATION OR APPROVAL OF CONSTRUCTION MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCES.

**DESIGN LOADS**

1. WIND LOADING CRITERIA (PER ASCE 1-22)

|                          |         |
|--------------------------|---------|
| BUILDING RISK CATEGORY   | III     |
| BASIC WIND SPEED         | 148 MPH |
| EXPOSURE CATEGORY        | C       |
| INTERNAL PRESSURE COEFF. | Gap     |

**DESIGN LOADS**

**COMPONENTS & CLADDING (WALLS)**

| LOCATION             | TRIBUTARY AREA | DESIGN WIND PRESSURE (PSF) |
|----------------------|----------------|----------------------------|
| WALL (EDGE ZONE)     | < 10 SF        | 53 PSF                     |
|                      | 10 - 20 SF     | 55 PSF                     |
|                      | 20 - 50 SF     | 50 PSF                     |
|                      | 50 - 100 SF    | 41 PSF                     |
| WALL (INTERIOR ZONE) | > 100 SF       | 43 PSF                     |
|                      | < 10 SF        | 43 PSF                     |
|                      | 10 - 20 SF     | 43 PSF                     |
| WALL (INTERIOR ZONE) | 20 - 50 SF     | 40 PSF                     |
|                      | 50 - 100 SF    | 40 PSF                     |
|                      | > 100 SF       | 31 PSF                     |

COMPONENTS AND CLADDING PRESSURES SHOWN IN THE TABLES ABOVE ARE STRENGTH DESIGN (ULTIMATE) PRESSURES PER THE ASCE 1-22. USE OF THESE PRESSURES FOR ALLOWABLE STRESS DESIGN (ASD) SHALL BE IN ACCORDANCE WITH THE LOAD COMBINATIONS SHOWN IN THE ASCE 1-22.

**PREENGINEERED SYSTEMS**

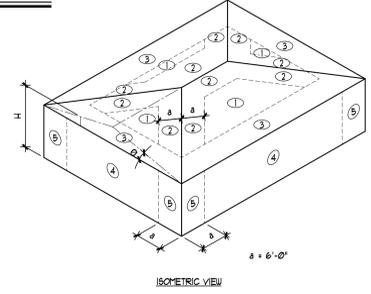
- THE DESIGN OF PREENGINEERED SYSTEMS SPECIFIED IN THE CONTRACT DOCUMENTS WHICH ARE DESIGNED/ENGINEERED BY OTHERS IS THE SOLE RESPONSIBILITY OF THE SUPPLIER AND ITS DESIGN ENGINEER, LICENSED IN THE PROJECT STATE. SUBMITTALS OF SUCH SYSTEMS TO THE STRUCTURAL ENGINEER OF RECORD SHALL BE REVIEWED FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS WITH REGARD TO THE ARRANGEMENT, AND/OR SIZES OF MEMBERS SHOWN ON THE CONTRACT DOCUMENTS AND TO INSURE CORRECT INTERPRETATION OF THE DESIGN INFORMATION INCLUDED IN THE CONTRACT DOCUMENTS. SUCH REVIEW BY THE STRUCTURAL ENGINEER OF RECORD SHALL NOT IMPLY ANY RESPONSIBILITY FOR THE ACTUAL DESIGN OF SUCH SYSTEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DIMENSIONAL ACCURACY AND CONFORMANCE WITH THE INFORMATION CONTAINED IN THE CONTRACT DOCUMENTS.
- SEE SPECIFIC SECTIONS OF GENERAL NOTES ABOVE AND SPECIFICATIONS FOR THE APPROPRIATE DESIGN RESPONSIBILITIES OF THE SUPPLIER AND ITS LICENSED ENGINEER.
- THE CONTRACT DOCUMENT DRAWINGS, GENERAL NOTES, AND SPECIFICATIONS SHALL GOVERN IN THE EVENT OF A CONFLICT WITH THE SPECIFICATIONS AND/OR CODE OF PRACTICE FOR AISC, ACI, SJI OR OTHER STANDARDS.

**ERECTION BRACING AND FORMWORK**

- THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, FORMWORK, SHORING, AND TEMPORARY SUPPORTS IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**JOB SITE SAFETY**

THE GENERAL CONTRACTOR IS SOLELY RESPONSIBLE FOR JOB SITE SAFETY AND FOR CONFORMANCE WITH THE HEALTH AND SAFETY PROVISIONS REQUIRED BY ANY REGULATORY AGENCIES. THE STRUCTURAL ENGINEER OF RECORD HAS NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR THEIR EMPLOYEES WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS.



**SCHEMATIC GENERALIZED WIND ZONE IDENTIFICATION MODEL (FOR USE WITH COMPONENT 4 CLADDING WIND PRESSURES)**

**BAY COUNTY DISTRICT SCHOOLS**  
**DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE**  
**PANAMA CITY, FLORIDA**



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e-mail cra@craarchitects.com  
Website www.craarchitects.com

Bradley B. Johnson  
FL PE No. 52284

**SUBMITTAL**

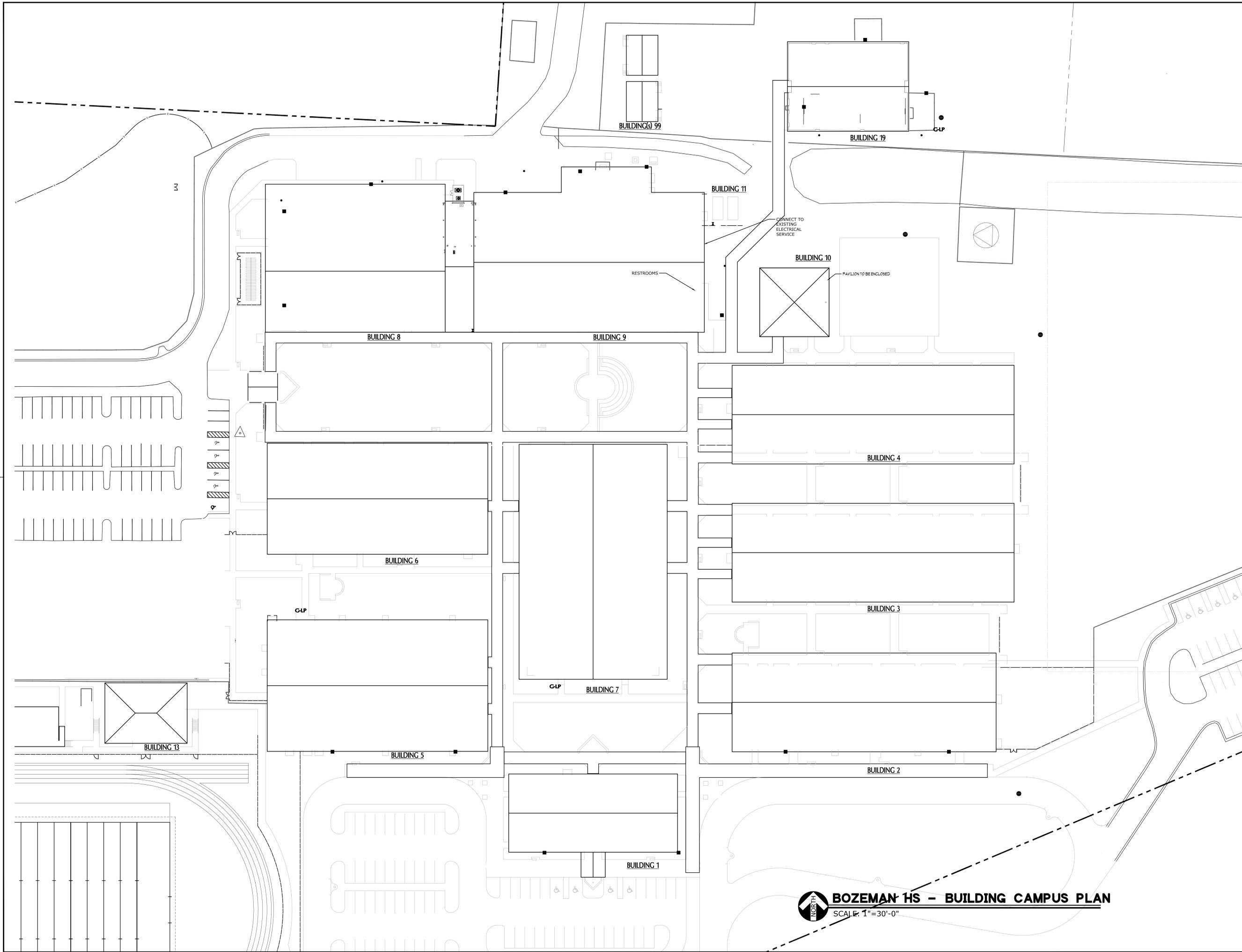
| PHASE | DATE    | DRAWN         | CHECK   |
|-------|---------|---------------|---------|
| CDs   | 4/5/24  | PIRATHANATHAN | BLONSON |
| CDs   | 5/30/24 | PIRATHANATHAN | BLONSON |

**REVISIONS**

| # | DATE | COMMENTS |
|---|------|----------|
|   |      |          |
|   |      |          |
|   |      |          |
|   |      |          |
|   |      |          |

**CRA PROJ.#: 23060**  
**PHASE: CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**FOUNDATION & SCHEMATIC ROOF FRAMING PLANS & SECTION**  
**S1.1**



**BAY COUNTY DISTRICT SCHOOLS**

**DEANE BOZEMAN SCHOOL  
PE PAVILION  
ENCLOSURE**

**PANAMA CITY, FLORIDA**



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e-mail  
cra@craarchitects.com

Website  
www.craarchitects.com

The drawings, specifications and other documents prepared by Clemons, Rutherford & Associates, Inc. (CRA) for this project are instruments of service for the work which is subject to this Project and, unless otherwise provided, CRA shall be deemed to warrant that these documents are true and correct as of the date of their issue and shall not be used for any other purpose, including but not limited to, other than the project for which they were prepared. The drawings, specifications and other documents shall not be used for any other project, for any other site, or for any other purpose, without the prior written consent of CRA. The drawings, specifications and other documents shall not be used for any other project, for any other site, or for any other purpose, without the prior written consent of CRA. The drawings, specifications and other documents shall not be used for any other project, for any other site, or for any other purpose, without the prior written consent of CRA.

Gregory Westmoreland Kelley  
AR0016706

| SUBMITTAL |        |       |       |
|-----------|--------|-------|-------|
| PHASE     | DATE   | DRAWN | CHECK |
| CD5       | 4/5/04 | ML    | ML    |
| CD6       | 5/3/04 | ML    | ML    |

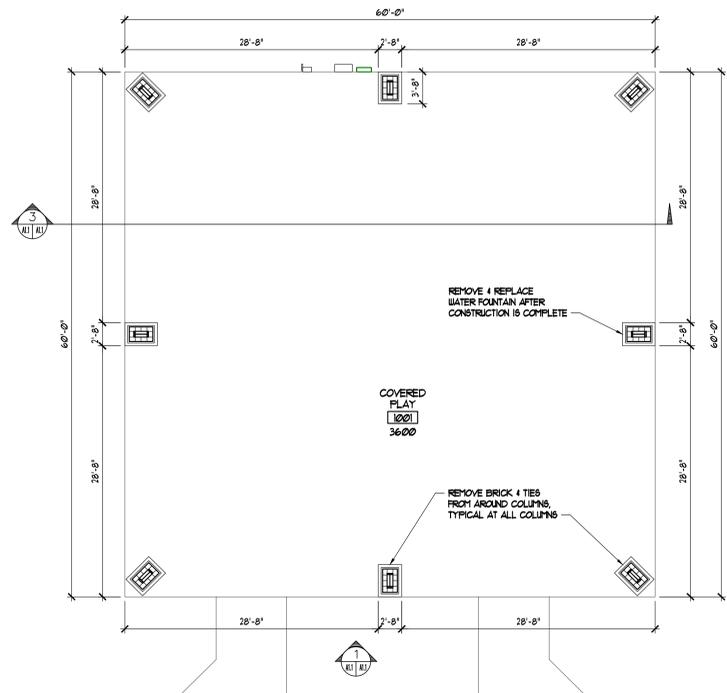
| REVISIONS |      |          |
|-----------|------|----------|
| #         | DATE | COMMENTS |
|           |      |          |
|           |      |          |
|           |      |          |

**CRA PROJ.#: 23080**  
**PHASE: CONSTRUCTION DOCUMENTS**

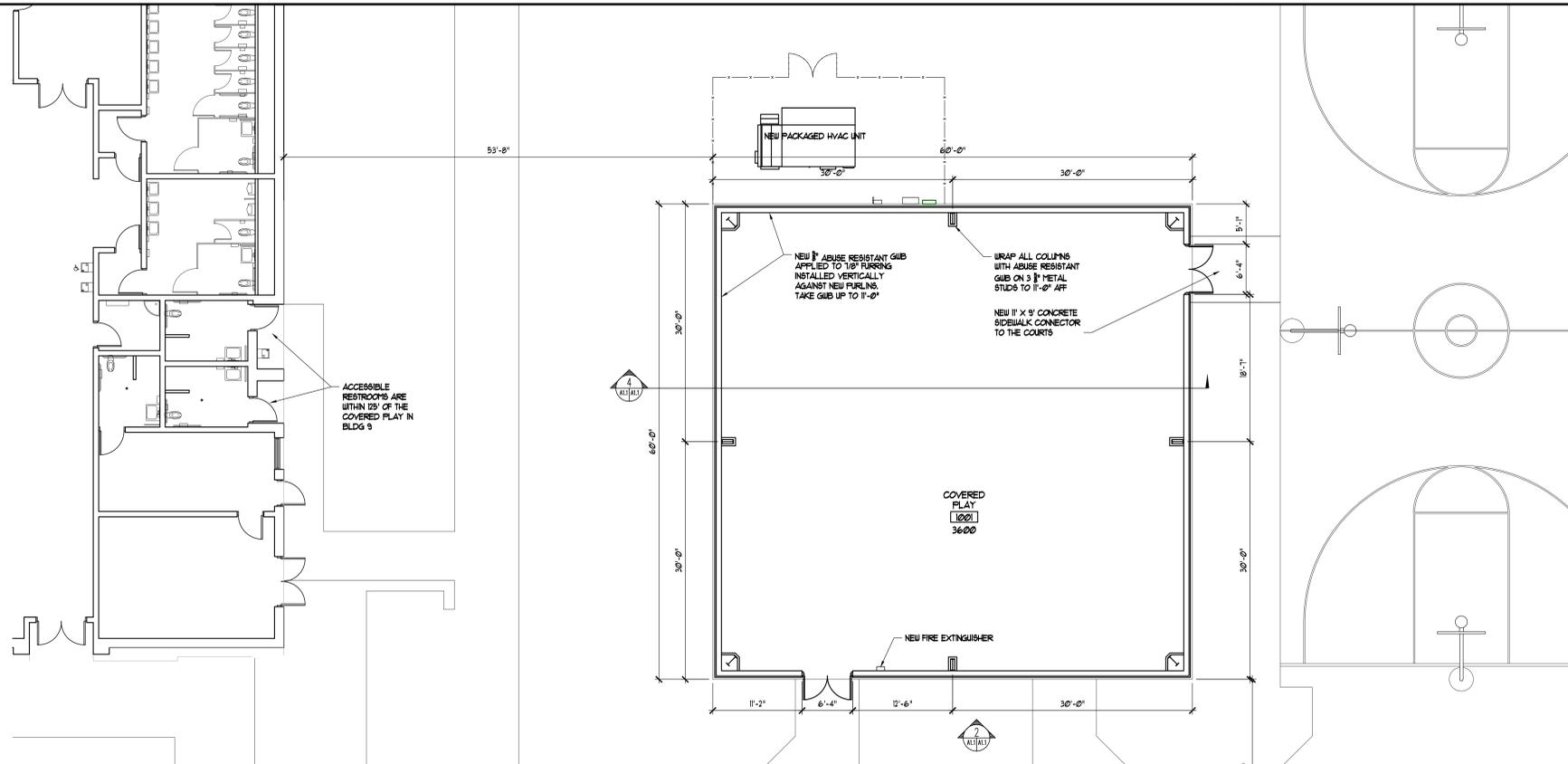
SHEET TITLE

CAMPUS PLAN  
**A1.0** of

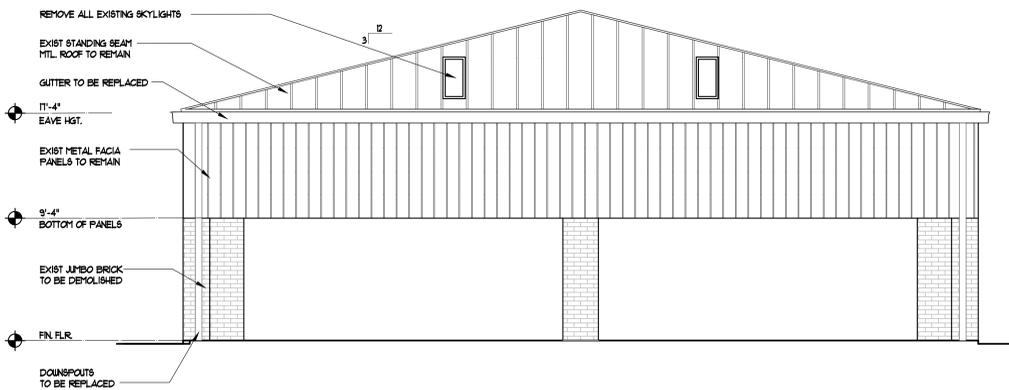
**BOZEMAN HS - BUILDING CAMPUS PLAN**  
SCALE: 1"=30'-0"



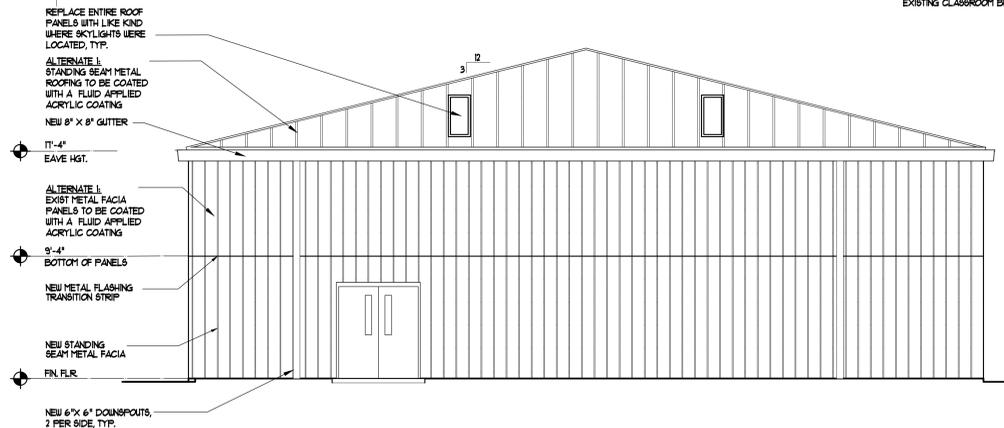
**BLDG 10-COVERED PLAY-DEMOLITION PLAN**  
SCALE: 1/8"=1'-0"



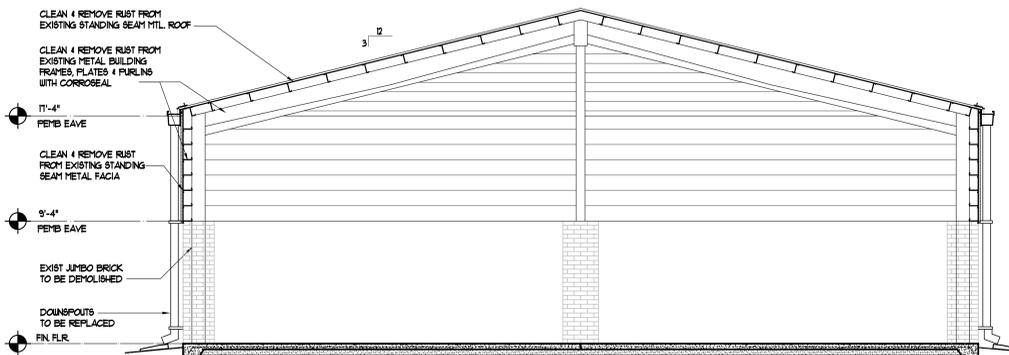
**BLDG 10-COVERED PLAY RENOVATION PLAN**  
SCALE: 1/8"=1'-0"



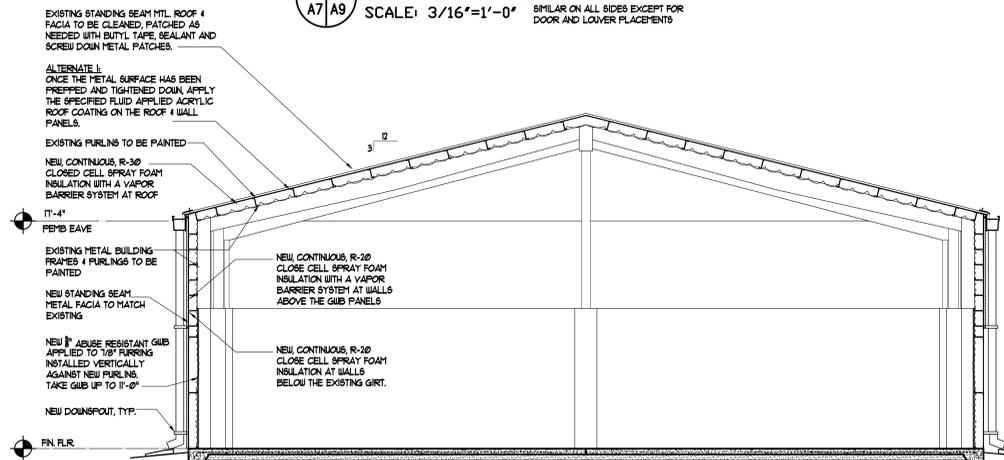
**1 EXISTING ELEVATION**  
SCALE: 3/16"=1'-0" SIMILAR ON ALL SIDES



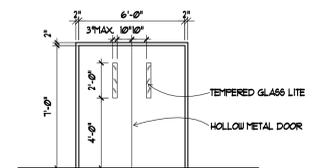
**2 RENOVATED ELEVATION**  
SCALE: 3/16"=1'-0" SIMILAR ON ALL SIDES EXCEPT FOR DOOR AND LOUVER PLACEMENTS



**3 EXISTING BUILDING SECTION**  
SCALE: 3/16"=1'-0"



**4 RENOVATED BUILDING SECTION**  
SCALE: 3/16"=1'-0"



**DOOR & FRAME TYPE**  
1/4" = 1'-0"

**BAY COUNTY DISTRICT SCHOOLS**  
**DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE**  
**PANAMA CITY, FLORIDA**



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Gregory Westmoreland Kelley  
AR0016706

| SUBMITTAL |         |       |       |
|-----------|---------|-------|-------|
| PHASE     | DATE    | DRAWN | CHECK |
| SDS       | 2/5/24  | ML    |       |
| DDC       | 4/5/24  | ML    |       |
| CDG       | 5/30/24 | ML    | ML    |

| REVISIONS |          |
|-----------|----------|
| #         | COMMENTS |
|           |          |
|           |          |
|           |          |

**CRA PROJ.#: 23060**  
**PHASE: CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**COVERED PLAY PLAN ELEVATION & SECTIONS**  
**A1.1** of





PIPING AND FITTINGS

Table with 2 columns: Symbol and Description. Includes Concentric Reducer, Elbow Turned Up, and Elbow Turned Down.

MEASUREMENTS AND CONTROLS

Table with 2 columns: Symbol and Description. Includes Thermostat/Temperature Sensor and Humidity Sensor.

AIR DISTRIBUTION

Table with 2 columns: Symbol and Description. Includes Rectangular Sheet Metal Duct, Round Fabric Duct, Supply Air Ductwork Section, Return Air Ductwork Section, Air Balancing Damper (Manual), Ductwork Flexible Connection, and New Duct.

DUCT MOUNTED SMOKE DETECTOR (PROVIDED AND INSTALLED BY FIRE ALARM CONTRACTOR)

APPLICABLE CODES

PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION. 1. ASHRAE a. STANDARD 15 SAFETY STANDARD FOR REFRIGERATION SYSTEMS - 2019 b. STANDARD 55 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017 c. STANDARD 62.1 VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019 d. STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019 2. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA) 3. NATIONAL FIRE CODES a. NFPA 1 UNIFORM FIRE CODE - 2021 (FLORIDA EDITION) b. NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE - 2019 c. NFPA 25 STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS - 2020 d. NFPA 54 NATIONAL FUEL GAS CODE - 2021 e. NFPA 70 NATIONAL ELECTRICAL CODE - 2020 f. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE - 2019 g. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2021 h. NFPA 90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021 i. NFPA 91 STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2020 j. NFPA 92 STANDARD FOR SMOKE CONTROL SYSTEMS - 2019 k. NFPA 101 LIFE SAFETY CODE - 2021 (FLORIDA EDITION) 4. FLORIDA BUILDING CODE, 2023 8TH EDITION a. BUILDING CODE b. EXISTING BUILDING CODE c. ENERGY CONSERVATION CODE d. MECHANICAL CODE e. PLUMBING CODE f. ACCESSIBILITY CODE 5. FLORIDA STATUTES a. CHAPTER 471 ENGINEERING b. CHAPTER 333.80 BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT 6. FLORIDA ADMINISTRATIVE CODE a. CHAPTER 6A-2 EDUCATIONAL FACILITIES b. CHAPTER 6A-7 FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS c. CHAPTER 6A-10 DESIGN TEST WITNESSING WITH LOCAL MECHANICAL INSPECTOR d. CHAPTER 6A-3 RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS e. CHAPTER 6A-3 FIRE PREVENTION - GENERAL PROVISIONS f. CHAPTER 6A-38 FIRE SAFETY IN EDUCATIONAL FACILITIES g. CHAPTER 6A-38 THE FLORIDA FIRE PREVENTION CODE 7. ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS (ADAAG) RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BIDDING. AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER. THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS. WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

COMMISSIONING NOTES

1. THE BUILDING MECHANICAL SYSTEMS ARE EXEMPT FROM COMMISSIONING REQUIREMENTS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE - ENERGY CONSERVATION SECTION C408 \*SYSTEMS COMMISSIONING\*. THE TOTAL MECHANICAL EQUIPMENT CAPACITY IS LESS THAN 480 MBH COOLING CAPACITY AND 600 MBH HEATING CAPACITY.

HVAC NOTES

1. TRAP AIR CONDITIONING CONDENSATE AND RUN TO SAFEWASTE AT LOCATION SHOWN ON PLANS. 2. COORDINATE LOCATION OF ALL EQUIPMENT, DUCTWORK AND PIPING INSTALLATIONS WITH ELECTRICAL TO PROVIDE THE REQUIRED CLEARANCES AROUND ALL ELECTRICAL PANELS, SWITCHGEAR, ETC. 3. INSTALLATION OF EQUIPMENT, DUCTWORK AND PIPING SHALL PROVIDE CONVENIENT ACCESS FOR REMOVAL OF FILTERS AND FOR MAINTENANCE. 4. DUCT SIZES GIVEN ARE SHEET METAL SIZES. 5. COORDINATE EXACT LOCATIONS OF AIR DISTRIBUTION EQUIPMENT WITH THE LIGHTING LAYOUT. 6. PROVIDE NEW AIR FILTERS IN EACH UNIT REQUIRING FILTERS WHEN THE PROJECT IS READY FOR TEST AND BALANCE. DO NOT OPERATE UNITS WITHOUT FILTERS DURING CONSTRUCTION. REPLACE FILTERS DURING CONSTRUCTION ACCORDING TO FILTER MANUFACTURERS' RECOMMENDATIONS. SEAL ALL OPEN ENDS OF DUCT WORK DURING CONSTRUCTION. 7. VACUUM CLEAN THE INTERIOR OF ALL HVAC EQUIPMENT AND DUCTWORK. 8. PROVIDE FLEXIBLE DUCT CONNECTIONS AT EACH EQUIPMENT CONNECTION. 9. OUTSIDE AIR INTAKES SHALL NOT BE LOCATED ANY CLOSER THAN 15 FEET FROM ANY CHIMNEY OR EXHAUST OUTLET OR PLUMBING VENT TERMINAL. 10. INSTALL DUCT MOUNTED SMOKE DETECTOR (FURNISHED BY D/J) IN SUPPLY TRUNK DUCT BEFORE ANY TAKE-OFFS FOR AIR HANDLING UNITS WITH SUPPLY AIR CAPACITY GREATER THAN 2000 CFM AND WHERE INDICATED ON PLANS. 11. WHERE DUCT MOUNTED SMOKE DETECTORS ARE REQUIRED, PROVIDE DUCT ACCESS DOORS TO ALLOW VIEWING AND SERVICING. PROVIDE CEILING/WALL ACCESS PANELS WHERE INSTALLED IN INACCESSIBLE LOCATIONS. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR UL LABEL. 12. IT IS RECOMMENDED THAT DUCTWORK BE FABRICATED FROM FIELD MEASUREMENTS TAKEN AS THE BUILDING STRUCTURE AND SPACE COMPETING SYSTEMS ARE PROGRESSIVELY INSTALLED. THE DUCTWORK AS SHOWN ON THE CONSTRUCTION DOCUMENTS IS DIAGRAMMATIC AND DOES NOT NECESSARILY INCLUDE ALL MODIFICATIONS REQUIRED TO AVOID THESE INTERFERENCES. BEFORE FABRICATING ANY DUCTWORK, CHECK THE PHYSICAL CONDITIONS AT THE JOB SITE AND MAKE CHANGES IN CROSS SECTIONS, ROUTING, OFFSETS AND SIMILAR ITEMS WHETHER SPECIFICALLY INDICATED OR NOT. VERIFY THAT SUFFICIENT CLEARANCES ARE AVAILABLE FOR INSTALLING DUCTWORK, PIPING, LIGHT FIXTURES, CEILING SYSTEMS AND TO PROVIDE EQUIPMENT SERVICE. COSTS REQUIRED TO CHANGE DUCTWORK TO FIT THE SPACE AVAILABLE AND AVOID INTERFERENCES CAUSED BY SPACE COMPETING SYSTEMS SHALL BE BORNE BY THE CONTRACTOR. NO ADDITIONAL REMUNERATION WILL BE PAID BY THE OWNER. 13. APPLY EXTERNAL INSULATION TO SINGLE WALL SUPPLY DUCTS, RETURN DUCTS AND OUTSIDE AIR DUCTS PER SPECIFICATIONS. DOUBLE WALL DUCTS AND DUCTS INDICATED ON PLANS TO HAVE INTERNAL DUCT LINER SHALL NOT RECEIVE EXTERNAL INSULATION. 14. MINIMUM PIPE SIZE FOR COOLING COIL CONDENSATE SHALL BE 3/4". 15. SECTIONS OF PIPE STORED ON SITE OR PLACED IN TRENCHES SHALL HAVE EACH OPEN END COVERED AT ALL TIMES EXCEPT WHILE MAKING CONNECTIONS. IF DEBRIS IS FOUND INSIDE PIPE, IT SHALL BE COMPLETELY REMOVED PRIOR TO ASSEMBLY. 16. COORDINATE LOUVER AND DEVICE LOCATIONS WITH WALL STRUCTURAL REINFORCEMENT. SEE STRUCTURAL DRAWINGS FOR LOCATION OF LINTELS, BOND BEAMS AND REINFORCING. 17. COORDINATE ALL DUCT TEST WITNESSING WITH LOCAL MECHANICAL INSPECTOR. 18. DUCT CONSTRUCTION, INCLUDING SHEET METAL THICKNESSES, SEAM AND JOINT CONSTRUCTION, REINFORCEMENTS, AND HANGERS AND SUPPORTS, SHALL COMPLY WITH SMACNA'S HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE DUCT. 19. HVAC TEST AND BALANCE SERVICES WILL BE CONTRACTED BY THE ENGINEER AND COORDINATED BY THE PROJECT MANAGER.

GENERAL NOTES

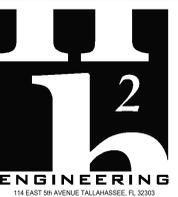
1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DIMENSIONS. 2. FIELD VERIFY DIMENSIONS AND CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR DEFICIENCIES ASSOCIATED THEREWITH. 3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE OBLIGATED TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART. 4. THE CONTRACTOR SHALL PAY FOR INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK. 5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF SUBCONTRACTORS TO AVOID INTERFERENCES. 6. WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES. 7. ERECT AND MAINTAIN REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDOUS INCLUDING PROMULGATING SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS. 8. COORDINATE AND SECURE DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE. 9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK. 10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF EQUIPMENT AND MATERIALS. 11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE. 12. THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE ARCHITECT AT COMPLETION OF CONSTRUCTION. 13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES". 14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT'S ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF. 15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETIN BOARDS OR OTHER WALL MOUNTED FURNISHINGS. 16. NOTE ANY SPECIAL REQUIREMENTS INVOLVED IN INSTALLING THE EQUIPMENT IN THE BUILDING. DISMANTLING AND REASSEMBLING OF ANY EQUIPMENT SHALL BE DONE AS REQUIRED FOR ENTRY INTO THE BUILDING AND EQUIPMENT ROOMS. 17. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. 18. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES. 19. BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR. 20. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS. 21. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS. 22. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY. 23. REMOVE AND REPAIR OR RE-INSTALL EXISTING CEILING ASSEMBLIES AS REQUIRED. REPLACE ANY ASSEMBLIES DAMAGED OR SOILED DURING CONSTRUCTION. 24. PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED. 25. SEAL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED. 26. REPLACE SIDEWALKS OR PAVEMENT DAMAGED BY OR DURING CONSTRUCTION OF THIS PROJECT. 27. REMOVE ALL SHRUBBERY, PLANTS, ETC. WHICH INTERFERE WITH WORK UNDER THIS CONTRACT. REPLANT AND/OR REPLACE ALL PLANTS, SHRUBBERY, ETC. AT COMPLETION OF JOB. ALL DISTURBED AREAS OF SOIL SHALL BE RESEEDDED. REPLACEMENT OF REPLANTING TO BE GUARANTEED FOR ONE YEAR. 28. RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.

ABBREVIATIONS

Table with 3 columns: Abbreviation, Description, and Description. Includes AFF ABOVE FINISHED FLOOR, AHAP AS HIGH AS POSSIBLE, AHU AIR HANDLING UNIT, BD BALANCING DAMPER, BHP BRAKE HORSEPOWER, etc.

DRAWING INDEX

Table with 2 columns: Drawing ID and Description. Includes MO.1 GENERAL NOTES, LEGENDS & SCHEDULES, MO.2 SCHEDULES, M1.1 FLOOR PLAN, M5.1 DETAILS - HVAC.



Florida Registry #885 Jeffrey L. Tyler, P.E. # 87993

BAY COUNTY DISTRICT SCHOOLS

DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE

PANAMA CITY, FLORIDA



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Submittal

Table with 4 columns: Phase, Date, Drw, Chk. Includes rows for DESIGN DEVELOPMENT, CDS, and CDS.

Revision

Table with 3 columns: #, Description, Date.

CRA Project # 23060

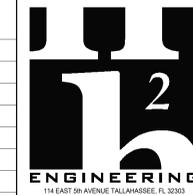
Phase: CONSTRUCTION DOCUMENTS

SHEET TITLE GENERAL NOTES, LEGENDS & SCHEDULES

MO.1

**HIGH PERCENTAGE OUTDOOR AIR UNIT - PACKAGED**

|  |  |           |        |
|--|--|-----------|--------|
| DESIGNATION  |  | HOAS-1    |        |
| AIR FLOW RATES   |  |           |        |
| TOTAL SUPPLY AIR                                       | CFM  | 2,700     |        |
| MINIMUM SUPPLY AIR                                     | CFM  | 1,292     |        |
| OUTSIDE AIR  | CFM  | 1,080     |        |
| EXHAUST AIR  | CFM  | 600       |        |
| FILTER SECTION   |  |           |        |
| DAMPERS  |  | OA & RA   |        |
| FILTER ORIENTATION                                     |  | ANGLED    |        |
| TYPE OF FILTER   |  | MERV-8    |        |
| COOLING DATA   |  |           |        |
| TOTAL COOLING CAPACITY                                 | MBTUH  | 188.8     |        |
| SENSIBLE COOLING CAPACITY                              | MBTUH  | 81.0      |        |
| AIR ENTERING COOLING COIL                              | *Fdb - *Fwb  | 77.9      | - 70.5 |
| AIR LEAVING COOLING COIL                               | *Fdb - *Fwb  | 50.2      | - 49.8 |
| EER / IEER   | BTU / W-HR   | 11.2      | /      |
| CONDENSATE DRAIN SIZE                                  | IN.  | 1         |        |
| HEATING DATA - HEAT PUMP                               |  |           |        |
| HEATING CAPACITY                                       | MBTUH  | 147.5     |        |
| AIR ENTERING HEATING COIL                              | *F   | 54.6      |        |
| AIR LEAVING HEATING COIL                               | *F   | 102.8     |        |
| COP  | W / W  | 3.4       |        |
| HEATING DATA - ELECTRIC                                |  |           |        |
| HEATING CAPACITY - # OF STAGES                         | KW - #   | 32        | - SCR  |
| AIR ENTERING HEATING COIL                              | *F   | 54.6      |        |
| AIR LEAVING HEATING COIL                               | *F   | 92.1      |        |
| SUPPLY FAN SECTION                                     |  |           |        |
| FAN TYPE   |  | AIRFOIL   |        |
| DRIVE TYPE   |  | DIRECT    |        |
| FAN QUANTITY   | #  | 1         |        |
| EXTERNAL STATIC PRESSURE                               | IN. WG   | 1         |        |
| MAXIMUM TOTAL STATIC PRESSURE (INCLUDING DIRTY FILTER) | IN. WG   | 1.57      |        |
| DIRTY FILTER ALLOWANCE                                 | IN. WG   | 0.2       |        |
| FAN MOTOR HORSEPOWER (PER FAN)                         | HP - BHP   | 1.12      | - 0.88 |
| FAN MOTOR HORSEPOWER (UNIT TOTAL)                      | HP - BHP   | 1.12      | - 0.88 |
| VARIABLE FREQUENCY DRIVE                               |  | 1 PER FAN |        |
| EXHAUST FAN SECTION                                    |  |           |        |
| FAN TYPE   |  | AIRFOIL   |        |
| DRIVE TYPE   |  | DIRECT    |        |
| FAN QUANTITY   | #  | 1         |        |
| EXTERNAL STATIC PRESSURE                               | IN. WG   | 0.2       |        |
| FAN MOTOR HORSEPOWER (PER FAN)                         | HP - BHP   | 1         | - 0.08 |
| FAN MOTOR HORSEPOWER (UNIT TOTAL)                      | HP - BHP   | 1         | - 0.08 |
| VARIABLE FREQUENCY DRIVE                               |  | 1 PER FAN |        |
| UNIT DATA  |  |           |        |
| COMPRESSOR QUANTITY                                    | # - #  | 2         |        |
| WEIGHT   | LBS  | 3,411     |        |
| ELECTRICAL CHARACTERISTICS                             | V / PH   | 460 / 3   |        |
| MCA / MOCP (CIRCUIT #1) - NOTE 2                       | AMPS   | 83        | / 90   |
| MANUFACTURER   |  | TRANE     |        |
| MODEL NUMBER   |  | HPRTU-1   |        |
| NOTES:   |  |           |        |
| 1  | PROVIDE ONE (1) MODULATING COMPRESSOR.                                 |           |        |
| 2  | UNIT SHALL HAVE SINGLE POINT POWER CONNECTION.                         |           |        |
| 3  | PROVIDE SPACE TEMPERATURE SENSOR FOR TEMPERATURE AND DEWPOINT CONTROL. |           |        |
| 4  | PROVIDE SUPPLY AIR TEMPERATURE SENSOR.                                 |           |        |
| 5  | PROVIDE OUTSIDE AIR TEMPERATURE AND HUMIDITY SENSORS.                  |           |        |
| 6  | PROVIDE SUCTION PRESSURE TRANSDUCER.                                   |           |        |
| 7  | PROVIDE DISCONNECT SWITCH.   |           |        |
| 8  | PROVIDE UNIT WITH MODULATING HOT GAS REHEAT                            |           |        |
| 9  | PROVIDE UNIT MOUNTED CONTROL PANEL EQUAL TO TRANE TD7 PANEL.           |           |        |



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Florida Registry #1885  
 Jeffrey L. Tyler, P.E. # 97093

**BAY COUNTY DISTRICT SCHOOLS**

**DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE**

**PANAMA CITY, FLORIDA**



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| Submittal          |          |     |     |  |
|--------------------|----------|-----|-----|--|
| Phase              | Date     | Drw | Chk |  |
| DESIGN DEVELOPMENT | 04/05/24 | JDR | JLT |  |
| CDS                | 05/30/24 | JDR | JLT |  |
| CDS                | 07/02/24 | JDR | JLT |  |

| Revision |             |      |
|----------|-------------|------|
| #        | Description | Date |
|          |             |      |
|          |             |      |
|          |             |      |

CRA Project # **23060**

Phase: **CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**SCHEDULES**

**MO.2**





**SYMBOLS, NOTES, ABBREVIATIONS, ETC.**

IDENTIFICATION LETTERS table with columns: FIRST - LETTER, MEASURED OR INITIATING VARIABLE, READOUT OR PASSIVE FUNCTION, OUTPUT FUNCTION. Includes items A through Z with descriptions like ALARM, USER'S CHOICE, DIFFERENTIAL, etc.

(\*) WHEN USED, EXPLANATION IS SHOWN ADJACENT TO INSTRUMENT SYMBOL.

**GENERAL INSTRUMENT / FUNCTION SYMBOLS**

Table with columns: CONTROL DEVICE / INSTRUMENT, MODIFIERS, and key symbols like XX YY, YY, #, etc. with their meanings.

**ELECTRICAL COMPONENTS & CONTROLLER (SHOWN IN DIAGRAMS)**

Table of electrical symbols including VFD, STR, CNT, RELAY (NORMALLY OPEN/CLOSED), PEM, TRANSFORMER, PILOT LIGHT, NETWORK COMMUNICATION LINK TO BAS, and ELECTRIC MOTOR.

**FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.**

Table with columns: TYPE OF PENETRANT, F-RATING (HR), CONCRETE FLOORS, CONCRETE OR BLOCK WALLS, GYPSUM WALLS, HILTI PRODUCTS. Lists various penetration types and their corresponding fire ratings and HILTI product recommendations.

- NOTES:
1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CLASSIFIED SYSTEM SELECTED.
2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CLASSIFIED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.
3. WHERE MORE THAN ONE APPLICABLE UL-CLASSIFIED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.
4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.
5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER, APPROVED MANUFACTURERS: HILTI, RECTORSOLE, 3M, STL.

**APPLICABLE CODES**

- PERFORM WORK IN ACCORDANCE WITH THE FOLLOWING CODES AND ANY APPLICABLE STATUTES, ORDINANCES, CODES, AND REGULATIONS OF GOVERNMENTAL AUTHORITIES HAVING JURISDICTION.
1. ASHRAE
a. STANDARD 15 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2019
b. STANDARD 55 THERMAL ENVIRONMENTAL CONDITIONS FOR HUMAN OCCUPANCY - 2017
c. STANDARD 62.1 VENTILATION STANDARD FOR ACCEPTABLE INDOOR AIR QUALITY - 2019
d. STANDARD 90.1 ENERGY STANDARD FOR BUILDINGS EXCEPT LOW RISE RESIDENTIAL BUILDINGS - 2019
2. ASME
a. ASME A17.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS - 2019
b. ASME A17.3 SAFETY CODE FOR EXISTING ELEVATORS AND ESCALATORS - 2020
3. OCCUPATIONAL SAFETY AND HEALTH REGULATIONS (OSHA)
4. NATIONAL FIRE CODES
a. NFPA 1 UNIFORM FIRE CODE - 2021 (FLORIDA EDITION)
b. NFPA 13 STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS - 2019
c. NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE - 2019
d. NFPA 25 STANDARD FOR THE INSPECTION, TESTING AND MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS - 2020
e. NFPA 30 FLAMMABLE AND COMBUSTIBLE LIQUIDS CODE - 2021
f. NFPA 30A STANDARDS FOR OIL BURNING EQUIPMENT - 2020
g. NFPA 32 VEHICULAR GASEOUS FUEL SYSTEMS CODE - 2019
h. NFPA 33 CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES - 2021
i. NFPA 34 STANDARDS FOR OIL BURNING EQUIPMENT - 2020
j. NFPA 42 NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
k. NFPA 54 NATIONAL FUEL GAS CODE - 2021
l. NFPA 70 NATIONAL ELECTRICAL CODE - 2020
m. NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE - 2019
n. NFPA 90A STANDARD FOR THE INSTALLATION OF AIR CONDITIONING AND VENTILATION SYSTEMS - 2021
o. NFPA 90B STANDARD FOR THE INSTALLATION OF WARM AIR HEATING AND AIR CONDITIONING SYSTEMS - 2021
p. NFPA 91 STANDARD FOR THE INSTALLATION OF BLOWER AND EXHAUST SYSTEMS - 2020
q. NFPA 96 STANDARD FOR SMOKE CONTROL SYSTEMS - 2019
r. NFPA 98 STANDARD FOR VENTILATION CONTROL AND FIRE PROTECTION OF COMMERCIAL COOKING OPERATIONS - 2021
s. NFPA 101 FIRE SAFETY CODE - 2021 (FLORIDA EDITION)
5. FLORIDA BUILDING CODE, 2023 EDITION
a. BUILDING CODE
b. EXISTING BUILDING CODE
c. ENERGY CONSERVATION CODE
d. MECHANICAL CODE
e. PLUMBING CODE
f. FUEL GAS CODE
g. ACCESSIBILITY CODE
6. FLORIDA STATUTES
a. CHAPTER 471 ENGINEERING
b. CHAPTER 533.80 BUILDING CONSTRUCTION STANDARDS; FLORIDA BUILDING CODE - ENFORCEMENT
7. FLORIDA ADMINISTRATIVE CODE
a. EDUCATIONAL FACILITIES
b. FLORIDA BUILDING COMMISSION HANDICAPPED ACCESSIBILITY STANDARDS
c. FLORIDA ELEVATOR SAFETY CODE
d. RESPONSIBILITY RULES OF PROFESSIONAL ENGINEERS CONCERNING THE DESIGN OF MECHANICAL SYSTEMS
e. FIRE PREVENTION - GENERAL PROVISIONS
f. UNIFORM FIRE SAFETY STANDARDS FOR ELEVATORS
g. FIRE SAFETY EDUCATIONAL FACILITIES
h. THE FLORIDA FIRE PREVENTION CODE
8. ADA ACCESSIBILITY GUIDELINES FOR BUILDINGS (ADAG)
RESOLVE, IN WRITING, ANY CODE VIOLATION DISCOVERED IN CONTRACT DOCUMENTS WITH THE ENGINEER PRIOR TO BEGING, AFTER AWARD OF THE CONTRACT, MAKE ANY CORRECTION OR ADDITION NECESSARY FOR COMPLIANCE WITH APPLICABLE CODES AT NO ADDITIONAL COST TO OWNER.
THE CONTRACTOR SHALL INCLUDE IN THE WORK, WITHOUT EXTRA COST TO THE OWNER, ANY LABOR, MATERIALS, SERVICES, APPARATUS, AND DRAWINGS REQUIRED TO COMPLY WITH ALL APPLICABLE LAWS, ORDINANCES, RULES, AND REGULATIONS.
WHERE THERE IS CONFLICT BETWEEN THE CONTRACT DOCUMENTS AND THE APPLICABLE CODES, THE CODES SHALL GOVERN, EXCEPT WHERE THE REQUIREMENTS OF THE CONTRACT DOCUMENTS ARE MORE STRINGENT.

**SEQUENCE OF OPERATION DEFINITIONS**

- ENABLE ALLOW AN OPERATION TO START
START REQUIRE AN OPERATION TO START
DISABLE PREVENT AN OPERATION FROM STARTING
STOP REQUIRE AN OPERATION TO STOP
PROVE COMMAND EQUAL STATUS
100% MAXIMUM COMMAND OR FULLY OPEN
0% MINIMUM COMMAND OR FULLY CLOSED

**CONTROL DEVICES (SHOWN ON FLOOR PLANS)**

Table of control device symbols: (T) ROOM THERMOSTAT/TEMPERATURE SENSOR, (H) ROOM HUMIDISTAT/HUMIDITY SENSOR, (TH) COMBINATION TEMPERATURE AND HUMIDITY SENSOR, (CO2) CARBON DIOXIDE SENSOR, (VFD) VARIABLE FREQUENCY DRIVE (PROVIDED BY OTHERS), (DDC) DIRECT DIGITAL CONTROL PANEL, (FM) FLOW METER, (PEM) POWER ENERGY METER.

**MECHANICAL COMPONENTS (SHOWN IN DIAGRAMS)**

Table of mechanical symbols: FAN, PUMP, COIL (with X/C symbol), DAMPER, FILTER.

**GENERAL NOTES**

- 1. DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
2. FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, HE IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF HE PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, HE SHALL BE HELD RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
3. BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH HE WILL BE OBLIGATED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL BE SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON HIS PART.
4. THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH HIS WORK.
5. CONSTRUCTION MANAGER/GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
6. ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
7. ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDS INCLUDING PROMISCUITOUS SAFETY REGULATIONS. PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
8. COORDINATE AND SECURE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
9. THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. HE SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
10. THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE OF CONSTRUCTION MATERIALS. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION AND SECURITY OF ALL EQUIPMENT AND MATERIALS.
11. THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
12. THE CONTRACTOR SHALL FURNISH "AS BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
13. CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO "SHOP DRAWINGS, PRODUCT DATA AND SAMPLES".
14. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE RELIEVED OF RESPONSIBILITY FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
15. PRIOR TO INSTALLATION, COORDINATE AND ADJUST THE FINAL LOCATION OF ALL WALL MOUNTED DEVICES AND EQUIPMENT WITH ALL CASEWORK, SHELVING, MARKER BOARDS, BULLETPROOF BORDERS OR OTHER WALL MOUNTED FURNISHINGS.
16. PROTECT THE ROOF FROM DAMAGE WHENEVER ANY WORK ON THE ROOF IS REQUIRED.
17. SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE. ATTACHMENTS SHALL BE TO STRUCTURAL SYSTEMS ONLY.
18. CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE, SMOKE, AND ACOUSTICAL WALL ASSEMBLIES.
19. CONTRACTOR SHALL FURNISH U.L. APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
20. CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
21. EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITS AND SAFETY.
22. SEAL ALL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.

**INSTRUMENTATION AND CONTROL NOTES**

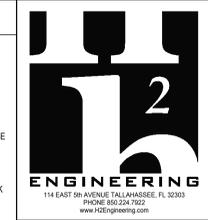
- 1. THE INTENT OF THE INSTRUMENTATION AND CONTROL DRAWINGS IS TO PROVIDE A COMPLETE AND OPERATIONAL SYSTEM IN ACCORDANCE WITH THE SEQUENCE(S) OF OPERATION, THE DIAGRAMS, POINTS LISTS, AND SEQUENCES OF OPERATION INCLUDED HEREIN DESCRIBE THE INTENDED SEQUENCES OF OPERATION FOR SYSTEMS AND MAJOR COMPONENTS BUT DO NOT DEFINE IN DETAIL THE OPERATION OF MINOR COMPONENTS, RELAYS, SWITCHES, WIRING, OR OTHER SMALL DEVICES REQUIRED FOR THE PROPER OPERATION OF THE CONTROL SYSTEM. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY COMPONENTS AND/OR WIRING TO ACHIEVE THE SEQUENCE OF OPERATION.
2. PROVIDE ALL CONTROL WIRING, CONDUIT, RELAYS, AND ELECTRICAL WORK REQUIRED AS INTEGRAL PART OF THE INSTRUMENTATION AND CONTROL SYSTEM UNLESS NOTED OTHERWISE. WORK SHALL COMPLY WITH REQUIREMENTS OF DIVISIONS 26, 27, AND 28 DRAWINGS AND SPECIFICATIONS.
3. COORDINATE ALL WORK WITH OTHER TRADES INVOLVED. INTERFACE EQUIPMENT AND WIRING SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
4. COORDINATE BUILDING OCCUPANCY SCHEDULES (OCCUPIED AND UNOCCUPIED) WITH BUILDING OWNER.
5. COORDINATE INSTALLATION LOCATION OF ALL CONTROL DEVICES, INCLUDING BUT NOT LIMITED TO: SENSORS, METERS, SWITCHES, VALVES, DAMPERS, ETC. COORDINATE AND ENSURE CONTROL DEVICES ARE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS, INCLUDING UPSTREAM AND DOWNSTREAM DIAMETERS FOR FLOW METERS. PROPER ORIENTATION TO PREVENT MOISTURE INTRUSION, AND DISTANCES FROM AIR OUTLETS TO ENSURE PROPER TEMPERATURE READINGS.
6. LOCATE THERMOSTATS AND OTHER WALL-MOUNTED CONTROL DEVICES REQUIRING OCCUPANCY MONITORING OR ADJUSTMENT AT AN ELEVATION 4'-0" ABOVE FINISHED FLOOR, IN ACCORDANCE WITH ADA REGULATIONS.
7. PROVIDE ACCESS PANEL AT EACH LOCATION WHERE A VALVE, DAMPER, OR OTHER DEVICE REQUIRING SERVICE IS LOCATED ABOVE AN INACCESSIBLE CEILING OR INSIDE A WALL. ACCESS PANELS IN RATED CONSTRUCTION SHALL BEAR U.L. LABEL. COORDINATE ACCESS PANEL LOCATION WITH ARCHITECT/ENGINEER PRIOR TO INSTALLATION.
8. PROVIDE DUCT ACCESS DOOR AT EACH AIRFLOW MEASURING STATION.
9. CONTROLLED SYSTEMS SHALL AUTOMATICALLY RESET ON EMERGENCY POWER AND RESTORATION OF NORMAL POWER, UNLESS NOTED OTHERWISE. PROVIDE TIME DELAYS ON RESTART, AS NECESSARY, TO STAGGER THE START OF EQUIPMENT SO THAT ALL MOTORS DO NOT ATTEMPT TO START AT THE SAME TIME.
10. SAFETIES SHALL BE HARDWIRED UNLESS NOTED OTHERWISE.
11. WHERE VFD'S ARE LOCATED DIRECTLY UNDER PIPING, PROVIDE GALVANIZED SHEET METAL DIP SHIELDS AT 18" ABOVE FFD'S SLOPED 1% FROM THE MOUNTING SURFACE TOWARD THE FRONT OF THE DRIVES, AND EXTENDING TO 12" BEYOND EACH DRIVE FACE.

**COMMISSIONING NOTES**

- 1. THE BUILDING MECHANICAL SYSTEMS ARE EXEMPT FROM COMMISSIONING REQUIREMENTS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE - ENERGY CONSERVATION, SECTION C48 "SYSTEMS COMMISSIONING". THE TOTAL MECHANICAL EQUIPMENT CAPACITY IS LESS THAN 400 MBH COOLING CAPACITY AND 600 MBH HEATING CAPACITY.

**DRAWING INDEX**

Table with columns: INDEX, GENERAL NOTES, LEGENDS & SCHEDULES, SCHEDULES AND DETAILS, COVERED PAVILION PLAN.



Flordia Registry #8855
Jeffrey L. Tyler, P.E. # 87903

**BAY COUNTY DISTRICT SCHOOLS**

**DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE**

**PANAMA CITY, FLORIDA**



**Clemons, Rutherford, & Associates, Inc.**

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Planners
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Table with columns: Phase, Date, Drw, Csk. Includes rows for DESIGN DEVELOPMENT, CDS, and COVERED PAVILION PLAN.

Table with columns: #, Description, Date. Revision table.

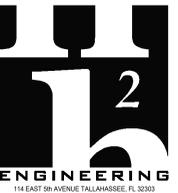
CRA Project # 23060

**Phase: CONSTRUCTION DOCUMENTS**

**GENERAL NOTES, LEGENDS & SCHEDULES**

**ICO.1**





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 Jeffrey L. Tyler, P.E. # 87093

BAY COUNTY DISTRICT SCHOOLS

DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE

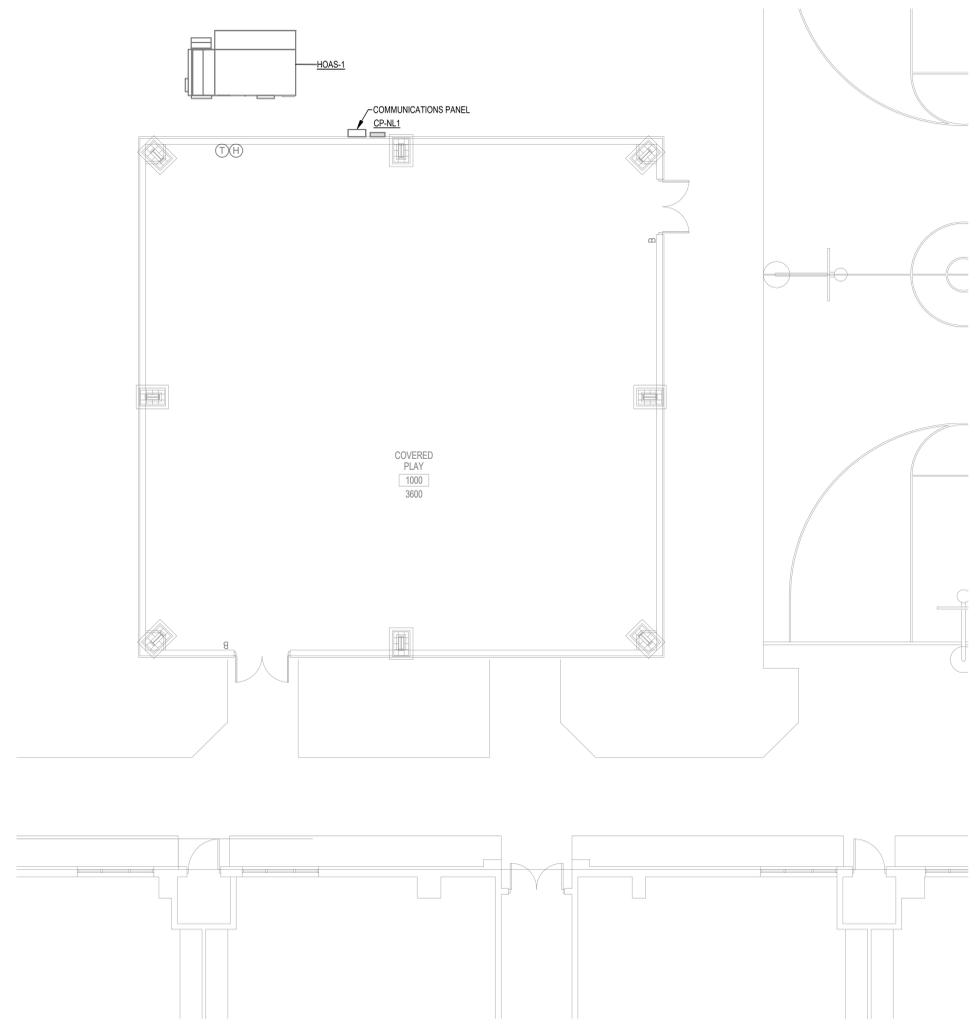
PANAMA CITY, FLORIDA



Clemons, Rutherford, & Associates, Inc.

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COVERED PAVILION PLAN  
 1/8" = 1'-0"

Submittal

| Phase              | Date     | Drw | Chk |
|--------------------|----------|-----|-----|
| DESIGN DEVELOPMENT | 04/05/24 | JDR | JLT |
| CDS                | 05/30/24 | JDR | JLT |
| CDS                | 07/02/24 | JDR | JLT |

Revision

| # | Description | Date |
|---|-------------|------|
|   |             |      |
|   |             |      |
|   |             |      |

CRA Project # **23060**

Phase: **CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**COVERED PAVILION PLAN**

**IC1.1**

### LIGHTING FIXTURE SCHEDULE

- GENERAL NOTES:  
 1) CONTRACTOR SHALL COORDINATE FIXTURE TYPE WITH ARCHITECTURAL FINISH SCHEDULE(S). ARCHITECT SHALL CONFIRM FINISH OF ALL FIXTURES IN GUEST/PUBLIC AREAS.  
 2) LIGHT FIXTURES DEEMED EQUAL TO THOSE SPECIFIED SHALL BE SUBMITTED FOR APPROVAL IN ACCORDANCE WITH SPECIFICATIONS.  
 3) PROVIDE MOUNTING TRIM REQUIRED FOR CEILING TYPE INSTALLED.  
 4) PROVIDE EMERGENCY BATTERIES FOR FIXTURES WHERE SHOWN ON PLANS.

| TYPE | MANUFACTURER (OR EQUAL) | CATALOG NUMBER                         | LAMP     |     | LUMEN OUTPUT | CRI | COLOR TEMPERATURE | VOLTAGE  | DESCRIPTION  |
|------|-------------------------|--|----------|-----|--------------|-----|-------------------|----------|--|
|      |                         |  | POWER SW | QTY |              |     |                   |          |  |
| E    | BEGHELLI                | PX-R-SA-AT                             | 90       | LED | 12600        | 70  | 4000K             | 120-277V | THERMOPLASTIC EXIT SIGN, UNIVERSAL MOUNTING, SELF-TESTING.   |
| P    | SPECGRADE               | HFB-90-40K-120-V01-DL-PM-1VDM-FL-WG-EM | 90       | LED | 12600        | 70  | 4000K             | 120-277V | 12" DIAMETER HIGH-BAY PENDANT MOUNT FIXTURE WITH FROSTED LENS AND WIRE GUARD, IMPACT RESISTANT, COLOR: BLACK |

### FIRESTOP SCHEDULE OF THROUGH PENETRATION SYSTEMS. BASIS OF DESIGN: HILTI, INC.

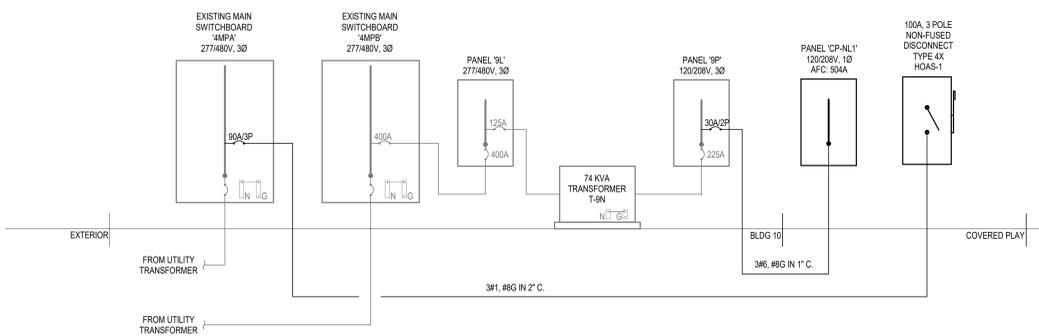
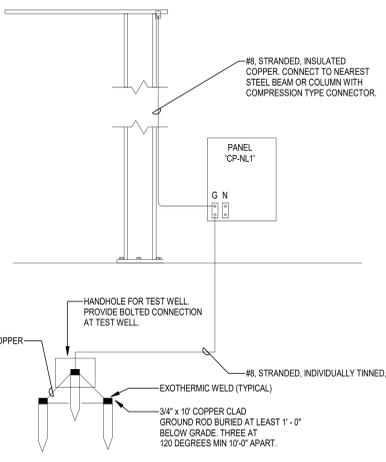
| TYPE OF PENETRANT  | F-RATING (HR) | CONCRETE FLOORS   |   | CONCRETE OR BLOCK WALLS BASIS OF DESIGN UL SYSTEM |   | GYPSUM WALLS |  | HILTI PRODUCTS                     |
|--|---------------|---|---|---|---|--------------|--|------------------------------------|
|  |               | 1   | 2   | 1   | 2 | 1            | 2  |                                    |
| CIRCULAR BLANK OPENINGS (8000-0989)                                      | 1             | F-A-0006, C-AJ-0055, C-AJ-0000  | C-AJ-0055, C-AJ-0000                                  |   |   |              |  | CP 680, CP 618, FS-ONE MAX, CFS-BL |
|  | 2             | F-A-0006, C-AJ-0055, C-AJ-0000  | C-AJ-0055, C-AJ-0000                                  |   |   |              |  | CP 680, CP 618, FS-ONE MAX, CFS-BL |
| METAL PIPES OR CONDUIT (1000-1989)                                       | 1             | C-AJ-1228, F-A-1028, F-A-1017   | C-AJ-1228, W-L-1020, W-L-1020                         | W-L-1054, W-L-1059, W-L-1184, W-L-1506            |   |              | CP 680, FS-ONE MAX, CP 606, CFS-S SIL CG, SS, GF, D, MINERAL WOOL                                      |                                    |
|  | 2             | C-AJ-1228, F-A-1028, F-A-1017   | C-AJ-1228, W-L-1020, W-L-1020, W-L-1249               | W-L-1054, W-L-1059, W-L-1184, W-L-1506            |   |              | CP 680, FS-ONE MAX, CP 606, CFS-S SIL CG, SS, GF, D, MINERAL WOOL                                      |                                    |
| NON-METALLIC PIPE OR CONDUIT (I.E. PVC, CPVC, ABS, FRP, ENT) (2000-2999) | 1             | F-A-2053, F-A-2025, C-AJ-2199, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-AJ-2342 | C-AJ-2199, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342 | W-L-2078, W-L-2075, W-L-2128                      |   |              | CP 680, CP 643N, MINERAL WOOL, CP 844, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, SS, GF, D, MINERAL WOOL |                                    |
|  | 2             | F-A-2053, F-A-2025, C-AJ-2199, C-AJ-2098, C-AJ-2271, C-AJ-2167, C-AJ-2342 | C-AJ-2199, C-AJ-2098, C-AJ-2167, C-AJ-2371, C-AJ-2342 | W-L-2078, W-L-2075, W-L-2128                      |   |              | CP 680, CP 643N, MINERAL WOOL, CP 844, FS-ONE MAX, CFS-S SIL SL, CFS-S SIL CG, SS, GF, D, MINERAL WOOL |                                    |
| MIXED PENETRANTS (8000-8999)   | 1             | C-AJ-8099, C-AJ-8056, C-AJ-8143   | C-AJ-8099, W-L-8007, C-AJ-8143                        | W-L-1095, W-L-8013                                |   |              | FS-ONE MAX, CFS-BL, CP 620, CP 618   |                                    |
|  | 2             | C-AJ-8099, C-AJ-8056, C-AJ-8143, C-AJ-8252                                | C-AJ-8099, C-AJ-8056, W-L-8007, C-AJ-8143, C-AJ-8252  | W-L-1095, W-L-8013                                |   |              | FS-ONE MAX, CFS-BL, CP 620, CP 618   |                                    |

- NOTES:  
 1. JOBSITE CONDITIONS OF EACH THROUGH-PENETRATION FIRESTOP SYSTEM MUST MEET ALL DETAILS OF THE UL-CRATED SYSTEM SELECTED.  
 2. IF JOBSITE CONDITIONS DO NOT MATCH ANY UL-CRATED SYSTEMS IN THE SCHEDULES ABOVE, CONTACT FIRESTOP MANUFACTURER FOR ALTERNATIVE SYSTEMS OR ENGINEER JUDGMENT DRAWINGS.  
 3. WHERE MORE THAN ONE APPLICABLE UL-CRATED SYSTEM IS LISTED IN THE SCHEDULES, CHOOSE THE UL SYSTEM WHICH IS MOST ECONOMICAL FOR EACH THROUGH-PENETRATION FIRESTOP SYSTEM.  
 4. COORDINATE WORK WITH OTHER TRADES TO ENSURE THAT PENETRATION OPENING SIZES ARE APPROPRIATE FOR PENETRANT LOCATIONS, AND VICE-VERSA.  
 5. ALL THROUGH-PENETRATION FIRESTOPS SHALL BE PROVIDED BY ONE MANUFACTURER. APPROVED MANUFACTURERS: HILTI, RECTORSAL, 3M, STL.

### LIGHTING AND APPLIANCE PANEL: CP-NL1

| CIRCUIT LOAD TYPE    | SERVING | CIRCUIT | TRIP | SPEC'N | POLE | CIRCUIT SIZE | CONNECTED LOAD (VA) |     | CONNECTED LOAD (VA) |      | SERVING | LOAD TYPE | CIRCUIT               |
|----------------------|---------|---------|------|--------|------|--------------|---------------------|-----|---------------------|------|---------|-----------|-----------------------|
|                      |         |         |      |        |      |              | A                   | B   | A                   | B    |         |           |                       |
| 1 R REC COVERED PLAY | 20      | 1       | 3/4" | #12    | #12  | 720          | 900                 | #12 | #12                 | 3/4" | 1       | 20        | REC COMMUNICATION PNL |
| 3 R REC EXTERIOR     | 20      | 1       | 3/4" | #12    | #12  | 720          | 900                 | #12 | #12                 | 3/4" | 1       | 20        | REC EWC               |
| 5 L LTG COVERED PLAY | 20      | 1       | 3/4" | #12    | #12  | 810          |                     |     |                     |      | 1       | 20        | SPARE                 |
| 7 SPARE              | 20      | 1       |      |        |      |              |                     |     |                     |      | 1       | 20        | SPARE                 |
| 9 SPACE              | 1       | 1       |      |        |      |              |                     |     |                     |      | 1       | SPACE     | 10                    |
| 11 SPACE             | 1       | 1       |      |        |      |              |                     |     |                     |      | 1       | SPACE     | 12                    |
| 13 SPACE             | 1       | 1       |      |        |      |              |                     |     |                     |      | 1       | SPACE     | 14                    |
| 15 SPACE             | 1       | 1       |      |        |      |              |                     | #10 | #10                 | 3/4" | 2       | 30        | SPD                   |
| 17 SPACE             | 1       | 1       |      |        |      |              |                     |     |                     |      |         |           | 18                    |

| LOAD CLASSIFICATION        | DEMAND        | KVA This Panel |    | KVA Sub-Panels |   | KVA Connected |    | KVA Demand |    | CONNECTED (AMPS) | DEMAND (KVA) |
|----------------------------|---------------|----------------|----|----------------|---|---------------|----|------------|----|------------------|--------------|
|                            |               | A              | B  | A              | B | A             | B  | A          | B  |                  |              |
| M MOTOR                    | APPLIANCE # 0 | 100%           | 0  | 0              | 0 | 0             | 0  | 0          | 0  | 0                | 0            |
| K KITCHEN                  |               | 100%           | 0  | 0              | 0 | 0             | 0  | 0          | 0  | 0                | 0            |
| R RECEPTACLES              |               | 100VA-50%      | 2  | 1              | 0 | 0             | 2  | 1          | 2  | 1                | 4            |
| L LIGHTING                 |               | 100%           | 1  | 0              | 0 | 0             | 1  | 0          | 1  | 0                | 1            |
| H HVAC                     |               | 100%           | 0  | 0              | 0 | 0             | 0  | 0          | 0  | 0                | 0            |
| N N-1 REFRIGERANT LOAD     |               | 50%            | 0  | 0              | 0 | 0             | 0  | 0          | 0  | 0                | 0            |
| E ELECTRIC VEHICLE CHARGER | KVA LIMIT     | 100%           | 0  | 0              | 0 | 0             | 0  | 0          | 0  | 0                | 0            |
| O OTHER                    |               | 100%           | 0  | 0              | 0 | 0             | 0  | 0          | 0  | 0                | 0            |
| TOTAL LOAD (KVA)           |               |                | 2  | 1              | 0 | 2             | 2  | 1          | 2  | 1                | 4            |
| TOTAL LOAD (AMPS)          |               |                | 23 | 13             | 0 | 23            | 13 | 23         | 13 |                  | 29           |



### 1 PARTIAL RISER DIAGRAM - ELECTRICAL

SCALE: NONE

- GENERAL NOTES:  
 1. SHORT CIRCUIT CALCULATIONS PERFORMED ON (05/30/2024) BASED ON INFORMATION FOR 1000 KVA TRANSFORMER.  
 2. PROVIDE ARCH FLASH WARNING LABELS ON NEW ELECTRICAL EQUIPMENT DESIGNATED IN NEC 2020. CONTACT ENGINEER FOR ELECTRONIC COPY OF LABELS.

### 2 RISER DIAGRAM - GROUNDING

SCALE: N.T.S

- NOTES:  
 1. ALL CONDUCTORS SHALL BE RUN IN A DIRECT PATH TO THE EXTENT POSSIBLE.  
 2. THE MINIMUM BEND ANGLE FOR ANY GROUNDING CONDUCTOR SHALL BE 90 DEGREES.  
 3. THE MINIMUM BEND RADIUS FOR ANY GROUNDING CONDUCTOR SHALL BE 6".  
 4. PROVIDE PVC SLEEVES FOR ALL WALL, FLOOR, CEILING, SLAB, ETC. PENETRATIONS. IF METAL SLEEVES ARE USED, PROVIDE GROUND BUSHINGS AND BOND CONDUCTOR TO BUSHING AT EACH LOCATION PROVIDED.  
 5. ALL GROUND CONDUCTORS SHALL BE FREE OF SPLICES.  
 6. CLEAN ALL SURFACES BEFORE MAKING CONNECTIONS. TAKE ALL STEPS POSSIBLE TO ENSURE LOW CONTACT RESISTANCE AT TERMINATION LOCATIONS.

### ELECTRICAL GENERAL NOTES

- WIRING SHALL BE COPPER, TYPE THHN/THWN-2 IN RACEWAY UNLESS NOTED OTHERWISE. RIGID ELECTRICAL NON-METALLIC SCHEDULE 40 PVC SHALL BE USED IN SLABS AND BELOW GRADE. RIGID STEEL CONDUIT (RSC) SHALL BE USED WHERE EXPOSED TO PHYSICAL DAMAGE. ELECTRICAL METALLIC TUBING (EMT) MAY BE USED ELSEWHERE WHERE APPROVED BY N.E.C. AND LOCAL CODES. FLEXIBLE METAL CONDUIT (FMC) SHALL BE STEEL AND SHALL BE USED TO CONNECT MOVABLE EQUIPMENT AND/OR SUBJECT TO VIBRATION. LIQUID-TIGHT FLEXIBLE METALLIC CONDUIT (LFMC) SHALL BE USED OUTDOORS OR WHERE SUBJECT TO MOISTURE.
- CONDUIT SHALL BE STRAPPED IN ACCORDANCE WITH REQUIREMENTS OF N.E.C.
- CONTRACTOR SHALL BOND AND GROUND SYSTEMS AND EQUIPMENT PER ARTICLE 250 OF N.E.C. PROVIDE A GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH ARTICLE 250-122 N.E.C. ON ALL RECEPTACLES AND POWER BRANCH CIRCUITS.
- LIGHTING FIXTURES SHALL BE SECURELY FASTENED AND SUPPORTED PER N.E.C.
- THE CONTRACTOR SHALL COORDINATE THE CIRCUIT REQUIREMENTS WITH THE MANUFACTURER OF THE ACTUAL EQUIPMENT FURNISHED UNDER OTHER DIVISIONS OF WORK. THE CIRCUIT BREAKER, WIRE AND CONDUIT SHALL BE SIZED AS RECOMMENDED BY THE EQUIPMENT MANUFACTURER.
- CIRCUIT BREAKERS SHALL BE BOLT-IN TYPE.
- PROVIDE A LAMINATED PLASTIC NAMEPLATE IDENTIFYING EACH NEW PANELBOARD, MOTOR STARTER AND DISCONNECT SWITCH. LETTERING SHALL BE 1/2" MINIMUM AND SHALL IDENTIFY EQUIPMENT SERVED, FEEDER ORIGIN AND CIRCUIT NUMBER. SECURE NAMEPLATE WITH SCREWS TO EQUIPMENT TO BE IDENTIFIED. PLASTIC TAPES NOT APPROVED.
- A 1/2" DIA. GFI RECEPTACLE SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED ON THE SAME LEVEL AND WITHIN 2 FT. OF THE HEATING, AIR-CONDITIONING, AND REFRIGERATION EQUIPMENT. THE OUTLET SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS.
- DEVICES MOUNTING HEIGHTS INDICATED SHALL BE TO DEVICE CENTER LINE.
- RELOCATE, AS REQUIRED, ANY EXISTING WIRE AND CONDUIT WHICH INTERFERES WITH INSTALLATION OF THE NEW WORK.
- EXTERIOR DEVICES SHALL BE WEATHER PROOF ENCLOSURES AND GFI RATED IN ACCORDANCE WITH N.E.C. INSTALLER REQUIRED TO VERIFY PRIOR TO ORDERING MATERIALS.
- EACH FEEDER, UNGROUNDED CONDUCTOR, AND GROUNDED CONDUCTOR SHALL BE IDENTIFIED BY PHASE OR LINE AND SYSTEM, ALL TERMINATION, CONNECTION, AND SPLICE POINTS. IDENTIFICATION MEANS SHALL BE PERMANENTLY POSTED AT EACH PANELBOARD OR SIMILAR DISTRIBUTION EQUIPMENT WITH LABEL. LABEL SHALL BE 1/8-INCH THICK PLASTIC WITH BLACK BACKGROUND AND 1/4-INCH HIGH WHITE LETTERS ATTACHED WITH CONTACT TYPE PERMANENT ADHESIVE. SEE FIGURE BELOW FOR TYPICAL LABEL DESIGN.

| VOLTAGE  | BLACK   | BROWN   |
|----------|---------|---------|
| 208/120V | PHASE A | PHASE B |
| 480/277V | PHASE B | PHASE C |
|          | PHASE C | YELLOW  |
|          | NEUTRAL | GRAY    |

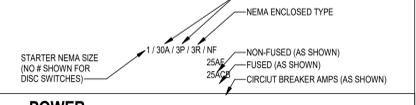
### ABBREVIATIONS

- AFC AVAILABLE FAULT CURRENT
- AFF ABOVE FINISHED FLOOR
- AFS ABOVE FINISHED GRADE
- ATS AUTOMATIC TRANSFER SWITCH
- C CONDUIT
- CLG DEVICE LOCATED ON CEILING
- CNT CONTRACTOR
- DISC DISCONNECT
- DN DOWN
- EC ELECTRICAL CONTRACTOR
- EM FIXTURE PROVIDED WITH EMERGENCY BATTERY OR ON EMERGENCY CIRCUIT
- EWG ELECTRIC WATER COOLER
- EX EXISTING ELECTRICAL DEVICE TO REMAIN
- GFCI GROUND FAULT CIRCUIT INTERRUPTER
- GFI GROUND FAULT INTERRUPTER
- GRB GROUND FAULT INTERRUPTER BREAKER
- GRC GALVANIZED RIGID CONDUIT
- MSB MAIN SWITCH BOARD
- NL NIGHT LIGHT (FIXTURE CONNECTED UNSWITCHED)
- PSB POWER SOURCE BREAKER
- PNL ELECTRICAL PANEL
- REL RELOCATE EXISTING ELECTRICAL DEVICE
- TC TIME CLOCK
- TP TAMPER PROOF DEVICE
- TYP TYPICAL
- UNO UNLESS NOTED OTHERWISE
- WP WEATHERPROOF

### LIGHTING AND LIGHTING CONTROLS

- A # LIGHT FIXTURE - LETTER INDICATES FIXTURE TYPE; # INDICATES ZONE, WHERE SHOWN.
- EM SHADING OR "EM" INDICATES FIXTURE ON EMERGENCY CIRCUIT
- SUSPENDED PENDANT FIXTURE
- EXIT LIGHT FIXTURE - PROVIDE ARROWS WHERE SHOWN. SHADING INDICATES FACE(S) OF EXIT LIGHT (POWERED EXIT SIGNS SHALL BE WIRED "UNSWITCHED")
- DENOTES WALL MOUNTED DEVICE
- 1 SINGLE-POLE TOGGLE SWITCH - 120/277 VOLT, 20 AMP, MOUNT 48" AFF
- B # DIGITAL ON/OFF WALL SWITCH - # INDICATES CONTROLLED ZONES, MOUNT 48" AFF. MATCH QUANTITY OF SWITCHES TO NUMBER OF CONTROLLED ZONES, ENGRAVED ON/OFF, WATSTOPPER, LMSW-10X-ENG1 OR APPROVED EQUAL
- RC # DIGITAL 10A, ON/OFF-10 VOLT DIMMING ROOM CONTROLLER. # INDICATES CONTROLLED ZONES. WATSTOPPER, LDMC-100 OR APPROVED EQUAL
- M DIGITAL OCCUPANCY SENSOR - CEILING MOUNTED, DUAL TECHNOLOGY. # INDICATES CONTROLLED ZONES. WATSTOPPER, LMD-100 OR APPROVED EQUAL
- S 30A TOGGLE DISCONNECT SWITCH. PROVIDE 1, 2 OR 3 POLE AS NECESSARY TO MATCH CONTROLLED CIRCUIT.
- WIRE IN CONDUIT - CONCEALED IN WALL OR CEILING.
- LOW VOLTAGE WIRING - CONCEALED IN WALL OR CEILING.
- HOME RUN TO PANEL - ARROW INDICATE NUMBER OF CIRCUITS, SHORT SLASH MARKS INDICATE NUMBER OF PHASE CONDUCTORS, LONG SLASH MARKS INDICATE NEUTRAL CONDUCTOR(S), LONG SLASH MARK WITH HOOK INDICATES GREEN GROUND WIRE. WHERE NOT SHOWN GROUND WIRE IS STILL REQUIRED IN EACH FEEDER, LIGHTING, RECEPTACLE AND POWER BRANCH CIRCUIT. NO SLASH MARKS INDICATE 2 CURRENT CARRYING CONDUCTORS AND GROUND WIRE. THERE SHALL BE NO SHARED NEUTRALS BETWEEN MULTIPLE CIRCUITS.
- ELECTRICAL PANEL - 120/208 VOLT
- ELECTRICAL PANEL - 277/480 VOLT
- JUNCTION BOX - 4" SQUARE (UNO)
- DISCONNECT SWITCH - SEE DRAWING OR MECHANICAL EQUIPMENT SCHEDULE FOR SIZE
- COMBINATION DISCONNECT SWITCH - MAGNETIC MOTOR STARTER - WHEN SERVING MOTOR 15HP OR LARGER, REDUCED VOLTAGE STARTER IS REQUIRED. (SEPARATE ITEMS ACCEPTABLE IN PLACE OF COMBINATION) - SEE DRAWING FOR SIZE.

\*EQUIPMENT SIZES WILL BE INDICATED AS FOLLOWS:



- POWER
- DUPLEX RECEPTACLE - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.
- DUPLEX RECEPTACLE - GFCI - 120 VOLT, 20 AMP, 3 POLE GROUNDING TYPE, MOUNT 18" AFF WITH GROUND PRONG UP UNLESS NOTED OTHERWISE.

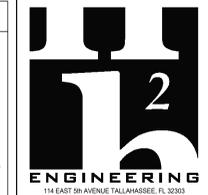
### GENERAL NOTES

- INSTALL ALL WORK IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2023, THE FLORIDA FIRE PREVENTION CODE, THE NATIONAL ELECTRICAL CODE 2020 EDITION, AND ALL CODES, ORDINANCES, RULES AND REGULATIONS OF AUTHORITIES HAVING JURISDICTION AT THIS SITE. WHERE CONFLICTS OCCUR BETWEEN CODES AND THE CONSTRUCTION DOCUMENTS, THE MOST RESTRICTIVE REQUIREMENTS SHALL GOVERN.
- DRAWINGS ARE DIAGRAMMATIC, INDICATIVE OF WORK TO BE FURNISHED AND INSTALLED UNDER THIS CONTRACT. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL DIMENSIONS.
- FIELD VERIFY ALL DIMENSIONS AND ALL CONDITIONS. IF THE CONTRACTOR IS UNABLE TO INTERPRET THE CONTRACT DOCUMENTS, CONTRACTOR IS RESPONSIBLE TO REQUEST CLARIFICATION IN WRITING TO THE ARCHITECT. IF CONTRACTOR PROCEEDS WITH ANY WORK BEFORE OBTAINING CLARIFICATION, CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DEFICIENCIES ASSOCIATED THEREWITH.
- BEFORE SUBMITTING FOR THE WORK, EACH BIDDER WILL BE RESPONSIBLE TO EXAMINE THE PREMISES AND SATISFY HIMSELF AS TO THE EXISTING CONDITIONS UNDER WHICH CONTRACTOR WILL BE OBLIGED TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL BE SUBSEQUENTLY BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION ON CONTRACTOR'S PART.
- THE CONTRACTOR SHALL PAY FOR ALL INSPECTION PERMITS, CERTIFICATES, CONNECTION FEES, SYSTEM DEMAND CHARGES AND LICENSE FEES IN CONNECTION WITH CONTRACTORS WORK.
- CONSTRUCTION MANAGER SHALL BE RESPONSIBLE FOR COORDINATING WORK OF ALL SUBCONTRACTORS TO AVOID INTERFERENCES.
- ALL WORK SHALL COMPLY WITH APPLICABLE O.S.H.A. AND E.P.A. REGULATIONS AND GUIDELINES.
- ERECT AND MAINTAIN ALL REASONABLE PRECAUTIONS FOR SAFETY AND HEALTH INCLUDING POSTING DANGER SIGNS AND OTHER WARNINGS AGAINST HAZARDOUS INCLUDING PROMULGATING SAFETY REGULATIONS, PROVIDE SAFETY PRECAUTIONS AND BARRICADES FOR PEDESTRIANS AT CONSTRUCTION VEHICLE ACCESS AND EGRESS LOCATIONS.
- COORDINATE AND SEQUENCE ALL DEMOLITION, CLEANING AND CONSTRUCTION WORK. SUBMIT A COMPLETELY DETAILED CONSTRUCTION SCHEDULE PRIOR TO PRE-CONSTRUCTION CONFERENCE.
- THE CONTRACTOR SHALL STRICTLY BE HELD TO THE PROJECT SCHEDULE. CONTRACTOR SHALL PROVIDE SUFFICIENT MANPOWER AND EQUIPMENT TO FULLY MOBILIZE, PROCEED WITH AND COMPLETE THE WORK.
- THE CONTRACTOR SHALL BE RESTRICTED TO AREAS SPECIFIED BY THE OWNER FOR ON-SITE STORAGE TO OPERATE AND COMPLETE THE WORK UNDER THIS CONTRACT. NO ALLOWANCE WILL BE MADE IN THIS CONNECTION ON BEHALF OF THE CONTRACTOR FOR ANY ERROR OR OMISSION IN THE WORK.
- THE CONTRACTOR SHALL MAINTAIN A CLEAN WORK ENVIRONMENT AT ALL TIMES AND SHALL CLEAN CONSTRUCTION SITE OF ALL DEBRIS AT COMPLETION OF THE JOB AND BEFORE FINAL PAYMENT IS MADE.
- THE CONTRACTOR SHALL FURNISH "AS-BUILT" DRAWINGS TO THE OWNER AT COMPLETION OF CONSTRUCTION.
- CONTRACTOR SHALL GUARANTEE THE WORK AND MATERIALS FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE. THIS GUARANTEE SHALL BE IN ADDITION TO THE WARRANTIES PROVIDED BY MATERIAL SUPPLIERS AND MANUFACTURERS.
- CONTRACTOR'S USE OF AN APPROVAL STAMP ON DOCUMENTS SUBMITTED AS SHOP DRAWINGS, PRODUCT DATA, SAMPLES AND SIMILAR SUBMITTALS CERTIFIES THAT THE CONTRACTOR HAS COMPLIED WITH THE CONTRACT DOCUMENT REQUIREMENTS RELATED TO SHOP DRAWINGS, PRODUCT DATA AND SAMPLES.
- THE CONTRACTOR SHALL NOT BE DEEMED RESPONSIBLE FOR DEVIATIONS FROM REQUIREMENTS OF THE CONTRACT DOCUMENTS BY THE ARCHITECT/ENGINEER'S APPROVAL OF SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE ARCHITECT/ENGINEER IN WRITING OF SUCH DEVIATION AT THE TIME OF SUBMITTAL AND THE ARCHITECT/ENGINEER HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION. THE CONTRACTOR SHALL NOT BE DEEMED RESPONSIBLE FOR ERRORS OR OMISSIONS IN SHOP DRAWINGS, PRODUCT DATA, SAMPLES OR SIMILAR SUBMITTALS BY THE ARCHITECT/ENGINEER'S APPROVAL THEREOF.
- ENTRY AND REMOVAL OF EQUIPMENT FROM THE BUILDING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR ANY DAMAGED MATERIALS TO THEIR ORIGINAL CONDITION. SURFACES SHALL BE REPAIRED TO MATCH THE EXISTING ADJACENT UNDAMAGED SURFACES.
- SUPPORTS AND HANGERS SHALL PRESENT A NEAT, ORDERLY APPEARANCE.
- ALL EXTERIOR STRUCTURES INCLUDED, BUT NOT LIMITED TO THE GENERATOR AND GENERATOR FENCE/WALL SHALL BE INSTALLED TO RESIST 140 MPH WIND LOAD.
- CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF ALL FIRE AND SMOKE WALL ASSEMBLIES AND ACoustICAL WALLS.
- BEAM AND FLOOR PENETRATIONS SHALL BE APPROVED BY THE STRUCTURAL ENGINEER. BEAM SLEEVES AND BEAM REINFORCING APPROVED BY STRUCTURAL ENGINEER SHALL BE FURNISHED AND INSTALLED BY THIS CONTRACTOR.
- CONTRACTOR SHALL SUBMIT APPROVED DRAWINGS FOR EACH TYPE OF FIRE RATED ASSEMBLY PENETRATION BY DUCTS, PIPES OR CONDUITS. THESE DRAWINGS SHALL BE DISPLAYED ON THE JOB SITE AT ALL TIMES DURING CONSTRUCTION. SEE SPECIFICATIONS.
- THE BUILDING WILL REMAIN OPERABLE DURING CONSTRUCTION. THE OWNER WILL MAKE ALL REASONABLE EFFORTS TO ASSIGN THE CONTRACTOR IN COMPLETING THE WORK. COORDINATE ALL WORK WITH THE OWNER'S DESIGNATED REPRESENTATIVE.
- EXIT WAYS SHALL BE KEPT CLEAR. IF AN EXIT MUST BE TEMPORARILY BLOCKED, PROVIDE THE REQUIRED BARRICADE AND DIRECTIONAL SIGNS FOR TEMPORARY EXITING AND SAFETY.
- PROVIDE PROPER PROTECTIVE MEASURES TO PROTECT EXISTING FURNITURE, CARPET AND FINISHES DURING THE COURSE OF CONSTRUCTION. TAKE CARE NOT TO DAMAGE EXISTING SURFACES. REPAIR TO MATCH EXISTING CONDITIONS AS REQUIRED.
- SEAL ALL HOLES IN WALLS, CEILINGS, FLOORS, ETC. TO MATCH EXISTING ADJACENT SURFACES WHERE EQUIPMENT, CONDUIT AND/OR PIPING ARE REMOVED.
- REPLACE ALL SIDEWALKS DAMAGED BY OR DURING CONSTRUCTION OF THIS PROJECT.
- REMOVE ALL SHRUBBERY PLANTS, ETC. WHICH INTERFERE WITH WORK UNDER THIS CONTRACT. REPLACE NEW BALLASTS AND LAMPS AS NEEDED FOR ALL EXISTING FIXTURES.
- ALL EXISTING AREAS OF SOIL SHALL BE RE-SEEDDED. REPLACEMENT OR REPLANTING TO BE GUARANTEED FOR ONE YEAR.

### ELECTRICAL DEMOLITION NOTES

- UNLESS OTHERWISE NOTED, REMOVE ALL ELECTRICAL MATERIALS AND EQUIPMENT FROM AREAS INDICATED FOR DEMOLITION.
- REMOVE ALL ELECTRICAL EQUIPMENT (CONDUIT, POWER & CONTROL WIRING, DISCONNECT SWITCHES, STARTERS, ETC.) RELATED TO EQUIPMENT BEING REMOVED OR REPLACED.
- REMOVE UNUSED CONDUIT TO THE EXTENT NECESSARY TO ACCOMMODATE NEW WORK AND WHERE CONDUIT IS VISIBLE ABOVE THE FLOOR LINE, EXISTING UNUSED CONDUIT WHICH IS CONCEALED, AND WHICH DOES NOT INTERFERE WITH THE WORK, MAY REMAIN IN PLACE. SEAL ABANDONED LINES THAT REMAIN IN PLACE BEHIND WALLS OR FLOOR SURFACES. REMOVE EXISTING UNUSED WIRES.
- WIRING AND CONDUIT TO ELECTRICAL DEVICES BEING REMOVED SHALL BE REMOVED BACK TO NEAREST JUNCTION BOX. ANY DEVICES DOWNSTREAM FROM THESE POINTS SHALL REMAIN OPERABLE.
- CONTRACTOR SHALL REMOVE ALL ELECTRICAL WORK FROM PARTITIONS AND WALLS BEING REMOVED. CONTRACTOR SHALL REMOVE AND/OR RELOCATE ALL LIGHTING FIXTURES SHOWN REQUIRING WORK. WORK INCLUDES REWIRING TO THE FIXTURES, SWITCHES AND RECEPTACLES. CONNECTION TO EXISTING CIRCUITS SHALL BE MADE EXCEPT WHERE OVERLOADING OCCURS. IN EACH CASE, CONTRACTOR SHALL PROVIDE A NEW HOMERUN TO CLOSEST AVAILABLE PANEL AND PROVIDE A NEW CIRCUIT BREAKER EQUAL TO EXISTING. THE CIRCUITS TO NEW EQUIPMENT OTHER SHALL BE NEW HOMERUNS AND NEW CIRCUIT BREAKERS ADEQUATE FOR THE LOAD CONNECTED.
- CONTRACTOR SHALL, UPON COMPLETION OF WORK, ENSURE ALL EXISTING CIRCUITS ADJACENT THE REMOVED AREAS ARE IN PROPER WORKING CONDITION.
- CONTRACTOR SHALL MAKE ALL NECESSARY ADJUSTMENTS TO ELECTRICAL DEVICES REQUIRED TO ACCOMMODATE NEW WALLS AND CEILINGS. BECAUSE OF THE NATURE OF THE JOB, UNFORESEEN INTERFERENCES MAY OCCUR. CLOSE COORDINATION BETWEEN TRADES IS REQUIRED. VERIFY ALL CONNECTION REQUIREMENTS BEFORE ROUGH-IN.
- ALL EXISTING LIGHT FIXTURES BEING REMOVED & REINSTALLED SHALL BE CLEANED AND REPAIRED. REPLACE NEW BALLASTS AND LAMPS AS NEEDED FOR ALL EXISTING FIXTURES.
- ALL REMOVED BALLASTS & LAMPS SHALL BE CAREFULLY STORED, PACKAGED, AND DISPOSED OF ACCORDING TO EPA REQUIREMENTS. ALL FEES ASSOCIATED WITH LEGAL DISPOSAL OF LAMPS & BALLASTS SHALL BE PAID FOR BY THE CONTRACTOR.

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 Matthew T. Scripps, P.E. #56309

### BAY COUNTY DISTRICT SCHOOLS

### DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE

### PANAMA CITY, FLORIDA



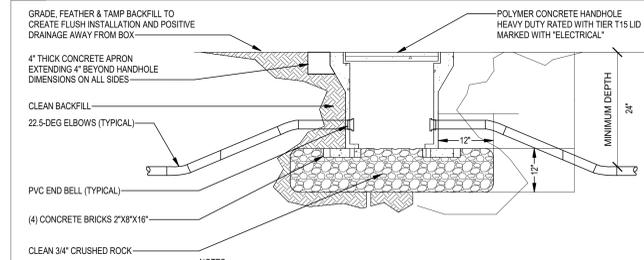
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| Phase              | Date     | Drw | Chk |
|--------------------|----------|-----|-----|
| DESIGN DEVELOPMENT | 04/05/24 | JZB | MTS |
| CDS                | 05/30/24 | JZB | MTS |
| CDS                | 07/02/24 | JZB | MTS |

| Revision |             |      |
|----------|-------------|------|
| #        | Description | Date |
|          |             |      |



NOTES:  
 1. SEE PLANS FOR SIZE (LxW) OF HANDHOLE AND SIZE / QUANTITY OF CONDUITS.  
 2. HANDHOLE DEPTHS: 12"x12" - 12" DEEP, 13"x24" - 18" DEEP, 24"x24" & LARGER - 24" DEEP

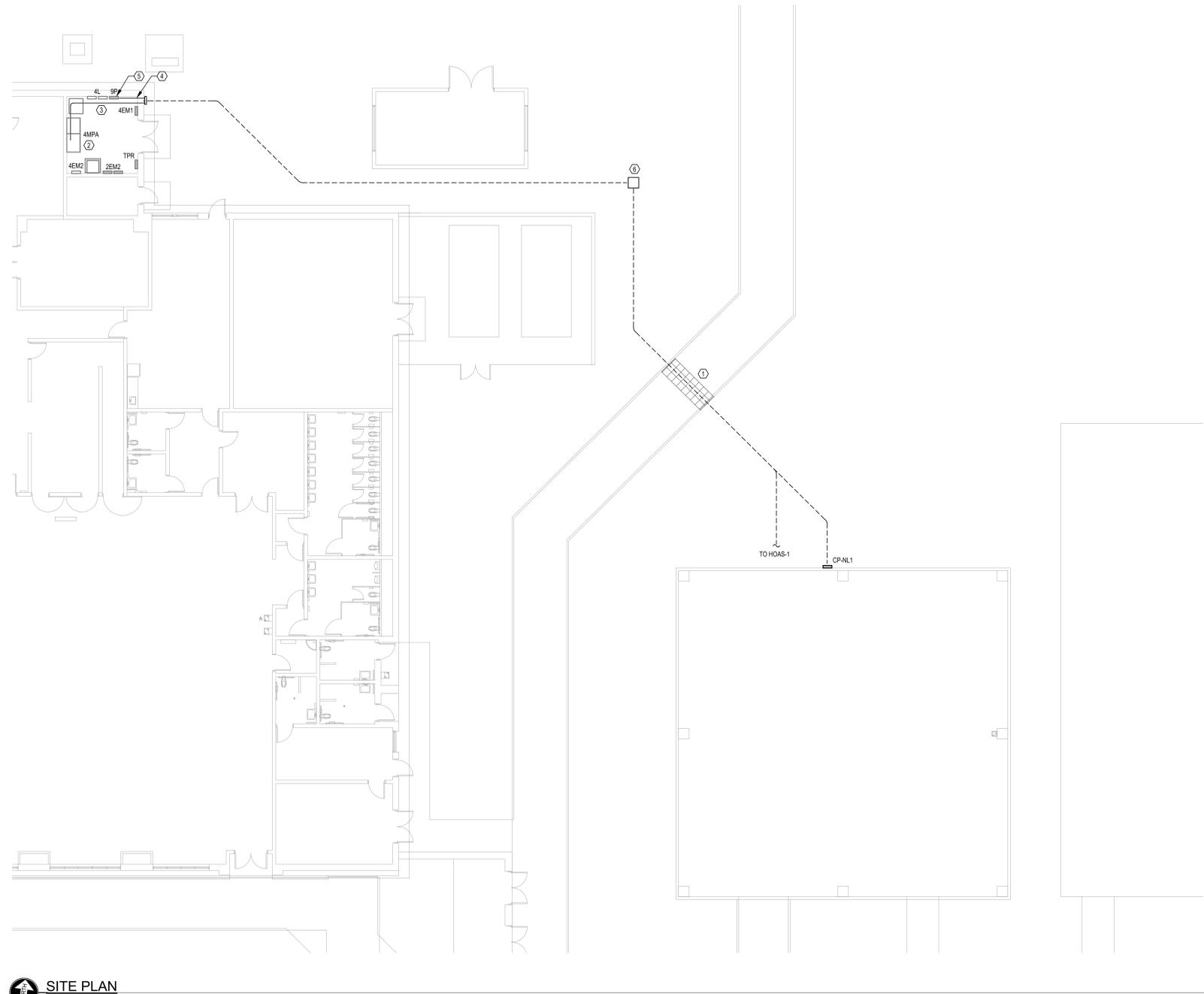
A IN GRADE POLYMER CONCRETE HANDHOLE - TURF AREAS

**RENOVATION GENERAL NOTES**

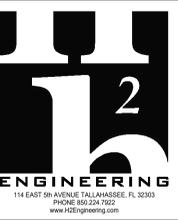
- EXISTING CONDITIONS ARE TAKEN FROM SITE SURVEY AND AS-BUILT DRAWINGS WHEN AVAILABLE AND ARE NOT GUARANTEED ACCURATE IN ALL CIRCUMSTANCES. CONTRACTOR SHALL FIELD VERIFY DIMENSIONS AND EXISTING CONDITIONS PRIOR TO DEMOLITION OR CONSTRUCTION OF NEW WORK.
- EXISTING DEVICES ARE SHOWN SHADED. ALL OTHER DEVICES ARE NEW.

**RENOVATION KEYNOTES**

- CUT AND PATCH EXISTING SIDEWALK AS NEEDED TO RUN NEW CONDUIT.
- PROVIDE A NEW 80A, 3-POLE BREAKER IN AVAILABLE SPACE IN EXISTING CUTLER HAMMER ROW-LINE SWITCHBOARD. PROVIDE NEW TYPE WRITTEN UPDATED PANEL SCHEDULE TO REFLECT CHANGES.
- PROVIDE 2" EMT CONDUIT FROM 4MPD THROUGH WALL TO 18" x 18" x 4" PULL BOX MOUNTED 8'-0" ABOVE GRADE. PROVIDE 2" RSC CONDUIT DOWN WALL FROM PULL BOX TO BELOW GRADE AND TRANSITION TO SCH 40 PVC. ROUTE TO DISCONNECT FEEDING HOAS-1 AS SHOWN ON SITE PLAN. PAINT ALL EXPOSED CONDUIT TO MATCH SURROUNDING SURFACES. SEE RISER DIAGRAM FOR WIRE SIZES.
- PROVIDE 1" EMT CONDUIT FROM PANEL 9P THROUGH WALL TO 18" x 18" x 4" PULL BOX MOUNTED 8'-0" ABOVE GRADE. PROVIDE 2" RSC CONDUIT DOWN WALL FROM THE PULL BOX TO BELOW GRADE AND TRANSITION TO SCH 40 PVC. ROUTE TO PANEL CP-NL1 AS SHOWN ON SITE PLAN. TO THE PRIMARY SIDE DISCONNECT FOR T-CP. PAINT ALL EXPOSED CONDUIT TO MATCH SURROUNDING SURFACES. SEE RISER DIAGRAM FOR WIRE SIZES.
- DEMOLISH EXISTING 100A/2P SPARE BREAKERS IN SPACES 30,32 AND PROVIDE NEW 30A/2P BREAKER TO FEED PANEL CP-NL1. PROVIDE NEW TYPE WRITTEN UPDATED PANEL SCHEDULE TO REFLECT CHANGES.
- 24x24x18 POLYMER CONCRETE HANDHOLE WITH TIER 22 HEAVY DUTY LID WITH 'ELECTRICAL' MARKING. OLDCASTLE POLYMER MODEL #2424 OR APPROVED EQUAL.



**SITE PLAN**  
 1" = 10'-0"



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BAY COUNTY DISTRICT SCHOOLS

DEANE BOZEMAN SCHOOL PE PAVILION ENCLOSURE

PANAMA CITY, FLORIDA



**Clemons, Rutherford, & Associates, Inc.**

Architects  
 Planners  
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 2027 Thomasville Road  
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| Submittal          |          |     |     |
|--------------------|----------|-----|-----|
| Phase              | Date     | Drw | Chk |
| DESIGN DEVELOPMENT | 04/05/24 | JZB | MTS |
| CDS                | 05/30/24 | JZB | MTS |
| CDS                | 07/02/24 | JZB | MTS |

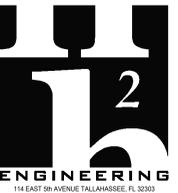
| Revision |             |      |
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| #        | Description | Date |
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CRA Project # **23060**

Phase: **CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**SITE PLAN**

**E1.0**



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FLORIDA REGISTRY #4685  
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CRA Project # **23060**

Phase: **CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**FLOOR PLANS**

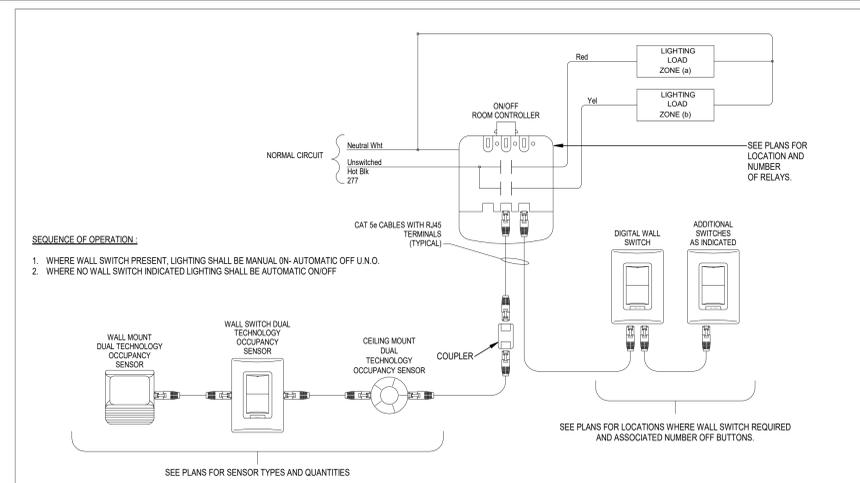
**E1.1**

**RENOVATION GENERAL NOTES**

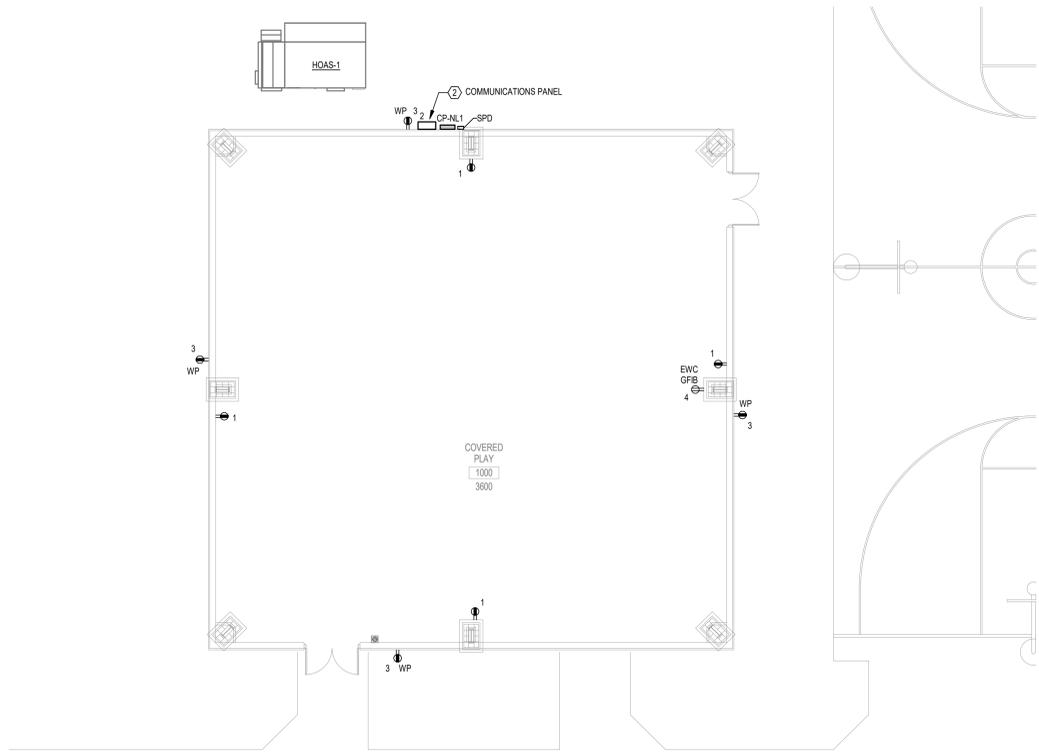
- ALL PENDANT FIXTURES SHALL BE TYPE 'P', MOUNTED AT 18" AFF U.N.O.
- ALL WALL MOUNTED EXIT SIGNS SHALL BE TYPE 'E' U.N.O.
- CONNECT ALL NEW EXITS SIGN FIXTURE TO NEAREST UNSWITCHED LIGHTING CIRCUIT.
- PROVIDE UNSWITCHED LIGHTING CIRCUIT SERVING NORMAL FIXTURES IN SAME SPACE TO EMERGENCY BATTERY PACKS AND EXIT SIGNS. UNSWITCHED LEG MAY RUN IN SAME CONDUIT AS SWITCHED EMERGENCY CIRCUIT.
- DEVICES SHALL BE POWERED FROM PANEL CP-NL1. UNO. DEVICES ARE LABELED WITH CIRCUIT NUMBER CORRESPONDING TO DESIGNATED PANEL.
- MECHANICAL EQUIPMENT DISCONNECTS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR CLARITY. LOCATE DISCONNECTS SO ACCESSIBLE WITH WORKING CLEARANCE PER NEC.
- PAINT ALL EXPOSED CONDUIT TO MATCH SURROUNDING SURFACES.

**RENOVATION KEYNOTES**

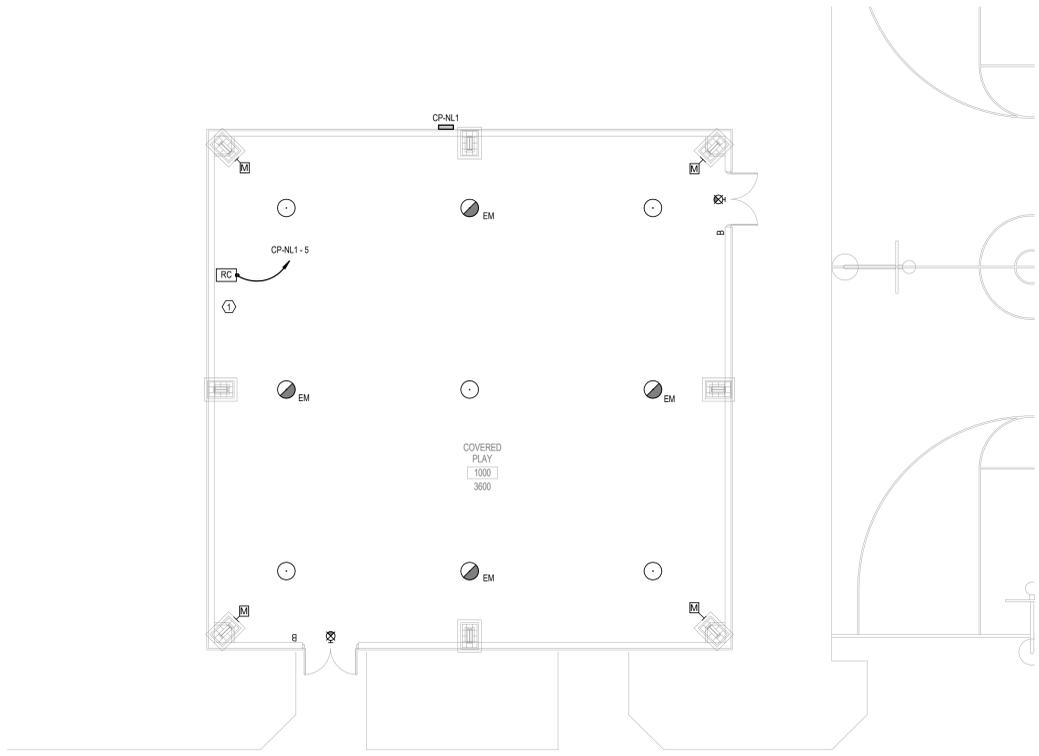
- MOUNT RC TO WALL MOUNTED JUNCTION BOXES AS HIGH AS POSSIBLE.
- WALL MOUNTED COMMUNICATION PANEL WITH 2 - SPD DUPLEX RECEPTACLES. SEE TELECOM PLANS FOR MORE INFORMATION.



**A ROOM ON/OFF CONTROLLER - NORMAL CIRCUIT ONLY**



**FIRST FLOOR PLAN - POWER**  
 1/8" = 1'-0"



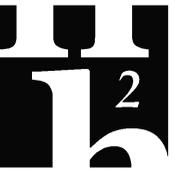
**FIRST FLOOR PLAN - LIGHTING**  
 1/8" = 1'-0"











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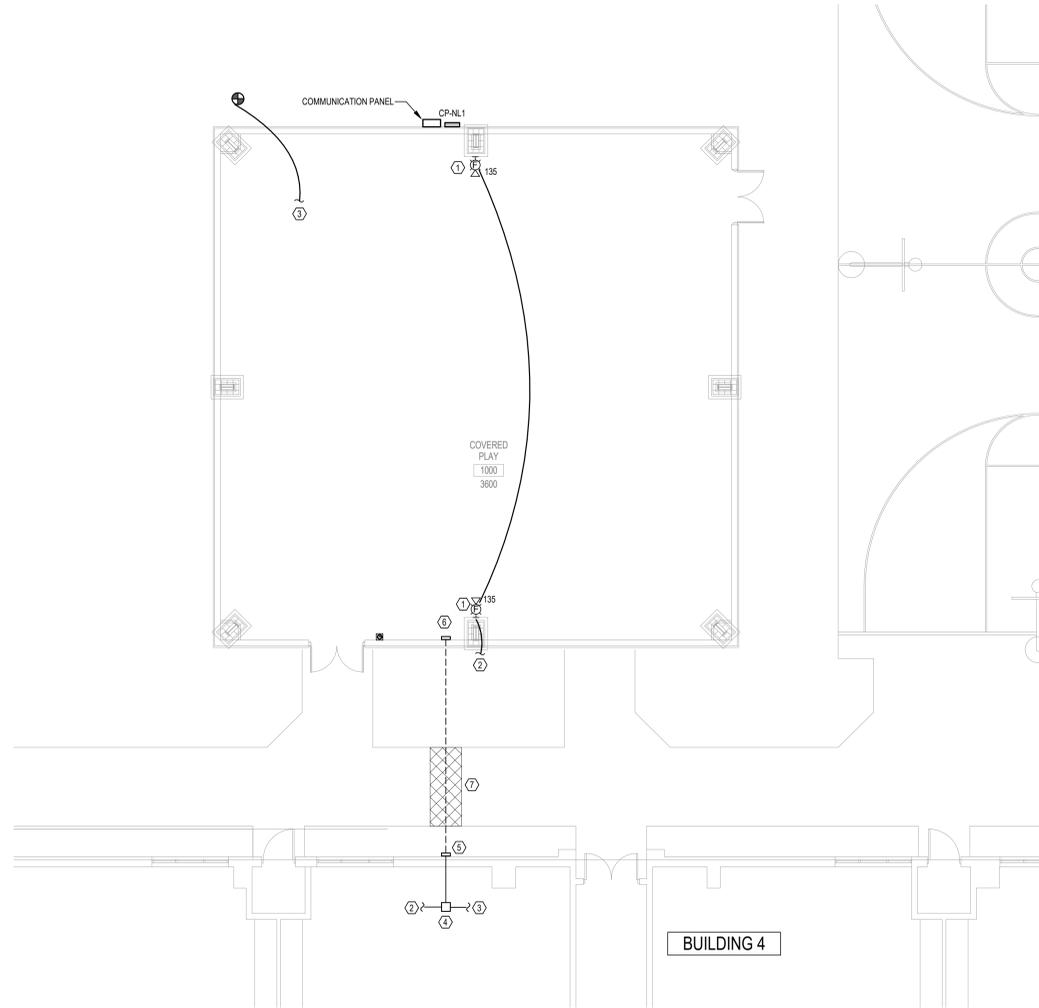
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**FIRE ALARM GENERAL NOTES**

1. PROVIDE AUDIBLE NOTIFICATION FOR ALL REGULARLY OCCUPIED SPACES IN ACCORDANCE WITH "AUDIBLE NOTIFICATION REQUIREMENTS", "SPEECH INTELLIGIBILITY REQUIREMENTS", AND "SYSTEM LAYOUT DOCUMENT REQUIREMENTS" SECTIONS ON SHEET FED 1
2. WHERE VISUAL ONLY NOTIFICATION DEVICES ARE INDICATED, CONTRACTOR MAY SUBSTITUTE AUDIBLE/VISUAL NOTIFICATION DEVICES INSTEAD TO MEET BOTH AUDIBLE AND VISUAL NOTIFICATION REQUIREMENTS IN ACCORDANCE WITH LAYOUT DOCUMENTS AND CALCULATIONS.
3. PROVIDE CEILING MOUNTED DEVICES IN ALL SPACES WITH FINISHED CEILINGS. UNLESS NOTED OTHERWISE, PROVIDE WALL MOUNTED DEVICES IN SPACES WITH NO CEILING. COORDINATE DEVICES WITH OTHER DEVICES ON CEILINGS AND WALLS.

**KEYNOTES**

- ① PROVIDE NEW ADDRESSABLE NOTIFICATION DEVICE TO MATCH EXISTING FIRE ALARM SYSTEM.
- ② EXTEND EXISTING ADDRESSABLE FIRE ALARM NOTIFICATION CIRCUIT FROM NEAREST CIRCUIT WITH AVAILABLE CAPACITY TO NEW NOTIFICATION DEVICES IN COVERED PLAY WITH 2#16 TWISTED PAIR CONDUCTORS.
- ③ EXTEND EXISTING ADDRESSABLE FIRE ALARM INITIATION CIRCUIT FROM NEAREST CIRCUIT WITH AVAILABLE CAPACITY TO NEW INITIATION DEVICES IN COVERED PLAY WITH 2#16 TWISTED PAIR CONDUCTORS.
- ④ APPROXIMATE LOCATION OF 12" x 12" x 4" PULL BOX ABOVE CEILING. INSTALL OVER ACCESSIBLE SECTION OF CEILING OR PROVIDE ACCESS PANEL AS NECESSARY.
- ⑤ STUB 1" CONDUIT OUT WALL AND TRANSITION TO RSC. TURN DOWN WALL AND TERMINATE INTO 12" x 12" x 4" NEMA 4X PULL BOX MOUNTED 18" ABOVE GRADE. RUN RSC FROM PULL BOX TO BELOW GRADE AND TRANSITION TO SCH 40 PVC AND ROUTE TO HANGHOLE AS SHOWN ON SITE PLANS. SEAL ALL CONDUIT PENETRATIONS AND PAINT ALL EXPOSED CONDUIT TO MATCH SURROUNDING SURFACES. RUN BOTH INITIATION CIRCUIT AND NOTIFICATION CIRCUIT IN SAME CONDUIT TO COVERED PLAY.
- ⑥ APPROXIMATE STUB UP LOCATION. TRANSITION FROM SCH 40 PVC TO EMT ABOVE GRADE AND TERMINATE INTO 12" x 12" x 4" PULL BOX. FROM PULL BOX SPLIT INTO TWO SEPARATE 3/4" CONDUITS, ONE FOR INITIATION AND ONE FOR NOTIFICATION AND EXTEND TO DEVICES SHOWN ON PLANS. PAINT ALL CONDUIT AND PULL BOXES WITHIN COVERED PLAY RED.
- ⑦ CUT AND PATCH EXISTING SIDEWALK AS NEEDED TO RUN NEW CONDUIT.



**FIRST FLOOR PLAN - FIRE PROTECTION**  
 1/8" = 1'-0"

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CRA Project # **23060**

Phase: **CONSTRUCTION DOCUMENTS**

SHEET TITLE  
**FLOOR PLAN**

**FE1.1**