22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

CONSTRUCTION DOCUMENTS

PALM BAY PREP ACADEMY
PALM BAY GYMATORIUM

1104 BALBOA AVENUE,
PANAMA CITY, FL, 32401

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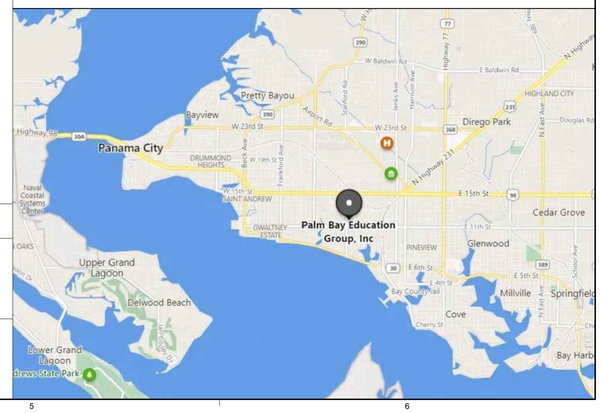
PROJECT LOCATION



PROJECT TEAM

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

COVER SHEET

PROJECT NUMBER	22019
DATED	01/31/2025

A000

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C1 SYMBOLS / LEGEND

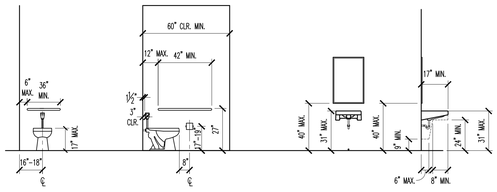
SCALE: NTS

0" DENOTES FINISH FLOOR
-10" DENOTES DISTANCE BELOW FINISH FLOOR
27.8' FINISH FLOOR ELEVATION
27.8' SPOT ELEVATION
CONCRETE WALL THICKNESS SEE FLOOR PLAN FOR THICKNESS
CONCRETE MASONRY UNIT WALL, 8" (UNLESS NOTED OTHERWISE)
W1 WALL TYPE CODE
1 HOUR FIRE RATED WALL ASSEMBLY
2 HOUR FIRE RATED WALL ASSEMBLY
GRID KEY / SHEET APPEARS ON — A1 / A500 — DETAIL KEY
GRID KEY / SHEET APPEARS ON — A1 / A300 — BUILDING SECTION WALL SECTION
GRID KEY / SHEET APPEARS ON — A1 / A400 — INTERIOR ELEVATION ONE WALL
A1 D1 A600 B1 C1 — INTERIOR ELEVATION MORE THAN ONE WALL SAME ROOM
WINDOW TYPE W1 — WINDOW TYPE
DOOR NUMBER — DOOR NUMBER
STOREFRONT NUMBER AL-1 — STOREFRONT DESIGNATION
SHEET LARGE SCALE PLAN OCCURS ON A4.17 — LARGE SCALE PLAN
ROOM 100 NAME NUMBER — ROOM NAME & NUMBER

C3 TYPICAL MOUNTING HEIGHTS

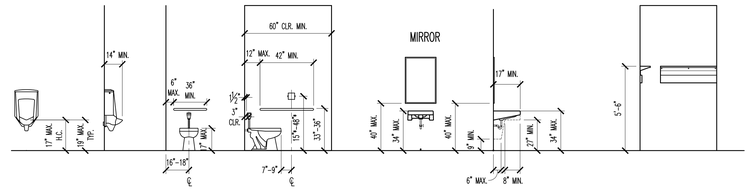
SCALE: NTS

CHILDREN'S USE (TO AGE 12)



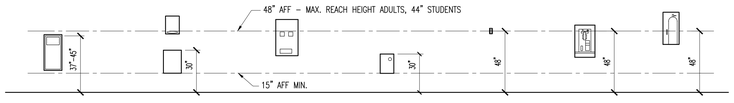
WATER CLOSET — WALL MOUNTED LAVATORY

ADULT/STAFF USE



WALL MOUNTED URINAL — WATER CLOSET — WALL MOUNTED LAVATORY — UTILITY SHELF W/ MOP HOLDER

* PROVIDE 12" CLEARANCE ABOVE GRAB BAR AND 1½" CLEARANCE BELOW GRAB BAR



RECESSED WASTE RECEPTACLE UNIT — TOWEL/WASTE RECEPTACLE UNIT — SANITARY NAPKIN TAMPON VENDOR — SANITARY NAPKIN DISPOSAL — ROBE/TOWEL HOOK — PHONE — F.E.C.

A1 ABBREVIATIONS

SCALE: NTS

A/C	AIR CONDITION
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICANS WITH DISABILITIES ACT
ADJ	ADJUSTABLE
AHU	AIR HANDLING UNIT
AFF	ABOVE FINISHED FLOOR
ALM	ALARM
ALUM	ALUMINUM
ANOD	ANODIZED
ARCH	ARCHITECT
AWT	ACOUSTICAL WALL TREATMENT
BALC	BALCONY
BD	BOARD
BI FLD DR	BIFOLDING DOORS
BITUM	BITUMINOUS
BLDG	BUILDING
BM	BENCHMARK
BOT	BOTTOM
BR	BEDROOM
BRKT	BRACKET
CL	CENTER LINE
C/C	CENTER TO CENTER
CAB	CABINET
CBB	CEMENTITIOUS (BACKER) BOARD
CH	COAT HOOK
CH BD	CHALKBOARD
CJ	CONTROL JOINT
CLG	CEILING
CLL	COLUMN LINE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
CPT	CARPET
CR	CLOSET ROD
CT	CERAMIC TILE
CTB	CERAMIC TILE BASE
CTR	CENTER
CW	CASEMENT WINDOW
DBL	DOUBLE
DEMO	DEMOLISH OR DEMOLITION
DET	DETAIL
DHW	DOUBLE HUNG WINDOWS
DIA	DIAMETER
DIM	DIMENSION
DMPF	DAMP PROOFING
DN	DOWN
DR	DOOR
DS	DOWN SPOUT
DWG	DRAWING
E	EAST
EA	EACH
EB	EXPANSION BOLT
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
EJ	EXPANSION JOINT
EL	ELEVATION
ELEV	ELEVATOR OR ELEVATION
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXT	EXTERIOR
FA	FIRE ALARM
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FIN FLR	FINISH FLOOR
FIN GR	FINISH GRADE
FLR	FLOOR
FLR FIN	FLOOR FINISH
FLR SK	FLOOR SINK
FLUOR	FLUORESCENT
FO	FINISHED OPENING
FOS	FACE OF STUD
FT	FEET
FX	FIRE EXTINGUISHER
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GDR	GUARD RAIL
GFRG	GLASS-FIBER-REINFORCED GYPSUM
GL	GLASS
GL BLK	GLASS BLOCK
GR FL	GROUND FLOOR
GYM	GYMNASIUM
GYP BD	GYPSUM WALL BOARD
H&CW	HOT AND COLD WATER
HB	HOSE BIB
HC	HANDICAP
HCT	HOSE CABINET
HDG	HOT DIPPED GALVANIZED
HMD	HOLLOW METAL DOOR
HMDF	HOLLOW METAL DOOR AND FRAME
HMF	HOLLOW METAL FRAME
HORIZ	HORIZONTAL
HT	HEIGHT
HW	HOT WATER
ID	INSIDE DIAMETER
INCL	INCLUDED
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN CLO	JANITOR CLOSET
LAM	LAMINATE
LAM GL	LAMINATED GLASS
LAV	LAVATORY
LD BRG	LOAD-BEARING
LT GA	LIGHT GAGE
LVR	LOUVER
LWC	LIGHTWEIGHT CONCRETE
MAX	MAXIMUM
MBR	MASTER BEDROOM
MD	METAL DECK
MEMB	MEMBRANE
METD	METAL DOOR
METF	METAL FLASHING
MEZZ	MEZZANINE
MID	MIDDLE
MO	MASONRY OPENING
MECH	MECHANICAL
MFR	MANUFACTURER
MFR REC	MANUFACTURER'S RECOMMENDATION
MIN	MINIMUM
MISC	MISCELLANEOUS
MLDG	MOLDING (MOULDING)
MRT	MARBLE THRESHOLD
MS	MOP SINK
MTL	METAL
MWB	MEMBRANE WATERPROOFING
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OC	ON CENTER
OF/CI	OWNER FURNISHED INSTALLED
OF/OI	OWNER FURNISHED / OWNER INSTALLED
OH DR	OVERHEAD (COILING) DOOR
ORD	OVERFLOW ROOF DRAIN
PCC	PRE-CAST CONCRETE
PERIM	PERIMETER
PLAM	PLASTIC LAMINATE
PNL	PANEL
PR	PAIR
PT	PAINT / PRESSURE TREATED
PWR	POWER
PEMB	PRE-ENGINEERED METAL BUILDING
QTY	QUANTITY
QTR	QUARTER
R	RADIUS
RB	RUBBER
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RDL	ROOF DRAIN LEADER
RDG INS	RIGID INSULATION, SOLID
REBAR	REINFORCING STEEL BARS
REC	RECESSED
REF	REFERENCE
REINF	REINFORCE
REQD	REQUIRED
REV	REVISION
RH	RIGHT HAND
RLG	RAILING
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SAN	SANITARY
SCHED	SCHEDULE
SCMU	SOLID CONCRETE MASONRY UNIT
SCWD	SOLID CORE WOOD DOOR
SD	SHOP DRAWINGS
SCP	SCUPPER
SGD	SLIDING GLASS DOOR
SH	SHINGLES
SHR	SHOWER
SHRD	SHOWER DRAIN
SHR HD	SHOWER HEAD
SHT	SHEET
SHV	SHELVING
SIM	SIMILAR
SKLT	SKYLIGHT
SF	SQUARE FOOT (FEET)
SLNT	SEALANT
SM	SHEET METAL
SMLS	SEAMLESS
SQ	SQUARE
SQ YD	SQUARE YARD
SS	STANDING SEAM (ROOF)
SST	STAINLESS STEEL
ST	STREET
STC	SOUND TRANSMISSION CLASS
STL	STEEL
STL JST	STEEL JOIST
STL RF DK	STEEL ROOF DECK
TEMP	TEMPORARY
THK	THICKNESS
TMPD GL	TEMPERED GLASS
TN	TRUE NORTH
TO	TOP OF _____
TOB	TOP OF BEAM
TOS	TOP OF STEEL
TYP	TYPICAL
UCD	UNDERCUT DOOR
UR	URINAL
VAP PRF	VAPOR PROOF
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VFAT	VINYL FACED ACOUSTICAL TILE
VIF	VERIFY IN FIELD
VR	VAPOR RETARDER
VTR	VENT THROUGH ROOF
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WDF	WOOD DOOR AND FRAME
WGL	WIRED GLASS
WH	WATER HEATER
WP	WEATHERPROOF
WPM	WEATHERPROOF MEMBRANE
WWF	WELDED WIRE FABRIC

B4 .

SCALE: NTS

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

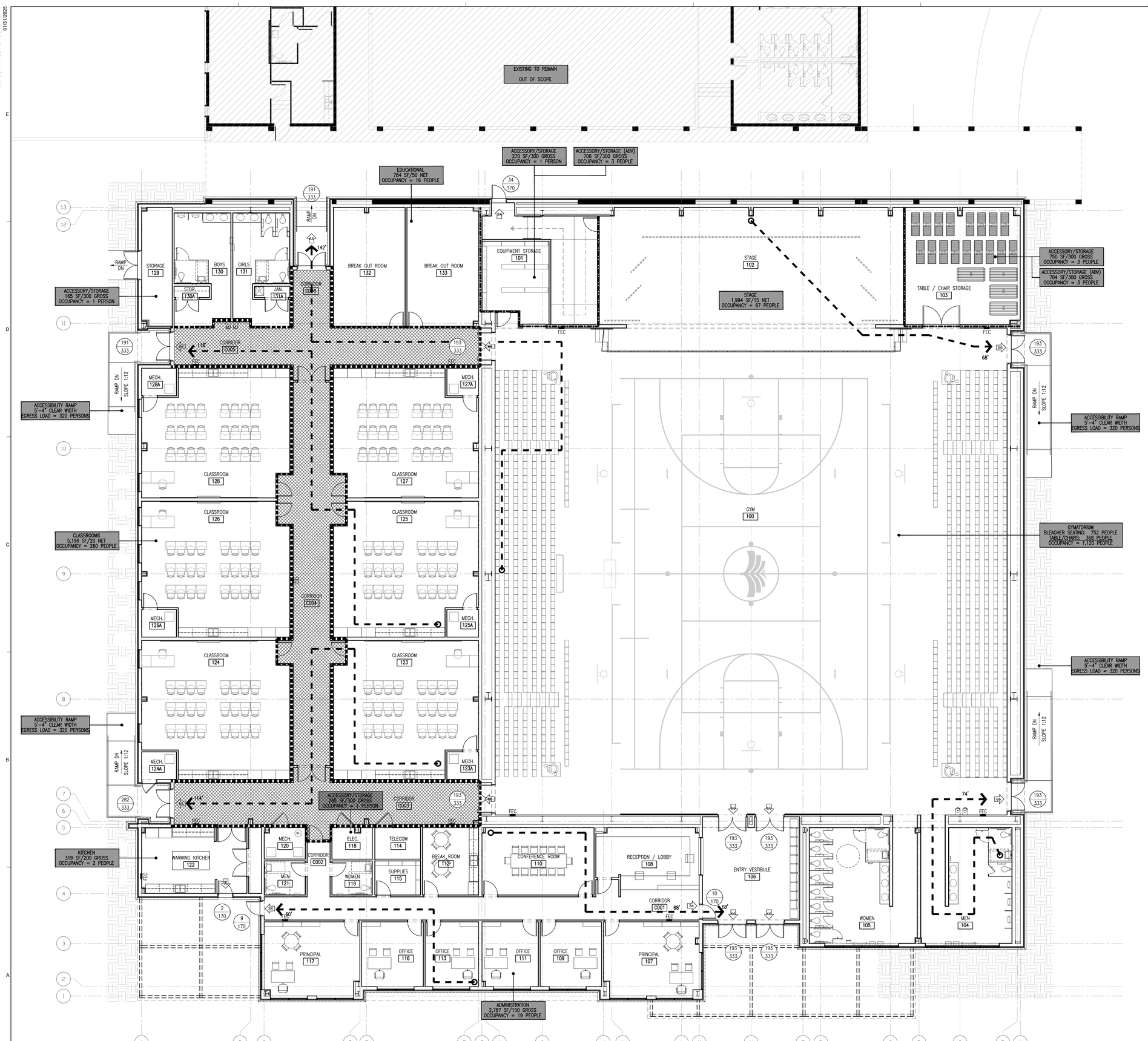
No.	Description	Date

ABBREVIATIONS, SYMBOLS, & LEGEND

PROJECT NUMBER 22019
DATED 01/31/2025

A010

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



LIFE SAFETY LEGEND

- PRIMARY EGRESS WITH UNITS IN INCHES
- EGRESS DISTANCE AND DIRECTION
- FIRE EXTINGUISHER TRAVEL DISTANCE
- EXIT OCCUPANT LOAD / EXIT OCCUPANT CAPACITY
- F.E.C. — FIRE EXTINGUISHER CABINET
- F.E. — FIRE EXTINGUISHER (BRACKET MOUNTED)
- 1-HOUR RATED PARTITION
- EXIT SIGNAGE
- SMOKE PARTITION
- EXTENTS OF SMOKE ENCLOSURE TUNNEL — SEE PARTITION TYPES FOR MORE INFORMATION

LIFE SAFETY NOTES

1. TYPE IIB Construction (2023 FBC)
2. Building Square Footage: 31,285 Gross
3. Minimum corridor width 72" (Educational Occupancy)
4. Minimum clear opening of exit doors - 34"
5. Maximum Travel Distance
   - Common Path = 75 feet or less
   - Dead End Corridor = 20 feet or less
   - Exit Access Travel Distance with sprinkler system = 250 feet or less

CHAPTER 5 GENERAL BUILDING HEIGHT AND AREA

Occupancy - Chapter 3, Section 305 - Educational Group E. Also refer to Section 468 - Schools, Colleges and Universities.
Type IIB Construction - Sprinklered
504.3 - Height in Feet (Table 504.3)
Allowed: 75'
Designed: 42'-6"
504.4 - Number of Stories (Table 504.4)
Allowed: 3 stories
Designed: 1 story
506.2 - Allowable Area (Table 506.2)
Allowed: 58,000 sf
Designed: 31,285 sf

NS = 14,500 sf
S1 = 58,000
Single occ, one story
Aa=At+(NSxIf)
Aa=58,000+(14,500x0.75)
Aa=68,675

CHAPTER 10 MEANS OF EGRESS

Seating Capacity: 752 Seats = 752 Regular Bleacher (Includes 8 Handicap Seats)
Minimum of 8 Handicap Seats - 2023 Florida Accessibility Code, Table 221.2.1.1 Seating Capacity
Occupancy - Chapter 3, Section 305 - Educational Group E with Assembly Group A-4

Occupant Load: Section 453.18.1.2- Gymnasium:
Bleacher (Fixed) Seating: 752 people
Main Court/15 net: 4,200 square feet/15 = 280 people
(or) Table/Chair Layout: 368 Seats
Gymnasium Occupancy: 1,120 people
Stage: 1,694 SF / 15 net = 67 people
Educational-Classrooms: 5,196 SF / 20 net = 260 people
Educational-Other Areas: 794 SF / 50 net = 16 people
Administration: 2,787 SF / 150 gross = 19 people
Kitchen: 319 SF / 200 gross = 2 people
Accessory/Storage: 2,801 square feet/300 = 10 people

Total Number of Occupants : 1,495 people

Egress Width (1005.3.2)
Egress = 0.2" per occupant

Total Egress Required: 1,495 occupants x 0.2 = 299" min.
Total Egress Provided: 786" provided.

See structural drawings for minimum superimposed design load requirement per Florida Building Code

Provide product approvals for the exterior envelope including but not limited to:
Windows
Exterior Doors
Roofing Systems
Metal Wall Panels
Structural Components
Roof Vent Hatch

CHAPTER 29 PLUMBING FIXTURES

Plumbing Fixture Counts (Table 2902.1) 2023 FBC
Assembly - 1,197 persons
Educational - 298 persons
Total - 1,495 persons

Water Closets	
Assembly - 1/125 men 1/65 women	(2 men, 9 women) (3 urinals)
Educational - 1/50 persons	(2 men, 4 women) (2 urinals)
Lavatories	
Assembly - 1/200 persons	(4 men, 4 women)
Educational - 1/50 persons	(3 men, 3 women)
Bathtubs & Showers	
Assembly - Not required	(not provided)
Educational - Not required	(not provided)
Drinking Fountains	
Assembly - 1/500 persons	(2 provided)
Education - 1/100 persons	(2 provided)
Service Sink	
Assembly - 1 required	(1 provided)
Educational - 1 required	(1 provided)

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PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

LIFE SAFETY PLAN

PROJECT NUMBER 22019
DATED 01/31/2025

LS101

A1 LIFE SAFETY PLAN
SCALE: 1/8" = 1'-0"

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Florida Building Code:
CHAPTER 1
ADMINISTRATION
A. Applicable Building Codes

Florida Building Code (FBC), Eighth Edition (2023)
Florida Accessibility Code, Eighth Edition (2023)
Florida Plumbing Code, Eighth Edition (2023)
Florida Mechanical Code, Eighth Edition (2023)
Florida Fuel Gas Code, Eighth Edition (2023)
Florida Energy Code (FEC), Eighth Edition (2023)
National Electrical Code, NFPA 70, 2021 Edition
Florida Fire Prevention Code, Eighth Edition (2023)
NFPA 101 (2021)

CHAPTER 2
DEFINITIONS - Not Listed

CHAPTER 3
USE AND OCCUPANCY CLASSIFICATION
A. Classification
a. Group E - Educational (Section 305)
1. Public education occupancies shall comply with 453
b. Group A-4 - Assembly with spectator seating for viewing sporting events.

CHAPTER 4
SPECIAL DETAILED REQUIREMENTS BASED ON USE AND OCCUPANCY

A. Stages, Platforms, and Technical Production Areas (410)
a. Stage construction - constructed of materials as required of construction of the building.
b. Stage Height and Area (410.3.1.1) -
1. Area measurement shall include entire performance area and adjacent backstage and support areas not separated from the performance area by fire-resistance-rated construction.
a. STAGE AREA = 1,984 SF
2. Height shall be measured from the lowest point on the stage floor to the highest point on of the roof or floor deck above the stage.
a. STAGE HEIGHT = 39'-2"
c. Technical production area (410.3.2) shall be constructed of approved materials consistent with requirements of the type of construction
1. A fire-resistant rating shall not be required.
2. These areas shall not be considered floors, stories, mezzanines or levels in applying this code.
d. Exterior Stage Doors (410.3.3)
1. Where protection of openings is required, exterior exit doors shall be protected with fire code assemblies complying with 716.
2. Exterior openings located on the stage that are likely to be open during occupancy of the theater shall be constructed with vestibules to prevent air drafts into the auditorium.
e. Proscenium wall (410.3.4) - 2 HR fire resistance rating when stage height > 50': n/a
f. Stage Ventilation (410.3.7) - Stages > 1000 SF require emergency ventilation
1. Two or more roof vents with clear area equal to 5% of the stage area and constructed to open automatically by approved heat-activated devices and with supplemental manual operation OR
2. Smoke control in accordance with Section 909 to maintain the smoke layer interface not less than 6' above the highest level of assembly seating.
g. Dressing and Appurtenant Rooms (410.5)
1. Separation from stage - the stage shall be separated from dressing rooms, property rooms, storerooms, and compartments appurtenant to the stage by fire barriers in accordance with 707 with a minimum fire-resistance rating of 1 HOUR.
2. Separation from each other - Dressing rooms, scene docks, property rooms, workshops, storerooms, and compartments appurtenant to the stage shall be separated from each other by a 1 HOUR fire barrier.
3. Stage exits - at least one approved means of egress from each side of the stage.
4. Automatic Sprinkler System required at stage and accessory areas.
5. Standpipe systems per 905 are required.
h. Means of Egress (410.6): EXCEPT as modified or provided for here, Chapter 10 applies
1. Where two or more exits are required, at least one provided on each side of the stage
2. Exit access stairways and ramps serving a stage are note required to be enclosed
3. Exit access stairways serving technical production areas are not required to be enclosed
4. Min. one means egress from technical production areas
a. length of exit access travel < 400' when sprinklered
b. when two are required, the common path or travel < 100'
1. a means of escape to the roof is permitted for as the second means in technical production areas.
c. min. width = 22"
i. Automatic Sprinkler Systems required at stage.
I. Standpipes provided per 905
B. State Requirements for Educational Facilities (Section 453)
a. Definitions (453.5)
1. Assembly: gathering of 50 or more. Includes adjacent and related spaces to the main seating area (stages, lobbies, dressing rooms, etc.)
2. Auxiliary Facility: support spaces at educational facilities which do not contain student stations but are used by students.
b. Life Safety (453.7)
1. Separate exits: in assembly occupancies, each required exit must exit into a separate atmosphere or to the exterior to be considered as a separate exit.
c. Construction Type (453.8.3.1) minimum shall be noncombustible type I, II or IV or better.
d. Natural Light and Ventilation (453.13.8.1) windows and operable glazing in new construction to provide net free open area = 5% of the floor area in all classrooms on the perimeter of building. Auxiliary spaces...need not have operable window for the purpose of providing natural light and ventilation.
e. Plumbing (453.16)
1. Educational and ancillary facilities shall have fixtures for all occupants, in ratios and accessible as required by the FBC
a. Unisex toilets shall not be provided in addition to group toilets in assembly occupancies.
2. Toilet facilities for assembly occupancies are NOT required to be in addition to the overall required plumbing fixture count.
3. Student toilets shall be distributed throughout the facility...the path of travel to the nearest toilet facility shall not exceed 200'
4. all group toilet rooms shall be provided with at least one floor drain and one easily accessible hose bibb. the floor shall be sloped down to the drain.
e. Assembly Occupancies in Public Educational Facilities (453.18)
1. Occupant capacity for egress per table 1004.5
a. Dressing rooms: 20 Net per person .
f. Storage (453.20)
1. Sinks located in general storage rooms shall not be used for custodial services.
2. Custodial closets shall be provided with storage shelving and a service sink supplied with hot and cold water...and shall be located to serve other areas such as...stages, auditoriums.

CHAPTER 5 GENERAL HEIGHTS & AREAS
A. Building Data
a. Floor Area Educational: **19,175 gsf**
b. Story(s)1 Story
c. Height: ±42'-0"
B. Allowable Heights and Building Areas (Table 504.3 & 504.4)
a. Type II
b. Fire Resistant Rating - "B"
c. Building Height Limit = 75' (sprinklered)
d. Maximum Stories = 3 (sprinklered)
e. Maximum Area per Floor = 58,000 s.f.
C. Height Modifications (Section 504)
a. Not Used
D. Mezzanines and Equipment Platforms (Section 505)
a. Mezzanines
1. when complying with 505.2 are part of the story below and shall not contribute to the building area or number of stories regulated by 503.1
2. the mezzanine shall be included in determining the fire area.
3. mezzanine + equipment platform in a room < ⅔ floor space they are located in (505.2.1)
4. means of egress per chapter 10
5. Mezzanines shall be open to the area they are in EXCEPT (Section 505.2.3)
a. when occupant load of mezzanine < 10
b. mezzanine has min. 2 means of egress and one provides direct access to an exit.
c. the enclosed area < 10% of total mezzanine area
d. when < 2 stories above grade and equipped with and automatic sprinkler and mezzanine has min. 2 means of egress.
b. Equipment Platforms (Section 505.3)
1. not considered a portion of the floor below
2. shall not contribute to the building area of the number of stories regulated by 503.1
3. shall not be included in determining fire area per 903
4. shall not be a part of any mezzanine and such platforms and the walkways, stairs, and ladders providing access to an equipment shall not serve as a part of the means of egress from the building.
5. aggregate area of equipment platform and mezzanine < ⅔ of room where located
6. where building is required to be sprinklered, platforms shall be fully protected above and below.
E. Section 508 Mixed Use and Occupancy
a. per 303.1.3 Assembly associated with Group E is not considered a separate occupancy.
b. Accessory occupancy (S-1) ancillary to main occupancy
1. <=10% of the building area (934sf = <10% of 19,175)
2. individually classified and code shall apply to each portion
3. no separation required.

CHAPTER 6 TYPES OF CONSTRUCTION
A. Construction Classification
a. Type II B (Section 602.2)
1. Fire Resistant Rating Requirements (hours) For Building Elements (Table 601)
a. Structural Frame - columns, girders, trusses = 0 hours
b. Bearing Walls - Exterior = 0 hours
c. Bearing Walls - Interior = 0 hours
d. Non-bearing walls and partitions - Exterior = See Table 601
1. <5 = 1
2. >=5 to <10 = 1
3. >=10 to <30 = 0
4. >=30 = 0
e. Non-bearing walls and partitions - Interior = 0 hours
f. Floor Construction - beams, joist = 0 (d.i) hours
1. (d) = not applicable
2. (i) = not applicable
g. Roof Construction - beams, joist = 0 hours

CHAPTER 7 FIRE-RESISTANT RATED CONSTRUCTION
A. 705: Exterior Walls
a. 705.3 Buildings on the Same Lot
1. for determining required wall and opening protection and roof-covering requirements, buildings on the same lot shall have an imaginary line between them.
2. When a new building is on the same lot as an existing building, the imaginary line with relation to the existing building shall be such that the exterior wall and opening protection of the existing building meet 705.5 and 705.8.
b. 705.5 Fire-resistance rating
1. Exterior wall shall be rated per 601 and 705.5
2. exterior walls with >10' fire separation distance shall be rated for exposure from inside
c. 705.8 Openings: Maximum are of exterior wall openings based on separation distance
0-<3':NOT PERMITTED
3-<5': 15% (sprinklered or protected)
5-<10':25% (sprinklered or protected)
10-<15': 45% (sprinklered or protected)
15'<20': 75% (sprinklered or protected)
20' or >: No Limit
1. the Max area of unprotected and protected openings permitted in an exterior wall in any story of a building shall not exceed percentages per 705.8
a. EXCEPT: #2 Buildings whose exterior bearing walls..etc are not required to be fire-rated shall be permitted to have unlimited unprotected openings.
d. 705.11 Parapets: parapets shall be provided on exterior walls EXCEPT where any of the following conditions exist...#1 the wall is not required to be fire-resistant rated per table 602 because of fire separation distance & #6 Where the wall is permitted to have at least 25% of the exterior wall areas of unprotected openings based on fire separation distance per 705.8
B. 707 Fire Barriers: fire resistance rating shall be:
a. Interior Exit stairway and Ramp construction: comply with 1022.1 = **1HR**
b. Exit passageway: separating building areas from exit passageway comply with 1023.3 = **1HR**
b. Horizontal Exit: separating building areas from horizontal exit comply with 1025.1 = 2HR
C. 708 Fire Partitions: corridor walls as required by 1018.1 shall comply
a. a fire resistance rating not less than 1 hour Except in group E when sprinklered.
D. 709 Smoke Barriers: a 1 hour fire-resistance rating is required for smoke barriers and must be continuous from wall to wall and floor to roof deck.
E. 710 Smoke Partitions: Not required to be fire rated and must be continuous from wall to wall and floor to roof deck OR a ceiling membrane constructed to limit the transfer of smoke

CHAPTER 8 INTERIOR FINISHES
A. Interior Wall and Ceiling Finish Requirements (Table 803.11 SPRINKLERED)
a. Group A-4
1. Exit enclosures and exit passageways = B
2. Corridors = B
3. Rooms and enclosed spaces = C
a. Group E
1. Exit enclosures and exit passageways = B
2. Corridors = C
3. Rooms and enclosed spaces = C

CHAPTER 9 FIRE PROTECTION SYSTEMS
A. Automatic Sprinkler System (Section 903)
a. Group E required where (Section 903.2.3)
1. Fire area exceeds 12,000 s.f.
2. REQUIRED
b. Group A-4 required where (Section 903.2.1.4)
1. Fire area exceeds 12,000 s.f.
2. Fire area has occupant load of 300 or more
3. REQUIRED
B. Standpipe Systems (Section 905)
a. Stages (905.3.4) > 1,000 sf. & sprinklered = Class III wet standpipe system with 1½" hose connections on each side of stage.
1. 1½" hose connection equipped with sufficient lengths of hose to provide fire protection for the stage area. Shall be equipped with approved adjustable fog nozzle and be mounted in a cabinet or on a track.
C. Fire Alarm and Detection Systems (Section 907)
a. Required

CHAPTER 10 MEANS OF EGRESS
A. Occupant Load (Table 1004.1.1) = **1174 TOTAL CALCULATION**
a. Educational Areas:
1. Stage 1,984 sf @15nsf = 132 persons
b. Assembly Areas:
1. General Assembly (752 seating & 283 court) = 1,035 persons
c. Business (Concessions) 407 sf @150nsf = 3 persons
Accessory space to Concessions 934 sf @ 300nsf = 4 persons
d. Storage & Mechanical Areas = 1/300 gross = 3229 gsf = 11 persons **(does not count)**
e. See Life Safety plans for identified areas
f. Every Assembly room shall have the occupant load or the room posted near the main exit.
B. Egress Width (1005.1)
a. Other Egress = 0.2" per occupant (1174 person load = 235" Total Egress Width Required)
b. Where multiple exits, they shall be sized such that the loss of one shall not reduce capacity to less than 50% of required capacity.
c. Door encroachment - doors when fully open,shall not reduce the required width by more than 7".
1. Doors in any position shall not reduce the required width by more than 1/2.
C. Panic and fire exit Hardware (1008.1.10)
a. Doors serving rooms or spaces with an occupant load of 50 or more in group A or E shall not be provided with a lock or latch unless it is panic hardware or fire exit hardware.
D. Egress through intervening spaces (1016.2)
a. an exit access shall not pass through a room that can be locked.
D. Common Path of Egress Travel (Section 1016.2.1)
a. That portion of exit access which the occupants are required to traverse before two separate and distinct paths of egress travel to two exits are available. Paths that merge are common paths of travel. Common paths of egress travel shall be included within the permitted travel distance.
1. Group A within E = see 1017.2 =
2. Group E= 75' maximum
E. Exit and Exit Access Doorways (1006)
a. (1006.2.1) Two exits or exit access doorways from any space shall be provided where one of the following conditions exists:
1. Occupant load of the space exceeds values in Table 1006.2.1 (E >49 persons)
2. The common path of egress travel exceeds the limitations of Section 1006.2.1
b. (1006.2.1.1) Three exits for occupancy of 501-1000; **FOUR exits** or exit access doorways shall be provided from any space with an occupant load >1,000.
F. Exit Access Travel Distance (Table 1017) per floor
a. Occupancy Group E w/sprinkler = **250 feet**
b. Occupancy Group A w/sprinkler = **250 feet**
G. Aisles (1018): when serving as portion of exit access shall be provided from all occupied portions of the exit access which contain seats and shall comply with Section 1028.
H. Corridor Fire Resistant Rating (Table 1020.2): walls shall comply with 709-fire partitions
a. No Corridor Rating Required in Group E when:
1. Instructional rooms have door opening directly to exterior
2. Assembly rooms have at least ½ of required means of egress doors opening directly to exterior at ground level.
b. Occupancy Group E,A corridor serving >30 = 0 HR when sprinklered
1. when protected with supervised automatic sprinkler, corridor wall not rated BUT form SMOKE PARTITIONS per Florida Fire Prevention Code.
I. Corridor Width: per 1005, but not less than 44"
a. **72"** in Group E with corridor capacity >100.
J. Dead Ends (Section 1020.5)
a. **50 Feet Group E**; 50' Group A (when sprinklered)
K. Minimum Number of Exits for Occupant load (1006.3.2)
a. Occupant Load 1-500 persons = 2 exits
b. Occupant Load 501-1,000 persons = 3 exits
c. Occupant Load >1,000 = 4 exits
L. Assembly (1029.2)
a. Every assembly occupancy greater than 300 occupants shall be provided with a main entrance/exit with a min. aggregate width for Group A sufficient to accommodate 50% of the occupant load and be at the level of exit discharge.
b. Every level shall have access to main exit; and additional exits that accommodate ½ total load
c. Clear width of aisles and other means of egress when not smoke protected shall provide capacity in accordance with:
1. Ramped; where slopes are steeper than 1 vertical in 12 horizontal shall have at least .22" clear width for each occupant served.
2. Level or where slopes < ½ shall have clear width .20" per occupant served. 220(.2) = 44" min.
d. Travel Distance (1017.2): exits and aisles located so travel distance to exit door <250' along line of travel when sprinklered. Does not include travel over or on seats.
e. Common Path of egress travel (1029.8.1 & 1029.9.5)
1. 30' from any seat to a point where there is a choice of two paths
2. 75' from any point where serving <50 persons
3. Where one path is across the aisle through a row of seats to another aisle, no more than 24 seats between aisles.
a. minimum clear width between rows = 12"+.6" for each seat above 7.
f. Assembly aisles required (1029.9.1): every occupied area containing seats shall have aisles leading to exits as follows:
1. Min. clear width for seating not at tables:
a. 42" at level or ramped aisles with seats both sides
b. 36" at level or ramped aisles with seats on one side
g. Clear width of aisles accessory serving seating in rows (1029.13.2.)
1. rows with <= 14 seats = 12" clear
2. dual access rows with > 14 seats = 12" + .3" for each additional seat over 14 (18 seats = 13.2" clear)

CHAPTER 11 Accessibility (from FBC-Accessibility)
A. 213.2 Plumbing Fixtures and Accessories:
a. Toilet compartments: where provided:
1. One complying with 604.8.1
2. + One min. complying with 604.8.2 where six or more compartments are provided.
b. Water Closets: One min. complying with 604
c. Urinals: One min. complying with 605
d. Lavatories: One min. complying with 606 NOT in a toilet compartment
e. Mirrors: One min. complying with 603.3

CHAPTER 12 INTERIOR ENVIRONMENT - Not Listed
CHAPTER 13 ENERGY EFFICIENCY - See Mechanical
CHAPTER 16 STRUCTURAL - See Structural

CHAPTER 29 PLUMBING FIXTURES
A. Plumbing Fixture Counts (Table 403.1) 2023 FBC, Plumbing
a. per 453.16 - Assembly associated with Group E - Toilet facilities for assembly occupancies are NOT required to be in addition to the overall required plumbing fixture count.

B. A-4 Assembly Occupancy - 1174 person count as calculated above (total count)

		Required	/	Provided
1.	Water Closets/Urinals - 1/125 men	5	/	2 WC/3 UR
2.	Water Closets - 1/65 Women	9	/	9
3.	Lavatories - 1/200	3 men, 3 women	/	4 men, 4 women
4.	Bathtubs & Showers	(= 0 minimum)		0
5.	Drinking Fountains - 1/500	(= 2 minimum)		2
6.	Service Sink	(= 1 minimum)		1

DAG ARCHITECTS
DAG Architects AR0009694
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850.387.1671
www.DAGarchitects.com

100% CONSTRUCTION DOCUMENTS

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	UPDATED CODE SEARCH	2/6/2026

CODE SUMMARY

PROJECT NUMBER 22019
DATED 01/31/2025

LS102

A1 CODE ANALYSIS
SCALE: 1/8" = 1'-0" .

PLOT DATE: 3/27/2026 11:00:48 AM
DWG. LOCATION: G:\PC Harrison\Projects\3022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2Working\Docs\...LS101 First Floor Life Safety Plan.dwg
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PLOT DATE: 3/27/2026 10:36:08 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic\Design\B2Working\Docs\ A100.A Site Plan.DWG
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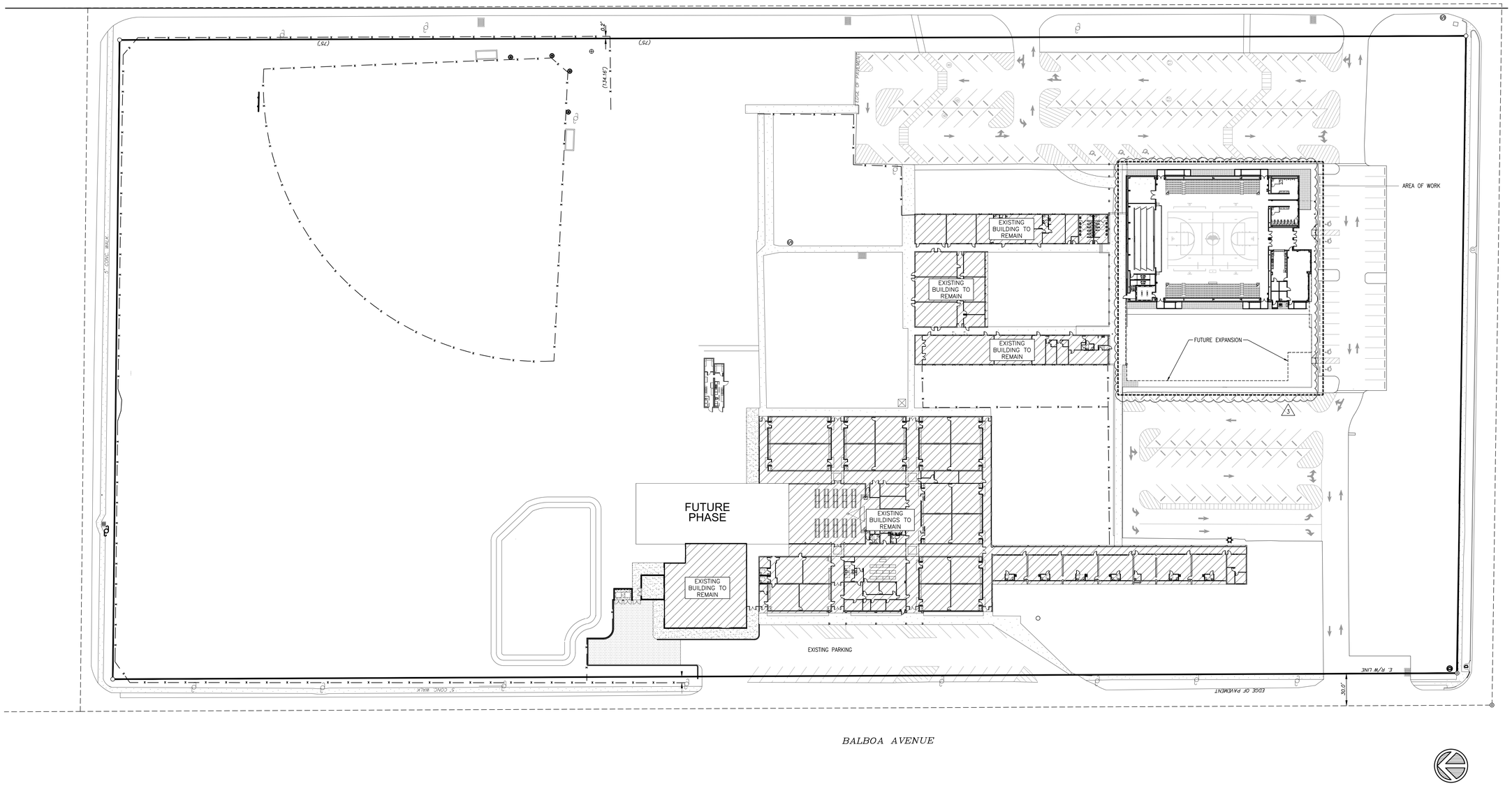
22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



A1	SITE PLAN
SCALE: 1" = 40'-0"	

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

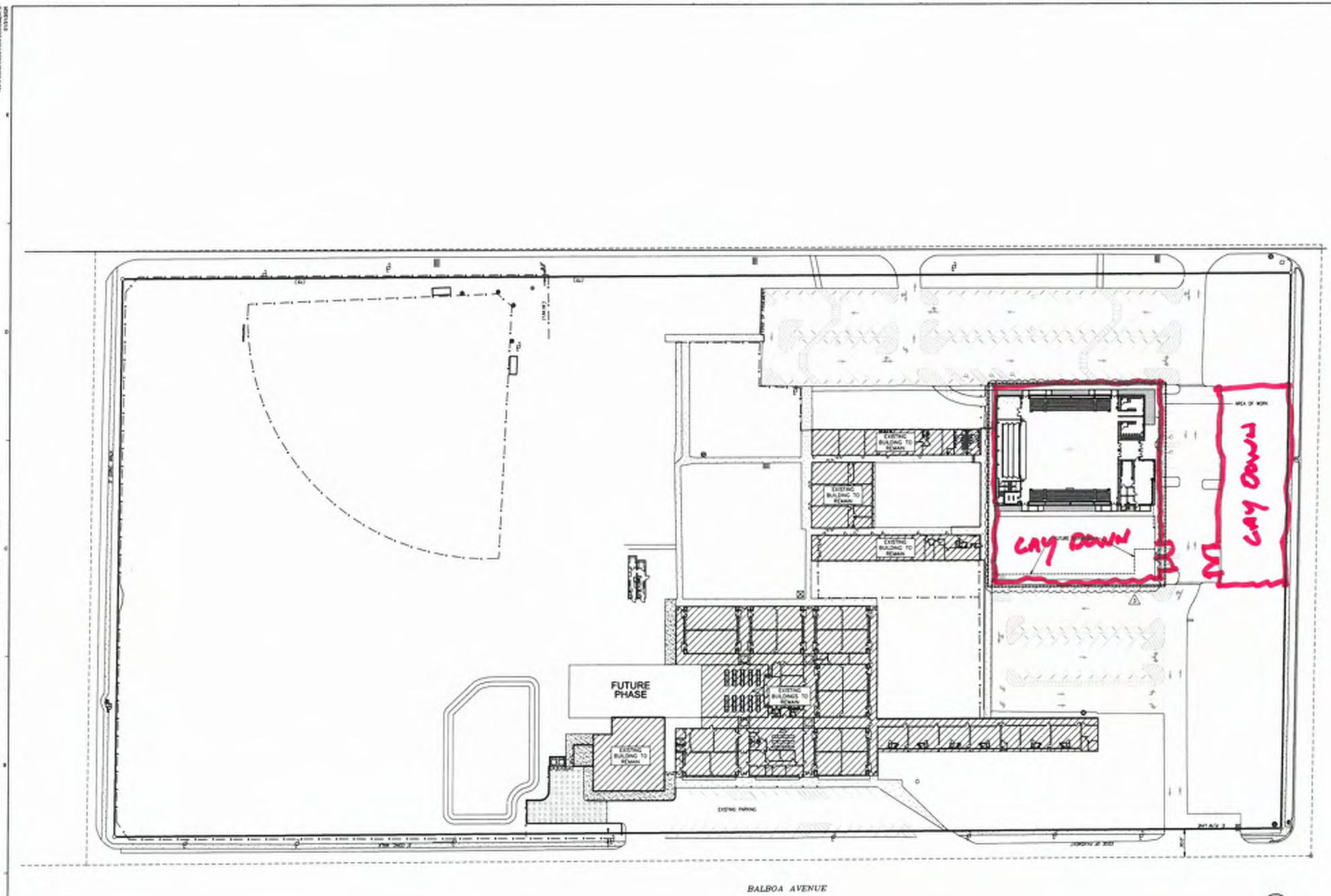
REVISIONS:

No.	Description	Date
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
SITE PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A100.A



A1 SITE PLAN
SCALE: 1" = 40'-0"

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

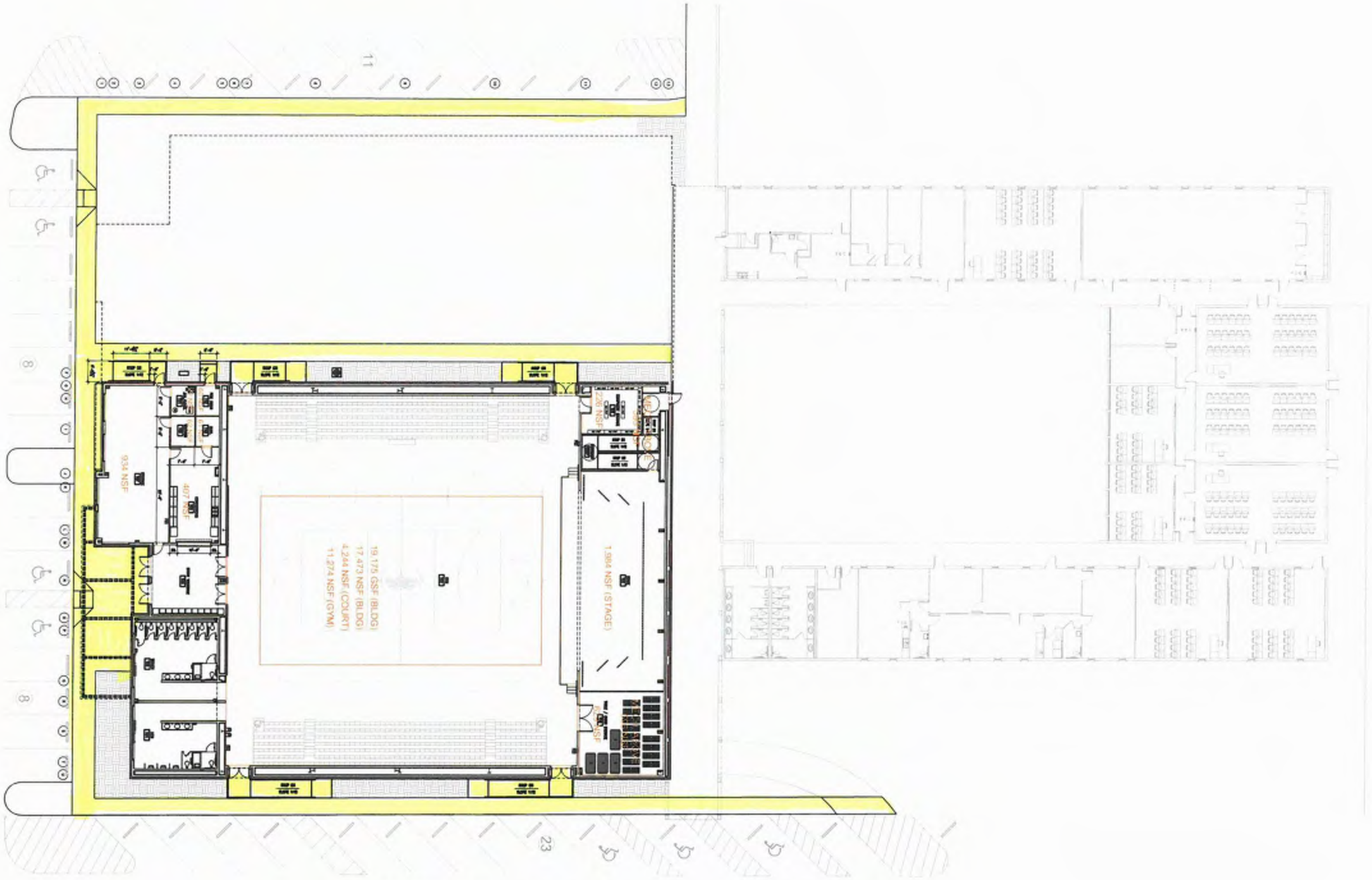
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:		
No.	Description	Date
1	ADDENDUM NO. 1	3/27/25

ALTERNATE SITE PLAN

PROJECT NUMBER 22019
DATED 01/31/2025

A100.A



Partial Site Plan Indicating Extent / Location of Sidewalks (Highlighted in Yellow)

22019
PROJECT STATUS
Issue Date

BLOCK BUILDING
FFE = 31.59

AWNING

ELECTRIC
TRANSFORMER PAD

4' CHAIN LINK FENCE
(AC UNITS BEHIND FENCE)

BLOCK BUILDING

SIGN
(NO PARKING)

SIGN
(NO PARKING)

BUILDING AND
COVERED HALLWAY

PLAYGROUND AREA

4' CHAIN LINK FENCE

30" YARD
DRAIN

SEWER MANHOLE
RIM=29.79'
INV.8"TER.(N)=28.35'
INV.3"C.I.(S)=28.42'
INV.3"C.I.(S)=28.41'

E.T.P.

EXISTING SIGN TO BE
REMOVED

16' OF EXISTING VCP SEWER PIPE
TO BE REMOVED AND REPLACED

EXISTING 2" SEWER FORCEMAIN TO BE GROUT
FILLED AND ABANDONED IN PLACE

ASPHALT PARKING

BEGIN SINGLE ROW
OF SILT FENCE

COVERED WALK

END 2" WATER MAIN
REMOVAL AT EDGE OF
SIDEWALK CAP
EXISTING WATER MAIN
TO REMAIN

WATER SPIGOT TO BE REMOVED
AND SUPPLY LINE TO BE CAPPED

END SINGLE ROW
OF SILT FENCE

END 2" FORCE MAIN
REMOVAL AT EDGE OF
SIDEWALK. CAP EXISTING
FORCE MAIN TO REMAIN

EXISTING 2" GRAVITY SEWER
TO BE REMOVED

EXISTING SANITARY SEWER
CLEANOUT TO BE REMOVED

EXISTING LIFT STATION TO BE
REMOVED

EXISTING CONCRETE
TO BE REMOVED

SAW CUT AND REMOVE
EXISTING CONCRETE

EXISTING 2" WATER MAIN TO BE REMOVED.
ACTUAL LOCATION OF WATER MAIN UNKNOWN.
CONTRACTOR TO FIELD LOCATE PRIOR TO START
OF DEMOLITION.

EXISTING SIGN TO BE
REMOVED

ASPHALT PARKING

ASPHALT DRIVE

6" WIDE WOOD
RETAINING WALL

CONCRETE PARKING

EXISTING CONCRETE TO BE REMOVED

SAW CUT AND REMOVE
EXISTING ASPHALT

CATCH BASIN
TOP=25.39'
INV.18"RCP(S)=21.89'

EXISTING CATCH BASIN TO BE
REMOVED
TOP = 25.39'
INV. 18"RCP(S)=21.89'

20' OF EXISTING 18" RCP TO BE
REMOVED

CATCH BASIN
TOP=25.22'
INV.30"CPP(E)=18.50'
INV.30"CPP(W)=18.34'

CATCH BASIN
TOP=25.71'
INV.30"CPP(E)=19.11'
INV.30"CPP(W)=19.09'

CATCH BASIN
TOP=23.73'
INV.18"RCP(N)=19.84'
INV.30"CPP(E)=19.49'
INV.30"CPP(W)=19.54'

CATCH BASIN
TOP=23.73'
INV.24"RCP(S)=19.49'
INV.18"RCP(E)=20.23'
INV.30"CPP(W)=19.72'

PALM
TREES

EXISTING SIGN AND PALM TREES
TO REMAIN AND BE PROTECTED
IN PLACE

SIGN
(PALM BAY)

STORM MANHOLE
RIM=26.95'
INV.18"RCP(N)=21.60'
INV.18"RCP(W)=21.34'

NOTE:
LOWER TOP OF EXISTING MANHOLE
BY 12" AND REPLACE SOLID COVER
WITH STORMWATER GRATE

FIBER OPTIC MARKER

GAS LINE MARKER

CONCRETE WALK

STORM MANHOLE
RIM=24.05'
INV.30"CPP(E)=16.65'
INV.30"CPP(S)=16.60'

W 11TH ST

BEGIN 2" WATER MAIN REMOVAL
AT OUTLET SIDE OF METER BOX

STORM MANHOLE
RIM=24.40'
INV.24"RCP(N)=18.83'
INV.24"RCP(W)=19.95'
INV.18"RCP(S)=20.00'

EXISTING WATER METER TO

WOOD AVE.

INV.6"PVC=27.84'
M.E.S.
INV.6"PVC=27.87'
M.E.S.
INV.6"PVC=27.94'
INV.6"PVC=27.89'
INV.6"PVC=26.56'
M.E.S.
INV.6"PVC=26.43'
M.E.S.
INV.6"PVC=26.40'
INV.6"PVC=26.36'

0' 10' 20' 40'
SCALE: 1" = 20'

SCALE: 1" = 20'

SYMBOLS & ABBREVIATIONS:

- # = NUMBER
- L.B. = LICENSED BUSINESS
- P.S.M. = PROFESSIONAL SURVEYOR AND MAPPER
- INV. = INVERT
- PVC = POLYVINYL CHLORIDE
- C.P.P. = CORRUGATED PLASTIC PIPE
- R.C.P. = REINFORCED CONCRETE PIPE
- TER = TERRACOTTA CLAY
- M.E.S. = MITERED END SECTION
- = SANITARY SEWER MANHOLE
- = STORM SEWER MANHOLE
- = FLAG POLE
- = ELECTRIC BOX
- = TELEPHONE BOX
- = LAMP POLE
- = TRAFFIC SIGN
- = WATER VALVE
- = WATER METER
- = SANITARY SEWER VALVE
- = CLEANOUT
- = MAILBOX
- = TEMPORARY BENCHMARK
- = GUY ANCHOR
- = UTILITY POLE
- = YARD LIGHT
- = EXISTING PALM TREE (DIAMETER SHOWN IN INCHES)
- = EXISTING TREE, TYPE UNKNOWN (DIAMETER SHOWN IN INCHES)
- 10' = CONTOUR ELEVATION AT 1' INTERVALS
- OHU = OVERHEAD UTILITY LINE
- 10.38 = SPOT ELEVATION AT "X"
- = EXISTING CONCRETE TO REMAIN
- = EXISTING CONCRETE TO BE REMOVED
- = EXISTING ASPHALT TO REMAIN
- = EXISTING ASPHALT TO BE REMOVED
- = SILT FENCE

NOTES:
1. CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT TREES.
2. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO THE START OF DEMOLITION.
3. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY UPON IDENTIFICATION OF UNKNOWN UNDERGROUND UTILITIES.
4. CONTRACTOR SHALL PROVIDE EROSION CONTROL FOR ALL EXISTING DRAINAGE STRUCTURES TO REMAIN UNLESS NOTED OTHERWISE.
5. CONTRACTOR SHALL TAKE DUE CARE WHEN INSTALLING SILT FENCE AROUND EXISTING UNDERGROUND UTILITIES.
6. CONTRACTOR MAY ADJUST SILT FENCE LOCATIONS WITHIN INDICATED LIMITS OF CONSTRUCTION AS NEEDED TO PERFORM WORK.

EROSION CONTROL NOTES:

1. EROSION CONTROL MEASURES WILL BE UTILIZED THROUGHOUT THE CONSTRUCTION PHASE OF THIS PROJECT TO RESTRICT ANY TURBID RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
2. CONTROL OF SEDIMENT-LADEN RUNOFF SHALL BE PROVIDED WITH HAY BALES AND/OR GEOTECH STYLE FABRICS. ALL CONTROL MEASURES SHALL BE PROPERLY LOCATED AND CONSTRUCTED TO PREVENT SEDIMENT TRANSPORT. THE MEANS FOR RETAINING THE SEDIMENTS WILL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT IMPROVEMENTS ARE COMPLETE.
3. THE CONTRACTOR IS RESPONSIBLE FOR TREATING ALL ONSITE STORMWATER DRAINAGE AS REQUIRED TO MEET THE CRITERIA OF 62-3 FLORIDA ADMINISTRATIVE CODE, F.A.C. PRIOR TO DISCHARGE.
4. ALL CATCH BASINS, INLETS AND ACCESSES TO UNDERGROUND STORMWATER SYSTEMS SHALL BE PROTECTED IN ACCORDANCE WITH THE ATTACHED DETAILS.
5. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH THE TERMS AND CONDITIONS OF ANY STORMWATER PERMITS THAT MAY APPLY (FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, FLORIDA DEPARTMENT OF TRANSPORTATION, BAY COUNTY, WATER MANAGEMENT DISTRICT, ETC.).

SURVEY PREPARED BY:
DEWBERRY ENGINEERS INC.
203 ABERDEEN PARKWAY
PANAMA CITY, FLORIDA 32405

SOURCE CONTROL POINTS:

Description	Northing	Easting	Elev. (NAVD 19
FOUND CONCRETE MONUMENT ANDREW RESET (NOT GRAPHICALLY SHOWN)	427795.46	1591835.70	36.02

SITE BENCHMARKS:

1. SET NAIL & DISK IN LIGHT POLE L.B. 8011 – ELEVATION = 37.47'
2. SET NAIL & DISK IN ASPHALT L.B. 8011 – ELEVATION = 30.91'

PANHANDLE ENGINEERING, INC.
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600 Ohio Avenue Lynn Haven, Florida 32444
(850)763-5200 Fax (850)763-5200 www.panhandleengineering.com

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(FOR REVIEW AND FINAL COORDINATION)

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

LANSING D. CROOK JR. LICENSE NO. 66556 STATE OF FLORIDA PROFESSIONAL SURVEYOR AND MAPPER

J. Doug Crook
2025.01.23
14:17:45-06'00'

This item has been digitally signed and sealed by J. Doug Crook, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

REVISIONS:

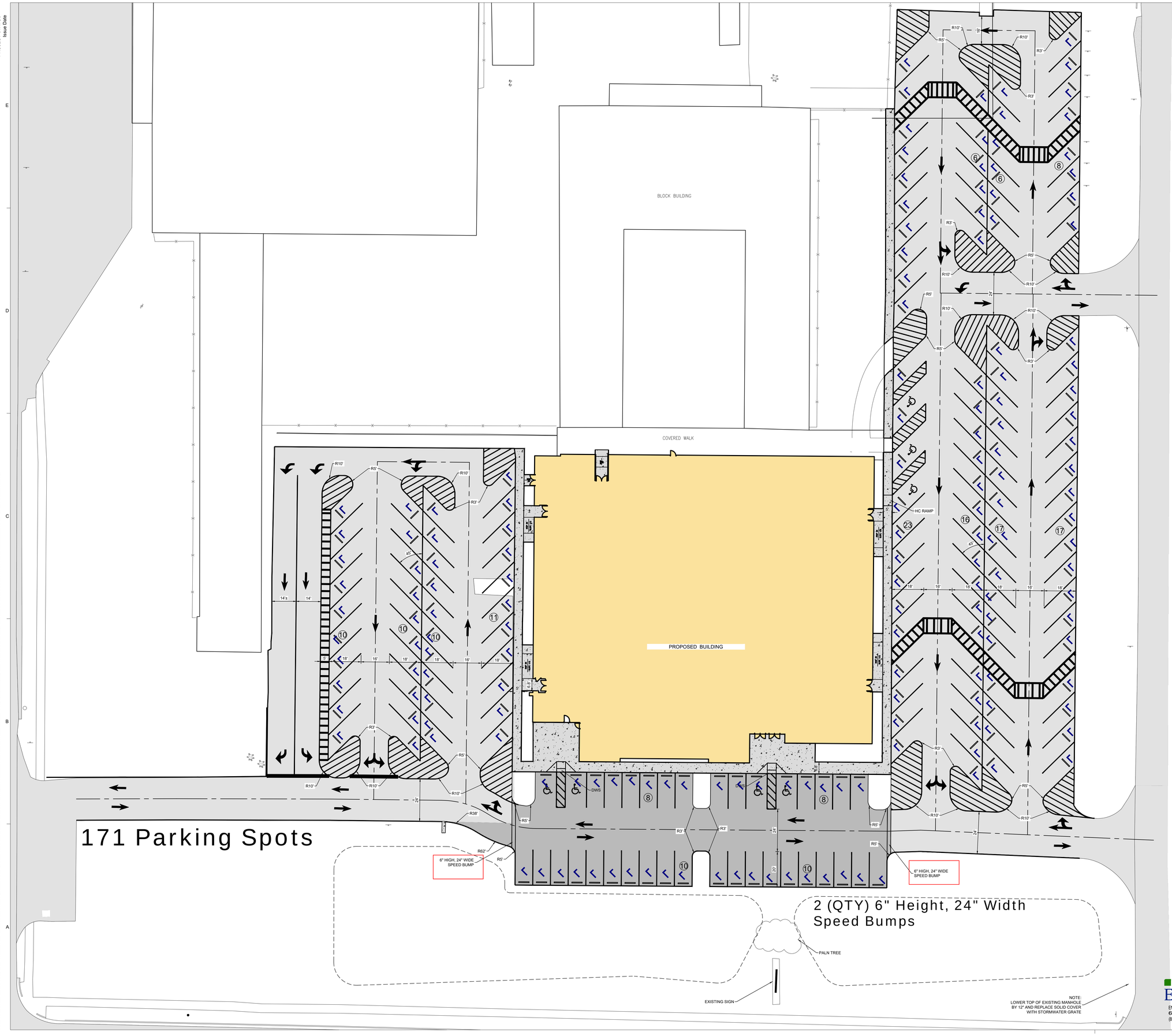
No.	Description	Date

EROSION CONTROL & DEMOLITION PLAN

Project Number	133407
Dated	01/31/2025
Drawn By	JNF
Approved By	JDC
PM	JDC

C1

22019
PROJECT STATUS
Issue Date



SITE NOTES:

1. ABOVE GROUND STRUCTURES ARE SHOWN ON THIS SHEET.
2. ALL TRAFFIC STRIPING TO BE PAINT PER FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
3. CONTRACTOR TO FIELD VERIFY ALL UTILITIES AND NOTIFY ALL UTILITY COMPANIES 2 DAYS PRIOR TO CONSTRUCTION.
4. ALL DEMOLISHED MATERIALS (i.e. SIGNS, CONCRETE, ASPHALT, ETC.) TO BE REMOVED AND DISPOSED OF IN LEGAL MANNER.
5. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH CITY REQUIREMENTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS.
6. SEED AND MULCH ALL DISTURBED AREAS, EXCEPT WHERE SOD IS SPECIFIED.
7. SOD ALL AREAS AS SHOWN OR AS REQUIRED FOR EROSION CONTROL.
8. SOD AND SEED SHALL BE BERMUDA.
9. ALL REGULATORY SIGNS SHALL BE INSTALLED PER FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

LEGEND

- PROPOSED CONSTRUCTION
- EXISTING TO REMAIN
- SIGN
- HANDICAP PARKING
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE
- EXISTING CONCRETE
- DETECTABLE WARNING SURFACE (DWS)
- (10) PARKING COUNT IN ROW

NOTES:
1. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY UPON IDENTIFICATION OF CONFLICTS.

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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

SITE PLAN

Project Number	133407
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C2

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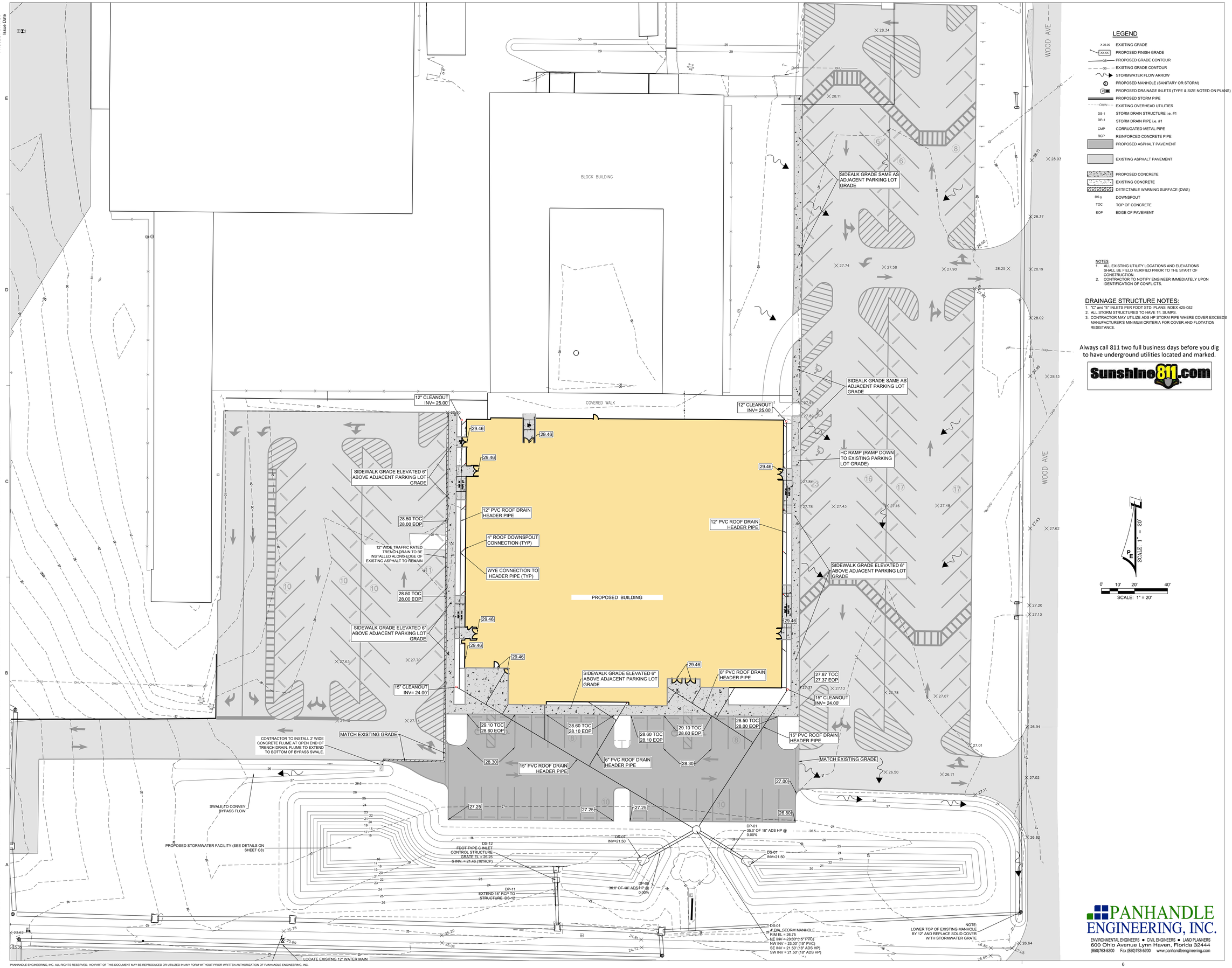
22019
PROJECT STATUS
Issue Date



LEGEND

X 36.00	EXISTING GRADE
XX.XX	PROPOSED FINISH GRADE
36	PROPOSED GRADE CONTOUR
36	EXISTING GRADE CONTOUR
	STORMWATER FLOW ARROW
	PROPOSED MANHOLE (SANITARY OR STORM)
	PROPOSED DRAINAGE INLETS (TYPE & SIZE NOTED ON PLANS)
	PROPOSED STORM PIPE
OHW	EXISTING OVERHEAD UTILITIES
DS-1	STORM DRAIN STRUCTURE i.e. #1
DP-1	STORM DRAIN PIPE i.e. #1
CMP	CORRUGATED METAL PIPE
RCP	REINFORCED CONCRETE PIPE
	PROPOSED ASPHALT PAVEMENT
	EXISTING ASPHALT PAVEMENT
	PROPOSED CONCRETE
	EXISTING CONCRETE
	DETECTABLE WARNING SURFACE (DWS)
DS ⌀	DOWNSPOUT
TOC	TOP OF CONCRETE
EOP	EDGE OF PAVEMENT

NOTES:
1. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY UPON IDENTIFICATION OF CONFLICTS.

DRAINAGE STRUCTURE NOTES:

1. "C" and "E" INLETS PER FDOT STD. PLANS INDEX 425-052
2. ALL STORM STRUCTURES TO HAVE 1ft. SUMPS.
3. CONTRACTOR MAY UTILIZE ADS HP STORM PIPE WHERE COVER EXCEEDS MANUFACTURER'S MINIMUM CRITERIA FOR COVER AND FLOTATION RESISTANCE.

Always call 811 two full business days before you dig to have underground utilities located and marked.

Sunshine811.com

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

GRADING AND DRAINAGE PLAN

Project Number	**133407**
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C3

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PROJECT STATUS
Issue Date

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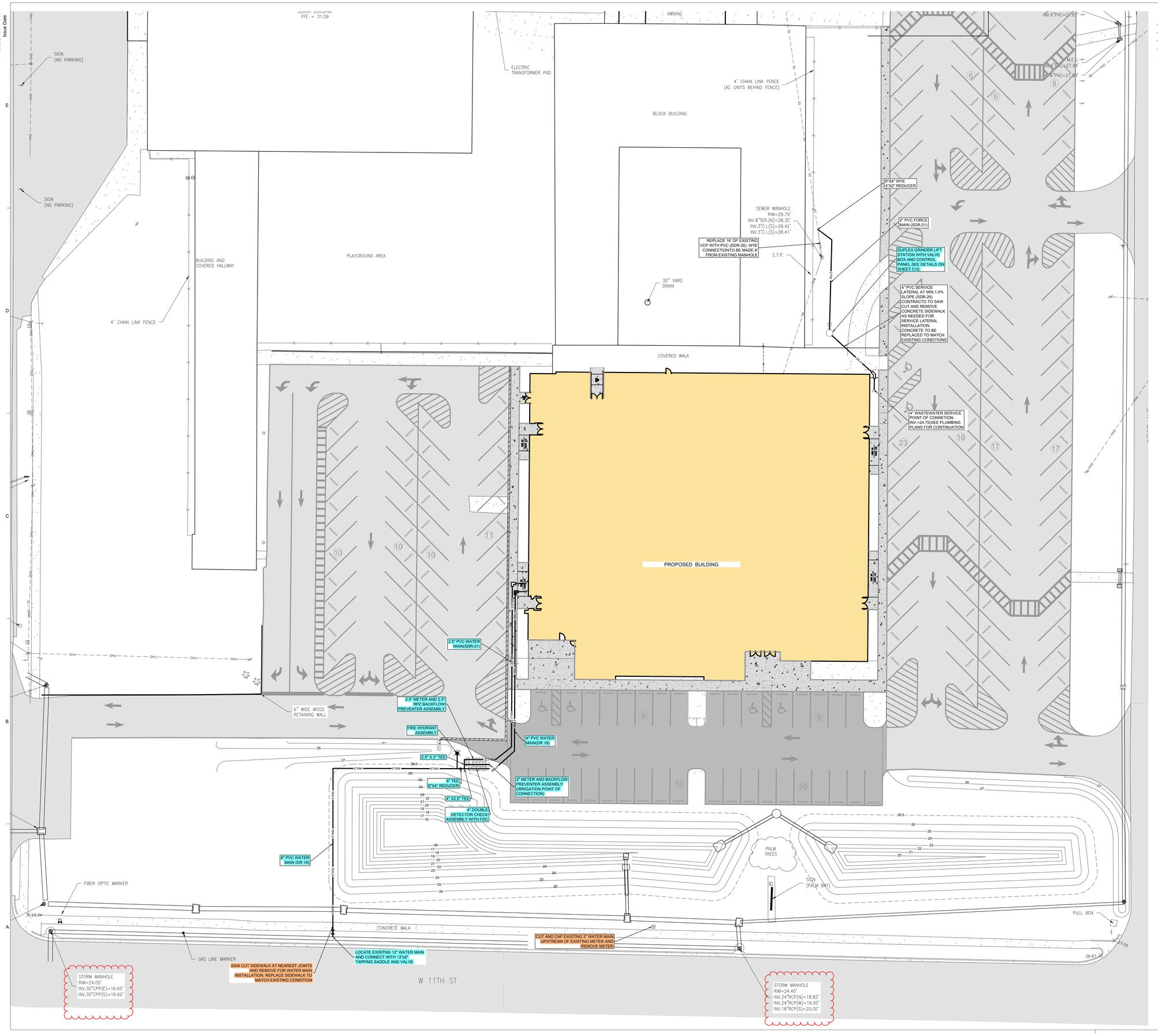

LEGEND

- SS — EXISTING SANITARY SEWER LINE
- 4"SS — PROPOSED SANITARY SEWER LINE (SIZE AS NOTED)
- WM — EXISTING WATER LINE
- 2"WM — PROPOSED WATER LINE (SIZE AS NOTED)
- 7"FM — PROPOSED FORCE MAIN (SIZE AS NOTED)
- PROPOSED STORM PIPE
- OHW — EXISTING OVERHEAD UTILITIES
- PROPOSED ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- PROPOSED CONCRETE
- EXISTING CONCRETE

NOTES:
1. ALL EXISTING UTILITY LOCATIONS AND ELEVATIONS SHALL BE FIELD VERIFIED PRIOR TO THE START OF CONSTRUCTION.
2. CONTRACTOR TO NOTIFY ENGINEER IMMEDIATELY UPON IDENTIFICATION OF CONFLICTS.

Always call 811 two full business days before you dig to have underground utilities located and marked.

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SCALE: 1" = 20'

0' 10' 20' 40'
SCALE: 1" = 20'

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

UTILITY PLAN

Project Number	133407
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C4

GENERAL NOTES

EXISTING SITE RELATED ITEMS:

1. THE LOCATION OF UTILITIES SHOWN ON THE PLANS MAY NOT BE ACCURATE AND ALL UTILITIES MAY NOT BE SHOWN. THE LOCATIONS OF UNDERGROUND UTILITIES HAVE NOT BEEN PHYSICALLY LOCATED BY THEIR OWNER OR PANHANDLE ENGINEERING, INC.
2. THE EXACT LOCATION AND ELEVATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING SHALL BE PHYSICALLY VERIFIED IN THE FIELD BY THE CONTRACTOR BEFORE CONSTRUCTION BEGINS. THESE DRAWINGS DO NOT INTEND TO SHOW IN COMPLETE DETAIL ALL EXISTING STRUCTURES, UTILITIES, OR PIPING. THE CONTRACTOR SHALL EXAMINE ALL AVAILABLE RECORDS AND MAKE ALL EXPLORATIONS AND EXCAVATIONS AS REQUIRED TO DETERMINE THE LOCATION OF EXISTING STRUCTURES, UTILITIES, AND PIPING, WHENEVER NECESSARY. THE OWNER RESERVES THE RIGHT TO CHANGE LOCATION OF LINES TO AVOID CONFLICT WITH EXISTING STRUCTURES, UTILITIES, OR PIPING.
3. THE CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING. THE SURVEY MAY NOT SHOW ALL OBJECTS WITHIN THE PATH OF THE NEW UTILITIES. IF OBJECTS ARE NOT SHOWN ON THE SURVEY, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SEVEN DAYS PRIOR TO THE BID DATE. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACEMENT OF ALL OBJECTS NOT SHOWN ON THE SURVEY.
4. STATIONING ON THE PLANS RELATES TO THE "2D PLAN VIEW" CENTERLINE OF ALL ROADWAYS/ RIGHT-OF-WAYS AND SHALL BE USED FOR LOCATION PURPOSES ONLY. CONTRACTOR SHALL NOT USE STATIONING WHEN CALCULATING PIPE OR ROADWAY LENGTHS. ACTUAL LENGTH MAY DIFFER DUE TO VERTICAL ELEVATION CHANGES AND HORIZONTAL OFFSETS.
5. THE CONTRACTOR SHALL PHYSICALLY EXAMINE THE ENTIRE PROJECT SITE AND INFORM HIMSELF FULLY IN REGARD TO ALL CONDITIONS PERTAINING TO THE PLACE WHERE THE WORK IS TO BE PERFORMED FOR PURPOSE OF DETERMINING HIS COST TO PERFORM THE WORK. THE CONTRACTOR SHOULD PAY SPECIAL ATTENTION TO AREAS INVOLVING CLEARING AND GRUBBING, EXISTING FACILITIES REMOVAL AND REPLACEMENT, SUPPORT ON RELOCATION, AND WORK INVOLVED IN WETLAND AREAS.
6. THE CONTRACTOR SHALL CHECK PLANS FOR CONFLICTS AND DISCREPANCIES PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE OWNER OR OWNER'S ENGINEER OF ANY CONFLICT BEFORE PERFORMING ANY WORK IN THE AFFECTED AREA.
7. THE CONTRACTOR SHALL VIDEO THE ENTIRE ROUTE PRIOR TO CONSTRUCTION AND PROVIDE A COPY TO THE ENGINEER PRIOR TO CONSTRUCTION.
8. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT MARKING THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION.
9. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF WORK CALLED FOR IN THESE CONTRACT DOCUMENTS.
10. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT OCCUR DUE TO THE CONTRACTORS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

CONSTRUCTION REGULATIONS AND PERMITS RELATED ITEMS:

11. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO LEARN, KNOW, AND COMPLY WITH THE REGULATIONS, ORDINANCES, PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION. THE CONTRACTOR SHALL SCHEDULE THE REQUIRED INSPECTIONS AND APPROVALS IN ACCORDANCE WITH THE REQUIREMENTS OF THE PERMIT CONDITIONS. THE CONTRACTOR SHALL NOTIFY THE NECESSARY AGENCIES OF CONSTRUCTION COMMENCEMENT.
12. ALL SPECIFICATIONS AND DOCUMENTS REFERRED TO SHALL BE OF LATEST ISSUE AND SHALL BE CONSIDERED A PART OF THESE DOCUMENTS AS THOUGH INCLUDED.
13. CONTRACTOR SHALL HAVE COPIES OF ALL PERMITS IN POSSESSION AT ALL TIMES DURING CONSTRUCTION. ANY INDIVIDUAL CREW OR INDIVIDUAL PERSON WORKING ON THE INSTALLATION OF ANY PART OF THIS PROJECT SHALL HAVE A SET OF PLANS AND SPECIFICATIONS WITH THEM AT ALL TIMES.
14. THE CONTRACTOR SHALL FOLLOW ALL CONDITIONS OF THE PERMIT REQUIREMENTS. SEE SPECIFICATIONS FOR COPY OF PERMITS.
15. CONTRACTOR SHALL FOLLOW ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS FOR CONSTRUCTION.
16. CONTRACTOR SHALL FOLLOW ALL OSHA REQUIREMENTS FOR CONSTRUCTION.

CONSTRUCTION & SITE RESTORATION RELATED ITEMS:

17. WHERE IT BECOMES NECESSARY TO TEMPORARILY REMOVE, REPOSITION, OR SUPPORT EXISTING FACILITIES, UTILITY POLES, ETC. THIS WORK SHALL BE PERFORMED AT THE CONTRACTOR'S EXPENSE AND IN ACCORDANCE WITH REQUIREMENTS OF THE OWNER OF THE EXISTING FACILITY, UTILITY POLE, ETC. THE CONTRACTOR SHALL GIVE PROPER NOTICE TO THE UTILITIES.
18. THE CONTRACTOR SHALL REMOVE AND REPLACE, TO THEIR ORIGINAL NATURE, ALL DISTURBED MATERIALS OR OBJECTS WITHIN THE PATH OF THE NEW UTILITIES AS NECESSARY. ALL REPLACED MATERIALS SHALL BE EQUAL OR BETTER AND SHALL BE APPROVED BY THE ENGINEER. THIS INCLUDES ALL LANDSCAPING WITHIN THE RIGHT OF WAY IN THE PATH OF THE NEW UTILITIES.
19. ALL DISTURBED OBJECTS SUCH AS DRIVEWAYS, CULVERTS, RETAINING WALLS, FENCING, SIGNS, MAILBOXES, LANDSCAPING, ETC. SHALL BE REINSTALLED TO EXISTING OR ACCEPTABLE CONDITION BY THE OWNER AT THE CONTRACTOR'S EXPENSE.
20. ALL PAVEMENT SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH ENGINEERING PLANS AND SPECIFICATIONS. FOR THE REPLACEMENT OF ASPHALT ROADS AND PAVEMENT DRIVES, THE CONTRACTOR SHALL REMOVE THE EXISTING ASPHALT AND REPLACE AS SHOWN IN DETAILS.
21. CONTRACTOR SHALL TRIM, TACK AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE PROPOSED PAVEMENT ABUTS.
22. ALL CONCRETE DRIVEWAYS SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH ENGINEERING PLANS AND SPECIFICATIONS. FOR REPLACEMENT OF CONCRETE CROSSINGS, THE CONTRACTOR SHALL SAW CUT BACK TO THE CLOSEST JOINT AND REPLACE AS SHOWN IN DETAILS.
23. ALL DISTURBED DRIVES SHALL BE CONNECTED TO THE EXISTING PAVEMENT IN A CONDITION EQUAL TO OR BETTER THAN ITS PREVIOUS CONDITION USING THE SAME MATERIALS THAT WERE REMOVED.
24. THE CONTRACTOR SHALL MAINTAIN A REASONABLE ACCESS TO ALL RESIDENCES AND BUSINESSES DURING CONSTRUCTION.
25. THE CONTRACTOR SHALL TAKE WHATEVER PRECAUTIONS NECESSARY TO AVOID TRESPASSING AND DAMAGING PRIVATE PROPERTY.
26. ALL SPOIL MATERIAL FROM EXCAVATION SHALL BE PLACED ON THE UPLAND SIDE OF ANY SLOPED CONSTRUCTION AREA.
27. ALL EXISTING CONCRETE, ASPHALT, TREES, STUMPS, AND OTHER DELETERIOUS MATERIAL SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN ACCORDANCE WITH FLORIDA LAWS.
28. A ONE FOOT STRIP OF SOD SHALL BE INSTALLED ON THE EDGE OF ALL ASPHALT OVERLAY AREAS AND AROUND ALL ABOVE GROUND CONCRETE STRUCTURES INCLUDING BUT NOT LIMITED TO VALVE PADS, BLOW OFF VAULTS, AND AIR RELEASE VAULTS.
29. ALL CONSTRUCTION STAKING SHALL BE DONE AT CONTRACTORS EXPENSE. CONTRACTOR IS TO FURNISH "AS BUILT PLANS" INDICATING LOCATIONS OF ALL MANHOLES, FITTINGS, VALVES, AND DEAD END RUNS WITH THREE (3) PHYSICAL FEATURES (LOT CORNERS, TREES, ETC.). THIS IS MANDATORY, NO EXCEPTIONS.

MAINTENANCE OF TRAFFIC AND ROADWAY RELATED ITEMS:

30. IT SHALL BE THE CONTRACTOR'S SOLE RESPONSIBILITY TO MAINTAIN ADEQUATE TRAFFIC CONTROL AND TO PROVIDE DETOURS AROUND CONSTRUCTION ACTIVITIES. NO STREET SHALL REMAIN CLOSED TO TRAFFIC OVERNIGHT. IN ADDITION, THE CONTRACTOR SHALL COOPERATE WITH LOCAL RESIDENTS IN GAINING ACCESS TO THEIR HOMES AND BUSINESSES DURING WORKING HOURS AND SHALL ASSIST AT ALL TIMES WHEN VEHICLES EXPERIENCE TROUBLE DUE TO CONSTRUCTION ACTIVITIES.
31. THE CONTRACTOR SHALL INSTALL ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THE PROJECT IN ACCORDANCE WITH THE LATEST EDITION OF THE U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION MANUAL ON UNIFORM TRAFFIC CONTROL.
32. ALL DRIVEWAYS SHALL BE COMPACTED AND MAINTAINED DURING CONSTRUCTION TO ALLOW ACCESS TO FACILITIES AT ALL TIMES. ALL TEMPORARY STABILIZATION SHALL BE SMOOTH AND LEVEL.

EROSION CONTROL AND DEWATERING ITEMS:

33. PRIOR TO STARTING ANY CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY APPROPRIATE AGENCIES AND SHALL INSTALL EROSION CONTROL MEASURES AS SHOWN ON THE PLANS AND AS IDENTIFIED, STATE, AND LOCAL APPROVAL DOCUMENTS PERTAINING TO THIS PROJECT.
34. THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL PER THE GUIDELINES OF THE FLORIDA DEVELOPMENT MANUAL. ALL REQUIRED EROSION AND SEDIMENT CONTROL MEASURES SHALL BE SHALL BE INCLUDED IN COST OF OTHER ITEMS OF WORK.
35. CONTRACTOR SHALL INSTALL ANY REQUIRED SLOPE STABILIZATION, SILT FENCING, BALED HAY BARRIERS, OR TURBIDITY CURTAINS PER CURRENT FDOT DESIGN STANDARDS FOR EROSION CONTROL AND WATER QUALITY. LOCATION SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED IN THE FIELD.
36. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTROL CONSTRUCTION AND PREVENT SEDIMENTS FROM DISCHARGING TO ADJACENT PROPERTIES, WETLANDS, STORM DRAINAGE SYSTEMS, AND/OR OFF-SITE AREAS, WHETHER SUCH EROSION IS CAUSED BY WATER, WIND, OR DIRECT DEPOSIT AT NO ADDITIONAL COST TO OWNER. ADDITIONAL EROSION CONTROLS SHALL BE UTILIZED AS NECESSARY AND AS DIRECTED BY THE ENGINEER TO LIMIT SEDIMENTS FROM DISCHARGING TO ADJACENT PROPERTIES, WETLAND OR STORM DRAINAGE SYSTEMS. THERE WILL BE NO DIRECT PAYMENT FOR THIS WORK.
37. ALL CONSTRUCTION AREAS SHALL BE STABILIZED AT THE CLOSE OF EACH CONSTRUCTION DAY. EROSION CONTROLS SHALL BE CHECKED AT THIS TIME AND MAINTAINED OR REINFORCED IF NECESSARY.
38. EROSION CONTROLS SHALL REMAIN IN PLACE AND BE MAINTAINED FOR THE DURATION OF THE PROJECT TO LIMIT THE MOVEMENT OF SILTATION AND SEDIMENTS FROM ENTERING EXISTING DRAINAGE SYSTEMS OR FROM LEAVING THE CONSTRUCTION SITE. ANY ACCUMULATED SEDIMENTS ARE TO BE REMOVED FROM THE EROSION CONTROLS AND DISPOSED TO PROPERLY. ADDITIONALLY, ALL EROSION CONTROLS ARE TO BE INSPECTED AFTER A STORM EVENT AND THE CONTROLS REPLACED OR ARMORED AS NECESSARY AND ACCUMULATED SEDIMENTS REMOVED.
39. TEMPORARY STOCKPILING OF MATERIALS RELATED TO THE CONSTRUCTION ACTIVITIES ARE TO BE PROPERLY STABILIZED, PROTECTED AND DEMARCATED TO LIMIT MATERIAL MOVEMENT AND EROSION FROM DEPOSITING INTO ADJACENT PROPERTIES, WETLAND OR STORM DRAINAGE SYSTEMS.
40. THE INSTALLATION OF ALL CONCRETE STRUCTURES, GRAVITY SEWER, FORCE MAINS, WATER MAINS, ETC. SHALL BE INSTALLED IN DRY CONDITIONS. DEWATERING MAY BE REQUIRED AT THE DIRECTION OF THE ENGINEER. COMPREHENSIVE PLANS FOR DEWATERING OPERATIONS, IF USED, SHALL BE SUBMITTED BY THE CONTRACTOR TO ENGINEER PRIOR TO INSTALLATION.
41. THE CONTRACTOR SHALL UTILIZE APPROPRIATE DEWATERING SYSTEMS AND TECHNIQUES TO MAINTAIN THE EXCAVATED AREA SUFFICIENTLY DRY FROM GROUNDWATER AND/OR SURFACE RUNOFF SO AS NOT TO ADVERSELY AFFECT CONSTRUCTION PROCEDURES OR CAUSE EXCESSIVE DISTURBANCE OF UNDERLYING NATURAL GROUND.
42. WATER FROM TRENCHES AND EXCAVATIONS SHALL NOT BE DISCHARGED INTO ANY SANITARY SEWER SYSTEM.
43. WATER FROM TRENCHES AND EXCAVATIONS SHALL NOT BE DISCHARGED DIRECTLY TO STORM DRAIN SYSTEMS. PROPER TREATMENT TO A SEDIMENTATION AREA IS TO TAKE PLACE PRIOR TO DISCHARGE TO ANY DRAINAGE SYSTEMS.
44. WATER FROM THE TRENCHES AND EXCAVATIONS SHALL BE DISPOSED OF IN SUCH A MANNER AS TO AVOID PUBLIC NUISANCE, INJURY TO PUBLIC HEALTH OR THE ENVIRONMENT, DAMAGE OR PUBLIC OR PRIVATE PROPERTY, OR DAMAGE TO PUBLIC OR PRIVATE PROPERTY, OR DAMAGE TO THE WORK COMPLETED OR IN PROGRESS. SILTATION BARRIERS SHALL BE UTILIZED AS NECESSARY.
45. THE CONTRACTOR SHALL REPAIR ANY DAMAGE RESULTING FROM THE FAILURE OF THE DEWATERING OPERATIONS OR FROM FAILURE TO MAINTAIN ALL THE AREAS OF WORK IN SUITABLE DRY CONDITION.
46. PRECAUTIONS SHALL BE TAKEN TO PROTECT NEW WORK FROM FLOODING DURING STORMS OR FROM OTHER CAUSES. GRADING IN THE AREAS SURROUNDING ALL EXCAVATIONS SHALL BE PROPERLY SLOPED TO PREVENT WATER FROM RUNNING INTO THE EXCAVATED AREA OR TO ADJACENT PROPERTIES. WHERE REQUIRED, TEMPORARY DITCHES SHALL BE PROVIDED FOR DRAINAGE. UPON COMPLETION OF THE WORK AND WHEN DIRECTED, ALL AREAS SHALL BE RESTORED IN A SATISFACTORY MANNER AND AS DIRECTED.

SPECIAL NOTES

1. CONTRACTOR SHALL CUT AND REMOVE ASPHALT ROADWAYS AS NECESSARY TO INSTALL NEW SEWER MAINS, SEWER LATERALS, WATER MAINS, WATER SERVICE LINES AND OTHER REQUIRED UTILITY IMPROVEMENTS.
2. ALL ROADWAYS AND DRIVEWAYS SHALL BE COMPACTED AND MAINTAINED DURING CONSTRUCTION SO RESIDENTS AND BUSINESSES CAN HAVE ACCESS AT ALL TIMES. ALL TEMPORARY STABILIZATION SHALL BE SMOOTH AND LEVEL.
3. PIPE TESTING SHALL BE PERFORMED WITHIN IN ONE WEEK OF COMPLETING UTILITY IMPROVEMENTS IN ANY SECTION. SEE TEST SCHEDULE FOR MORE REQUIREMENTS.
4. ALL ROADWAY, DRIVEWAY AND SIDEWALK RESTORATION SHALL BE COMPLETED WITHIN ONE WEEK OF SUCCESSFUL PIPE TESTING IN ANY SECTION.
5. ALL DISTURBED YARD AND GRASSED AREAS SHALL BE SODDED WITH CENTIPEDE.
6. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING DAMAGED SECTIONS OF CONCRETE CURB.
7. COST FOR ALL NECESSARY REMOVAL AND REPLACEMENT OF DRIVEWAYS, SIDEWALKS, AND CURBS SPECIFIED ON CONSTRUCTION DRAWINGS SHALL BE INCLUDED IN LUMP SUM BID PRICE FOR EACH SECTION.
8. CONTRACTOR SHALL REMOVE AND REPLACE ALL TREES, SHRUBS AND IRRIGATION DAMAGED DURING CONSTRUCTION. CONTRACTOR SHALL SUBMIT A WORK CHANGE DIRECTIVE PRIOR TO CONSTRUCTION FOR ANY ADDITIONAL COST FOR WORK REQUIRED IN LANDSCAPED AREAS.
9. CONTRACTOR SHALL EXCAVATE AND VERIFY THE EXISTING WATER MAIN, FORCE MAIN, AND GRAVITY SEWER LOCATIONS AND SIZE PRIOR TO SCHEDULING WATER OUTAGE FOR CONNECTION.
10. CONTRACTOR SHALL PROVIDE FITTINGS AS NECESSARY TO MAINTAIN WATER MAIN SEPARATION REQUIREMENTS. CONTRACTOR SHALL RESTRAIN ALL WATER MAINS JOINTS WHERE 6' HORIZONTAL SEPARATIONS CANNOT BE MAINTAINED BETWEEN EXITING SEWER AND STORMWATER UTILITIES.
11. CONTRACTOR SHALL COMPLETE WATER SERVICE CONNECTIONS TO EXISTING METERS AFTER NEW WATER MAINS HAVE BEEN CERTIFIED AND PLACED INTO SERVICE.
12. CONTRACTOR SHALL PRESSURE TEST ALL NEW GRAVITY SEWER AND SEWER LATERALS UP TO THE CLEANOUT.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR BYPASS PUMPING FOR ALL GRAVITY SEWER AND MANHOLE INSTALLATIONS.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION WITH UTILITY OWNER TO STABILIZE POWER POLES AS THEY ARE ENCOUNTERED THROUGHOUT THE ENTIRE PROJECT.
15. REMOVAL AND REPLACEMENT OF EXISTING DRIVEWAYS AND DRIVEWAY CULVERTS SHALL BE INCLUDED IN THE BID PRICE. NEW DRIVEWAYS SHALL MATCH EXISTING MATERIALS.
16. REMOVAL AND REPLACEMENT OF EXISTING SIGNS, MAILBOXES, SODDING, IRRIGATION, LANDSCAPING, STRUCTURES, ETC. SHALL BE INCLUDED IN THE BID PRICE.
17. COMPACTION TESTING SHALL BE PERFORMED AT EACH ROADWAY CUT FOR SERVICE LATERALS AND PER FDOT SPECIFICATIONS FOR ROAD RECONSTRUCTION AND SHALL BE INCLUDED IN THE BID PRICE.
18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EXISTING UTILITIES INCLUDING RECONNECTING ALL WATER AND SEWER SERVICES DAMAGED/BROKEN DURING THE INSTALLATION ON ALL PROPOSED UTILITIES AND OTHER IMPROVEMENTS, WITH NO ADDITIONAL COST TO THE OWNER.
19. THE CONTRACTOR SHALL AVOID OR MINIMIZE THE DISTURBANCE OF EXISTING TREES DURING THE INSTALLATION OF ALL GRAVITY SEWER, WATER MAINS AND OTHER PROPOSED IMPROVEMENTS WITHIN THE RIGHT OF WAYS AND EASEMENTS. IF TREES ARE DAMAGED OR REQUIRED TO BE MOVED, THEY SHALL BE REPLACED WITH TREES OF SIMILAR SIZE AND SPECIES WITH NO ADDITIONAL COST TO THE OWNER. IF APPLICABLE, THE CONTRACTOR MAY USE THE DIRECTIONAL BORE (FOR PRESSURE PIPE) OR JACK AND BORE (FOR GRAVITY PIPE) METHODS IN LIEU OF OPEN CUTTING TO AVOID IMPACTS AT CONTRACTORS EXPENSE.
20. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL EXISTING SEWER MAINS AND LATERALS EXCAVATED DURING THE INSTALLATION OF THE PROPOSED GRAVITY SEWER IMPROVEMENTS. ALL ABANDONED SECTIONS OF NON-EXCAVATED EXISTING GRAVITY SEWER SHALL BE FLOWABLE FILLED. ALL DEMOLITION AND FLOWABLE FILL WORK SHALL BE INCLUDED IN THE BID PRICE.
21. CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A MAINTENANCE OF TRAFFIC PLAN PRIOR TO COMMENCEMENT OF CONSTRUCTION. SIGNAGE SHALL BE MAINTAINED AT ALL TIMES AND SHALL BE INCLUDED IN THE BID PRICE.
22. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BY-PASS PUMPING AND SHALL BE INCLUDED IN THE BID PRICE.
23. CONTRACTOR SHALL PROVIDE DE-WATERING AS NECESSARY FOR THE INSTALLATION OF ALL PROPOSED IMPROVEMENTS. ALL DE-WATERING SHALL BE INCLUDED IN THE BID PRICE.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE NPDES PERMIT AND MAINTAINING THE SILT FENCE, INLET PROTECTION, AND ANY OTHER EROSION CONTROL NECESSARY IN THE NPDES PERMIT GUIDELINES.
25. THE GRAVITY SEWER LINES SHALL BE VIDEO TAPED UPON COMPLETION OF THE INSTALLATION AND PROVIDED TO THE CITY ENGINEER IN DVD FORMAT FOR REVIEW.

TESTING NOTES AND SCHEDULE

1. COPIES OF TEST REPORTS FOR ASPHALT, SUBGRADE, FILL, AND BACKFILL UNDER ROADWAYS AND STRUCTURES, AND UTILITY TRENCHES SHALL BE PROVIDED DIRECTLY TO THE ENGINEER FOR APPROVAL. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE TESTING AND INSURE THAT ALL APPLICABLE TESTS HAVE BEEN PERFORMED. FAILURE TO OBTAIN TEST RESULTS AT ANY POINT OF CONSTRUCTION WILL REQUIRE THE REMOVAL OF THE IMPROVEMENT AND REPLACEMENT BY THE CONTRACTOR. IT SHOULD BE NOTED THAT THE ENGINEER WILL REQUIRE COMPACTION TESTING IN ACCORDANCE WITH THE TESTING SCHEDULE FOR UTILITY TRENCH FILL AND BACKFILL.
2. TESTING REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE TESTING SCHEDULE CONTAINED WITHIN THESE PLANS. SELECTION AND CONTRACTING WITH THE TESTING FIRMS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE AND SCHEDULE ALL TESTS.
3. CONTRACTOR SHALL COORDINATE WITH THE ENGINEER 15 CALENDAR DAYS PRIOR TO PRESSURE TESTING AND BACTERIOLOGICAL TESTING SO A TESTING PLAN CAN BE ESTABLISHED.

62-555.314 (5)

(A) WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THE REQUIRED MINIMUM HORIZONTAL DISTANCE FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND JOINTS IN THE WATER MAIN ARE BEING LOCATED LESS THAN THE REQUIRED MINIMUM DISTANCE FROM JOINTS IN THE OTHER PIPELINE.

1. USE OF PRESSURE-RATED PIPE CONFORMING TO THE AMERIAN WATER WORKS ASSOCIATION STANDARDS INCORPORATED INTO RULE 62-555.330, F.A.C., FOR THE OTHER PIPELINE IF IT IS A GRAVITY - OR VACUUM - TYPE PIPELINE;
2. USE OF WELDED, FUSED, OR OTHERWISE RESTRAINED JOINTS FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE; OR
3. USE OF WATERTIGHT CASING PIPE OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR EITHER THE WATER MAIN OR THE OTHER PIPELINE.

(B) WHERE AN UNDERGROUND WATER MAIN IS BEING LAID LESS THAN THREE FEET HORIZONTALLY FROM ANOTHER PIPELINE AND WHERE AN UNDERGROUND WATER MAIN IS CROSSING ANOTHER PIPELINE AND IS BEING LAID LESS THAN THE REQUIRED MINIMUM VERTICAL DISTANCE FROM THE OTHER PIPELINE:

1. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE WATER MAIN; AND
2. USE OF PIPE, OR CASING PIPE, HAVING HIGH IMPACT STRENGTH (I.E., HAVING AN IMPACT STRENGTH AT LEAST EQUAL TO THAT OF 0.25-INCH-THICK DUCTILE IRON PIPE) OR CONCRETE ENCASEMENT AT LEAST FOUR INCHES THICK FOR THE OTHER PIPELINE IF IT IS NEW AND IS CONVEYING WASTEWATER OR RECLAIMED WATER.

F.A.C. 62-555.314 EXCEPTIONS

CITY OF PANAMA CITY FLORIDA	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	UTILITY SEPARATION REQUIREMENTS (2)	FIGURE : PW-22

PANAMA CITY UTILITY CONSTRUCTION NOTES

FORCE MAIN INSTALLATION RELATED ITEMS:

1. PVC PIPE LESS THAN 4" DIAMETER SHALL BE ASTM DD2241, SDR-21.
2. PVC PIPE 4"-6" SHALL BE AWWA C900 (DR25).
3. PVC PIPE 8"-12" SHALL BE AWWA C900 (DR25).
4. PVC PIPE GREATER THAN 12" SHALL BE AWWA C905 (DR18).
5. FITTINGS AND VALVES 4" AND GREATER SHALL BE MECHANICAL JOINT DUCTILE IRON (250 PSI MIN.).
6. MECHANICAL JOINT RESTRAINTS SHALL BE UTILIZED. (EBBA OR APPROVED EQUAL).
7. ALL FORCE MAINS SHALL BE COLOR GREEN OR BROWN.
8. ALL SANITARY FORCE MAINS SHALL BE HYDROSTATICALLY TESTED PER AWWA STANDARD C600 (LATEST EDITION) AT 100 PSIG (MINIMUM) FOR TWO HOURS
9. ALL FLUSHING REQUIREMENTS PER AWWA STANDARDS (3 FPS MINIMUM, 6 X PIPE VOLUME MINIMUM.)

GRAVITY SEWER INSTALLATION RELATED ITEMS:

10. ALL GRAVITY SEWER PIPE, MANHOLES, SERVICE LATERALS AND PIPE BEDDING SHALL BE INSTALLED ACCORDING TO ENGINEERING DRAWINGS AND SPECIFICATIONS.
11. THE CONTRACTOR SHALL VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING SEWER MAINS AND SEWER LATERALS TO BE CONNECTED TO PRIOR TO CONSTRUCTION.
12. ALL GRAVITY SEWER PIPE SIZES 4" TO 15" AND DEPTHS UP TO 15 FEET SHALL BE PVC AND IN ACCORDANCE WITH ASTM D-3034-SDR26, UNLESS SPECIFIED TO 15" AND DEPTHS UP TO 15 FEET SHALL BE PVC AND IN ACCORDANCE WITH ASTM D-3034-SDR26, UNLESS SPECIFIED AND DEPTHS UP TO 15 FEET SHALL BE PVC AND IN ACCORDANCE WITH ASTM D-3034-SDR26, UNLESS SPECIFIED OTHERWISE.
13. ALL SEWER SERVICE LATERAL CONNECTIONS SHALL BE INSTALLED A MINIMUM OF 5 FEET FROM THE NEAREST MANHOLE AND HAVE A 2 FEET MINIMUM SEPARATION BETWEEN MANHOLE. ALL SEWER SERVICE LATERALS CONNECTIONS TO NEW PVC SEWER PIPE SHALL BE MADE WITH GASKETED PVC TEE OR WYE FITTINGS. SADDLE CONNECTIONS SHALL NOT BE ALLOWED.
14. ALL SEWER SERVICE LATERALS SHALL BE 4 INCHES UNLESS NOTED OTHER WISE. THE MINIMUM SEWER SERVICE LATERAL PIPE SLOPE SHALL BE; 4 INCHES=2%; 6 INCHES= 1%; 8 INCHES=0.5%.
15. LOCATOR TAPE SHALL BE INSTALLED 12" TO 18" ABOVE ALL GRAVITY SEWER MAINS AND SERVICE LATERALS. LOCATER TAPE SHALL BE MARKED "SANITARY SEWER BELOW".
16. ALL CONNECTIONS TO EXISTING SEWER MAINS AND LATERALS OF DISSIMILAR MATERIALS SHALL BE MADE WITH STRONG BACK FLEXIBLE REPAIR COUPLINGS.
17. MANHOLES SHALL BE A MINIMUM FOUR (4) FOOT DIAMETER AND CONSTRUCTED PER THE STANDARDS AND SPECIFICATIONS.
18. ALL MANHOLE BENCHES SHALL BE REPAIRED OR REPLACED AS NECESSARY TO HAVE SMOOTH TRANSITIONS THROUGH MANHOLE.
19. ALL GRAVITY SEWER PIPE (MAINS AND LATERALS) SHALL HAVE AIR TEST AND COLOR CCTV INSPECTION COMPLETED AND APPROVED BY THE ENGINEER PRIOR TO ROADWAY RESURFACING.
20. CCTV INSPECTIONS SHALL BE COMPLETED IMMEDIATELY AFTER FLUSHING WITH CLEAN WATER. ANY DEBRIS ENCOUNTERED WILL RESULT IN A FAILED INSPECTION AND PRESSURE TEST.
21. GRAVITY SEWER PIPE SAGS SHALL NOT EXCEED MORE THAN 10% OF THE PIPE DIAMETER.

POTABLE AND REUSE WATER MAINS POTABLE AND REUSE WATER MAINS

22. PVC PIPE LESS THAN 4" DIAMETER SHALL BE ASTM DD2241, SDR-21.
23. PVC PIPE 4"-6" SHALL BE AWWA C900 DR18 (PC 235).
24. PVC PIPE 8"-12" SHALL BE AWWA C900 DR25 (PC 165).
25. PVC PIPE GREATER THAN 12" SHALL BE AWWA C905 DR25 (PC 160).
26. FITTINGS AND VALVES 4" AND GREATER SHALL BE MECHANICAL JOINT DUCTILE IRON (250 PSI MIN.).
27. MECHANICAL JOINT RESTRAINTS SHALL BE UTILIZED.
28. ALL POTABLE WATER MAINS SHALL BE PVC COLOR BLUE. ALL RECLAIMED WATER MAINS SHALL BE PVC COLOR PURPLE.
29. ALL FLUSHING REQUIREMENTS PER AWWA STANDARDS (3.0 fps MINIMUM., 6 X PIPE VOLUME MINIMUM.)
30. ALL WATER MAINS SHALL BE HYDROSTATICALLY TESTED PER AWWA STANDARD C600 (LATEST EDITION) AT 150 PSIG (MINIMUM) FOR TWO HOURS.
31. ALL WATER MAINS REQUIRE DISINFECTION PER AWWA STANDARD C651.

WATER AND REUSE VALVES WATER AND REUSE VALVES

32. 12" AND LESS SHALL BE EPOXY COATED RESILIENT SEAT GATE VALVES.
33. 16" AND ABOVE SHALL BE EPOXY COATED RESILIENT BUTTERFLY VALVES.

FORCE MAIN

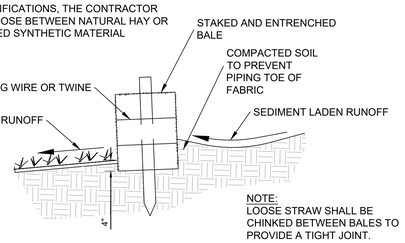
34. PVC PIPE LESS THAN 4" DIAMETER SHALL BE ASTM DD2241, SDR-21.
35. PVC PIPE 4"-6" SHALL BE AWWA C900 DR18 (PC 235).
36. PVC PIPE 8"-12" SHALL BE AWWA C900 DR25 (PC 165).
37. PVC PIPE GREATER THAN 12" SHALL BE AWWA C905 DR25(PC 160).
38. FITTINGS AND VALVES 4" AND GREATER SHALL BE MECHANICAL JOINT DUCTILE IRON (250 PSI MIN.).
39. MECHANICAL JOINT RESTRAINTS SHALL BE UTILIZED (GBBA MEGALUG OR MECHANICAL JOINT RESTRAINTS SHALL BE UTILIZED (GBBA MEGALUG OR APPROVED EQUAL).
40. ALL FORCE MAINS SHALL BE COLOR GREEN OR BROWN.
41. ALL SANITARY FORCE MAINS SHALL BE HYDROSTATICALLY TESTED PER AWWA STANDARD C600 (LATEST EDITION) AT 100 PSIG (MINIMUM) FOR TWO HOURS.
42. ALL FLUSHING REQUIREMENTS PER AWWA STANDARDS (3.0 fps MINIMUM., 6 X PIPE VOLUME MINIMUM.)

GRAVITY SEWER

43. PVC PIPE 4"-15" DIAMETER SHALL BE ASTM D3034, (SDR-35.)
44. PVC PIPE 18"-27" DIAMETER SHALL BE F679 (SDR-35.)
45. PVC PIPE DEEPER THAN 14 FEET SHALL BE SDR 26.
46. ALL SEWER LINES SHALL BE COLOR GREEN OR BROWN.
47. ALL GRAVITY SEWER

22019
PROJECT STATUS
Issue Date

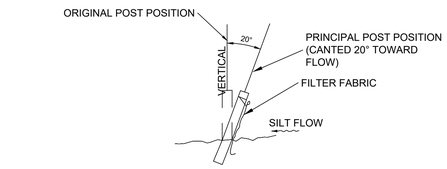
NOTE:
UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS, THE CONTRACTOR MAY CHOOSE BETWEEN NATURAL HAY OR APPROVED SYNTHETIC MATERIAL



NOTE:
LOOSE STRAW SHALL BE CHINKED BETWEEN BALES TO PROVIDE A TIGHT JOINT.

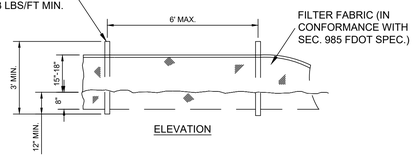
STAKED BALE
N.T.S

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	STAKED HAY BALE	FIGURE : G-1



SECTION

POST OPTIONS:
SOFTWOOD 2½" MIN. DIA.
SOFTWOOD 2" X 4"
HARDWORD 1½ " X 1½ "
STEEL 1.33 LBS/FT MIN.



ELEVATION

TYPE III SILT FENCE
N.T.S

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	TYPE III SILT FENCE	FIGURE : G-2

ENVIRONMENTAL SEQUENCE

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS, DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

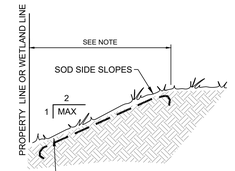
SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. INSTALL SILT FENCES AND HAY BALES, AS REQUIRED.
3. CONSTRUCT SEDIMENTATION BASIN.
4. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN AT PERMANENT POND LOCATION.
5. CONTINUE CLEARING AND GRUBBING.
6. STOCKPILE TOP SOIL IF REQUIRED.
7. PERFORM PRELIMINARY GRADING ONSITE, AS REQUIRED.
8. STABILIZE DENUDED AREA AND STOCKPILES AS SOON AS PRACTICABLE.
9. INSTALL UTILITIES, STORM SEWER, CURBS AND GUTTER.
10. APPLY BASE TO PROJECT.
11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING.
12. COMPLETE FINAL PAVING.
13. REMOVE ACCUMULATED SEDIMENT FROM BASINS.
14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/ SOD, AS REQUIRED.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION AND TURBIDITY CONTROL PLAN.



EROSION CONTROL BLANKET #2010-01 BY EROSION CONTROL SYSTEMS. (1-800-641-3277) UNDER SOD ANCHORED WITH 6" SOD STAPLES.

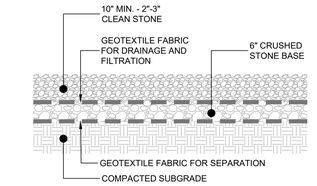
NOTE: PROVIDE EROSION CONTROL BLANKET FROM PROPERTY LINE OR WETLAND LINE WHERE APPLICABLE TO BACK OF CURB, BUILDING OR TO TOP OF BASIN AS REQUIRED.

SLOPE STABILIZATION DETAIL
NOT TO SCALE

SLOPE STABILIZATION NOTES

FLAT TO 1:3 - SEED AND MULCH, HYDRO-SEED OR SOD.
1:3 TO 1:2 - SOD LAPPED AND PINNED.
1:2 TO 1:1 - EROSION CONTROL BLANKET AND SOD.
1:1 OR GREATER - RETAINING WALL OR ARMOR FORM.

NOTE:
AREAS NOT SODDED TO BE STABILIZED WITH HYDROSEEDING. SEE SLOPE STABILIZATION DETAIL THIS SHEET

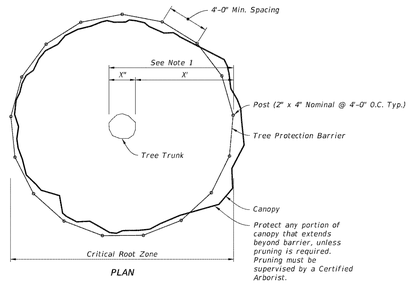


CONSTRUCTION ENTRANCE NOTES:

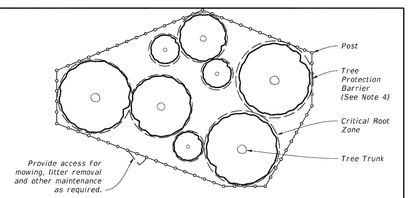
1. GRADE SLOPE TO SITE.
2. PROVIDE CULVERT AS REQUIRED TO CARRY PRE-EXISTING DITCH FLOW. (SEE EXISTING PLAN VIEW FOR LOCATION)
3. CONTRACTOR TO LOCATE TEMPORARY CONSTRUCTION FENCING, JERSEY BARRIERS, OR BOTH ALONG THE SIDES OF THE CONSTRUCTION EXIT TO PREVENT CONSTRUCTION TRAFFIC FROM SHORT CIRCUITING/BYPASSING THE EXIT.
4. ALL MATERIALS SPILLED, DROPPED OR TRACKED ONTO PUBLIC ROADS (INCLUDING AGGREGATE STONE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY.

CONSTRUCTION ENTRANCE DETAIL
NOT TO SCALE

NOTES:
1. Critical Root Zone: Extends in all directions from trunk of tree to a distance equal to one foot per inch of trunk diameter at breast height.
2. Staging, storage, dumping, washing and operation of equipment is not permitted within the limits of the tree protection barrier, including during barrier installation.
3. Install all tree protection prior to commencement of construction and remove when directed by the Engineer. Maintain protection at all times.
4. For closely spaced groups of trees, place the tree protection barrier around the entire group.
5. Inspect trunk protection and tree quarterly to prevent girdling. Adjust bands to allow tree growth as needed.
6. See plans for any additional requirements or modifications within the tree protection area.
7. Place weather resistant sign every 50' along the barrier, with 6" minimum text height and provide text in English and Spanish. Sign should read " Keep Out Tree Protection Area".
8. Alternate tree protection systems approved by the Engineer may be used in lieu of the tree protection barrier detailed on this Index as long as the critical root zone is protected.
9. The Critical Root Zone may be reduced, in the field, by a certified Arborist or Landscape Architect.

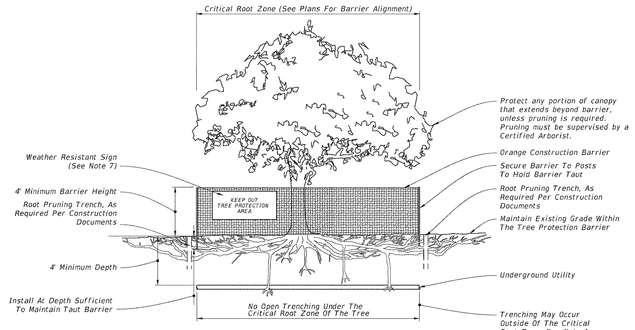


PLAN



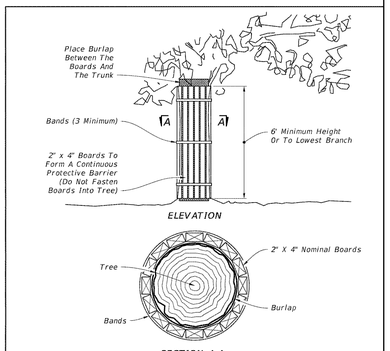
PLAN

PROTECTION BARRIER FOR TREE GROUPINGS



ELEVATION

TREE PROTECTION BARRIER



ELEVATION

SECTION A-A

NOTES:
1. Trunk protection may be used when Tree Protection Barrier can not be reasonably erected, when approved by Engineer.
2. See Selective Clearing and Grubbing Plan for location of trunk protection, when applicable.
3. Adjust bands to allow tree growth (inspect quarterly to prevent girdling).

TRUNK PROTECTION

LAST REVISION 11/01/18	REVISION DESCRIPTION:	FDOT FY 2020-21 STANDARD PLANS	TREE PROTECTION AND PRESERVATION	INDEX 110-100	SHEET 1 of 1

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100% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

(FOR REVIEW AND FINAL COORDINATION)

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

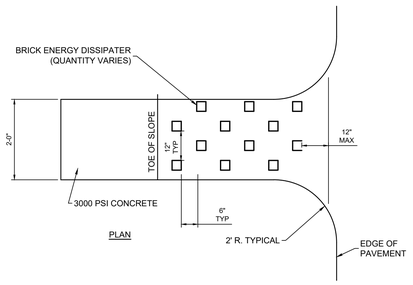
CONSTRUCTION DETAILS

Project Number	133407
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

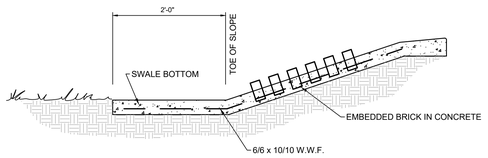
C6

PANHANDLE ENGINEERING, INC.
ENVIRONMENTAL ENGINEERS ● CIVIL ENGINEERS ● LAND PLANNERS
600 Ohio Avenue Lynn Haven, Florida 32444
(850)763-5200 Fax (850)763-5200 www.panhandleengineering.com

22019
PROJECT STATUS
Issue Date

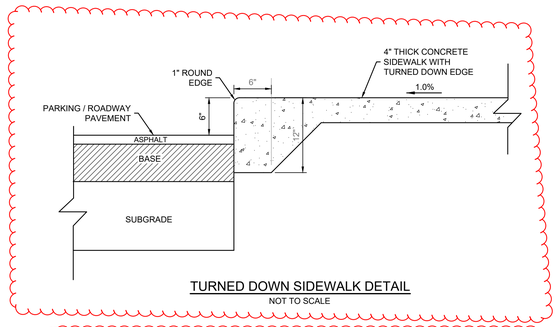


PLAN

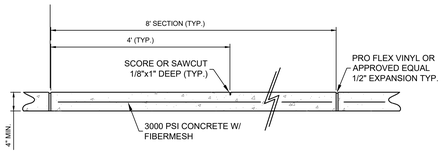


SECTION

FLUME AND ENERGY DISSIPATER DETAIL
NOT TO SCALE

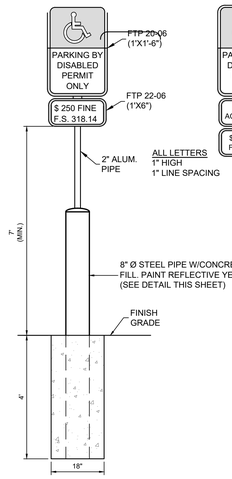


TURNED DOWN SIDEWALK DETAIL
NOT TO SCALE

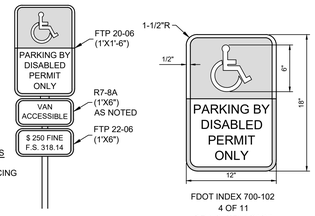


NOTE:
SIDEWALKS CROSS SLOPE NOT TO EXCEED 2.0% (50:1)

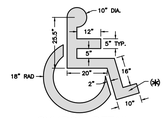
CONCRETE SIDEWALK DETAIL
NOT TO SCALE



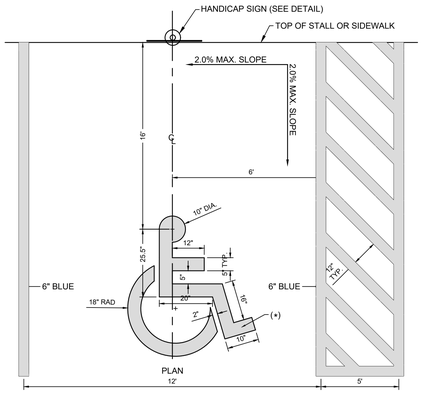
HANDICAP SIGN DETAIL
NOT TO SCALE



FDOT INDEX 700-102
4 OF 11
REV. DATE:11/01/17

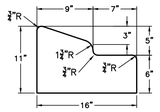


SYMBOL DETAIL
(*) INTERNATIONAL SYMBOL OF ACCESSIBILITY DISPLAY CONDITIONS. THE SYMBOL CONTRAST SHALL BE LIGHT ON DARK, OR DARK ON LIGHT.

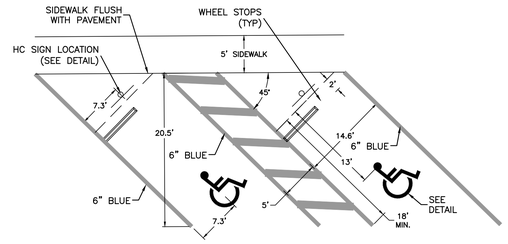


(*) INTERNATIONAL SYMBOL OF ACCESSIBILITY DISPLAY CONDITION:
THE SYMBOL CONTRAST SHALL BE LIGHT ON DARK, OR DARK ON LIGHT.

HANDICAP STRIPING DETAIL
NOT TO SCALE

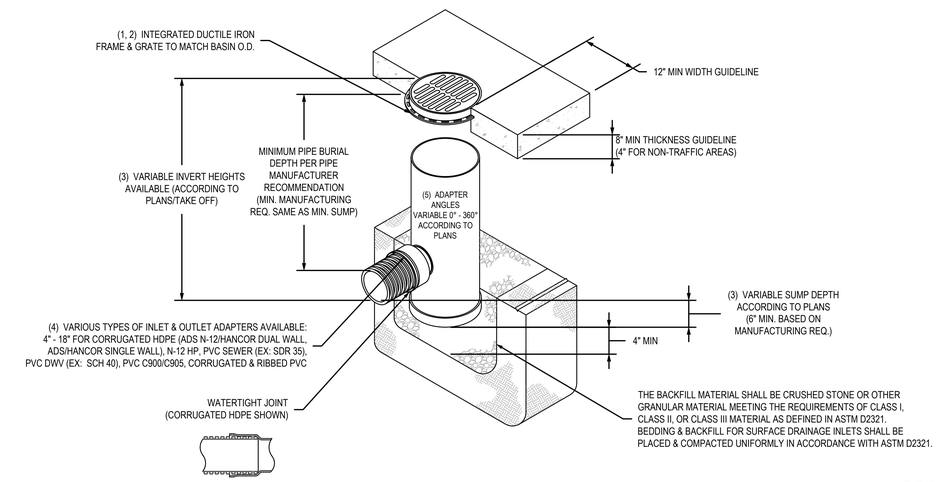


TYPE A CURB DETAIL
NOT TO SCALE

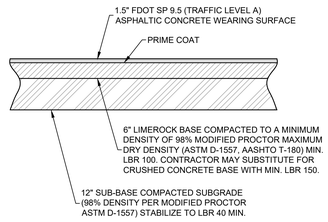


NOTE: ALL STRIPING TO BE PER ADA STANDARDS

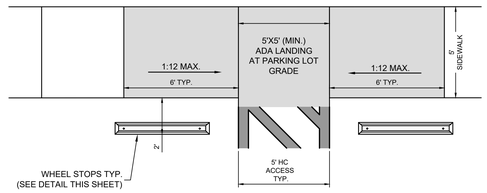
45° HANDICAP STRIPING DETAIL RAMP
NOT TO SCALE



NYLOPLAST DRAIN BASIN DETAIL
NOT TO SCALE

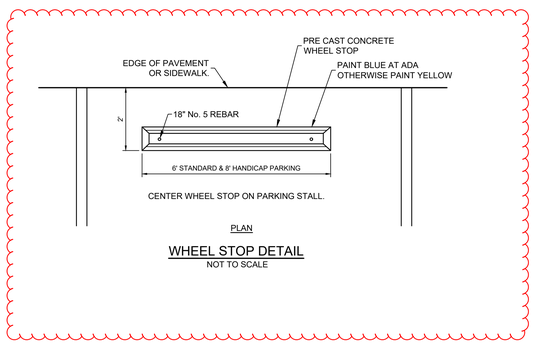


ASPHALTIC PAVEMENT DETAIL
NOT TO SCALE



NOTE: CONTRACTOR RESPONSIBLE TO CONSTRUCT
HC RAMPS TO MEET ADA SPECIFICATIONS

TYPICAL ADA SIDEWALK RAMP
NOT TO SCALE



PLAN

WHEEL STOP DETAIL
NOT TO SCALE

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(FOR REVIEW AND FINAL COORDINATION)

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

CONSTRUCTION DETAILS

Project Number	**133407**
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C7

PANHANDLE ENGINEERING, INC.
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22019
PROJECT STATUS
Issue Date

E

D

C

B

A

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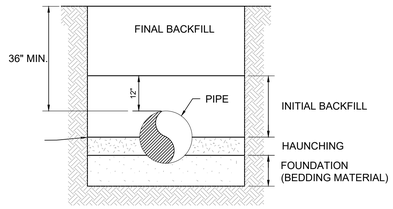
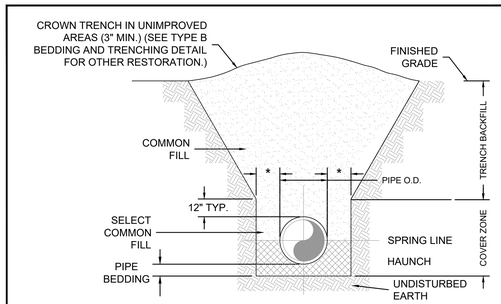
NOTE:
SEE SPECIFICATIONS FOR BACKFILL AND COMPACTION REQUIREMENTS



TRENCH TERMINOLOGY
N.T.S

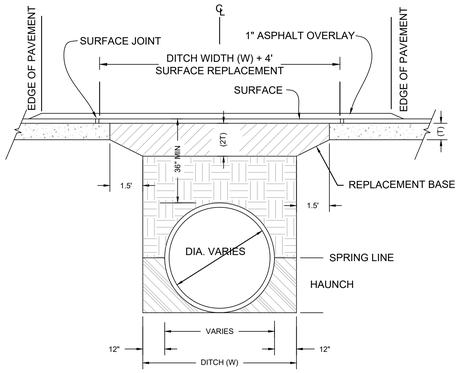
	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	TRENCH TERMINIOLOGY	FIGURE : G-4



NOTES:
1. SHEETING AND BRACING IN EXCAVATED TRENCHES TO COMPLY WITH THE MANUFACTURER SPECIFICATIONS, AND MUST MEET THE STATE "TRENCH SAFETY ACT".
2. ALL PIPE TO BE INSTALLED AS PER THE LINES, GRADES, AND SLOPES CALLED FOR IN THE PLANS, AND AT A MINIMUM OF 36 INCHES BELOW THE TOP OF THE FINISH GRADE.
3. (*)THE WIDTH OF THE TRENCH IS TO BE 24 INCHES WIDER THAN THE OUTSIDE DIAMETER OF PIPE.
4. IF THE TRENCH IS UNDERCUT OR UNSUITABLE MATERIAL IS ENCOUNTERED, BEDDING MATERIAL (SELECT COMMON FILL OR BEDDING ROCK) IS TO BE UTILIZED AND LEFT IN A LOOSE CONDITION BELOW THE MIDDLE THIRD OF THE OUTSIDE DIAMETER OF THE PIPE. THE REMAINDER OF THE TRENCH BOTTOM IS TO BE COMPACTED TO A MINIMUM OF 95% OF THE MAXIMUM DENSITY AS (DETERMINED BY ASTM D1557.
5. WHEN BEDDING MATERIAL IS TO BE UTILIZED, IT IS TO BE INSTALLED AT A MINIMUM DEPTH OF 4 INCHES BELOW THE BOTTOM OF THE PIPE.
6. IF THE TRENCH IS NOT UNDERCUT, EXCAVATE FOR THE PIPE BELLS BEFORE LAYING THE PIPE.
7. THE PIPES ARE TO BE INSTALLED SO THAT THE BELL OF THE PIPE IS FACING UPSTREAM TO THE DIRECTION OF FLOW.
8. HAND TAMP THE FILL MATERIAL IN THE HAUNCH AREA THAT CANNOT BE REACHED BY MECHANICAL TAMPERS.
9. FOR CONCRETE PIPE, COMPACT THE BACKFILL IN 6 INCH LAYERS (UP TO A MAXIMUM OF 12 INCHES ABOVE THE TOP OF THE PIPE) TO A DENSITY OF AT LEAST 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557. FOR METAL AND PLASTIC PIPE, COMPACT THE BACKFILL IN 6 INCH LAYERS (UP TO A MAXIMUM OF 12 INCHES ABOVE THE TOP OF THE PIPE) TO A DENSITY OF AT LEAST 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
10. COMPACT AND STABILIZE THE REMAINING BACKFILL, IN LAYERS OF APPROVED THICKNESS, TO THE DENSITIES SPECIFIED IN THE PLANS AND SPECIFICATIONS
11. CONTRACTOR TO PLACE A WOVEN OR NON-WOVEN FILTER FABRIC (TYPE D-3) AROUND THE HUBBED JOINT OF ALL CONCRETE PIPE TO PREVENT POTENTIAL SOIL INFILTRATION.
12. WATER WILL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION. DEWATER AS NECESSARY DURING PLACEMENT.

TRENCH TYPE "A"
N.T.S.

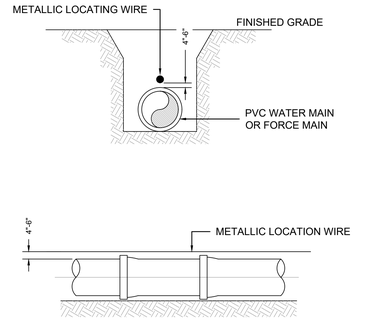
	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	TRENCH TYPE "A"	FIGURE : G-5



NOTES:
1. SHEETING AND BRACING IN EXCAVATED TRENCHES TO COMPLY WITH THE MANUFACTURER SPECIFICATIONS, AND MUST MEET THE STATE "TRENCH SAFETY ACT".
2. ALL PIPE TO BE INSTALLED AS PER THE LINES, GRADES, AND SLOPES CALLED FOR IN THE PLANS, AND AT A MINIMUM OF 36 INCHES BELOW THE TOP OF PAVEMENT.
3. HAND TAMP THE FILL MATERIAL IN THE HAUNCH AREA THAT CANNOT BE REACHED BY MECHANICAL TAMPERS.
4. FOR CONCRETE PIPE, COMPACT THE BACKFILL IN 6 INCH LAYERS (UP TO A MAXIMUM OF 12 INCHES ABOVE THE TOP OF THE PIPE) TO A DENSITY OF AT LEAST 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557. FOR METAL AND PLASTIC PIPE, COMPACT THE BACKFILL IN 6 INCH LAYERS (UP TO A MAXIMUM OF 12 INCHES ABOVE THE TOP OF THE PIPE) TO A DENSITY OF AT LEAST 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
5. COMPACT AND STABILIZE THE REMAINING BACKFILL IN LAYERS OF AN APPROVED THICKNESS, TO A DENSITY AS SPECIFIED BY THE PLANS AND SPECIFICATIONS.
6. THE EXISTING ASPHALT IS TO BE SAWED MECHANICALLY AND REMOVED TO LEAVE NEAT LINES A MINIMUM OF 1.5 FEET WIDER ON EACH SIDE OF THE TRENCH CUT.
7. IF THE EXISTING BASE IS NOT AN ASPHALTIC BASE, IT IS TO BE REPLACED WITH THE SAME MATERIAL AT TWICE THE THICKNESS OF THE EXISTING BASE, IN 6 INCH LAYERS, AND COMPACTED TO A DENSITY OF AT LEAST 95% OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D1557.
8. IF THE EXISTING BASE IS AN APSHALTIC BASE, IT IS TO BE REPLACED WITH A MINIMUM OF 5 INCHES OF AN APPROVED ASPHALT BASE COURSE AND MEET THE REQUIREMENTS OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
9. THE SURFACE COURSE IS TO BE REPLACED CONSISTENT WITH THE EXISTING SURFACE COURSE. THE LENGTH OF THE TRENCH CUT IS TO BE OVERLAYED WITH 1 INCH TYPE S-3 ASPHALT (OR AN APPROPRIATE, APPROVED SUPERPAVE MIX) THE WIDTH OF THE EXISTING PAVEMENT AND FEATHERED AT THE SIDES AND THE ENDS.
10. CONTRACTOR SHALL PLACE A WOVEN OR NON-WOVEN FILTER FABRIC (TYPE D-3) AROUND THE HUBBED JOINT OF ALL CONCRETE PIPE TO PREVENT POTENTIAL SOIL INFILTRATION.
11. WATER WILL NOT BE PERMITTED IN THE TRENCH DURING CONSTRUCTION. DEWATER AS NECESSARY DURING PLACEMENT.

TRENCH TYPE "B"
N.T.S.

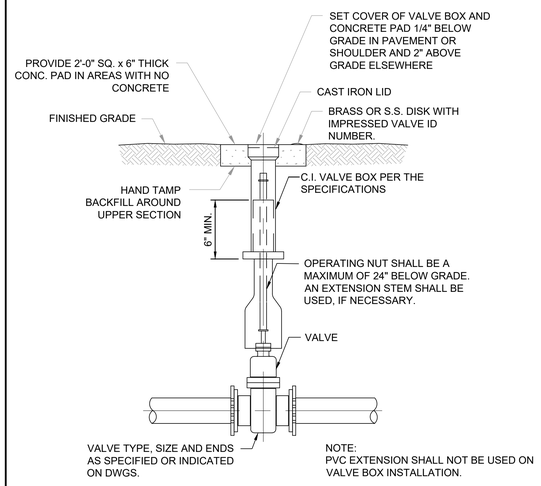
	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	TRENCH TYPE "B"	FIGURE : G-6



NOTES:
1. PVC PIPE SHALL REQUIRE INSULATED METALLIC LOCATING WIRE (10 GAUGE COPPER) CAPABLE OF DETECTION BY A CABLE LOCATOR AND SHALL BE BURIED DIRECTLY ABOVE THE CENTERLINE OF THE PIPE.
2. LOCATING WIRE SHALL TERMINATE AT THE TOP OF EACH VALVE BOX AND BE CAPABLE OF EXTENDING 24" ABOVE TOP OF BOX IN SUCH A MANNER SO AS NOT TO INTERFERE WITH VALVE OPERATION.
3. ALL SPLICES SHALL BE MADE USING A WATER-TIGHT SEALING METHOD APPROVED BY THE CITY.

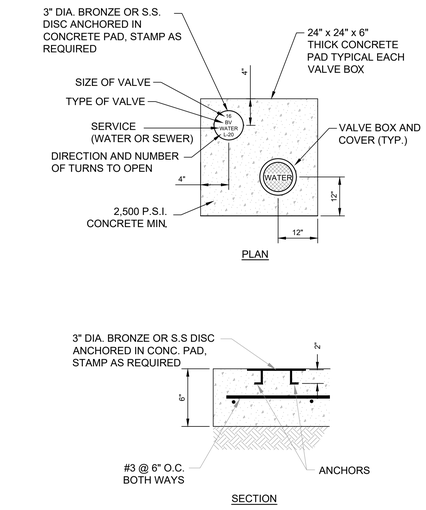
LOCATING WIRE

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	LOCATING WIRE DETAILS	FIGURE : G-13



WATER VALVE AND BOX
N.T.S.

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	WATER VALVE AND BOX DETAIL	FIGURE : PW-1



WATER VALVE COLLAR
N.T.S.

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	WATER VALVE COLLAR DETAIL	FIGURE : PW-2

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

CONSTRUCTION DETAILS

Project Number	**133407**
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C8

PANHANDLE ENGINEERING, INC.
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22019
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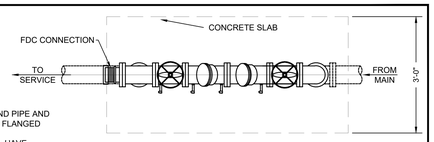
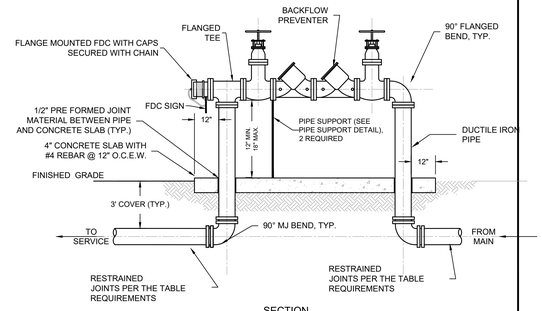


PLAN VIEW

NOTES:
1. ALL ABOVE GROUND PIPE AND FITTINGS SHALL BE FLANGED DUCTILE IRON.
2. ALL VALVES SHALL HAVE HANDWHEELS.
3. BACKFLOW DEVICE SHALL BE RPZ OR DC TYPE AS APPROVED BY CITY.
4. VALVE(S) SHALL BE CHAINED AND PADLOCKED IN OPENED POSITION.
5. BACKFLOW DEVICE SHALL BE TESTED AND CERTIFIED BY A LICENSED PROFESSIONAL ANNUALLY. THE REPORT SHALL BE DELIVERED TO THE CITY.
6. DUCTILE IRON PIPE SHALL BE PRESSURE CLASS 350.
7. ABOVE GROUND PIPE SHALL BE INSULATED PER THE SPECIFICATIONS.
8. A 3/4" METER SHALL BE PROVIDED ON THIS LINE, PER THE CITY'S REQUEST, AT NO COST TO THE CITY

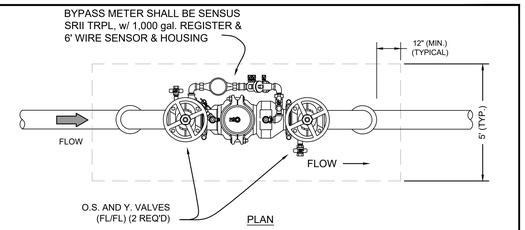


SECTION

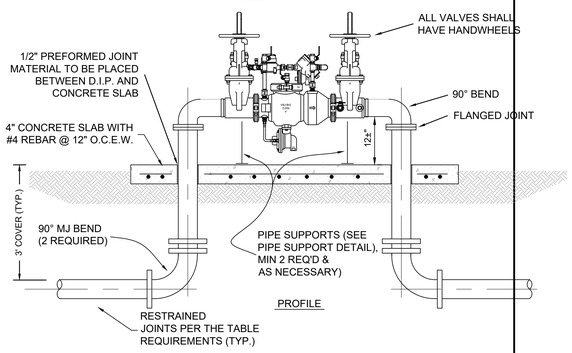
FIRE LINE BACKFLOW PREVENTER

N.T.S.

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	FIRE LINE BACKFLOW PREVENTER	FIGURE : PW-15



PLAN



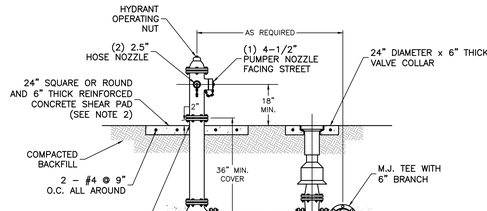
PROFILE

NOTES:
1. ALL ABOVE GROUND PIPE SHALL BE DUCTILE IRON w/ FLANGED JOINTS.
2. DUCTILE IRON PIPE SHALL BE PRESSURE CLASS 350.
3. ABOVE GROUND PIPE SHALL BE INSULATED PER THE SPECIFICATIONS

DOUBLE DETECTOR CHECK VALVE ASSEMBLY

N.T.S.

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	DOUBLE DETECTION CHECK VALVE ASSEMBLY	FIGURE : PW-23



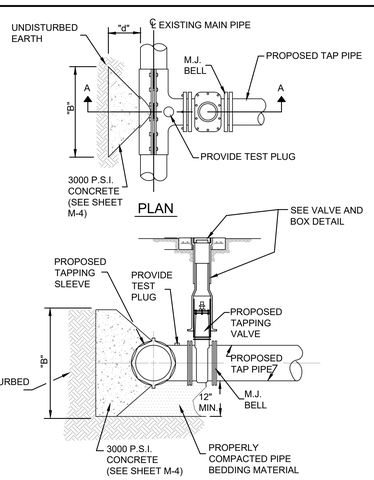
NOTES:
1. THE SHEAR PAD MAY BE RECESSED UP TO 6 INCHES BELOW FINISHED GRADE.
2. CLEARANCE BETWEEN BOTTOM OF BOLTS AND TOP OF SHEAR PAD SHALL BE 2" MINIMUM.

HYDRANTS SHALL:
1. BE ABLE TO DELIVER 600 GPM WITH A FRICTION LOSS OF NOT MORE THAN 5 PSI IN THE HYDRANT AND A TOTAL LOSS OF NOT MORE THAN 5 PSI BETWEEN STREET MAIN AND OUTLET.
2. HAVE AT LEAST TWO 2 1/2" OUTLETS AND ONE 4 1/2" OUTLET, WITH NATIONAL STANDARD TYPE THREADS.
3. BE OF SUCH A DESIGN THAT WHEN THE BARREL IS BROKEN OFF THE HYDRANT WILL REMAIN CLOSED.
4. HAVE CONNECTION TO THE STREET MAIN OF NOT LESS THAN 6 INCHES IN DIA.
5. HAVE ALL FITTINGS WITH MEG-A-LUG GLANDS.
6. HAVE ALL D.I.P. PIPING.
7. HAVE A GATE VALVE BETWEEN HYDRANT AND THE STREET MAIN.
8. HAVE A 5 1/4" MAIN VALVE SEAT.
9. APPROVED MODELS ARE AMERICAN DARLING B84B, MUELLER CENTURION, AVK 2790, M&H 129 OR CLOW MEDALLION. NO SUBSTITUTIONS ARE ALLOWED.

FIRE HYDRANT ASSEMBLY

N.T.S.

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	FIRE HYDRANT ASSEMBLY DETAIL	FIGURE : PW-25



PLAN

SECTION A-A

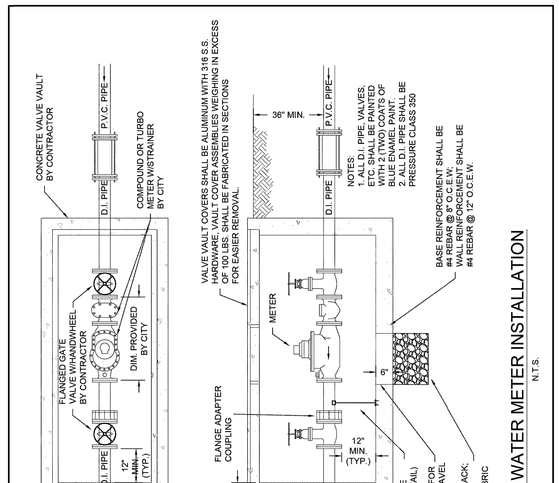
FOR DIMENSIONS "B" AND "d" SEE THRUST BLOCK REQUIREMENTS

NOTES:
1.) NO CUTS SHALL BE MADE BEFORE:
(A) A TEST ON THE SLEEVE AT 150 P.S.I. FOR 30 MINUTES IS MADE.
(B) ALL FITTINGS TO BE WRAPPED WITH 24 MIL POLYETHYLENE AT THE THRUST BLOCK
(C) ALL TAPS ARE TO BE MADE BY THE CITY OF PANAMA CITY UTILITIES DEPT. UNLESS OTHER ARRANGEMENTS ARE MADE. THE MATERIAL IS TO BE FURNISHED BY THE INFRASTRUCTURE CONTRACTOR.
2.) ALL TAPS MUST BE OF A SMALLER SIZE THAN THE MAIN BEING TAPPED & PLACED NO CLOSER THAN 30" OR A DISTANCE EQUAL TO ONE (1) MAIN PIPE DIAMETER PLUS TWO (2) TAP PIPE DIAMETERS (WHICHEVER IS LARGER) FROM A JOINT OR FITTING.
3.) CONTRACTOR TO SUPPLY A DRY HOLE FOR TAPPING CREW TO WORK AND A BACK-HOE TO LOWER MACHINE INTO HOLE.

TAPPING SLEEVE AND VALVE BLOCKING

N.T.S.

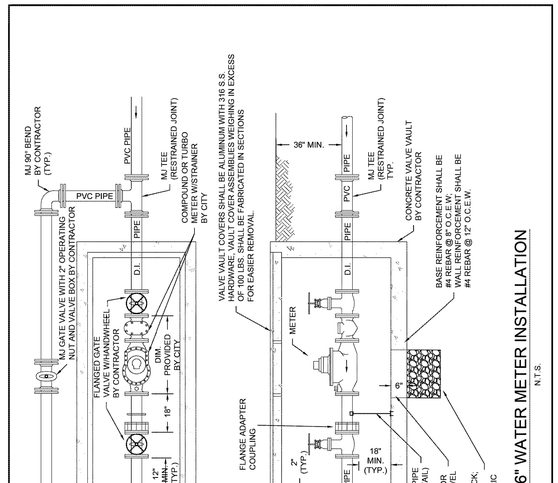
	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2018 SCALE : NTS
	TAPPING SLEEVE AND VALVE BLOCKING	FIGURE : G-24



3" WATER METER INSTALLTION

N.T.S.

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2022 SCALE : NTS
	3" WATER METER INSTALLATION	FIGURE : PW-10



4" - 6" WATER METER INSTALLTION

N.T.S.

	PANAMA CITY, FLORIDA STANDARD DETAILS	DATE : MARCH 2022 SCALE : NTS
	4" - 6" WATER METER INSTALLATION	FIGURE : PW-11

DAG
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100% CONSTRUCTION DOCUMENTS

NOT FOR CONSTRUCTION

(FOR REVIEW AND FINAL COORDINATION)

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

CONSTRUCTION DETAILS

Project Number	133407
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C9

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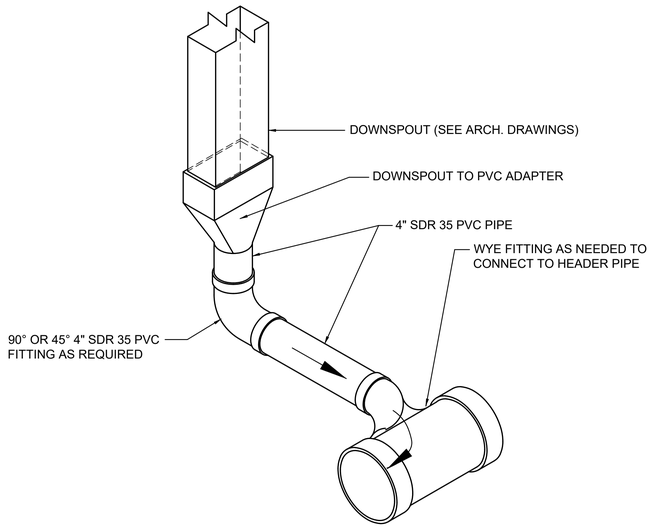
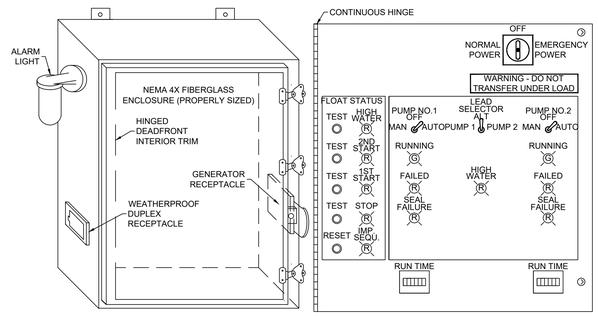
22019
PROJECT STATUS
Issue Date



DOWNSPOUT CONNECTION DETAIL

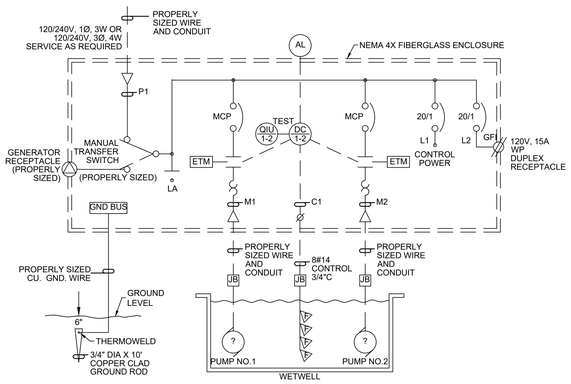
NOT TO SCALE



PHYSICAL LAYOUT

DUPLEX GRINDER LIFT STATION CONTROL PANEL DEADFRONT DETAIL

- CONTROL PANEL SHALL BE EQUIPPED WITH A FLASHING RED LIGHT WITH LONG LIFE BULB IN GUARDED ENCLOSURE AND 6" DIA. HORN.
- HORN SHALL EMIT 120 DB AT 10'.
- ALARM HORN AND LIGHT SHALL BE POWERED FROM 12V DC POWER SUPPLY WITH BATTERY BACK-UP.
- PROVIDE A RECHARGEABLE BATTERY RATED TO POWER BOTH THE HORN AND LIGHT FOR A MINIMUM OF TWO HOURS UPON LOSS OF MAIN POWER.
- PROVIDE CIRCUITRY TO AUTOMATICALLY RECHARGE THE BATTERY AFTER MAIN POWER IS RESTORED.
- FULL CHARGE OF THE BATTERY SHALL TAKE NO MORE THAN TWENTY HOURS.
- PANEL SHALL HAVE POWER ON LIGHT, PUSH TO TEST BUTTON FOR HORN AND LIGHT AND PUSH TO SILENCE BUTTONS FOR HORN AND LIGHT WITH AUTOMATIC RESET FOR NEXT ALARM.
- ALARM SHALL ACTIVATE UNDER THE FOLLOWING CONDITIONS:
  - A. HIGH LIQUID LEVEL AS SENSED BY FLOAT SWITCH
  - B. LOSS OF MAIN POWER



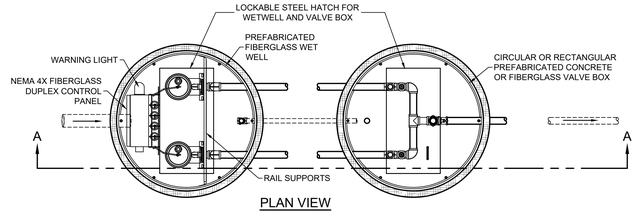
240 VOLT DUPLEX GRINDER LIFT STATION CONTROL PANEL ONE LINE POWER DIAGRAM AND PROCESS AND INSTRUMENTATION DIAGRAM (P&ID)

LEGEND

	LIGHTNING ARRESTOR -	SEE COMPONENT SPECIFICATIONS
DC	DUPLEX CONTROLLER -	SEE COMPONENT SPECIFICATIONS
QIU	FLOAT TEST/IMPROPER SEQUENCE MODULE -	SEE COMPONENT SPECIFICATIONS
ETM	ELAPSED TIME METER -	SEE COMPONENT SPECIFICATIONS
AL	OUTSIDE ALARM LIGHT -	SEE COMPONENT SPECIFICATIONS
	FLOAT SWITCH -	SEE COMPONENT SPECIFICATIONS

DIRECT MOUNT CONTROL PANEL

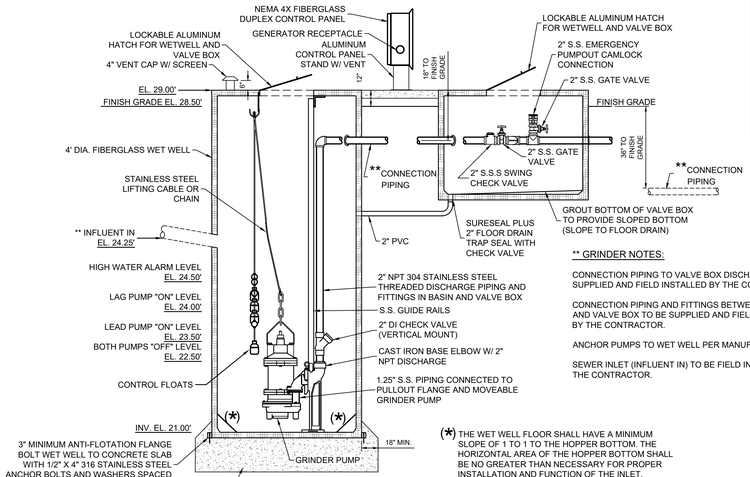
NOT TO SCALE



PLAN VIEW

PUMP INFORMATION	
TYPE:	DUPLEX GRINDER
VOLTAGE:	208
PHASE:	3
HP :	2.0 HP
GPM:	50.0 GPM
THD:	9.2 TDH

NOTE:
ELECTRICAL SERVICE (VOLTAGE AND PHASE) MUST BE VERIFIED PRIOR TO ORDERING EQUIPMENT.
PUMP TO BE LIBERTY LSG203M OR APPROVED ALTERNATIVE



** GRINDER NOTES:

CONNECTION PIPING TO VALVE BOX DISCHARGE TO BE SUPPLIED AND FIELD INSTALLED BY THE CONTRACTOR.

CONNECTION PIPING AND FITTINGS BETWEEN THE BASIN AND VALVE BOX TO BE SUPPLIED AND FIELD INSTALLED BY THE CONTRACTOR.

ANCHOR PUMPS TO WET WELL PER MANUFACTURES REQ.

SEWER INLET (INFLUENT IN) TO BE FIELD INSTALLED BY THE CONTRACTOR.

(*) THE WET WELL FLOOR SHALL HAVE A MINIMUM SLOPE OF 1 TO 1 TO THE HOPPER BOTTOM. THE HORIZONTAL AREA OF THE HOPPER BOTTOM SHALL BE NO GREATER THAN NECESSARY FOR PROPER INSTALLATION AND FUNCTION OF THE INLET.

SECTION A-A

DUPLEX GRINDER LIFT STATION PACKAGE WITH DIRECT MOUNT CONTROL PANEL

NOT TO SCALE

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PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

CONSTRUCTION DETAILS

Project Number	**133407**
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C10

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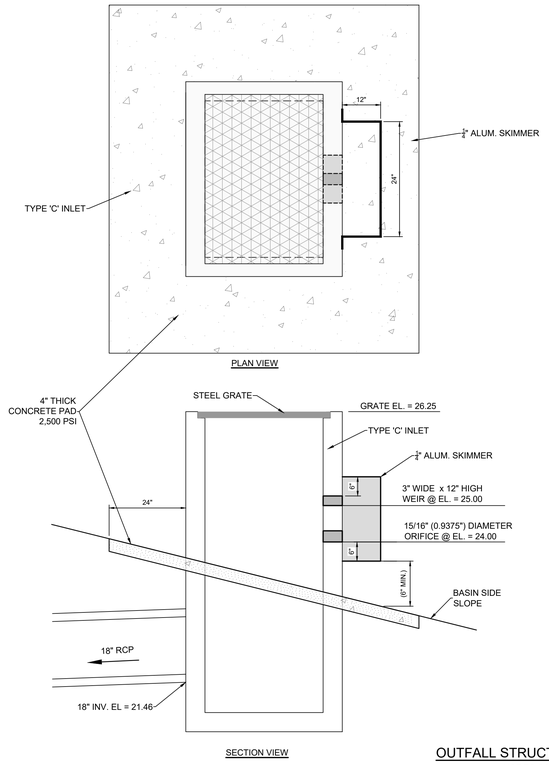
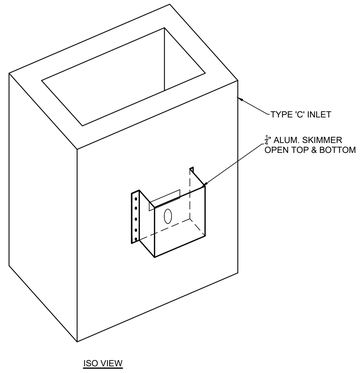
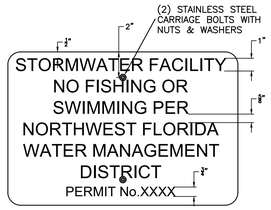
22019 PROJECT STATUS Issue Date

20040 DESIGN DEVELOPMENT Issue Date

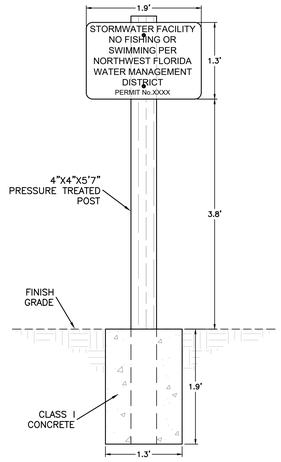


OUTFALL STRUCTURE DETAIL
NOT TO SCALE

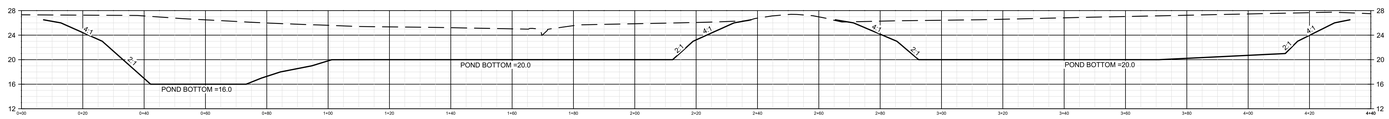




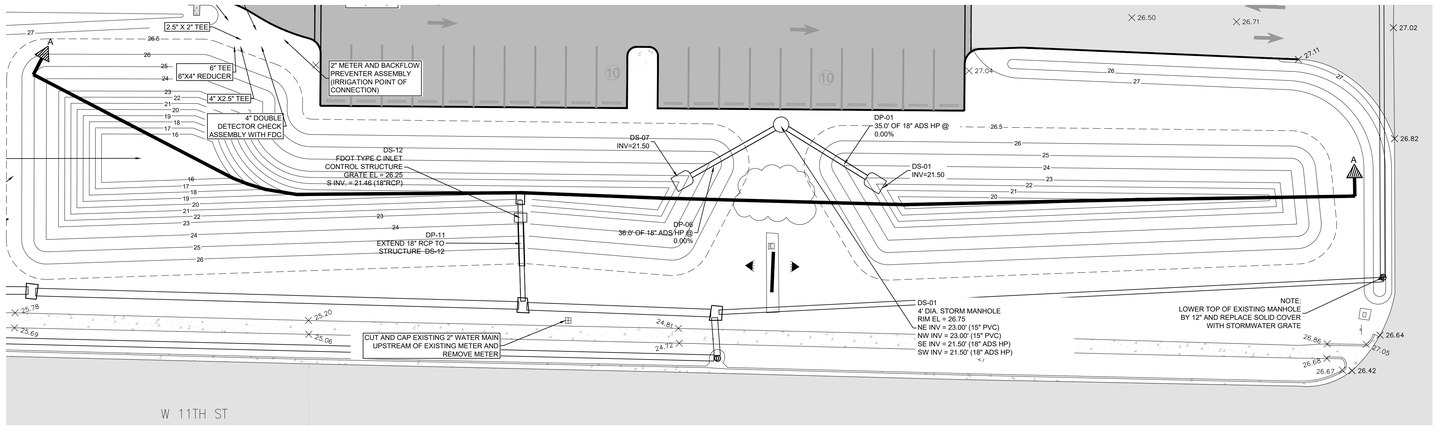
INSTALL WET DETENTION SIGNS IN LOCATIONS AS INDICATED IN PLAN VIEW



WET DETENTION SIGN DETAIL
NOT TO SCALE



DETENTION BASIN SECTION A-A
SCALES: 1" = 20' HORIZ., 1" = 10' VERT.



DETENTION BASIN PLAN VIEW
SCALE: 1" = 20'

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

STORMWATER FACILITY DETAILS

Project Number	**133407**
Dated	12/15/2024
Drawn By	JNF
Approved By	JDC
PM	JDC

C11

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600 Ohio Avenue Lynn Haven, Florida 32444
(850)763-5200 Fax (850)763-5200 www.panhandleengineering.com

PROJECT STATUS
22019
Issue Date

SITE DESCRIPTION

PROJECT NAME AND LOCATION: **PALM BAY CHARTER ACADEMY GYMATORIUM**
1104 BALBOA AVENUE
PANAMA CITY, FLORIDA 32401
LAT 30°10'12" ~ LON 85°10'12"
SECTION TOWNSHIP RANGE ~ 5-4S-14W

DEVELOPER NAME AND ADDRESS: **PALM BAY EDUCATION GROUP, INC.**
1104 BALBOA AVENUE
PANAMA CITY, FLORIDA 32401

DESCRIPTION: **PALM BAY CHARTER ACADEMY GYMATORIUM**

SOIL DISTURBING ACTIVITIES WILL INCLUDE:
CLEARING AND GRUBBING, EARTHWORK, PAVEMENT AND GRADING, STORM WATER AND UTILITIES.

RUNOFF COEFFICIENTS:

1.	PRE-CONSTRUCTION	C= 0.53
2.	DURING CONSTRUCTION	C= 0.60
3.	POST-CONSTRUCTION	C= 0.67

SOILS:
SEE SOIL BORING REPORT FOR SOILS DATA

SITE MAPS:
* SEE ATTACHED GRADING FOR PRE & POST DEVELOPMENT GRADES, AREAS OF SOILS DISTURBANCE, LOCATION OF SURFACE WATERS, WETLANDS, PROTECTED AREAS, MAJOR STRUCTURAL AND NONSTRUCTURAL CONTROLS AND STORMWATER DISCHARGE POINTS.

* SEE ATTACHED EROSION AND TURBIDITY CONTROL PLAN FOR LOCATION OF TEMPORARY STABILIZATION PRACTICES AND TURBIDITY BARRIERS.

* SEE GRADING NOTES FOR REQUIREMENTS FOR TEMPORARY AND PERMANENT STABILIZATION.

SITE AREA:
1.) TOTAL AREA OF SITE = **17.4± ACRES**
2.) TOTAL AREA TO BE DISTURBED = **APPROX. 1.8± ACRES**

NAME OF RECEIVING WATERS: **11TH STREET DRAINAGE SYSTEM**

CONTROLS

THIS PLAN UTILIZES BEST MANAGEMENT PRACTICES TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. AN EROSION AND TURBIDITY PLAN HAS BEEN PREPARED TO INSTRUCT THE CONTRACTOR ON PLACEMENT OF THESE CONTROLS. IT IS THE CONTRACTORS RESPONSIBILITY TO INSTALL AND MAINTAIN THE CONTROLS PER PLAN AS WELL AS ENSURING THAT PLAN IS PROVIDING THE PROPER PROTECTION AS REQUIRED BY FEDERAL, STATE AND LOCAL LAWS. REFER TO "CONTRACTORS RESPONSIBILITY" FOR A VERBAL DESCRIPTION OF THE CONTROLS THAT MAY BE IMPLEMENTED.

STORM WATER MANAGEMENT
STORM WATER DRAINAGE WILL BE PROVIDED BY: ONSITE COLLECTION & ATTENUATION

ONSITE IMPROVEMENTS
SEE SITE, GRADING & DRAINAGE AND UTILITY PLANS.

TIMING OF CONTROLS/MEASURES

REFER TO "CONTRACTORS RESPONSIBILITY" FOR THE TIMING OF CONTROL/MEASURES.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

CONTROL/MEASURES.
IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL LAWS RELATED TO STORM WATER MANAGEMENT AND EROSION AND TURBIDITY CONTROLS, THE FOLLOWING PERMITS HAVE BEEN OBTAINED.

NWFWMD ENVIRONMENTAL RESOURCE PERMIT PENDING

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____
NAME (OPERATOR AND/OR RESPONSIBLE AUTHORITY)

DATED: _____

GENERAL

THE CONTRACTOR SHALL AT A MINIMUM IMPLEMENT THE CONTRACTOR'S REQUIREMENTS OUTLINED BELOW AND THOSE MEASURES SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IN ADDITION THE CONTRACTOR SHALL UNDERTAKE ADDITIONAL MEASURES REQUIRED TO BE IN COMPLIANCE WITH APPLICABLE PERMIT CONDITIONS AND STATE WATER QUALITY STANDARDS, DEPENDING ON THE NATURE OF MATERIALS AND METHODS OF CONSTRUCTION THE CONTRACTOR MAY BE REQUIRED TO ADD FLOCCULANTS TO THE RETENTION SYSTEM PRIOR TO PLACING THE SYSTEM INTO OPERATION.

SEQUENCE OF MAJOR ACTIVITIES:

THE ORDER OF ACTIVITIES WILL BE AS FOLLOWS:

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
2. INSTALL SILT FENCES AND HAY BALES, AS REQUIRED.
3. CONSTRUCT SEDIMENTATION BASIN.
4. CLEAR AND GRUB FOR DIVERSION SWALES/DIKES AND SEDIMENT BASIN AT PERMANENT POND LOCATION.
5. CONTINUE CLEARING AND GRUBBING.
6. STOCKPILE TOP SOIL IF REQUIRED.
7. PERFORM PRELIMINARY GRADING ONSITE, AS REQUIRED.
8. STABILIZE DENUDED AREA AND STOCKPILES AS SOON AS PRACTICABLE.
9. INSTALL UTILITIES, STORM SEWER, CURBS AND GUTTER.
10. APPLY BASE TO PROJECT.
11. COMPLETE GRADING AND INSTALL PERMANENT SEEDING/SOD AND PLANTING.
12. COMPLETE FINAL PAVING.
13. REMOVE ACCUMULATED SEDIMENT FROM BASINS.
14. WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE IS STABILIZED, REMOVE ANY TEMPORARY DIVERSION SWALES/DIKES AND RESEED/ SOD, AS REQUIRED.

TIMING OF CONTROLS/MEASURES

AS INDICATED IN THE SEQUENCE OF MAJOR ACTIVITIES, THE SILT FENCES AND HAY BALES, STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT BASIN WILL BE CONSTRUCTED PRIOR TO CLEARING OR GRADING OF ANY OTHER PORTIONS OF THE SITE. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED. ONCE CONSTRUCTION ACTIVITY CEASES PERMANENTLY IN AN AREA, THAT AREA WILL BE STABILIZED PERMANENTLY IN ACCORDANCE WITH THE PLANS. AFTER THE ENTIRE SITE IS STABILIZED, THE ACCUMULATED SEDIMENT WILL BE REMOVED FROM THE SEDIMENT TRAPS AND THE EARTH DIKE/SWALES WILL BE REGRADED/REMOVED AND STABILIZED IN ACCORDANCE WITH THE EROSION AND TURBIDITY CONTROL PLAN.

ENDANGERED SPECIES AND CRITICAL HABITAT

1. ARE THERE ENDANGERED SPECIES ON SITE?
2. ARE THERE CRITICAL HABITAT ON SITE?

IF YES TO EITHER QUESTION, PLEASE EXPLAIN:

-

CONTROLS

IT IS THE CONTRACTORS RESPONSIBILITY TO IMPLEMENT THE EROSION AND TURBIDITY CONTROLS AS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN. IT IS ALSO THE CONTRACTORS RESPONSIBILITY TO ENSURE THESE CONTROLS ARE PROPERLY INSTALLED, MAINTAINED AND FUNCTIONING PROPERLY TO PREVENT TURBID OR POLLUTED WATER FROM LEAVING THE PROJECT SITE. THE CONTRACTOR WILL ADJUST THE EROSION AND TURBIDITY CONTROLS SHOWN ON THE EROSION AND TURBIDITY CONTROL PLAN AND ADD ADDITIONAL CONTROL MEASURES, AS REQUIRED, TO ENSURE THE SITE MEETS ALL FEDERAL, STATE AND LOCAL EROSION AND TURBIDITY CONTROL REQUIREMENTS. THE FOLLOWING BEST MANAGEMENT PRACTICES WILL BE IMPLEMENTED BY THE CONTRACTOR AS REQUIRED BY THE EROSION AND TURBIDITY CONTROL PLAN AND AS REQUIRED TO MEET THE EROSION AND TURBIDITY REQUIREMENTS IMPOSED ON THE PROJECT SITE BY THE REGULATORY AGENCIES.

EROSION AND SEDIMENT CONTROLS
STABILIZATION PRACTICES

1. HAY BALE BARRIER: HAY BALE BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:

A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
B. IN MINOR SWALES OR DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.
C. WHERE EFFECTIVENESS IS REQUIRED FOR LESS THAN 3 MONTHS.
D. EVERY EFFORT SHOULD BE MADE TO LIMIT THE USE OF STRAW BALE BARRIERS CONSTRUCTED IN LIVE STREAMS OR IN SWALES WHERE THERE IS THE POSSIBILITY OF A WASHOUT. IF NECESSARY, MEASURES SHALL BE TAKEN TO PROPERLY ANCHOR BALES TO ENSURE AGAINST WASHOUT.

REFER TO EROSION CONTROL DETAILS FOR CONSTRUCTING THE HAY BALE BARRIER. ALSO REFER TO THE EROSION CONTROL PLAN FOR PROPER LOCATION.

2. FILTER FABRIC BARRIER: FILTER FABRIC BARRIERS CAN BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WITH THE FOLLOWING LIMITATIONS:

A. WHERE THE MAXIMUM SLOPE BEHIND THE BARRIER IS 33 PERCENT.
B. IN MINOR SWALES OF DITCH LINES WHERE THE MAXIMUM CONTRIBUTING DRAINAGE AREA IS NO GREATER THAN 2 ACRES.

REFER TO THE EROSION CONTROL DETAILS FOR PROPER CONSTRUCTION OF THE FILTER FABRIC BARRIER.

3. BRUSH BARRIER WITH FILTER FABRIC: BRUSH BARRIER MAY BE USED BELOW DISTURBED AREAS SUBJECT TO SHEET AND RILL EROSION WHERE ENOUGH RESIDUE MATERIAL IS AVAILABLE ON SITE.

4. LEVEL SPREADER: A LEVEL SPREADER MAY BE USED WHERE SEDIMENT-FREE STORM RUNOFF IS INTERCEPTED AND DIVERTED AWAY FROM THE GRADED AREAS ONTO UNDISTURBED STABILIZED AREAS. THIS PRACTICE APPLIES ONLY IN THOSE SITUATIONS WHERE THE SPREADER CAN BE CONSTRUCTED ON UNDISTURBED SOIL AND THE AREA BELOW THE LEVEL LIP IS STABILIZED. THE WATER SHOULD NOT BE ALLOWED TO RECONCENTRATE AFTER RELEASE.

5. STOCKPILING MATERIAL: NO EXCAVATED MATERIAL SHOULD BE STOCKPILED IN SUCH A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE INTO ANY ADJACENT WATER BODY OR STORM WATER COLLECTION FACILITY.

6. EXPOSED AREA LIMITATION: THE SURFACE AREA OF OPEN, RAW ERODIBLE SOIL EXPOSED BY CLEARING AND GRUBBING OPERATIONS OR EXCAVATION AND FILLING OPERATIONS SHALL BE MINIMIZED.

7. INLET PROTECTION: INLETS AND CATCH-BASINS WHICH DISCHARGE DIRECTLY OFF-SITE SHALL BE PROTECTED FORM SEDIMENT-LADEN STORM RUNOFF UNTIL THE COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CONTRIBUTE SEDIMENT TO THE INLET.

8. DUST CONTROL: AREAS OPENED BY CONSTRUCTION OPERATIONS AND THAT ARE NOT ANTICIPATED TO BE RE-EXCAVATED OR DRESSED AND RECEIVE FINAL TREATMENT WITHIN 30 DAYS SHALL BE STABILIZED.

9. TEMPORARY SEEDING AND MULCHING: SLOPES STEEPER THAN 6:1 THAT FALL WITHIN THE CATEGORY ESTABLISHED IN PARAGRAPH 8 ABOVE SHALL ADDITIONALLY RECEIVE MULCHING OF APPROXIMATELY 2 INCHES LOOSE MEASURE OF MULCH MATERIAL CUT INTO THE SOIL OF THE SEEDED AREA ADEQUATE TO PREVENT MOVEMENT OF SEED AND MULCH.

10. TEMPORARY GRASSING: THE SEEDED OR SEEDED AND MULCHED AREA(S) SHALL BE ROLLED AND WATERED OR HYDROMULCHED OR OTHER SUITABLE METHODS IF REQUIRED TO ASSURE OPTIMUM GROWING CONDITIONS FOR THE ESTABLISHMENT OF A GOOD GRASS COVER. TEMPORARY GRASSING SHALL BE THE SAME MIX AND AMOUNT REQUIRED FOR PERMANENT GRASSING IN THE CONTRACT SPECIFICATIONS.

11. TEMPORARY REGRASSING: IF, AFTER 14 DAYS FROM SEEDING, THE TEMPORARY GRASSED AREAS HAVE NOT ATTAINED A MINIMUM 75 PERCENT GOOD GRASS COVER, THE AREA WILL BE REWORKED AND ADDITIONAL SEED APPLIED SUFFICIENT TO ESTABLISH THE DESIRED VEGETATIVE COVER.

12. MAINTENANCE: ALL FEATURES OF THE PROJECT DESIGNED AND CONSTRUCTED TO PREVENT EROSION AND SEDIMENT SHALL BE MAINTAINED DURING THE LIFE OF THE CONSTRUCTION SO AS TO FUNCTION AS THEY WERE ORIGINALLY DESIGNED AND CONSTRUCTED.

13. PERMANENT EROSION CONTROL: THE EROSION CONTROL FACILITIES OF THE PROJECT SHOULD BE DESIGNED TO MINIMIZE THE IMPACT ON THE OFFSITE FACILITIES.

14. PERMANENT SEEDING: ALL AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION WILL, AS A MINIMUM, BE SEEDED. THE SEEDING MIX MUST PROVIDE BOTH LONG-TERM VEGETATION AND RAPID GROWTH SEASONAL VEGETATION. SLOPES STEEPER THAN 4:1 SHALL BE SEEDED AND MULCHED OR SODDED.

STRUCTURAL PRACTICES

1. TEMPORARY DIVERSION DIKE: TEMPORARY DIVERSION DIKES MAY BE USED TO DIVERT RUNOFF THROUGH A SEDIMENT-TRAPPING FACILITY.

2. TEMPORARY SEDIMENT TRAP: A SEDIMENT TRAP SHALL BE INSTALLED IN A DRAINAGEWAY AT A STORM DRAIN INLET OR AT OTHER POINTS OF DISCHARGE FROM A DISTURBED AREA.

THE FOLLOWING SEDIMENT TRAPS MAY BE CONSTRUCTED EITHER INDEPENDENTLY OR IN CONJUNCTION WITH A TEMPORARY DIVERSION DIKE:

A. BLOCK AND GRAVEL SEDIMENT FILTER – THIS PROTECTION IS APPLICABLE WHERE HEAVY FLOWS AND/OR WHERE AN OVERFLOW CAPACITY IS NECESSARY TO PREVENT EXCESSIVE PONDING AROUND THE STRUCTURE.

B. GRAVEL SEDIMENT TRAP – THIS PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED AREAS.

C. DROP INLET SEDIMENT TRAP – THIS PROTECTION IS APPLICABLE WHERE THE INLET DRAINS A RELATIVELY FLAT AREA (S<0.50%) AND WHERE SHEET OR OVERLAND FLOWS (Q<0.50CFS) ARE TYPICAL. THIS METHOD SHALL NOT APPLY TO INLETS RECEIVING CONCENTRATED FLOWS SUCH AS IN STREET OR HIGHWAY MEDIANS.

3. OUTLET PROTECTION: APPLICABLE TO THE OUTLETS OF ALL PIPES AND PAVED CHANNEL SECTIONS WHERE THE FLOW COULD CAUSE EROSION AND SEDIMENT PROBLEMS TO THE RECEIVING WATER BODY. SILT FENCES AND HAY BALES ARE TO BE INSTALLED IMMEDIATELY DOWNSTREAM OF THE DISCHARGING STRUCTURE AS SHOWN ON THE OUTLET PROTECTION DETAIL.

4. SEDIMENT BASIN: WILL BE CONSTRUCTED AT THE COMMON DRAINAGE LOCATIONS, THE PROPOSED STORM WATER PONDS (OR TEMPORARY PONDS) WILL BE CONSTRUCTED FOR USE AS SEDIMENT BASINS. THESE SEDIMENT BASINS MUST PROVIDE A MINIMUM OF 67 CUBIC YARDS OF STORAGE PER ACRE DRAINED UNTIL FINAL STABILIZATION OF THE SITE. THE VOLUME OF THE BASIN AT CLEAN OUT SHALL BE 22 CUBIC YARDS PER ACRE.

THE 67 CUBIC YARDS OF STORAGE AREA PER ACRE DRAINED DOES NOT APPLY TO FLOWS FROM OFFSITE AREAS AND FLOWS FROM ONSITE AREAS THAT ARE EITHER UNDISTURBED OR HAVE UNDERGONE FINAL STABILIZATION WHERE SUCH FLOWS ARE DIVERTED AROUND BOTH THE DISTURBED AREA AND THE SEDIMENT BASIN. ANY TEMPORARY SEDIMENT BASINS CONSTRUCTED MUST BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE SPECIFICATIONS FOR STRUCTURAL FILL. ALL SEDIMENT COLLECTED IN PERMANENT OR TEMPORARY SEDIMENT TRAPS MUST BE REMOVED UPON FINAL STABILIZATION.

OTHER CONTROLS

WASTE DISPOSAL

WASTE MATERIALS

ALL WASTE MATERIALS EXCEPT LAND CLEARING DEBRIS SHALL BE COLLECTED AND STORED IN A SECURELY LIDDED METAL DUMPSTER. THE DUMPSTER WILL MEET ALL LOCAL AND STATE SOLID WASTE MANAGEMENT REGULATIONS. THE DUMPSTER WILL BE EMPTIED AS NEEDED AND THE TRASH WILL BE HAULED TO A STATE APPROVED LANDFILL. ALL PERSONNEL WILL BE INSTRUCTED REGARDING THE CORRECT PROCEDURE FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES WILL BE POSTED AT THE CONSTRUCTION SITE BY THE CONSTRUCTION SUPERINTENDENT. THE INDIVIDUAL WHO MANAGES THE DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.

HAZARDOUS WASTE

ALL HAZARDOUS WASTE MATERIALS WILL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER. SITE PERSONNEL WILL BE INSTRUCTED IN THESE PRACTICES AND THE SITE SUPERINTENDENT, THE INDIVIDUAL WHO MANAGES DAY-TO-DAY SITE OPERATIONS, WILL BE RESPONSIBLE FOR SEEING THAT THESE PRACTICES ARE FOLLOWED.

SANITARY WASTE

ALL SANITARY WASTE WILL BE COLLECTED FROM THAT PORTABLE UNITS AS NEEDED TO PREVENT POSSIBLE SPILLAGE. THE WASTE WILL BE COLLECTED AND DEPOSED OF IN ACCORDANCE WITH STATE AND LOCAL WASTE DISPOSAL REGULATIONS FOR SANITARY SEWER OR SEPTIC SYSTEMS.

OFFSITE VEHICLE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE WILL BE PROVIDED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. THE PAVED STREET ADJACENT TO THE SITE ENTRANCE WILL BE SWEPT AS NEEDED TO REMOVE ANY EXCESS MUD, DIRT OR ROCK TRACKED FROM THE SITE. DUMP TRUCKS HAULING MATERIAL FROM THE CONSTRUCTION SITE WILL BE COVERED WITH THE TARPAULIN.

INVENTORY FOR POLLUTION PREVENTION PLAN

THE MATERIALS OR SUBSTANCES LISTED BELOW ARE EXPECTED TO BE PRESENT ONSITE DURING CONSTRUCTION:

- ☐ Concrete
- ☐ Asphalt
- ☐
- ☐ Detergents
- ☐
- ☐ Fertilizers
- ☐ Petroleum Based Products
- ☐ Cleaning Solvents
- ☐ Paints
- ☐
- ☐ Wood
- ☐ Masonry Blocks
- ☐ Roofing Materials
- ☐ Metal Studs
- ☐

SPILL PREVENTION

MATERIAL MANAGEMENT PRACTICES

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

THE FOLLOWING GOOD HOUSEKEEPING PRACTICES WILL BE FOLLOWED ONSITE DURING THE CONSTRUCTION PROJECT.

* AN EFFORT WILL BE MADE TO STORE ONLY ENOUGH PRODUCT REQUIRED TO DO THE JOB.
* ALL MATERIALS STORED ONSITE WILL BE STORED IN A NEAT, ORDERLY MANNER IN THEIR APPROPRIATE CONTAINERS AND, IF POSSIBLE, UNDER A ROOF OR OTHER ENCLOSURE.
* PRODUCTS WILL BE KEPT IN THEIR ORIGINAL CONTAINERS WITH THE ORIGINAL MANUFACTURER'S LABEL.
* SUBSTANCES WILL NOT BE MIXED WITH ONE ANOTHER UNLESS RECOMMENDED BY THE MANUFACTURER.
* WHENEVER POSSIBLE, ALL OF A PRODUCT WILL BE USED UP BEFORE DISPOSING OF THE CONTAINER.
* MANUFACTURER'S RECOMMENDATIONS FOR PROPER USE AND DISPOSAL WILL BE FOLLOWED.
* THE SITE SUPERINTENDENT WILL INSPECT DAILY TO ENSURE MATERIALS ONSITE RECEIVE PROPER USE AND DISPOSAL.

HAZARDOUS PRODUCTS

THESE PRACTICES ARE USED TO REDUCE THE RISKS ASSOCIATED WITH HAZARDOUS MATERIALS.

* PRODUCTS WILL BE KEPT IS ORIGINAL CONTAINERS UNLESS THEY ARE NOT RESEALABLE.
* ORIGINAL LABELS AND MATERIAL SAFETY DATA WILL BE RETAINED; THEY CONTAIN IMPORTANT PRODUCT INFORMATION.
* IF SURPLUS PRODUCT MUST BE DISPOSED OF, MANUFACTURER'S OR LOCAL AND STATE RECOMMENDED METHODS FOR PROPER DISPOSAL WILL BE FOLLOWED.

PRODUCT SPECIFIC PRACTICES

THE FOLLOWING PRODUCT SPECIFIC PRACTICES WILL BE FOLLOWED ONSITE:

PETROLEUM PRODUCTS

ALL ONSITE VEHICLES WILL BE MONITORED FOR LEAKS AND RECEIVE REGULAR PREVENTIVE MAINTENANCE TO REDUCE THE CHANCE OF LEAKAGE. PETROLEUM PRODUCTS WILL BE STORED IN TIGHTLY SEALED CONTAINERS WHICH ARE CLEARLY LABELED. ANY ASPHALT SUBSTANCES USED ONSITE WILL BE APPLIED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

FERTILIZERS

FERTILIZERS USED WILL BE APPLIED ONLY IN THE MINIMUM AMOUNTS RECOMMENDED BY THE MANUFACTURER. ONCE APPLIED, FERTILIZER WILL BE WORKED INTO THE SOIL TO LIMIT EXPOSURE TO STORM WATER. STORAGE WILL BE IN A COVERED AREA. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER WILL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

PAINTS

ALL CONTAINERS WILL BE TIGHTLY SEALED AND STORED WHEN NOT REQUIRED FOR USE. EXCESS PAINT WILL NOT BE DISCHARGED TO THE STORM SEWER SYSTEM BUT WILL BE PROPERLY DISPOSED OF ACCORDING TO MANUFACTURER'S INSTRUCTIONS OR STATE AND LOCAL REGULATIONS.

CONCRETE TRUCKS

CONCRETE TRUCKS WILL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES WILL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

MANUFACTURER'S RECOMMENDED METHODS FOR SPILL CLEANUP WILL BE CLEARLY POSTED ON SITE AND SITE PERSONNEL WILL BE MADE AWARE OF THE PROCEDURES AND THE LOCATION OF THE INFORMATION AND CLEANUP SUPPLIES.

MATERIALS AND EQUIPMENT NECESSARY FOR SPILL CLEANUP WILL BE KEPT IN THE MATERIAL STORAGE AREA ONSITE. EQUIPMENT AND MATERIALS WILL INCLUDE BUT NOT BE LIMITED TO BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, LIQUID ABSORBENT (i.e.:KITTY LITTER OR EQUAL), SAND, SAWDUST, AND PLASTIC AND METAL TRASH CONTAINERS SPECIFICALLY FOR THIS PURPOSE.

ALL SPILLS WILL BE CLEANED UP IMMEDIATELY AFTER DISCOVERY.

THE SPILL AREA WILL BE KEPT WILL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.

SPILL OF TOXIC OR HAZARDOUS MATERIAL WILL BE REPORTED TO THE APPROPRIATE STATE OR LOCAL GOVERNMENT AGENCY, REGARDLESS OF THE SIZE OF THE SPILL.

THE SPILL PREVENTION PLAN WILL BE ADJUSTED TO INCLUDE MEASURES TO PREVENT THIS TYPE OF SPILL FROM REOCCURRING AND HOW TO CLEAN UP THE SPILL IF THERE IS ANOTHER ONE. A DESCRIPTION OF THE SPILL, WHAT CAUSED IT, AND THE CLEANUP MEASURES WILL ALSO BE INCLUDED.

THE SITE SUPERINTENDENT RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATIONS, WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. HE/SHE WILL DESIGNATE AT LEAST ONE OTHER SITE PERSONNEL WHO WILL REVIEW SPILL PREVENTION AND CLEANUP TRAINING. THESE INDIVIDUALS WILL EACH BECOME RESPONSIBLE FOR A PARTICULAR PHASE OF PREVENTION AND CLEANUP. THE NAMES OF RESPONSIBLE SPILL PERSONNEL WILL BE POSTED IN THE MATERIAL STORAGE AREA AND IF APPLICABLE, IN THE OFFICE TRAILER ONSITE.

MAINTENANCE/INSPECTION PROCEDURES

EROSION AND SEDIMENT CONTROL INSPECTION AND MAINTENANCE PRACTICES

THE FOLLOWING ARE INSPECTION AND MAINTENANCE PRACTICES THAT WILL BE USED TO MAINTAIN EROSION AND SEDIMENT CONTROLS.

* NO MORE THAN 10 ACRES OF THE SITE WILL BE DENUDED AT ONE TIME WITHOUT WRITTEN PERMISSION FROM THE ENGINEER.
* ALL CONTROL MEASURES WILL BE INSPECTED BY THE SUPERINTENDENT, THE PERSON RESPONSIBLE FOR THE DAY-TO-DAY SITE OPERATION OF SOMEONE APPOINTED BY THE SUPERINTENDENT, AT LEAST ONCE A WEEK AND FOLLOWING ANY STORM EVENT OF 0.25 INCHES OR GREATER.
* ALL TURBIDITY CONTROL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
* BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE FENCE.
* SILT FENCE WILL BE INSPECTED FOR DEPTH OF SEDIMENT, TEARS, TO SEE IF THE FABRIC IS SECURELY ATTACHED TO THE FENCE POSTS, AND TO SEE THAT THE FENCE POSTS ARE FIRMLY IN THE GROUND.
* THE SEDIMENT BASINS WILL BE INSPECTED FOR THE DEPTH OF SEDIMENT, AND BUILT UP SEDIMENT WILL BE REMOVED WHEN IT REACHES 10 PERCENT OF THE DESIGN CAPACITY OR AT THE END OF THE JOB, WHICHEVER COMES FIRST.
* DIVERSION DIKES/SWALES WILL BE INSPECTED AND ANY BREACHES PROMPTLY REPAIRED. * TEMPORARY AND PERMANENT SEEDING AND PLANTING WILL BE INSPECTED FOR BARE SPOTS, WASHOUTS, AND HEALTHY GROWTH.
* A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. A COPY OF THE REPORT FORM TO BE COMPLETED BY THE INSPECTOR IS ATTACHED. THE REPORTS WILL BE KEPT ON SITE DURING CONSTRUCTION AND AVAILABLE UPON REQUEST TO THE OWNER, ENGINEER OR ANY FEDERAL, STATE OR LOCAL AGENCY APPROVING SEDIMENT AND EROSION PLANS, OR STORM WATER MANAGEMENT PLANS. THE REPORTS SHALL BE MADE AND RETAINED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED AND THE NOTICE OF TERMINATION IS SUBMITTED THE REPORTS SHALL IDENTIFY ANY INCIDENTS OF NON-COMPLIANCE.
* THE SITE SUPERINTENDENT WILL SELECT UP TO THREE INDIVIDUALS WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES, AND FILLING OUT THE INSPECTION AND MAINTENANCE REPORT.
* PERSONNEL SELECTED FOR INSPECTION AND MAINTENANCE RESPONSIBILITIES WILL RECEIVE TRAINING FROM THE SITE SUPERINTENDENT. THEY WILL BE TRAINED IN ALL THE INSPECTION AND MAINTENANCE PRACTICES NECESSARY FOR KEEPING THE EROSION AND SEDIMENT CONTROLS USED ONSITE IN GOOD WORKING ORDER.

NON-STORM WATER DISCHARGES

IT IS EXPECTED THAT THE FOLLOWING NON-STORM WATER DISCHARGES WILL OCCUR FROM THE SITE DURING THE CONSTRUCTION PERIOD:

* WATER FROM WATER LINE FLUSHING.
* PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).
* UNCONTAMINATED GROUNDWATER (FROM DEWATERING EXCAVATION).

ALL NON-STORM WATER DISCHARGES WILL BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE.

FOR NON-STORM WATER DISCHARGES REFER TO THE DEP GENERIC PERMIT FOR DISCHARGE OF NON-CONTAMINATED PRODUCED GROUND WATER.
(http://www.dep.state.fl.us/legal/rules/shared/62-621(2).doc)

CONTRACTOR'S CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND AND SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERAL PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

NAME	TITLE	COMPANY ADDRESS AND PHONE NUMBER	DATE

NOTE TO CONTRACTOR:

THIS IS THE CONTRACTORS CERTIFICATION REQUIRED BY THE STATE OF FLORIDA NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES), GENERIC PERMIT FOR STORMWATER DISCHARGE FOR CONSTRUCTION SITES OVER 1 ACRES. THIS CERTIFICATION MUST BE COMPLETED WEEKLY AND AFTER EVERY RAINFALL EVENT OVER 0.25 INCHES. IT IS SUGGESTED THAT THIS SHEET BE REMOVED FROM THE PLAN SET AND DUPLICATED AS NEEDED BY THE CONTRACTOR. MORE INFORMATION MAY BE OBTAINED AT **WWW.DEP.STATE.FL.US/WATER/STORMWATER/NPDES**

PROJECT:

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
TO BE COMPLETED EVERY 7 DAYS AND WITHIN 24 HOURS
OF A RAINFALL EVENT OF 0.25 INCHES OR MORE

INSPECTOR:_____ DATE:_____

INSPECTOR'S QUALIFICATIONS:

DAYS SINCE LAST RAINFALL: _____ AMOUNT OF LAST RAINFALL _____ INCHES

STABILIZATION MEASURES

INSPECTION AREA (DESCRIPTION OF LOCATION)	DATE SINCE LAST DISTURBED	DATE OF NEXT DISTURBANCE	STABILIZED ? (YES/NO)	STABILIZED WITH	CONDITION

STABILIZATION REQUIRED:

TO BE PERFORMED BY:_____ ON OR BEFORE:_____

PROJECT:

STORM WATER POLLUTION PREVENTION PLAN
INSPECTION AND MAINTENANCE REPORT FORM
STRUCTURAL CONTROLS

DATE:_____

EARTH DIKES/SWALES

| DIKE OR SWALE | FROM | TO | IS DIKE/SWALE STABILIZED ? | IS THERE EVIDENCE

22019
REVISED
1/09/2023
50% CONSTRUCTION DOCUMENTS
10/24/2022

LANDSCAPE NOTES:
1. ALL UTILITIES TO BE LOCATED PRIOR TO LANDSCAPE INSTALLATION.
2. ALL PLANT MATERIAL TO BE FLORIDA #1 OR BETTER.
3. ALL BED AREAS TO RECEIVE A 2" MINIMUM THICKNESS PINE STRAW MULCH APPLICATION.
4. ALL TREES, SHRUBS, AND GROUNDCOVERS TO RECEIVE A SLOW RELEASE FERTILIZER UPON INITIAL INSTALLATION.
5. QUANTITIES ARE PROVIDED FOR CONVENIENCE ONLY AND SHOULD BE VERIFIED BY THE CONTRACTOR.

NORTH

LANDSCAPE REQUIREMENT CHART
PER CITY OF PANAMA CITY CODE

FRONT SETBACK BUFFER
10' WIDE BUFFER WITH 2.5 CANOPY, 2 UNDERSTORY, 20 SHRUBS PER 100'

BOUNDARY	LENGTH	PROVIDED
NORTHERN	-	-
SOUTHERN	504'	13 CANOPY, 10 UNDERSTORY, 101 SHRUB
EASTERN	92'	2 CANOPY, 2 UNDERSTORY, 18 SHRUB
WESTERN	-	-

INTERIOR LANDSCAPE AREAS
1 TREE PER PARKING ISLAND/TERMINATION

PARKING ISLANDS & TERMINATIONS	PROVIDED
6	6

MISCELLANEOUS BUFFERS

DESCRIPTION
-
-
-
-

15 - SUPER BLUE LIRIOPE
1 GAL. 2' O.C.
6 - PRINGLES DWARF JAPANESE YEW
3 GAL. 4' O.C.

70 - SUPER BLUE LIRIOPE
1 GAL. 2' O.C.
7 - OAKLEAF HOLLY
15 GAL.
9 - PRINGLES DWARF JAPANESE YEW
3 GAL. 4' O.C.

6 - PRINGLES DWARF JAPANESE YEW
3 GAL. 4' O.C.
10 LITTLE JOHN BOTTLEBRUSH
3 GAL. 4' O.C.

21 - FLAX LILY
3 GAL. 2' O.C.
69 - ANGYO ASIAN JASMINE
1 GAL. 2' O.C.
56 - ANGYO ASIAN JASMINE
1 GAL. 2' O.C.
56 - ANGYO ASIAN JASMINE
1 GAL. 2' O.C.
16 - PRINGLES DWARF JAPANESE YEW
5 GAL. 4' O.C.
46 - SUPER BLUE LIRIOPE
1 GAL. 2' O.C.
72 - ANGYO ASIAN JASMINE
1 GAL. 2' O.C.
6 - WINGED ELM
30 GAL.
1 - RED MAPLE
30 GAL.

TITUF BERMUDA SOD
35,700 S.F. (FOR ENTIRE SITE)

1 - OAKLEAF HOLLY
15 GAL.
18 - CERISE CHARM LOROPETALUM
3 GAL. 4' O.C.
1 - SWEETBAY MAGNOLIA
30 GAL.
1 - RED MAPLE
30 GAL.

9 - RED MAPLE
30 GAL.
10 - MUHLY GRASS
3 GAL. 4' O.C.
9 - MUHLY GRASS
3 GAL. 4' O.C.
9 - DWARF YAUPON HOLLY
3 GAL. 4' O.C.
9 - DWARF YAUPON HOLLY
3 GAL. 4' O.C.
9 - DWARF YAUPON HOLLY
3 GAL. 4' O.C.
9 - MUHLY GRASS
3 GAL. 4' O.C.
9 - MUHLY GRASS
3 GAL. 4' O.C.
60 - FLAX LILY
1 GAL. 2' O.C.
7 - OAKLEAF HOLLY
15 GAL.
9 - DWARF YAUPON HOLLY
3 GAL. 4' O.C.
58 - CHAPEL HILL LANTANA
1 GAL. 2' O.C.
4 - RED MAPLE
30 GAL.
48 - FLAX LILY
1 GAL. 2' O.C.
4 - OAKLEAF HOLLY
15 GAL.
9 - MUHLY GRASS
3 GAL. 4' O.C.
9 - DWARF YAUPON HOLLY
3 GAL. 4' O.C.
10 - DWARF YAUPON HOLLY
3 GAL. 4' O.C.

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100% CONSTRUCTION DOCUMENTS

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

01/09/23

REVISIONS:

No.	Description	Date
1	100% CD's	01/09/23

L1

LANDSCAPE PLAN

PROJECT NUMBER	22019
DATED	1/09/2023

22019
50% CONSTRUCTION DOCUMENTS
10/26/2022

NORTH

GENERAL IRRIGATION NOTES:

1. ALL UTILITIES TO BE LOCATED BEFORE COMMENCEMENT OF CONSTRUCTION. APPLY NECESSARY PROTECTIVE MEASURES TO REDUCE POSSIBILITY OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION.
2. ALL CONTROL WIRE TO BE 14 GAUGE. INSTALL ONE (1) RED WIRE TO EACH CONTROL VALVE, ONE (1) COMMON WHITE TO LOOP CONTINUOUSLY THROUGHOUT THE WIRE PATH, AND ONE (1) EXTRA BLUE WIRE TO RUN PARALLEL WITH COMMON.
3. ALL LATERAL LINES TO MAINTAIN A 8" MINIMUM DEPTH. ALL MAINLINE TO MAINTAIN A MINIMUM 12" DEPTH.
4. ALL SPRAYS AND ROTORS TO BE MOUNTED FLUSH WITH FINAL GRADE.
5. ALL WATERING ARCS TO BE ADJUSTED TO PREVENT OVERSPRAY ONTO ADJACENT BUILDINGS OR HARDSCAPE.

SYSTEM DESIGN NOTES:

WATER SOURCE: 2" IRRIGATION METER
DESIGN VOLUME: 50 GPM
DESIGN PRESSURE: 65 PSI

DRIP IRRIGATION NOTES:

REFERENCE THE FOLLOWING TABLE FOR DRIP EMITTER INSTALLATION PER PLANT:

PLANT SIZE	EMITTER QTY/FLOW
1 GAL. OR LESS	1 @ 0.5 GPH
3 GAL.	1 @ 2.0 GPH
7 GAL.	1 @ 5.0 GPH
15 GAL.	2 @ 5.0 GPH
30 GAL.	3 @ 5.0 GPH
45 GAL.	3 @ 10.0 GPH
65 GAL.	3 @ 10.0 GPH
100 GAL.	4 @ 10.0 GPH
PALMS	3 @ 10.0 GPH

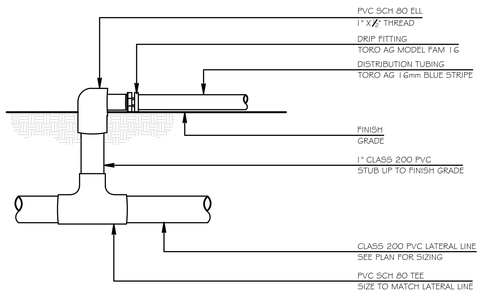
*XERI-SPRAYS MAY BE USED TO IRRIGATE ANNUAL PLANTING AREAS

PIPING LEGEND

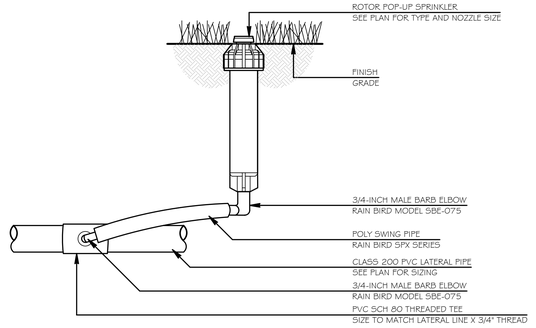
- 2" - CLASS 200 MAINLINE
- 1" - CLASS 200 LATERAL
- 1-1/4" - CLASS 200 LATERAL
- 1-1/2" - CLASS 200 LATERAL
- 2" - CLASS 200 LATERAL
- 4" SCH. 40 SLEEVE
- ZONE # / SIZE — CONTROL VALVE IDENTIFICATION TAG

IRRIGATION SCHEDULE

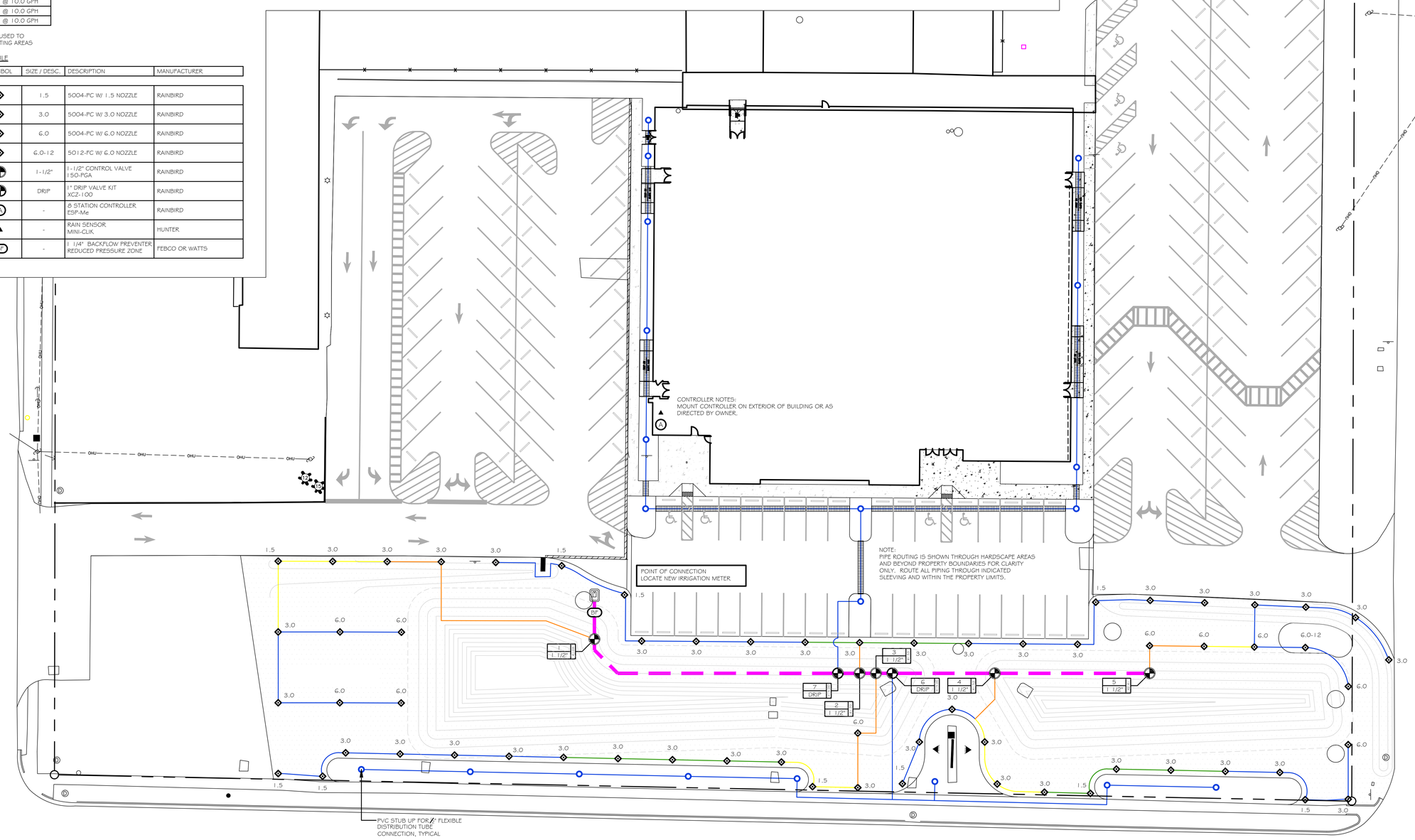
QUANTITY	SYMBOL	SIZE / DESC.	DESCRIPTION	MANUFACTURER
10	◆	1.5	5004-PC W/ 1.5 NOZZLE	RAINBIRD
41	◆	3.0	5004-PC W/ 3.0 NOZZLE	RAINBIRD
10	◆	6.0	5004-PC W/ 6.0 NOZZLE	RAINBIRD
1	◆	6.0-12	5012-PC W/ 6.0 NOZZLE	RAINBIRD
5	◔	1-1/2"	1-1/2" CONTROL VALVE 150-PGA	RAINBIRD
2	◔	DRIP	1" DRIP VALVE KIT XCZ-100	RAINBIRD
1	(A)	-	8 STATION CONTROLLER ESP-Me	RAINBIRD
1	▲	-	RAIN SENSOR MINI-CLIK	HUNTER
1	BF	-	1 1/4" BACKFLOW PREVENTER REDUCED PRESSURE ZONE	FEBCO OR WATTS



1 / L2 DRIP DISTRIBUTION LINE CONNECTION
NOT TO SCALE



2 / L2 POP-UP ROTOR INSTALLATION
NOT TO SCALE



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1104 Balboa Avenue, Panama City, FL 32401

01/09/23

REVISIONS:

No.	Description	Date
1	100% CD's	01/09/23

L2

IRRIGATION PLAN

PROJECT NUMBER	22019
DATED	1/09/2023

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22019
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01/31/2025

STRUCTURAL GENERAL NOTES

ABBREVIATIONS

AB	ANCHOR BOLT
ADDL	ADDITIONAL
ALT	ALTERNATE
ALUM	ALUMINUM
ARCH	ARCHITECTURAL or ARCHITECT
B/	BOTTOM OF
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BOS	BOTTOM OF STEEL
BRG	BEARING
B/S	BOTTOM SIDE
BTM or (B)	BOTTOM, "BOT" SIM
BTW	BETWEEN
CB	CARRIAGE BOLT
CFS	COLD FORMED STEEL
CIP	CAST IN PLACE
CJ.	CONTROL JOINT
CL or (℄)	CENTER LINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
C.O.	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUE or CONTINUOUS
CSJ	CONSTRUCTION JOINT
CTR	CENTERED, "CNTR'd" SIM
DET	DETAIL
DBL	DOUBLE
DIA or (ø)	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DIR	DIRECTION
D.L.	DEAD LOAD
DN	DOWN
DWG	DRAWING
DWL	DOWEL
EA	EACH
E.E.	EACH END
E.F.	EACH FACE
EJ	EXPANSION JOINT
ELEV	ELEVATION
EMBED	EMBEDDED or EMBEDMENT
EOS	EDGE OF SLAB
E.G.	EXISTING GRADE
E.S.	EACH SIDE
EQ	EQUAL
E.W.	EACH WAY
EX	EXISTING
EXPB	EXPANSION BOLT
EXT	EXTERIOR
F.F.	FAR FACE
FFE	FINISHED FLOOR ELEVATION
F.G.	FINISHED GRADE
FIN	FINISH
FL	FLOOR
FLG	FLANGE
FND	FOUNDATION
FOC	FACE OF CONCRETE
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FP	FULL PENETRATION
F/S	FAR SIDE
FT	FOOT OR FEET
FTG	FOOTING
GA	GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GDR	GIRDER
GP	GUSSET PLATE
HAS	HEADED ANCHOR STUD
HD	HOLDOWN
HDG	HOT DIP GALVANIZED
HDR	HEADER
HK	HOOK
HOR	HORIZONTAL
HSB	HIGH STRENGTH BOLT
H.S.S.	HEADED SHEAR or "NELSON" STUD
HSS	HOLLOW STL SECTION or TUBE
I.F.	INSIDE FACE
IN	INCH OR INCHES
INT.	INTERIOR
INV	INVERT
JST	JOIST
JT	JOINT
K	KIP (1,000 POUNDS)
LB	POUNDS
L.E.	LEFT END
LL	LIVE LOAD
LLD	LONG LEG DOWN
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LONG	LONGITUDINAL
LVL	LAMINATED VENEER LUMBER
LWC	LIGHT WEIGHT CONCRETE
MAS	MASONRY
MAX	MAXIMUM
MB	MACHINE BOLT
MFGR	MANUFACTURER
MID or (M)	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
M.R.D.	METAL ROOF DECK
MTL	METAL
MTRL	MATERIAL
N.F.	NEAR FACE
NOM	NOMINAL
NO.	NUMBER OR #
N/S	NEAR SIDE
NS	NON-SHRINK
N.T.S.	NOT TO SCALE
NWC	NORMAL WEIGHT CONCRETE
O.C.	ON CENTER, "C.C." SIM
O.D.	OVERALL DIM. "O/D" SIM
O.F.	OUTSIDE FACE
OPP	OPPOSITE
OVS	OVERSIZED
PCC	PRECAST CONCRETE
PEN	PENETRATION
PERP	PERPENDICULAR
P.LL.	POINT LOAD
PL	PLATE
PSL	PARALLEL STRAND LUMBER
PT	POINT
P.T.	PRESSURE TREATED or POST-TENSION
P.U.	RIGHT END
REINF	REINFORCING
REF	REFERENCE
RET	RETURN
REQ	REQUIRED
R.LL.	ROOF LIVE LOAD
R.O.	ROUGH OPENING
SC	SLIP CRITICAL
SCHED	SCHEDULE
S.D.N.	STRUCTURAL DESIGN NOTES
SIM	SIMILAR
SOG	SLAB ON GRADE
S.E.	STUD PACK
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	STAINLESS STEEL, "S.S." SIM
STAG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STR	STRUCTURAL, "STRUCT" SIMILAR
S.W.	SHEAR WALL
SYM	SYMMETRICAL
T or (T)	TOP
T&B	TOP AND BOTTOM
T&S	TEMPERATURE & SHRINKAGE REINF.
T/	TOP OF
T/S	TOP SIDE
TDR	THREADED ROD
TEMP.	"T&S" FOR REINF
THK	THICK OR THICKNESS
TOB	TOP OF BEAM
TOC	TOP OF CONCRETE
TOF	TOP OF FOOTING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TRANS	TRANSVERSE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UWA	UNDER WALL ABOVE
VERT	VERTICAL
W/	WITH
WF	WIDE FLANGE
WP	WORKING POINT
WWF	WELDED WIRE FABRIC
WWM	WELDED WIRE MESH

1. GENERAL NOTES:

1.1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, AND SITE DRAWINGS. CONSULT THESE DRAWINGS FOR OPENINGS, DEPRESSIONS, EQUIPMENT WEIGHTS AND LOCATIONS, EMBEDDED ITEMS AND OTHER DETAILS NOT SHOWN ON STRUCTURAL DRAWINGS.

1.2. DIMENSIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK.

1.3. NO STRUCTURAL MEMBER OR COMPONENT SHALL BE CUT, NOTCHED, OR OTHERWISE ALTERED UNLESS APPROVED IN WRITING BY THE ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS INCURRED BY THE ENGINEER OF RECORD FOR REVIEW OF ANY SUCH DEVIATIONS.

1.4. DO NOT SCALE DRAWINGS.

1.5. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE TO ENSURE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, AND TIEDOWNS.

1.6. DETAILS LABELED "TYPICAL DETAILS" ON THE DRAWINGS SHALL APPLY TO ALL SITUATIONS OCCURRING ON THE PROJECT THAT ARE THE SAME OR SIMILAR TO THOSE SPECIFICALLY DETAILED. THE APPLICABILITY OF THE DETAIL TO ITS LOCATION ON THE DRAWINGS CAN BE DETERMINED BY THE TITLE OF DETAIL. SUCH DETAILS SHALL APPLY WHETHER OR NOT THEY ARE REFERENCED AT EACH LOCATION. QUESTIONS REGARDING APPLICABILITY OF TYPICAL DETAILS SHALL BE DETERMINED BY THE ENGINEER OF RECORD.

1.7. THE GENERAL CONTRACTOR SHALL COMPARE THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, CIVIL AND STRUCTURAL DRAWINGS AND REPORT ANY DISCREPANCIES BETWEEN EACH SET OF DRAWINGS AND WITHIN EACH SET OF DRAWINGS TO THE ARCHITECT AND ENGINEER OF RECORD PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.

1.8. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE METHOD OR MEANS OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, PROCEDURES, TECHNIQUES, SEQUENCE AND SAFETY. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK, FOR THE ACTS OR OMISSION OF THE CONTRACTOR, SUBCONTRACTOR OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

1.9. THE REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS PRIOR TO SUBMITTAL TO THE STRUCTURAL ENGINEER. 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. THE CONTRACTOR ALSO SHALL BE RESPONSIBLE FOR MEANS, METHODS, TECHNIQUES, SEQUENCES, AND PROCEDURES OF CONSTRUCTION.

1.10. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATIVES OF ATLAS ENGINEERING AND CONSULTING, LLC IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN GENERAL ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHALL NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK.

1.11. ALL STRUCTURES REQUIRE PERIODIC MAINTENANCE TO EXCEED LIFE SPAN AND TO ENSURE STRUCTURAL INTEGRITY FROM EXPOSURE TO THE ENVIRONMENT. A PLANNED PROGRAM OF MAINTENANCE SHALL BE ESTABLISHED BY THE OWNER. THIS PROGRAM SHALL INCLUDE ITEMS SUCH AS, BUT NOT LIMITED TO, PAINTING OF STRUCTURAL STEEL, PROTECTIVE COATINGS FOR CONCRETE, SEALANTS, CAULKED JOINTS, EXPANSION JOINTS, CONTROL JOINTS, SPALLS AND CRACKS IN CONCRETE, AND PRESSURE WASHING OF EXPOSED STRUCTURAL ELEMENTS EXPOSED TO SALT ENVIRONMENT OR OTHER HARSH CHEMICALS.

1.12. STRUCTURAL ENGINEER OF RECORD IS NOT RESPONSIBLE FOR THE DESIGN OF STEEL STAIRS, HANDRAILS, CURTAIN WALL/WINDOW WALL SYSTEMS, COLD-FORMED STEEL FRAMING, OR OTHER SYSTEMS NOT SHOWN IN THE STRUCTURAL DOCUMENTS. SUCH SYSTEMS SHALL BE DESIGNED, FURNISHED, AND INSTALLED AS REQUIRED BY OTHER PORTIONS OF THE CONTRACT DOCUMENTS.

1.13. ALL CONSTRUCTION SHALL CONFORM TO THE FLORIDA BUILDING CODE 8TH EDITION (2023). REFERENCE TO OTHER CODES OR STANDARD SPECIFICATIONS REFER TO THE LATEST EDITION OF SUCH CODES OR SPECIFICATIONS, UNLESS STATED OTHERWISE.

1.14. NO PROVISIONS HAVE BEEN MADE FOR VERTICAL OR HORIZONTAL EXPANSION EXCEPT AS SHOWN ON CONTRACT DOCUMENTS.

1.15. FINISH FLOOR ELEVATION (FIRST FLOOR) OF 0'-0" IS USED AS A REFERENCE ELEVATION. SEE CIVIL DRAWINGS FOR ACTUAL ELEVATION.

1.16. THE USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS AND USE OF CAD FILES BY ANY CONTRACTOR, SUBCONTRACTOR, ERECTOR, FABRICATOR OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS IS PROHIBITED UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED FROM ENGINEER OF RECORD.

1.17. IN THE EVENT THAT THE STRUCTURAL CONTRACTS DRAWINGS AND SPECIFICATIONS CONFLICT ON INFORMATION, THE STRUCTURAL CONTRACT DRAWINGS SHALL SUPERSEDE THE SPECIFICATIONS.

2. CODE DESIGN:

2.1. STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE.

2.2. GRAVITY LOADS

2.2.1. UNIFORM FLOOR LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

CLASSROOMS	40 PSF
STAIRS/RAMPS	100 PSF
BLEACHERS	100 PSF
STAGE	150 PSF

2.2.2. UNIFORM ROOF LIVE LOADS (REDUCED AS ALLOWED BY THE BUILDING CODE):

ROOF	100 PSF

PONDING AND DRIFT EFFECTS HAVE BEEN INCLUDED IN DESIGN.

2.3. WIND LOADS (ASCE 7-22):

BASIC WIND SPEED = 170 MPH (INTERPOLATED VALUE)
STRUCTURAL RISK CATEGORY = III
WIND EXPOSURE CATEGORY = B
ENCLOSURE CLASSIFICATION = ENCLOSED
INTERNAL PRESSURE COEFFICIENT = 0.18 +/-

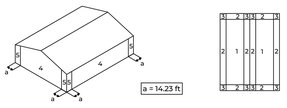
COMPONENTS AND CLADDING (PER ASD)

ROOF: (LOADING IN PSF)

	ZONE 1 (INTERIOR)		ZONE 2 (EDGE)		ZONE 3 (CORNER)	
TRIBUTARY AREA (SQFT)	(+)	(-)	(+)	(-)	(+)	(-)
10	21.23	59.32	21.23	78.37	21.23	102.86
20	19.34	51.00	19.34	67.67	19.34	88.12
100	14.95	31.69	14.95	42.81	14.95	53.88

WALLS: (LOADING IN PSF)

	ZONE 4 (INTERIOR)		ZONE 5 (EDGE/CORNER)	
TRIBUTARY AREA (SQFT)	(+)	(-)	(+)	(-)
10	32.11	34.83	32.11	42.99
20	30.66	33.38	30.66	40.10
100	27.30	30.03	27.30	33.38



2.4. FLOOD DESIGN DATA:

FLOOD ZONE = X
BFE = N/A
PANEL NO = 12005C0341J

2.5. ROOF RAIN LOAD DESIGN DATA:

RAIN LOAD = 5 PSF
RAIN INTENSITY (*i*) = 4.5 IN/HR

3. FOUNDATIONS:

3.1. THE FOUNDATIONS ARE DESIGNED FOR AN ANTICIPATED ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF ON COMPACTED FILL IF GEOTECHNICAL INVESTIGATION HAS NOT BEEN CONDUCTED.

3.2. REGARDLESS OF WHETHER OR NOT A GEOTECHNICAL INVESTIGATION IS PERFORMED, NO WARRANTIES, EXPRESSED OR IMPLIED, ARE MADE BY ATLAS ENGINEERING AND CONSULTING, LLC FOR THE PERFORMANCE OF THE FOUNDATION.

3.3. AT A MINIMUM, SITE PREPARATION WORK SHALL INCLUDE:
3.3.1. STRIPPING AND GRUBBING OF THE BUILDING FOOTPRINT PLUS A MARGIN OF 5 FEET AROUND THE BUILDING, REMOVING ALL ORGANIC MATERIALS.
3.3.2. PROOF ROLLING THE BUILDING SITE TO LOCATE ANY UNFORESEEN SOFT AREAS. ANY SOFT AREAS SHALL BE EXCAVATED AND REPLACED WITH CLEAN FILL. A DENSITY OF AT LEAST 95% FOR A DEPTH OF 2 FEET IS REQUIRED UNDER THE BUILDING FOOTPRINT.
3.3.3. ALL FILL SHALL BE CLEAN SAND AND FREE OF ORGANIC MATERIALS. COMPACT FILL IN 12 INCH (UNCOMPACTED THICKNESS) LIFTS TO A MINIMUM OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY VALUE.
3.3.4. EXCAVATIONS FOR FOUNDATIONS SHALL BE COMPACTED TO 95% FOR A DEPTH OF AT LEAST 2 FEET BELOW THE BOTTOM OF THE FOUNDATION.
3.3.5. DEWATERING MAY BE REQUIRED TO ACHIEVE THE REQUIRED COMPACTION VALUES. AND IF USED, SHALL LOWER DOWN THE WATER LEVEL TO AT LEAST 2 FEET BELOW THE BOTTOM OF THE EXCAVATION.

3.4. SLABS ON GRADE SHALL BE PLACED OVER A 15 MIL, CLASS "B" VAPOR RETARDER. VAPOR RETARDER SHALL BE LAPPED A MINIMUM OF 6", OR AS RECOMMENDED BY THE MANUFACTURER (WHICHEVER IS GREATER) AND TAPED AT ALL JOINTS. ALL PUNCTURES IN THE VAPOR RETARDER SHALL BE REPAIRED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. ALL PENETRATIONS THROUGH THE VAPOR RETARDER (COLUMNS, PLUMBING, CONDUITS, ETC.) SHALL BE SEALED PER MANUFACTURER'S WRITTEN INSTRUCTIONS. VAPOR RETARDER SHALL BE CONTINUOUS UNDER WALL FOUNDATIONS OR SEALED TO EXTERIOR WALLS PER MANUFACTURER'S WRITTEN INSTRUCTIONS.

4. CONCRETE:

4.1. CONCRETE SHALL BE PLACED AND CURED ACCORDING TO ACI STANDARDS AND SPECIFICATIONS.

4.2. UNLESS NOTED OTHERWISE, ALL CONCRETE SHALL BE NORMAL WEIGHT AND HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS:

4.2.1.	FOUNDATIONS & SLAB-ON-GRADE	3,000 PSI
4.2.2.	STRUCTURAL SLABS	4,000 PSI
4.2.3.	CIP BEAMS, COLUMNS & WALLS	4,000 PSI
4.2.4.	EXTERIOR RETAINING WALLS	4,000 PSI

4.3. SUBMIT PROPOSED MIX DESIGN WITH RECENT FIELD CYLINDER OR LAB TESTS FOR REVIEW PRIOR TO USE. MIX SHALL BE UNIQUELY IDENTIFIED BY MIX NUMBER OR OTHER POSITIVE IDENTIFICATION. MIX SHALL MEET THE REQUIREMENTS OF ASTM C33 FOR COARSE AGGREGATE

4.4. CONCRETE SHALL COMPLY WITH THE REQUIREMENTS OF ASTM STANDARD C94 FOR MEASURING, MIXING, TRANSPORTING, ETC. CONCRETE TICKETS SHALL BE TIME STAMPED WHEN CONCRETE IS BATCHED.

4.5. THE MAXIMUM TIME ALLOWED FROM THE TIME THE MIXING WATER IS ADDED UNTIL IT IS DEPOSITED IN ITS FINAL POSITION SHALL NOT EXCEED ONE AND ONE HALF (1-1/2) HOURS, OR AS OTHERWISE READILY DELAY THAN THAT STATED ABOVE, THE CONCRETE SHALL BE DISCARDED. IT SHALL BE THE RESPONSIBILITY OF THE TESTING LAB TO NOTIFY THE OWNER'S REPRESENTATIVE AND THE CONTRACTOR OF ANY NONCOMPLIANCE IT WITH THE ABOVE.

4.6. CALCIUM CHLORIDES SHALL NOT BE UTILIZED; OTHER ADMIXTURES MAY BE USED ONLY WITH THE APPROVAL OF THE ENGINEER.

4.7. CONCRETE MIX DESIGNS SHALL INCLUDE A WRITTEN DESCRIPTION INDICATING WHERE EACH PARTICULAR MIX IS TO BE PLACED WITHIN THE STRUCTURE.

4.8. CONDUITS, PIPES AND SLEEVES SHALL BE PLACED AND SPACED IN ACCORDANCE WITH ACI 318, 20.6.

4.9. CONCRETE DESIGN MIX SUBMITTALS SHALL INCLUDE TESTED, STATISTICAL BACK-UP DATA AS PER 26.4.4 OF ACI 318.

4.10. CONCRETE SLABS ON GRADE SHALL BE REINFORCED WITH 6x6 W1.4xW1.4 STEEL MESH OR SYNTHETIC FIBERS AT A MINIMUM RATE OF 3.0 LBS/CY, OR AS RECOMMENDED BY THE FIBER MANUFACTURER FOR CONTROL OF TEMPERATURE AND SHRINKAGE/CRACKING, WHICHEVER IS GREATER. UNLESS NOTED OTHERWISE.

4.11. WHEN WATER-BASED ADHESIVE ARE BEING USED ON CONCRETE SURFACES, THE CONTRACTOR SHALL VERIFY THAT THE WATER CONTENT OF THE CONCRETE IS WITHIN THE ALLOWABLE RANGE BEFORE INSTALLATION.

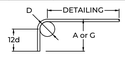
4.12. CHAMFER OR ROUND ALL EXPOSED CORNERS A MINIMUM OF 3/4".

5. REINFORCING STEEL

5.1. SHALL BE ASTM A615 GRADE 60 DEFORMED BARS, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL BENDING DIAGRAM AND PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS.

MINIMUM LAP SPLICE LENGTH (IN.) - 3000 PSI CONCRETE						
	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
FOOTINGS (HOR.)	21	23	29	37	50	-
VERT. DOWELS	22	29	36	43	63	72
MINIMUM LAP SPLICE LENGTH (IN.) - 4000 PSI CONCRETE						
	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
BEAMS/SLABS	-	-	-	-	-	-
- TOP BARS	22	29	36	43	63	72
- OTHER	21	21	26	31	39	51
COLUMNS	16	18	19	22	37	45
C.I.P. WALLS	-	-	-	-	-	-
- VERT. (1 MAT)	21	21	22	25	39	51
- VERT. (2 MATS)	16	18	19	22	34	43
- HORIZONTAL	16	19	27	37	60	74
MINIMUM LAP SPLICE LENGTH (IN.) - 1500 PSI NORMAL WEIGHT CMU						
	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
6-in CMU WALL	19	25	39	81	-	-
8-in CMU WALL	19	25	31	57	79	113
12-in CMU WALL	19	25	31	53	61	75

RECOMMENED END HOOKS ANCHORAGE LENGTH (IN.) - 3000 PSI CONCRETE						
	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
D	2.25	3.00	3.75	4.50	5.25	6.00
A or G	6	8	10	12	14	16
RECOMMENED END HOOKS ANCHORAGE LENGTH (IN.) - 4000 PSI CONCRETE						
	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
D	2.25	3.00	3.75	4.50	5.25	6.00
A or G	7	10	12	15	17	19



5.2. REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE CLEAR COVER UNO (PER ACI 318-05 PAR.7.7.1)

5.2.1.	CONCRETE CAST AGAINST EARTH:	3"	
5.2.2.	FORMED CONCRETE EXPOSED TO EARTH OR WEATHER:	2"	(#6 BARS & LARGER)
		1-1/2"	(#5 BARS & SMALLER)
5.2.3.	CONCRETE NOT EXPOSED TO EARTH OR WEATHER:	3/4"	(SLABS)
		1"	(WALLS)
		1-1/2"	(STIRRUPS & TIES)

5.3. SECURE APPROVAL OF SHOP DRAWINGS PRIOR TO COMMENCING FABRICATION.

5.4. PROVIDE STANDARD HOOKS AT DISCONTINUOUS ENDS OF ALL TOP BARS.

5.5. WHERE REINFORCING IS SHOWN CONTINUOUS, SPLICE BOTTOM BARS OVER SUPPORTS AND TOP BARS AT CENTER OF SPAN. ALL OTHER LAP SPLICES SHALL BE IN ACCORDANCE WITH SPLICE TABLES AND DETAILS SHOWN ON DRAWINGS.

5.6. PROVIDE DOWELS INTO FOOTINGS, PILE CAPS, SUPPORT BEAMS, ETC. TO MATCH VERTICAL BARS WITH CLASS B TENSION LAP SPLICES, U.N.O.

5.7. WHERE HOOKS ARE SHOWN ON THE PLANS OR DETAILS, HOOKS SHALL BE DETAILED TO EXTEND DEEP ENOUGH INTO SUPPORTING STRUCTURE TO DEVELOP THE FULL STRENGTH OF THE HOOKED BAR. PROVIDE ADDITIONAL TIES OR STIRRUPS IN SUPPORTING STRUCTURE AS REQUIRED TO SATISFY ACI 318 HOOK DEVELOPMENT, CONFINEMENT, AND ANCHORAGE CRITERIA.

5.8. ALL REINFORCEMENT SHALL BE BENT COLD, UNLESS OTHERWISE APPROVED BY THE STRUCTURAL EOR.

5.9. SHOP DRAWINGS SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING REINFORCING STEEL IN MAT SLABS, CAST-IN-PLACE WALLS, AND STRUCTURAL SLABS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION.

5.10. ALL CONCRETE REINFORCEMENT SHALL BE DETAILED, FABRICATED, LABELED, SUPPORTED AND SPACED IN FORMS AND SECURED IN PLACE IN ACCORDANCE WITH THE PROCEDURES AND REQUIREMENTS FOR REINFORCED CONCRETE, "ACI 318" AND THE "MANUALS OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES," ACI 315 (LATEST EDITION).

5.11. ALL REINFORCING STEEL AND EMBEDMENTS SHALL BE SECURELY TIED AND SUFFICIENTLY SUPPORTED TO MAINTAIN THE POSITION WITHIN SPECIFIED TOLERANCES DURING ALL CONSTRUCTION ACTIVITIES. "WET STICKING" DOWELS INTO CONCRETE IS NOT PERMITTED.

5.12. CONTINUOUS REINFORCEMENT SHALL BE PROVIDED WHEREVER POSSIBLE. REINFORCEMENT SHALL BE SPLICED ONLY AS SHOWN OR NOTED IN THE STRUCTURAL CONTRACT DOCUMENTS. STAGGER SPLICES WHERE POSSIBLE; USE FULL TENSION SPLICE (CLASS "B") UNLESS NOTED OTHERWISE. DOWELS SHALL MATCH THE SIZE AND SPACING OF THE SPECIFIED REINFORCEMENT AND SHALL BE LAPPED WITH FULL TENSION SPLICES (CLASS "B") UNLESS NOTED OTHERWISE. TERMINATE BARS WITH STANDARD HOOKS.

5.13. REINFORCING STEEL SHALL NOT BE WELDED OR TACK WELDED UNLESS APPROVED BY THE STRUCTURAL EOR.

5.14. ALL STEEL REINFORCING USED IN SLAB-ON-GRADE CONSTRUCTION IS REQUIRED TO BE SUPPORTED IN THE CENTER TO UPPER ONE THIRD OF THE SLAB.

6. WELDED WIRE FABRIC:

6.1. SHALL CONFORM TO ASTM A-185, FREE FROM OIL, SCALE AND RUST AND PLACED IN ACCORDANCE WITH THE TYPICAL PLACING DETAILS OF ACI STANDARDS AND SPECIFICATIONS.

6.2. MINIMUM LAP SHALL BE ONE SPACE PLUS TWO INCHES.

6.3. ALL WELD WIRE MESH USED IN SLAB-ON-GRADE CONSTRUCTION IS REQUIRED TO BE SUPPORTED IN THE CENTER TO UPPER ONE THIRD OF THE SLAB.

7. WOOD:

7.1. STRUCTURAL GLUED LAMINATED TIMBER SHALL BE PRODUCED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION (AITC). MINIMUM ALLOWABLE BENDING STRESS SHALL BE 2,400 PSI (DRY CONDITIONS).

7.2. PROVIDE DRESSED SEASONED LUMBER, S4S, WITH A MAXIMUM MOISTURE CONTENT OF 19% AT TIME OF DRESSING AS LISTED BELOW.

7.2.1. INTERIOR AND EXTERIOR LOAD-BEARING WALLS: SOUTHERN PINE, NO. 2 GRADE.

7.2.2. LINTELS, FLOOR JOISTS AND BEAMS: SOUTHERN PINE, NO. 2 GRADE.

7.2.3. WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE FOUNDATION GRADE PRESSURE-TREATED. USE GALVANIZED NAILS IN PRESSURE-TREATED WOOD. THE PROTECTIVE COATING ON LIGHT GAUGE STEEL CONNECTIONS IN CONTACT WITH PRESSURE-TREATED WOOD SHALL BE IN ACCORDANCE WITH THE CONNECTOR MANUFACTURERS RECOMMENDATIONS.

7.3. ENGINEERED LUMBER PRODUCTS

7.3.1. PARALLEL STRAND LUMBER (PSL) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:

ALLOWABLE BENDING STRESS	F/B = 2900 PSI
COMPRESSION PERPENDICULAR TO GRAIN	F/C⊥ = 750 PSI
COMPRESSION PARALLEL TO GRAIN	F/C|| = 2900 PSI
HORIZONTAL SHEAR	F/V = 290 PSI
MODULUS OF ELASTICITY	E = 2,000,000 PSI

7.3.2. LAMINATED VENEER LUMBER (LVL) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:

ALLOWABLE BENDING STRESS	F/B = 2600 PSI
COMPRESSION PERPENDICULAR TO GRAIN	F/C⊥ = 750 PSI
COMPRESSION PARALLEL TO GRAIN	F/C|| = 2510 PSI
HORIZONTAL SHEAR	F/V = 285 PSI
MODULUS OF ELASTICITY	E = 2,000,000 PSI

7.3.3. LAMINATED STRAND LUMBER (LSL) SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:

ALLOWABLE BENDING STRESS	F/B = 1700 PSI
COMPRESSION PERPENDICULAR TO GRAIN	F/C⊥ = 710 PSI
COMPRESSION PARALLEL TO GRAIN	F/C|| = 1835 PSI
HORIZONTAL SHEAR	F/V = 405 PSI
MODULUS OF ELASTICITY	E = 1,300,000 PSI

7.3.4. GLULAM BEAMS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:

ALLOWABLE BENDING STRESS	F/B = 3000 PSI
COMPRESSION PERPENDICULAR TO GRAIN	F/C⊥ = 805 PSI
TENSION PARALLEL TO GRAIN	F/T|| = 1350 PSI
HORIZONTAL SHEAR	F/V = 300 PSI
MODULUS OF ELASTICITY	E = 2,100,000 PSI

7.3.5. PRESERVED GLULAM BEAMS SHALL HAVE THE FOLLOWING MINIMUM ALLOWABLE STRESSES AND PROPERTIES:

ALLOWABLE BENDING STRESS	F/B = 2400 PSI
COMPRESSION PERPENDICULAR TO GRAIN	F/C⊥ = 740 PSI
HORIZONTAL SHEAR	F/V = 300 PSI
MODULUS OF ELASTICITY	E = 1,800,000 PS

7.4. STRUCTURAL PANELS

7.4.1. FLOOR PANELS SHALL BE CONSTRUCTED WITH TONGUE AND GROOVE APA RATED, EXPOSURE 1, 23/32" PLYWOOD. FLOOR PANELS SHALL BE GLUED AND NAILED W/ 10d RING SHANK NAILS @ 4" O/C AT PANEL EDGES AND AT 6" O/C IN THE FIELD.

7.4.2. WALL PANELS SHALL BE CONSTRUCTED WITH APA RATED, EXPOSURE 1, 15/32" SHEATHING, SHEATHING SHALL BE ATTACHED WITH 10d COMMON NAILS @ 3" O/C AT PANEL EDG

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PLAN LEGEND

- DENOTES THICKENED SLAB @ WALL BEARING & SLAB STEP DOWN LOCATIONS.
- DENOTES FOOTER OUTLINE BELOW.
- DENOTES SLAB TURNDOWN OUTLINE.
- DENOTES LOAD BEARING WALL BELOW.

TYP. C.I.P. PIER & FOOTING CALLOUT

FOOTING NOTES

1. TOPS OF ALL FOOTINGS (EXCEPT TURNDOWNS) MUST BE COVERED WITH A MINIMUM OF 12" OF FINISH GRADE MATERIAL (U.N.O.).
2. BOTTOMS OF ALL FOOTINGS MUST BEAR ATOP UNDISTURBED SOIL OR ENGINEERED FILL COMPACTED TO 95% MAXIMUM MODIFIED PROCTOR A MINIMUM OF 12" BELOW EXISTING GRADE UNLESS PROPER PROVISIONS HAVE BEEN MADE FOR THE USE OF ENGINEERED FILL BASED ON A SITE SPECIFIC GEOTECHNICAL EVALUATION (BY OTHERS).
3. ALL CONTINUOUS FOOTINGS & PEDESTALS MUST BE CENTERED ON THE WALL/PIER UNLESS SPECIFICALLY NOTED AS ECCENTRIC FOOTING.
4. VERTICAL DOWEL HOOKS SHOULD EXTEND 9" IN TO FTG'S, BELOW & RUNNING PERPENDICULAR TO FLEXURAL REINF.
5. NO "WET STICK" SETTING OF REINFORCING WILL BE APPROVED.
6. ALL VERTICAL REINFORCING MUST BE IN PLACE & TIED TO FOOTING REINF. PRIOR TO POUR.
7. COORDINATE ALL FOOTING LOCATIONS WITH CIVIL, PLUMBING, AND ELECTRICAL DRAWINGS. CONTRACTOR SHALL PROVIDE PIPE SLEEVES BELOW OR ABOVE CONTINUOUS WALL FOOTINGS.
8. SEE ARCH. DRAWINGS FOR DIMENSIONS NOT SHOWN. IF A CONFLICT EXISTS, THE ARCH. DIMENSIONS SHALL GOVERN. BOTH ENGINEER AND ARCHITECT OF RECORD SHALL BE NOTIFIED IN WRITING OF ALL CONFLICTS.

PEMB BID NOTIFICATION TO CONTRACTOR:

WITH THE SUBMISSION OF THEIR BID, THE GENERAL CONTRACTOR CERTIFIES AND HAS CONFIRMED THAT THE PRE-ENGINEERED METAL BUILDING COMPANY WHOSE PRICE WAS USED TO GENERATE THIS BID HAS THOROUGHLY REVIEWED THE REQUIREMENTS OF THE CURRENT ARCHITECTURAL AND STRUCTURAL PLANS. THE BID PRICING REFLECTS THEIR ABILITY TO PROVIDE A PRE-ENGINEERED METAL BUILDING PACKAGE THAT COMPLIES WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS TO THE ARCHITECT'S SATISFACTION. THE BIDDING CONTRACTOR FURTHER UNDERSTANDS AND ACKNOWLEDGES THAT THEY HAVE INCLUDED WITHIN THEIR BID PRICE ALL COSTS FOR ALL INITIAL OR SUPPLEMENTAL DESIGN ENGINEERING FROM THE PEMB PROVIDER TO ENSURE THAT THE APPROVED DESIGN TO BE RELEASED FOR FABRICATION COMPLIES WITH THE INTENT OF THE CONTRACT DRAWINGS. THIS INCLUDES COLUMN LOCATIONS AND SPACING, BEAM CLEAR HEIGHTS AND SPANS, AS WELL AS WINDOWS, DOORS, AND STOREFRONT OPENING REQUIREMENTS. THE COST OF ANY STEEL MATERIAL REQUIRED TO COMPLY WITH THESE ARCHITECTURAL REQUIREMENTS IS INCLUDED IN THIS BID. ADDITIONALLY, THE PEMB PROVIDER HAS INCLUDED SUITABLE DESIGN AND SUPPLEMENTAL STEEL BRACING WITHIN THE GYM ROOF FRAMING TO SUPPORT THE SIX RETRACTING BASKETBALL BACKSTOP ASSEMBLIES.

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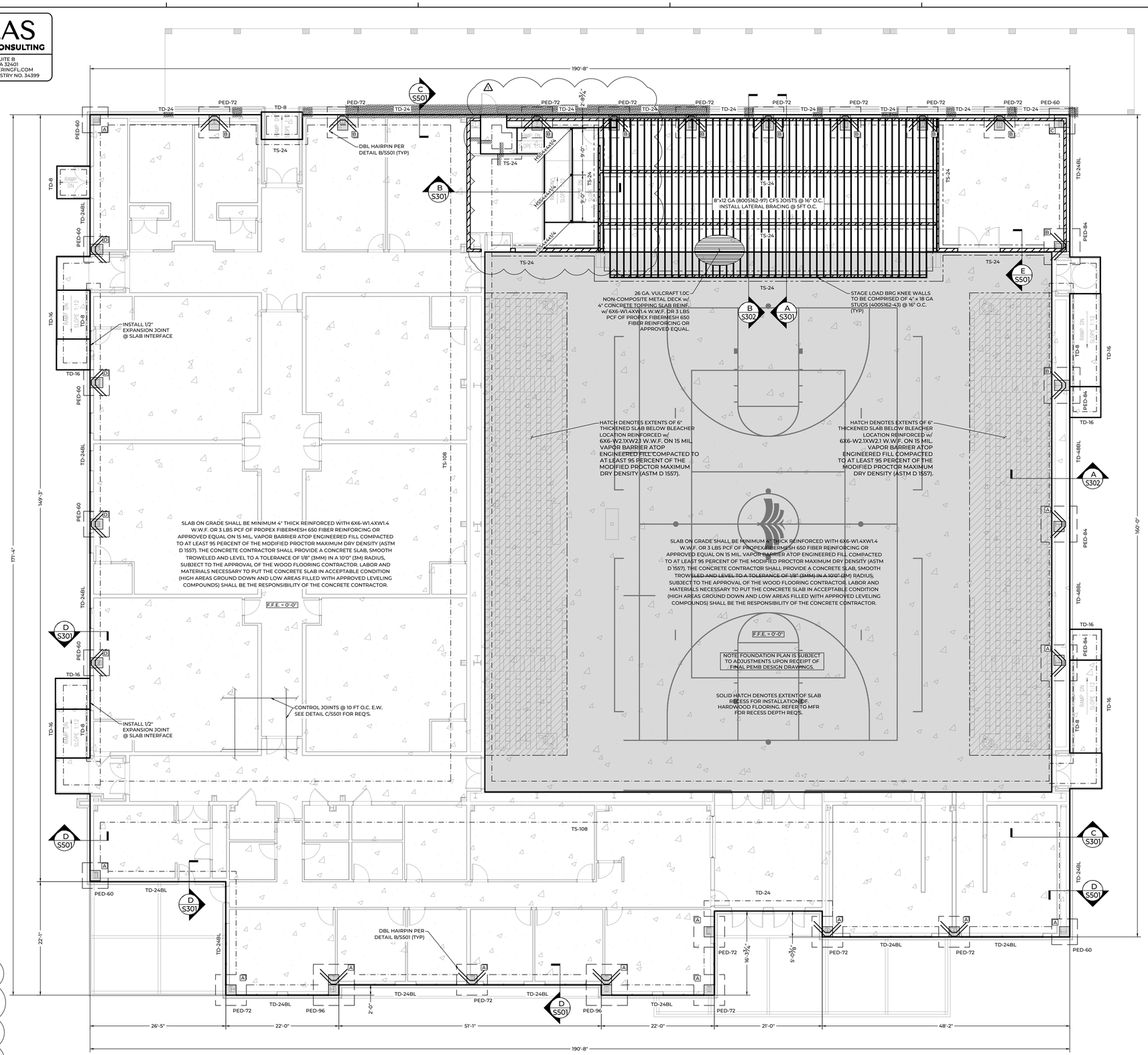

CONTINUOUS FOOTING SCHEDULE

DESIGNATION	TYPE	DIMENSIONS	CONTINUOUS REINF.	TRANSVERSE REINF.
TS-24	THICKENED SLAB	12" D x 24" W	(3) #5 BARS	#5 BARS x 18" @ 18" O.C.
TS-108	THICKENED SLAB	20" D x 108" W	(12) #5 BARS	#5 BARS x 102" @ 18" O.C.
TD-8	TURN DOWN	16" D x 8" W	(1) #5 BARS	N/A
TD-16	TURN DOWN	16" D x 16" W	(2) #5 BARS	#5 BARS x 10" @ 24" O.C.
TD-24	TURN DOWN	16" D x 24" W	(3) #5 BARS	#5 BARS x 1'-6" @ 24" O.C.
TD-24BL	TURN DOWN	16" D x 32" W	(4) #5 BARS	#5 BARS x 2'-2" @ 24" O.C.
TD-48BL	TURN DOWN	16" D x 56" W	(6) #5 BARS	#5 BARS x 4'-2" @ 24" O.C.

PEDESTAL FOOTING SCHEDULE

DESIGNATION	TYPE	DIMENSIONS	LONGITUDINAL REINF.	TRANSVERSE REINF.
PED-60	PEDESTAL FTG.	16" D x 60" SQR.	(7) #5 BARS EQ. SPACED	(7) #5 BARS EQ. SPACED
PED-72	PEDESTAL FTG.	20" D x 72" SQR.	(8) #5 BARS EQ. SPACED	(8) #5 BARS EQ. SPACED
PED-84	PEDESTAL FTG.	20" D x 84" SQR.	(9) #5 BARS EQ. SPACED	(9) #5 BARS EQ. SPACED
PED-96	PEDESTAL FTG.	20" D x 96" SQR.	(10) #5 BARS EQ. SPACED	(10) #5 BARS EQ. SPACED

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

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CODY L. HARDEN LICENSE No. 89388 STATE OF FLORIDA PROFESSIONAL ENGINEER

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	ASI #2 / RESPONSE TO RFI #2	8/8/25

FOUNDATION PLAN

PROJECT NUMBER 22019
DATED 01/31/2025

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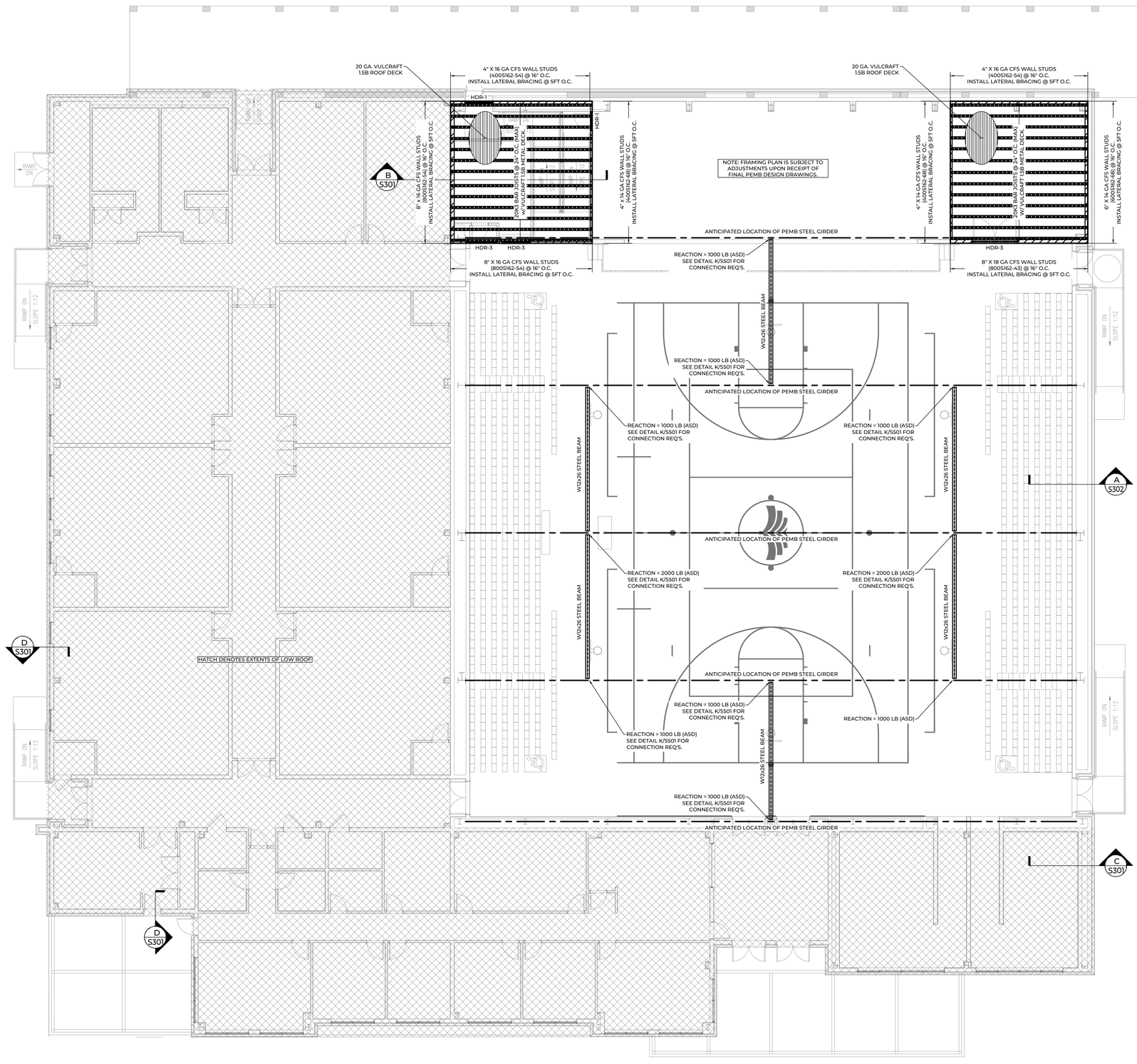
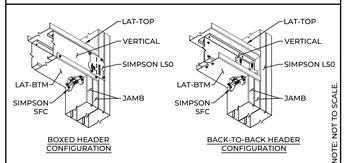


COLD FORMED STEEL HEADER SCHEDULE



CONCRETE BEAM SCHEDULE

DESIG.	VERTICAL	LAT-TOP	LAT-BTM	JAMB	HEADER SHAPE
HDR-1	800S162-54	400S162-33	400S162-33	(2) 400S162-54	BACK-TO-BACK
HDR-2	800S162-97	400S162-33	400S162-33	(2) 400S162-54	BACK-TO-BACK
HDR-3	800S162-54	800S162-33	800S162-33	(2) 800S162-54	BACK-TO-BACK

A MEZZANINE FRAMING PLAN
SCALE: 1/8"=1'-0"

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MEZZANINE FRAMING PLAN

PROJECT NUMBER 22019
DATED 01/31/2025

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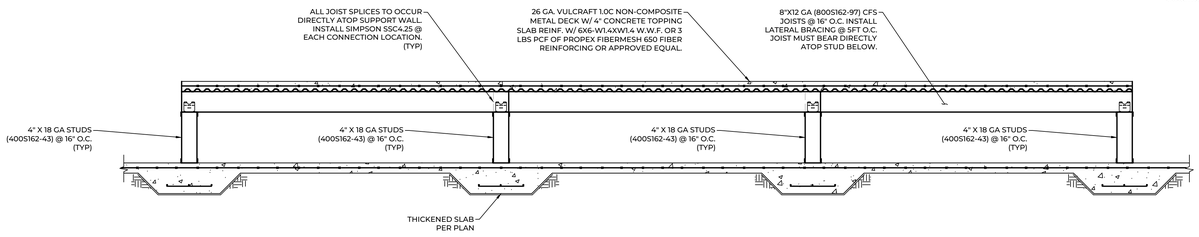

A SECTION @ STAGE
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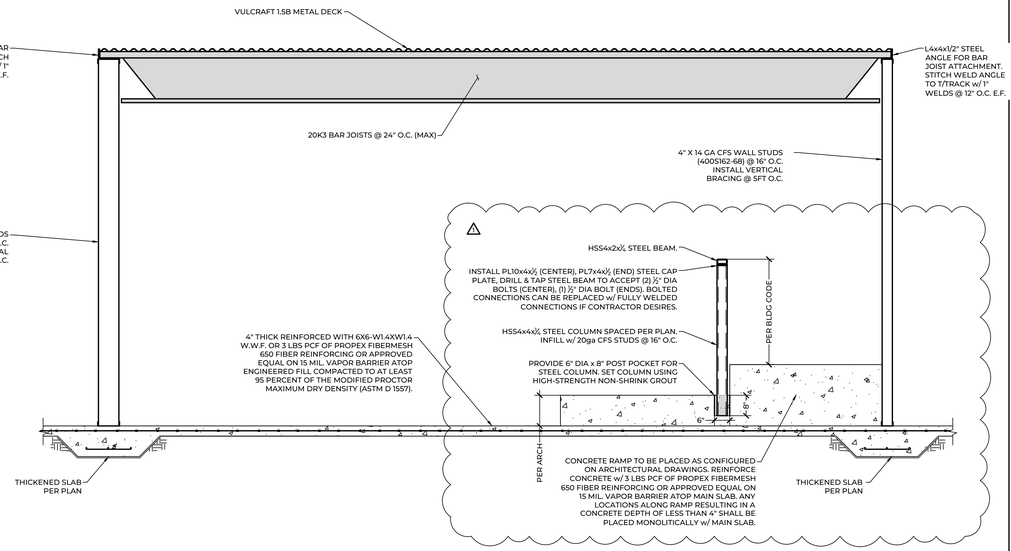
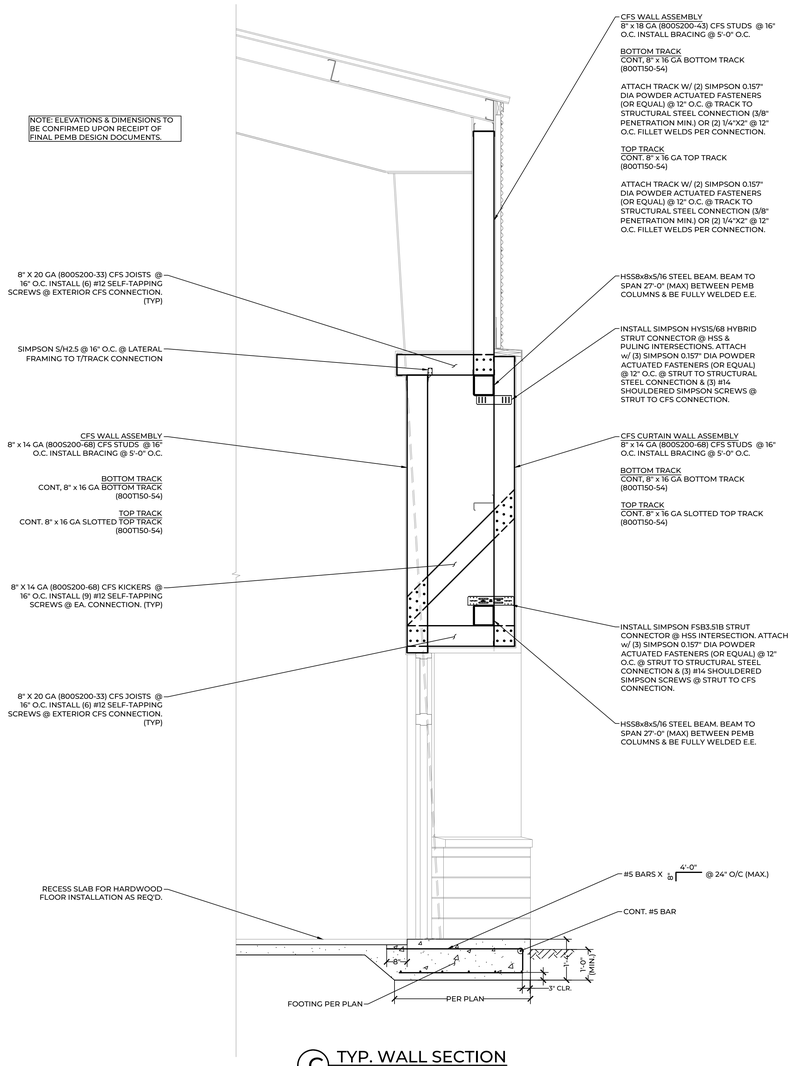


B SECTION @ MEZZANINE
SCALE: 1/2"=1'-0"

NOTE: ELEVATIONS & DIMENSIONS TO BE CONFIRMED UPON RECEIPT OF FINAL PEMB DESIGN DOCUMENTS.



C TYP. WALL SECTION
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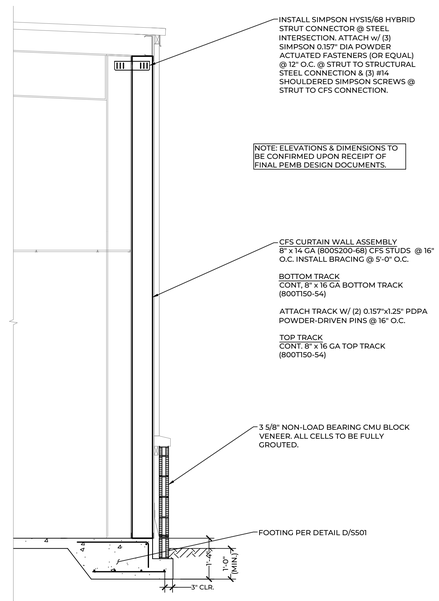

D TYP. WALL SECTION
SCALE: 1/2"=1'-0"

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No.	Description	Date
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STRUCTURAL SECTIONS

PROJECT NUMBER	22019
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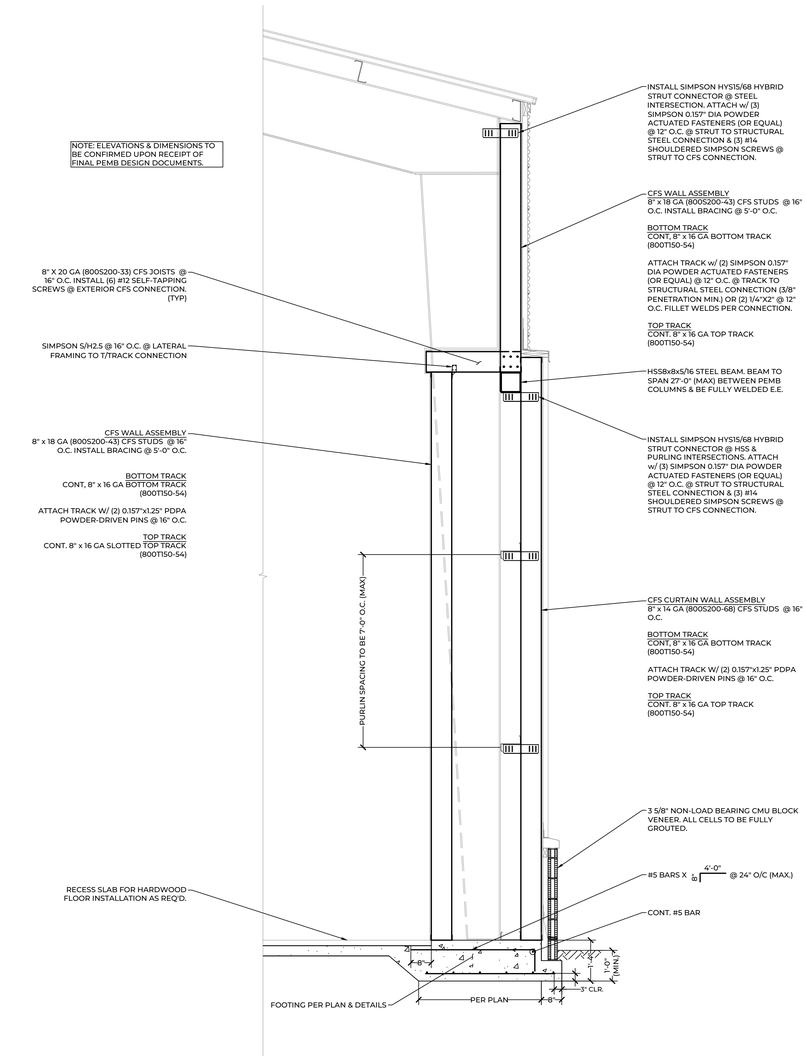

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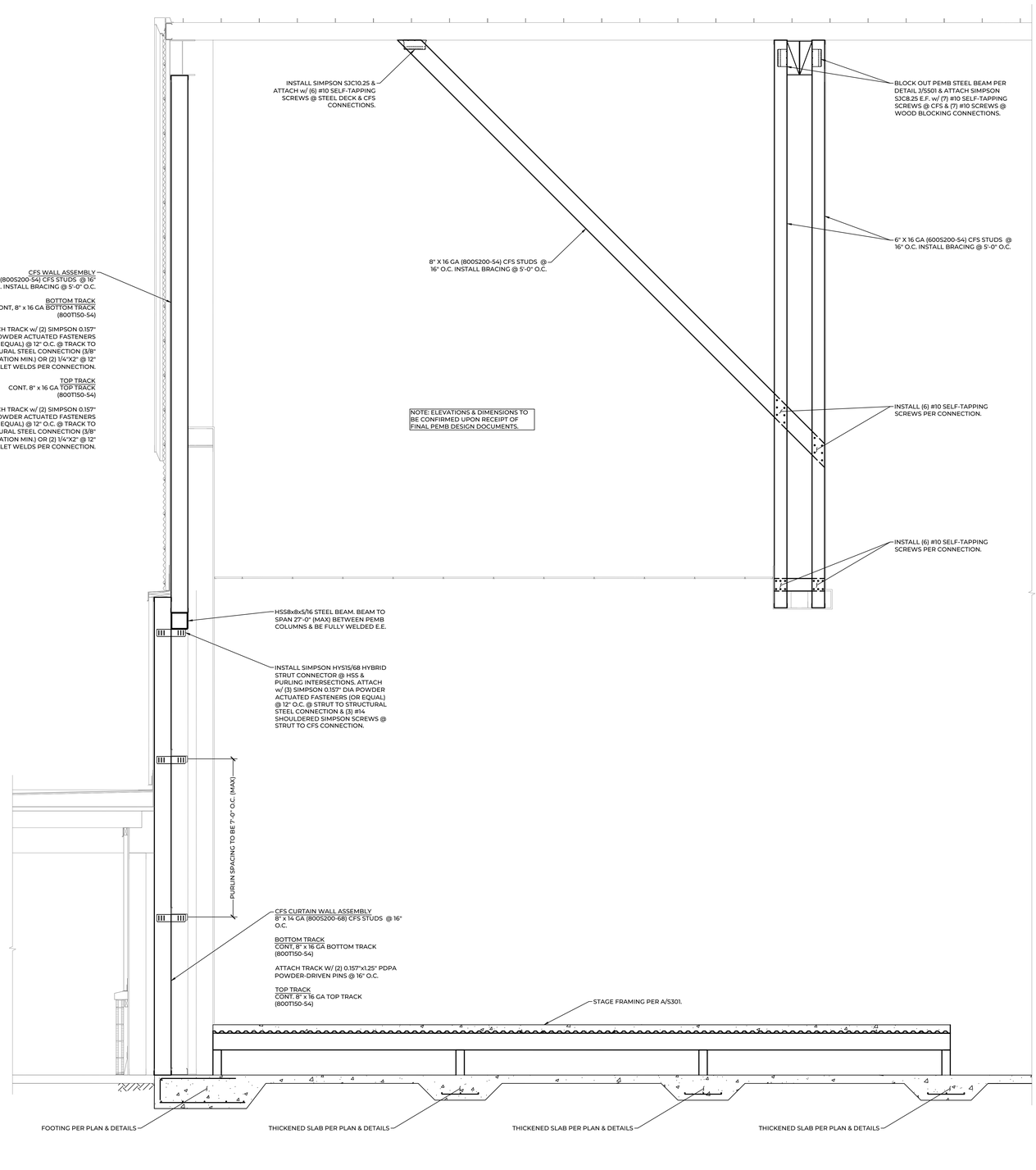

B TYP. WALL SECTION
SCALE: 1/2"=1'-0"

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No.	Description	Date
1	ASI #2 / RESPONSE TO RFI #2	8/8/25

STRUCTURAL SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

S302

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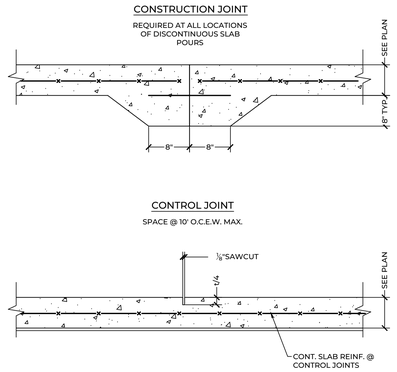

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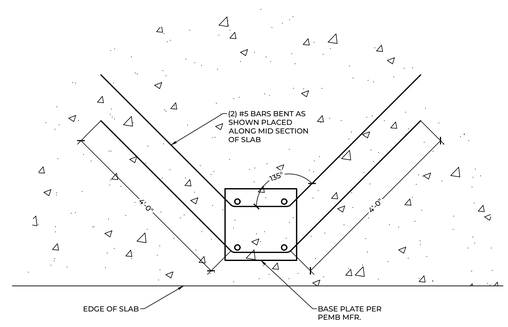

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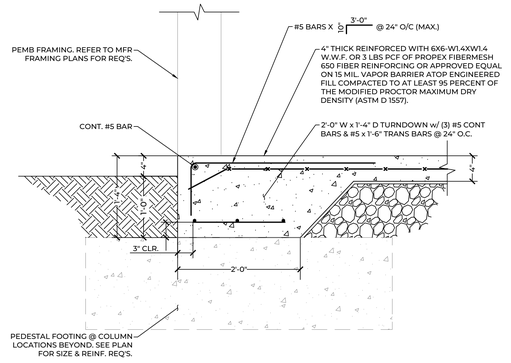

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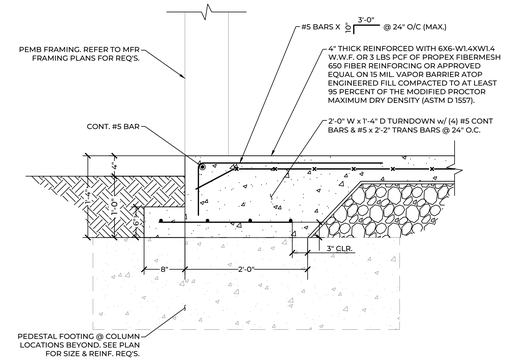
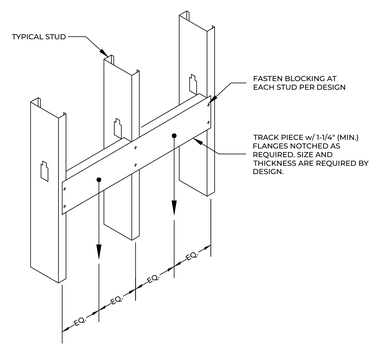


D TYP. TURNDOWN w/ BRICK LEDGE DETAIL
SCALE : 1" = 1'-0"

E TYP. THICKENED SLAB DETAIL
SCALE : 1" = 1'-0"

F TYP. CONCRETE PIER DETAIL
SCALE : 1" = 1'-0"

G TYP. BLOCK & STRAP BRIDGING DETAIL
SCALE : 1" = 1'-0"



H TYP. BACKING PLATE DETAIL
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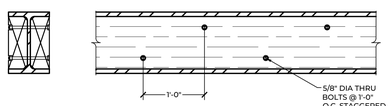

J TYP. STEEL BEAM WEB BLOCKING DETAIL
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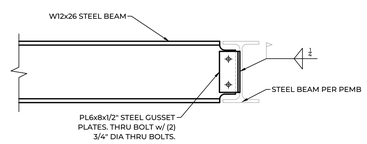

K TYP. STEEL BEAM TO BEAM CONNECTION
SCALE : 1" = 1'-0"

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REVISIONS:

No.	Description	Date
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STRUCTURAL
CONSTRUCTION DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

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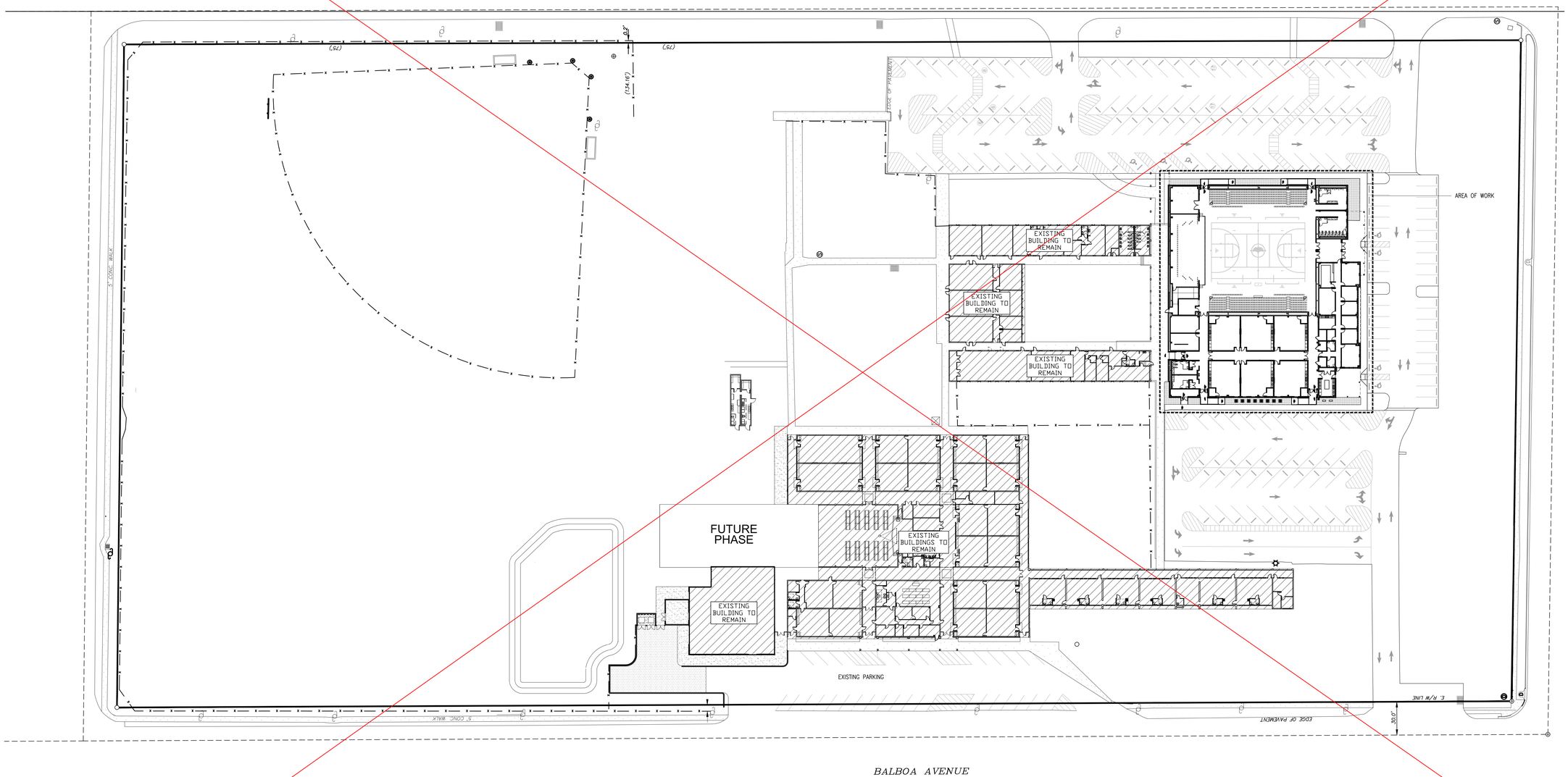

A1	SITE PLAN
SCALE: 1" = 40'-0"	

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Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:25:55-06'00'

A New Gymatorium for:
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REVISIONS:

No.	Description	Date

SITE PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A100

PLOT DATE: 3/27/2026 10:36:08 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic\Design\B2Working\Docs\ A100.A Site Plan.DWG
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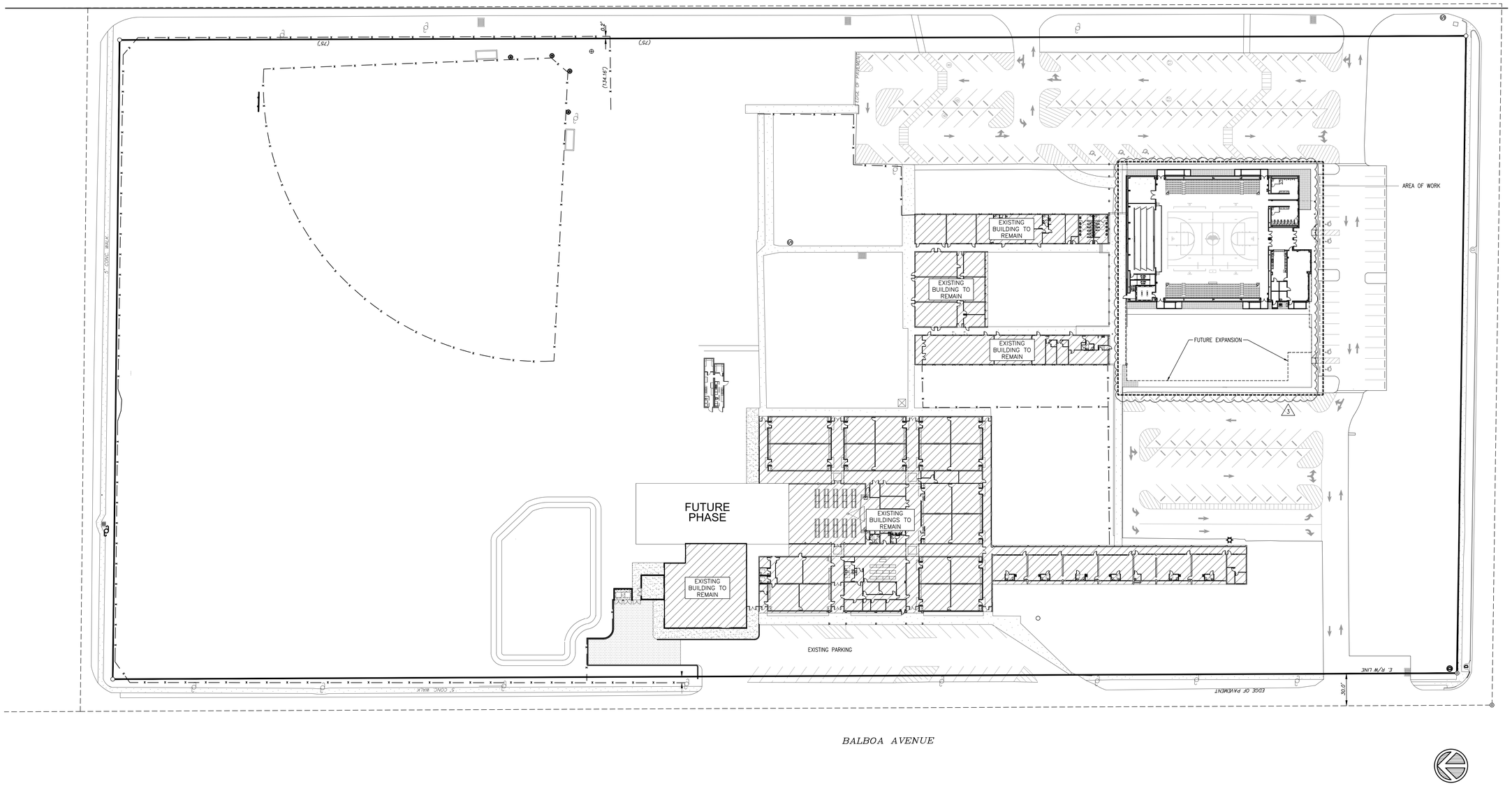

A1	SITE PLAN
SCALE: 1" = 40'-0"	

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

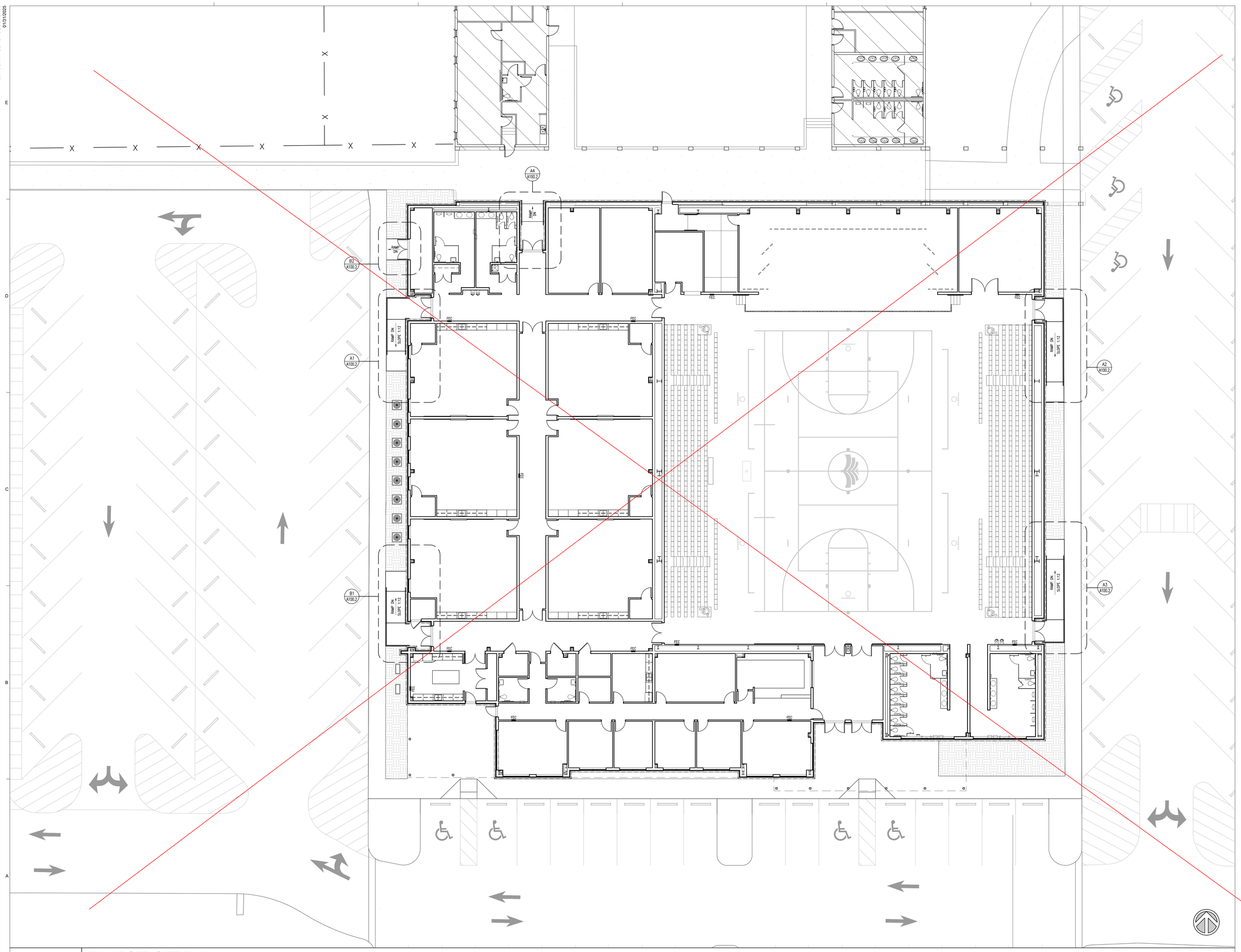
No.	Description	Date
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
SITE PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A100.A

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



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A1 ENLARGED SITE PLAN
SCALE: 1" = 10'-0"

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STATE OF FLORIDA
OWEN E. GIPSON
AR0007704
REGISTERED ARCHITECT

Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:26:57-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

ENLARGED SITE PLAN

PROJECT NUMBER: 22019
DATED 01/31/2025

A100.1

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

PLOT DATE: 3/27/2026 10:34:34 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2SWorking\Docs\ A100.A Site Plan.DWG
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FUTURE EXPANSION

RAMP DN SLOPE 1:12

FEC

A1 A100.2

A2 A100.2

A3 A100.2

A4 A100.2

B1 A100.2

5'-0"

5'-3"

10'-0"

7'-6"

9'-2"

9'-2"

28'-6"

ICE MACHINE

DRINK COOLER

A1 ENLARGED SITE PLAN

SCALE: 1" = 10'-0"

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

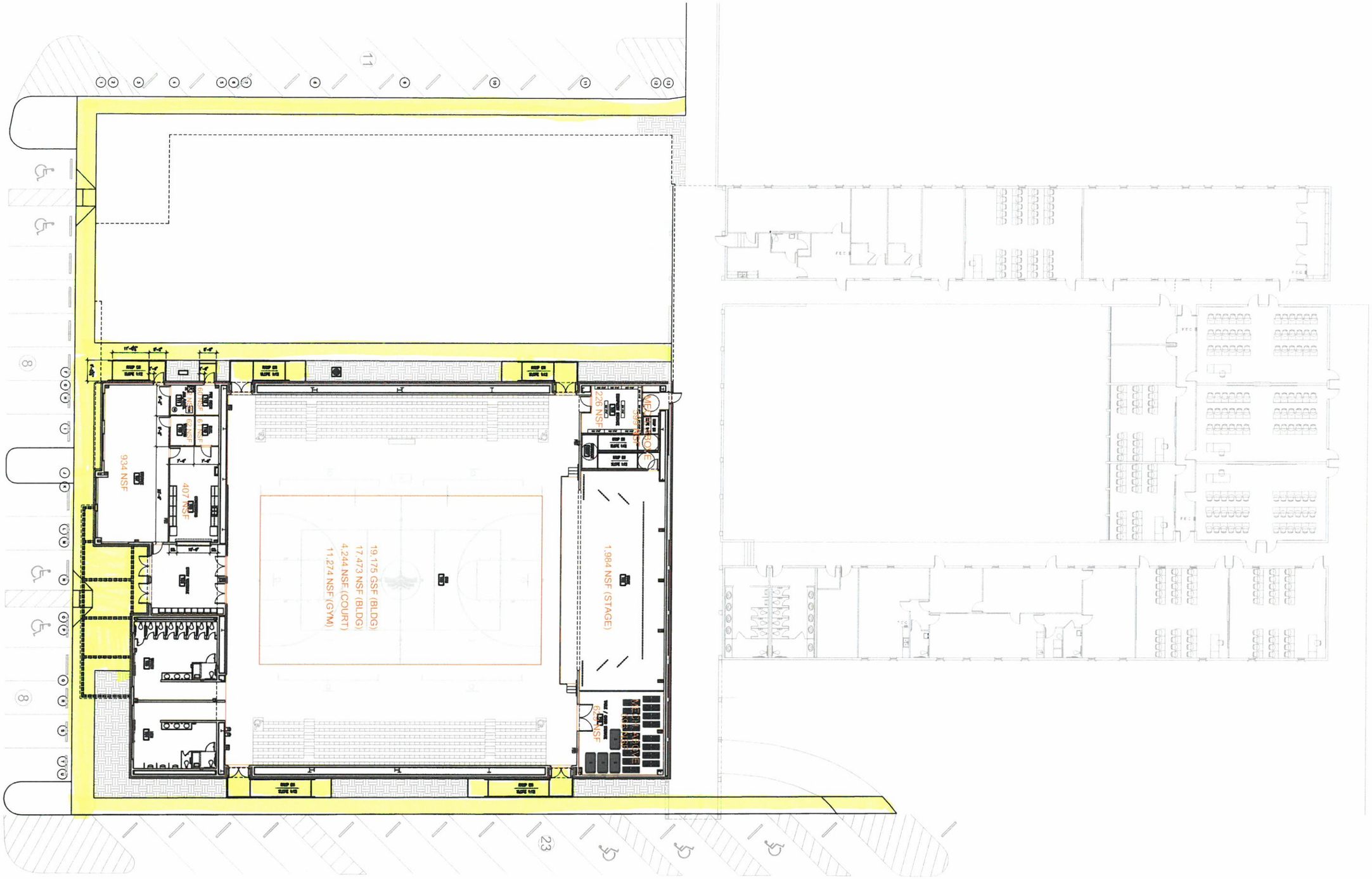
REVISIONS:

No.	Description	Date
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
ENLARGED SITE PLAN

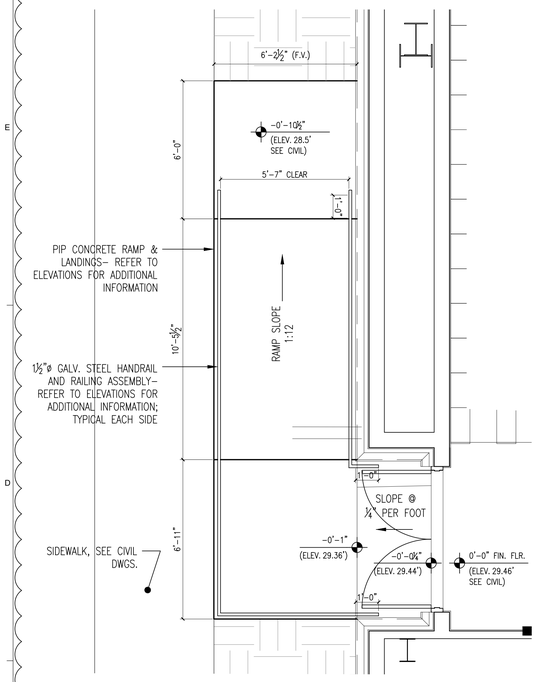
PROJECT NUMBER 22019
DATED 01/31/2025

A100.1.A



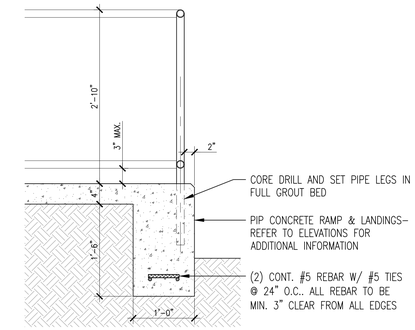
Partial Site Plan Indicating Extent / Location of Sidewalks (Highlighted in Yellow)

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

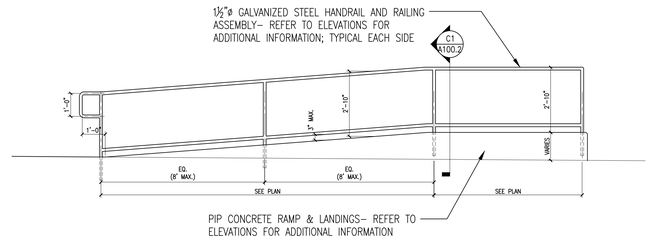


B1	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHWEST ENTRANCE - DOOR #100B

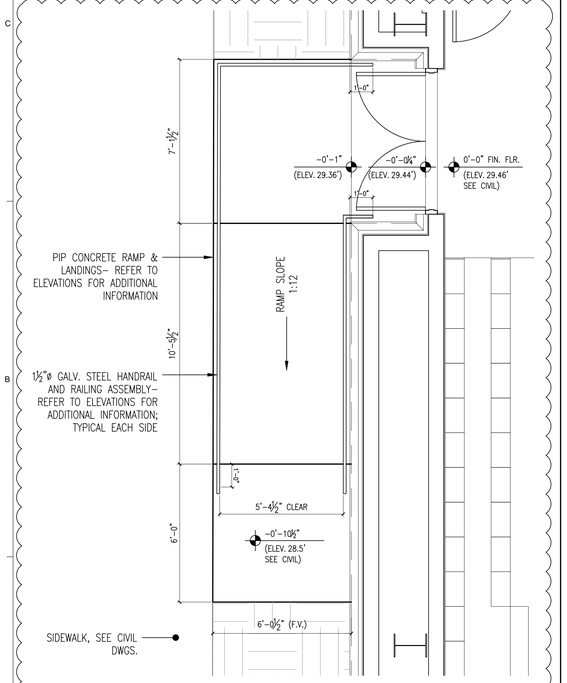
B2	DETAIL DELETED
SCALE:	



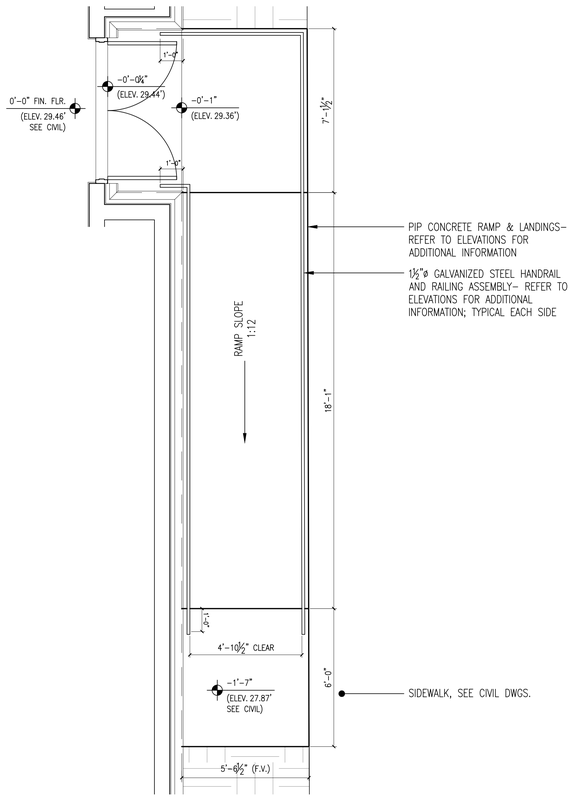
C1	TYPICAL HANDRAIL SECTION
SCALE: 1" = 1'-0"	



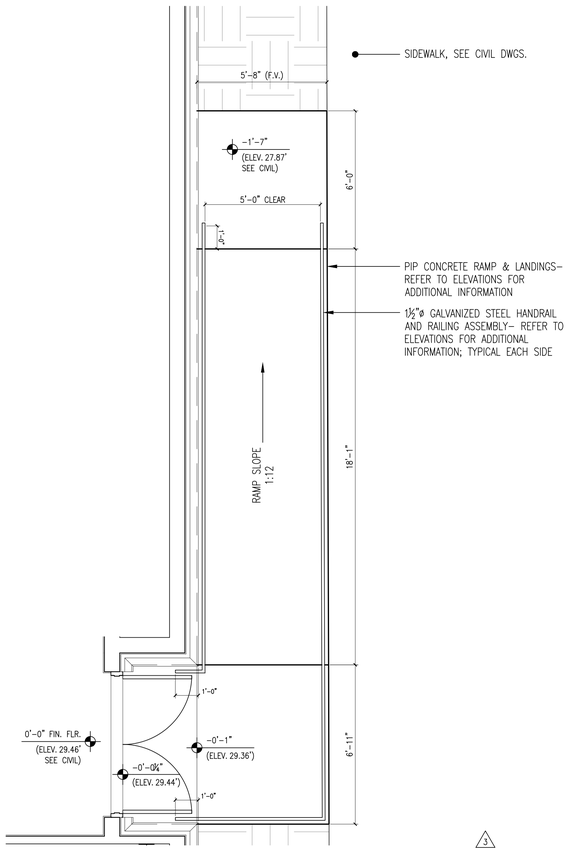
B3	TYPICAL RAMP ELEVATION
SCALE: 3/8" = 1'-0"	



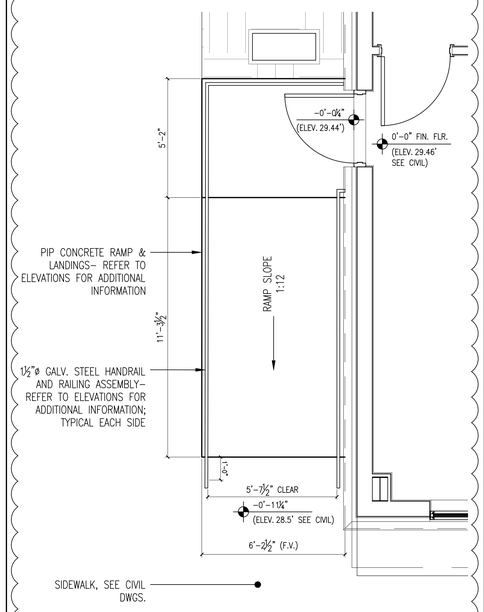
A1	RAMP PLAN
SCALE: 3/8" = 1'-0"	NORTHWEST ENTRANCE - DOOR #100D



A2	RAMP PLAN
SCALE: 3/8" = 1'-0"	NORTHEAST ENTRANCE - DOOR #100C



A3	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHEAST ENTRANCE - DOOR #100A



A4	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHWEST ENTRANCE - DOOR #107A

PLOT DATE: 3/27/2026 10:33:20 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2SWorking\Docs_A100.A Site Plan.DWG
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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

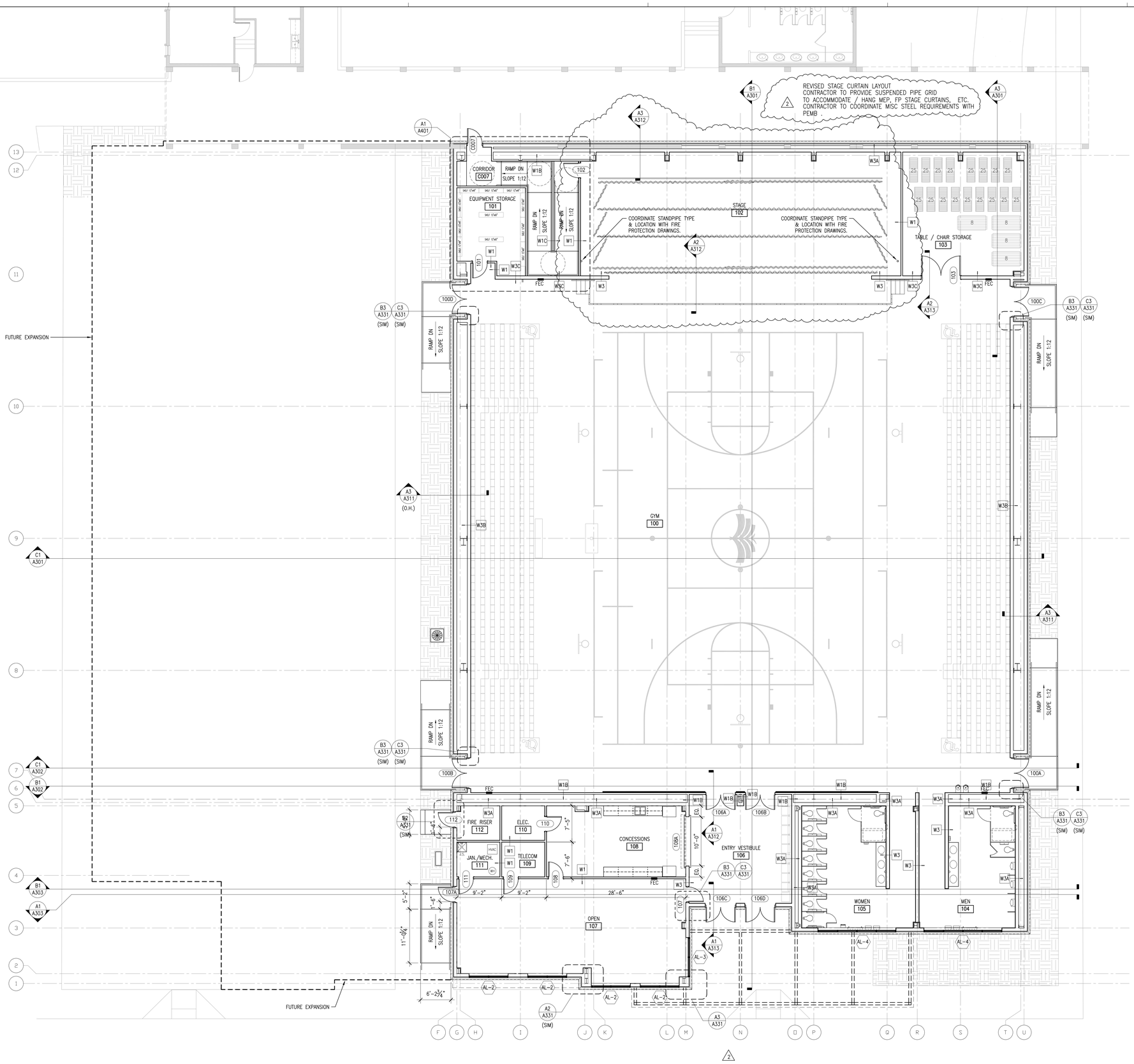
No.	Description	Date
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
SITE PLAN DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A100.2.A

22019
100% CONSTRUCTION DOCUMENTS
4/10/2025



GENERAL NOTES

1. ALL CONTRACTORS MUST FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO PERFORMING NEW WORK.
2. THE CONTRACTOR SHALL PROVIDE REINFORCING WITH MATERIALS CONSISTENT WITH CONSTRUCTION MATERIALS BEHIND WALL MOUNTED AND CEILING MOUNTED EQUIPMENT. COORDINATE WITH A/V, DATA, CASEWORK, FURNITURE, ELECTRICAL, AND INTERIOR ELEVATION DRAWINGS.
3. CONTRACTOR SHALL COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING, AND ALL OTHER DISCIPLINES.
4. INTERIOR DOORS TO BE LOCATED MIN 4" FROM ADJACENT STUD PARTITIONS AND 8" FROM ADJACENT MASONRY PARTITIONS, UNLESS DIMENSIONED OR NOTED OTHERWISE.
5. REFER TO FINISH SCHEDULE(S) IN A500 SERIES SHEETS FOR FINISHES.
6. REFER TO A600 SERIES SHEETS FOR ADDITIONAL INFORMATION, INCLUDING TOILET ROOM DIMENSIONS.
7. REFER TO LS-SERIES LIFE SAFETY SHEETS FOR FIRE RATED AND SMOKE PARTITION LOCATIONS.
8. REFER TO STRUCTURAL FOR BRACING TYPE AND LOCATIONS.
9. REFER TO PLUMBING FOR FIXTURE SCHEDULES.
10. CONTRACTOR SHALL PROVIDE ISOLATION BETWEEN DISSIMILAR METALS.
11. PROVIDE CONCRETE SPLASH BLOCKS / METAL SPLASH PANS AT ALL DOWNSPOUTS THAT DRAIN TO ROOFS OR GRADE, AND AT ALL CANOPY COLUMNS THAT DRAIN TO GRADE.

PEMB BID WARNING TO CONTRACTOR:

WITH THE SUBMISSION OF THEIR BID, THE GENERAL CONTRACTOR CERTIFIES AND HAS CONFIRMED THAT THE PRE-ENGINEERED METAL BUILDING COMPANY WHOSE PRICE WAS USED TO GENERATE THIS BID HAS THOROUGHLY REVIEWED THE REQUIREMENTS OF THE CURRENT ARCHITECTURAL AND STRUCTURAL PLANS. THE BID PRICING REFLECTS THEIR ABILITY TO PROVIDE A PRE-ENGINEERED METAL BUILDING PACKAGE THAT COMPLIES WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS TO THE ARCHITECT'S SATISFACTION. THE BIDDING CONTRACTOR FURTHER UNDERSTANDS AND ACKNOWLEDGES THAT THEY HAVE INCLUDED WITHIN THEIR BID PRICE ALL COSTS FOR ALL INITIAL OR SUPPLEMENTAL DESIGN ENGINEERING FROM THE PEMB PROVIDER TO ENSURE THAT THE APPROVED DESIGN TO BE RELEASED FOR FABRICATION COMPLIES WITH THE INTENT OF THE CONTRACT DRAWINGS. THIS INCLUDES COLUMN LOCATIONS AND SPACING, BEAM CLEAR HEIGHTS AND SPANS, AS WELL AS WINDOWS, DOORS, AND STOREFRONT OPENING REQUIREMENTS. THE COST OF ANY STEEL MATERIAL REQUIRED TO COMPLY WITH THESE ARCHITECTURAL REQUIREMENTS IS INCLUDED IN THIS BID. ADDITIONALLY, THE PEMB PROVIDER HAS INCLUDED SUITABLE DESIGN AND SUPPLEMENTAL STEEL BRACING WITHIN THE GYM ROOF FRAMING TO SUPPORT THE SIX RETRACTING BASKETBALL BACKSTOP ASSEMBLIES.

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	SCOPE REDUCTION	2/6/2026
2	ADDENDUM NO. 2	3/17/26

ALTERNATE
FLOOR PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.A

A1	FLOOR PLAN
SCALE: 1/8" = 1'-0"	

PLOT DATE: 3/20/2026 9:44:59 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Sworking\Docs\A101.A First Floor Plan.dwg
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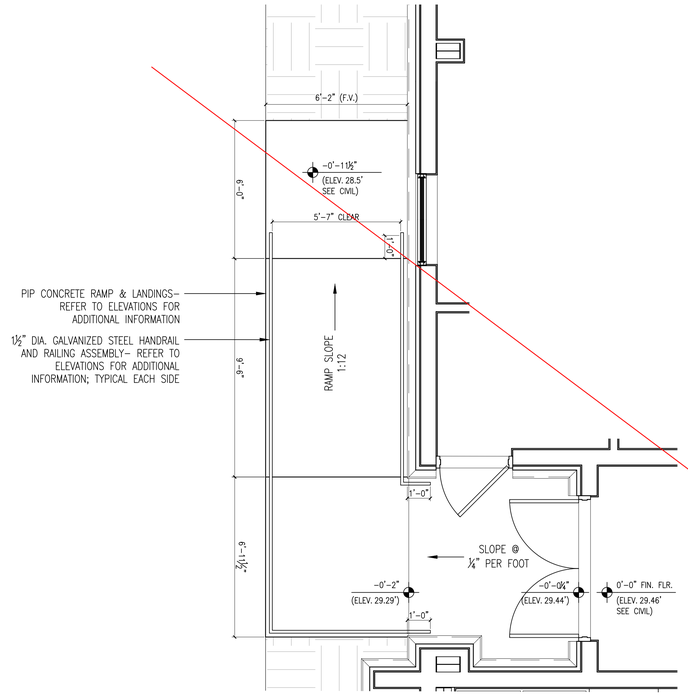
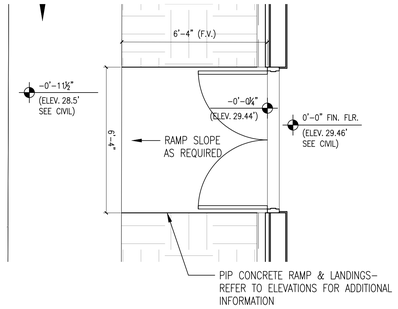
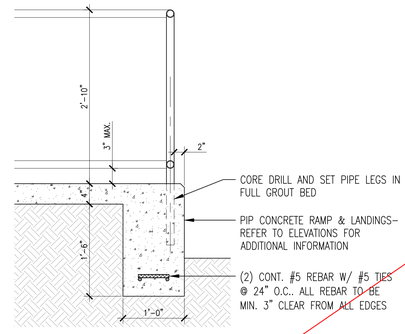
22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



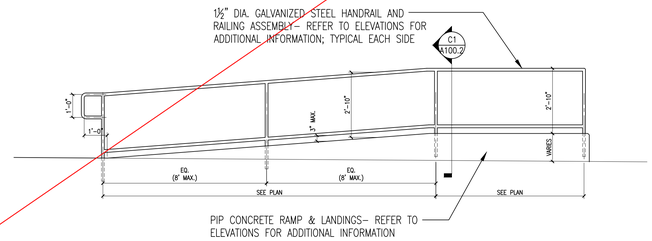
B1	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHWEST ENTRANCE



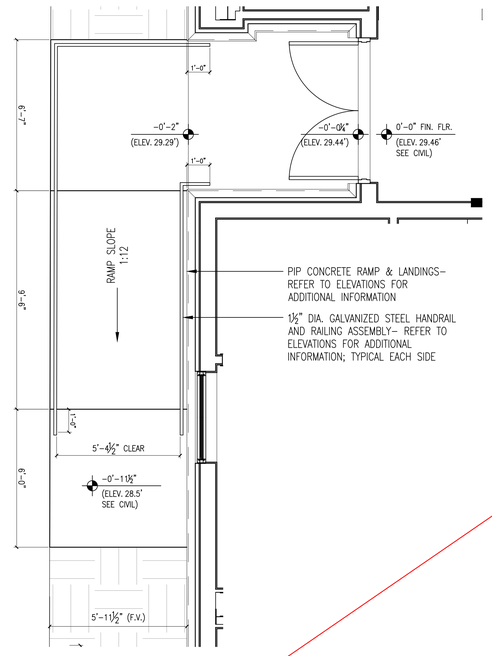
B2	RAMP PLAN
SCALE: 3/8" = 1'-0"	STORAGE ROOM #129



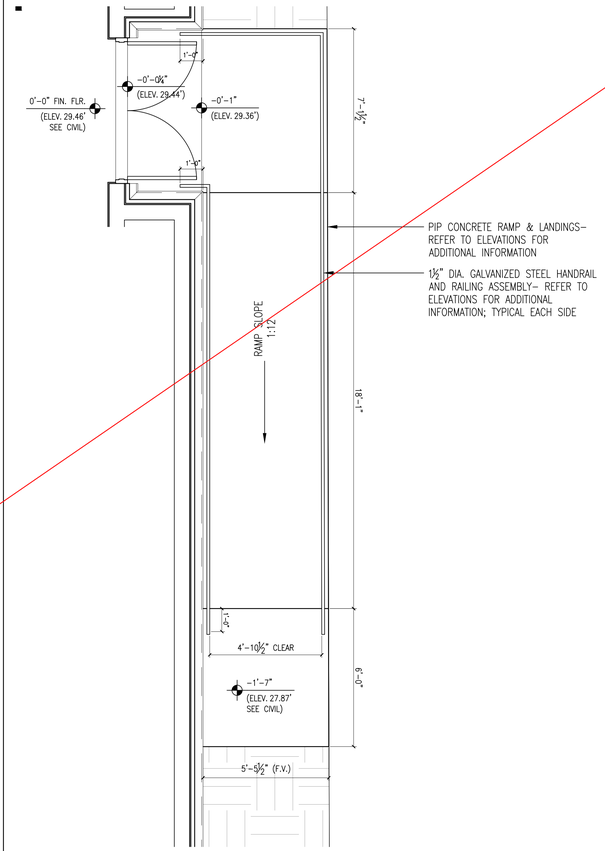
C1	TYPICAL HANDRAIL SECTION
SCALE: 1" = 1'-0"	



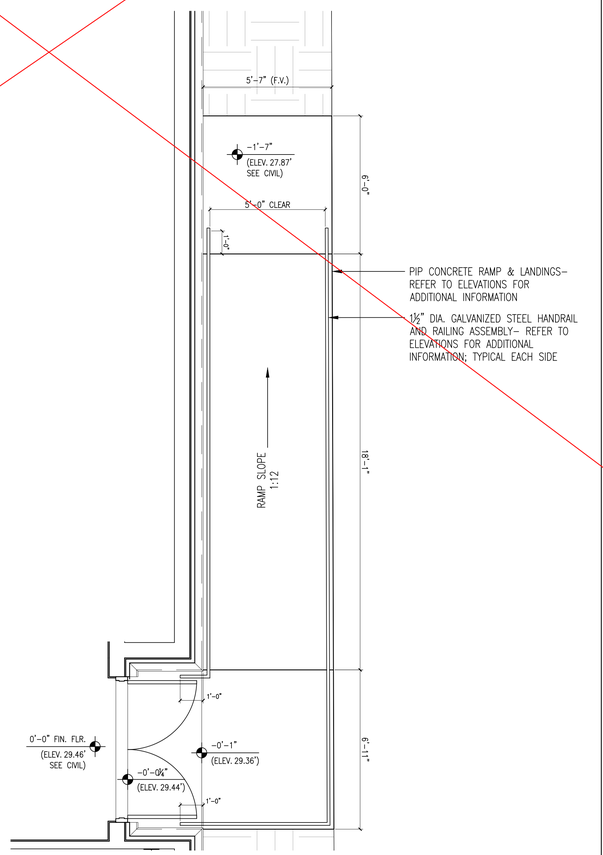
B3	TYPICAL RAMP ELEVATION
SCALE: 3/8" = 1'-0"	



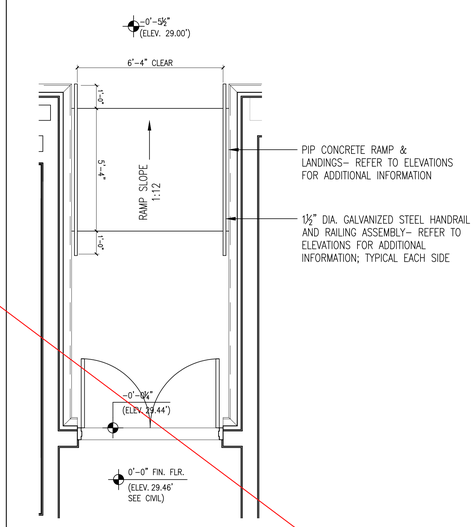
A1	RAMP PLAN
SCALE: 3/8" = 1'-0"	NORTHWEST ENTRANCE



A2	RAMP PLAN
SCALE: 3/8" = 1'-0"	NORTHEAST ENTRANCE



A3	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHEAST ENTRANCE



A4	RAMP PLAN
SCALE: 3/8" = 1'-0"	NORTH ENTRANCE

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Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:27:19-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

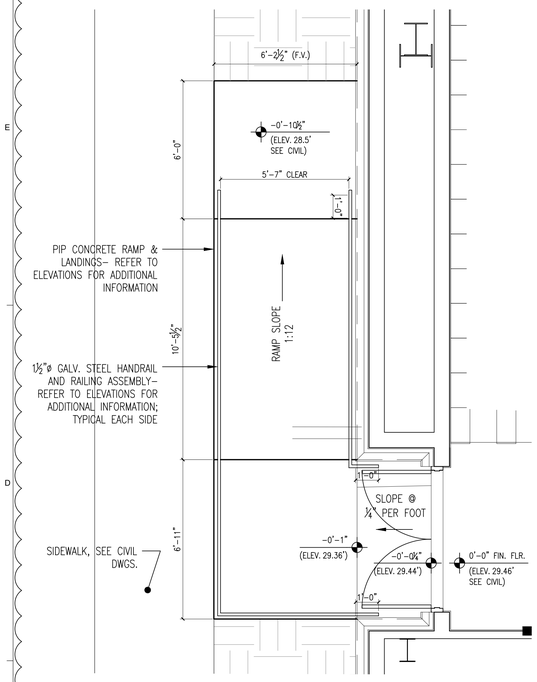
No.	Description	Date

SITE PLAN DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

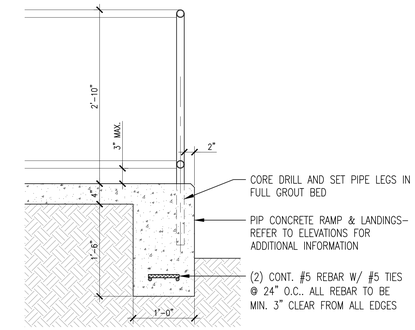
A100.2

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

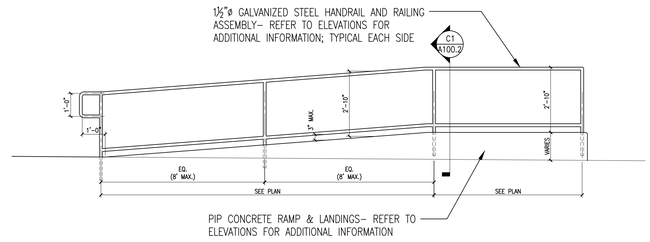


B1	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHWEST ENTRANCE - DOOR #100B

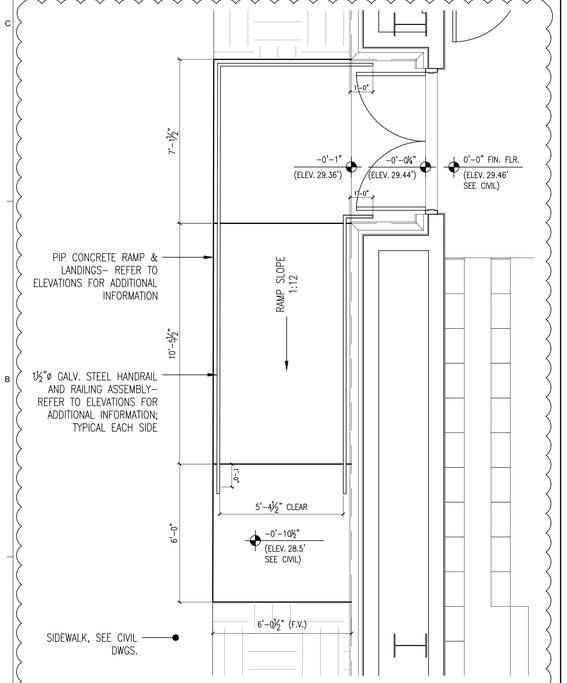
B2	DETAIL DELETED
SCALE:	



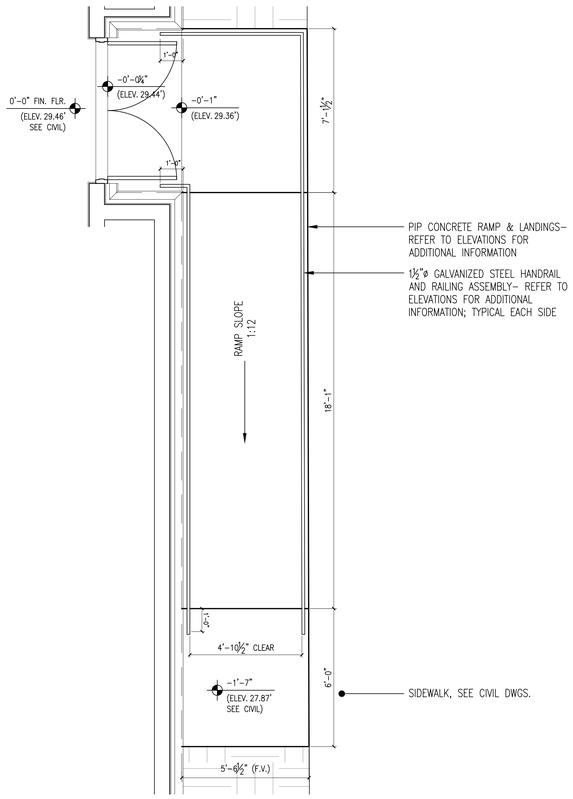
C1	TYPICAL HANDRAIL SECTION
SCALE: 1" = 1'-0"	



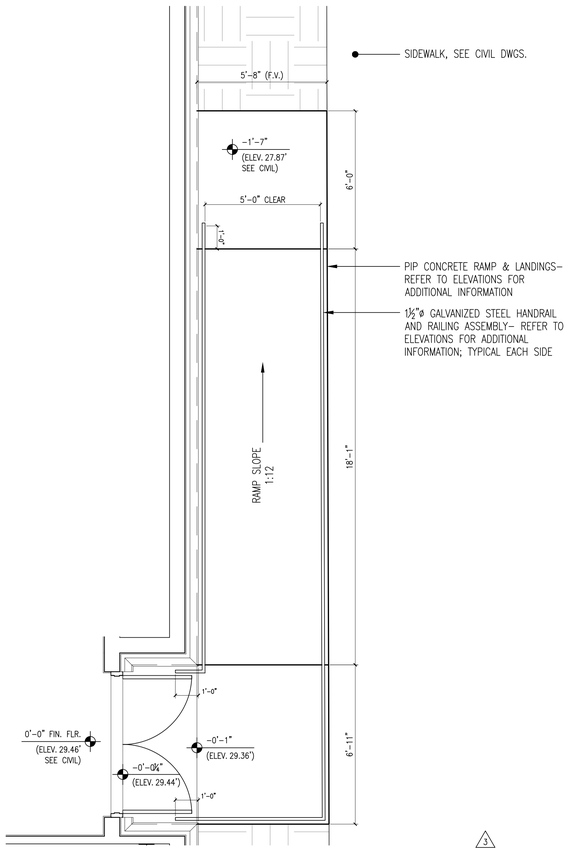
B3	TYPICAL RAMP ELEVATION
SCALE: 3/8" = 1'-0"	



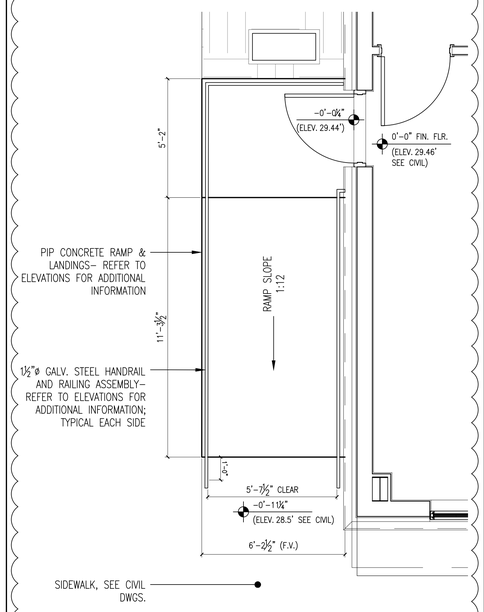
A1	RAMP PLAN
SCALE: 3/8" = 1'-0"	NORTHWEST ENTRANCE - DOOR #100D



A2	RAMP PLAN
SCALE: 3/8" = 1'-0"	NORTHEAST ENTRANCE - DOOR #100C



A3	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHEAST ENTRANCE - DOOR #100A



A4	RAMP PLAN
SCALE: 3/8" = 1'-0"	SOUTHWEST ENTRANCE - DOOR #107A

PLOT DATE: 3/27/2026 10:33:20 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2SWorking\Docs_A100.A Site Plan.DWG
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100% CONSTRUCTION DOCUMENTS

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PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
3	ADDENDUM NO. 3	3/27/26

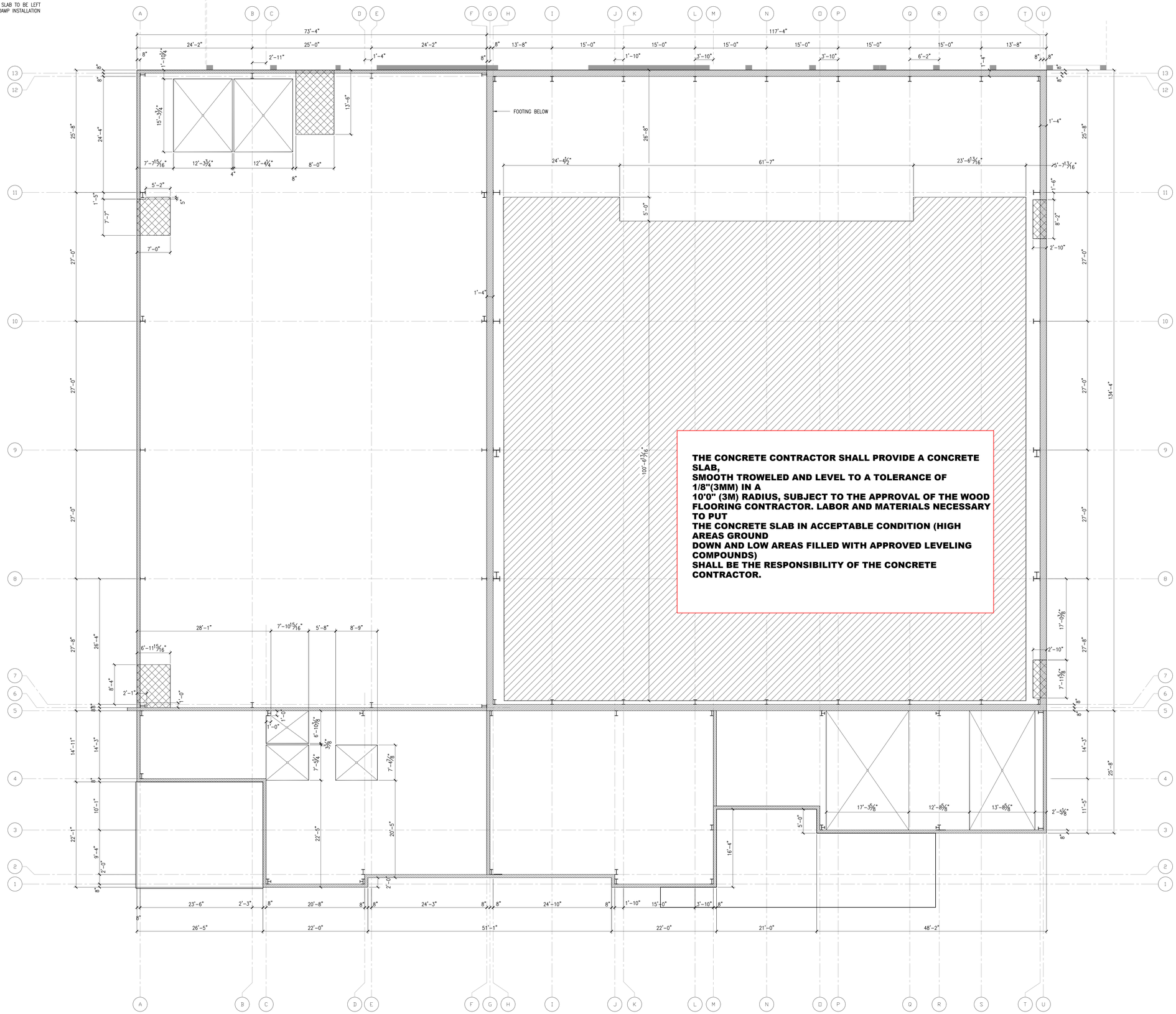
ALTERNATE
SITE PLAN DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A100.2.A

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

REPRESENTS AREA OF SLAB TO BE LEFT VOID TO ALLOW FOR RAMP INSTALLATION



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A1	EDGE OF SLAB PLAN
SCALE: 1/8" = 1'-0"	

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Date: 2025.02.07 15:27:45-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

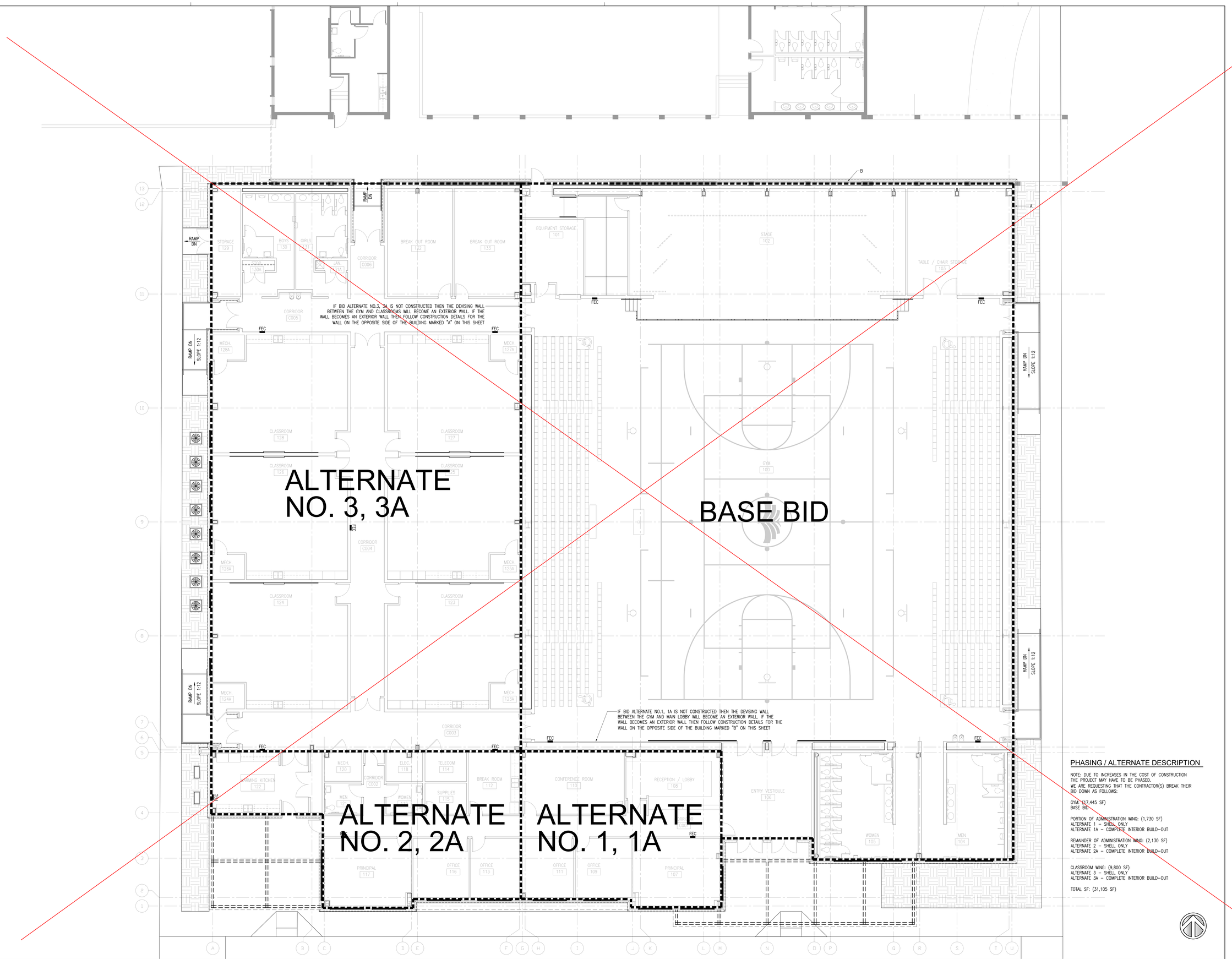
No.	Description	Date

EDGE OF SLAB PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

EOS

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



PHASING / ALTERNATE DESCRIPTION

NOTE: DUE TO INCREASES IN THE COST OF CONSTRUCTION THE PROJECT MAY HAVE TO BE PHASED. WE ARE REQUESTING THAT THE CONTRACTOR(S) BREAK THEIR BID DOWN AS FOLLOWS:

GYM: (17,445 SF)
BASE BID:

PORTION OF ADMINISTRATION WING: (1,730 SF)
ALTERNATE 1 – SHELL ONLY
ALTERNATE 1A – COMPLETE INTERIOR BUILD-OUT

REMAINDER OF ADMINISTRATION WING: (2,130 SF)
ALTERNATE 2 – SHELL ONLY
ALTERNATE 2A – COMPLETE INTERIOR BUILD-OUT

CLASSROOM WING: (9,800 SF)
ALTERNATE 3 – SHELL ONLY
ALTERNATE 3A – COMPLETE INTERIOR BUILD-OUT

TOTAL SF: (31,105 SF)

A1	PHASING PLAN
SCALE: 1/8" = 1'-0"	

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

PHASING PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

PHASING

22019
01/31/2025
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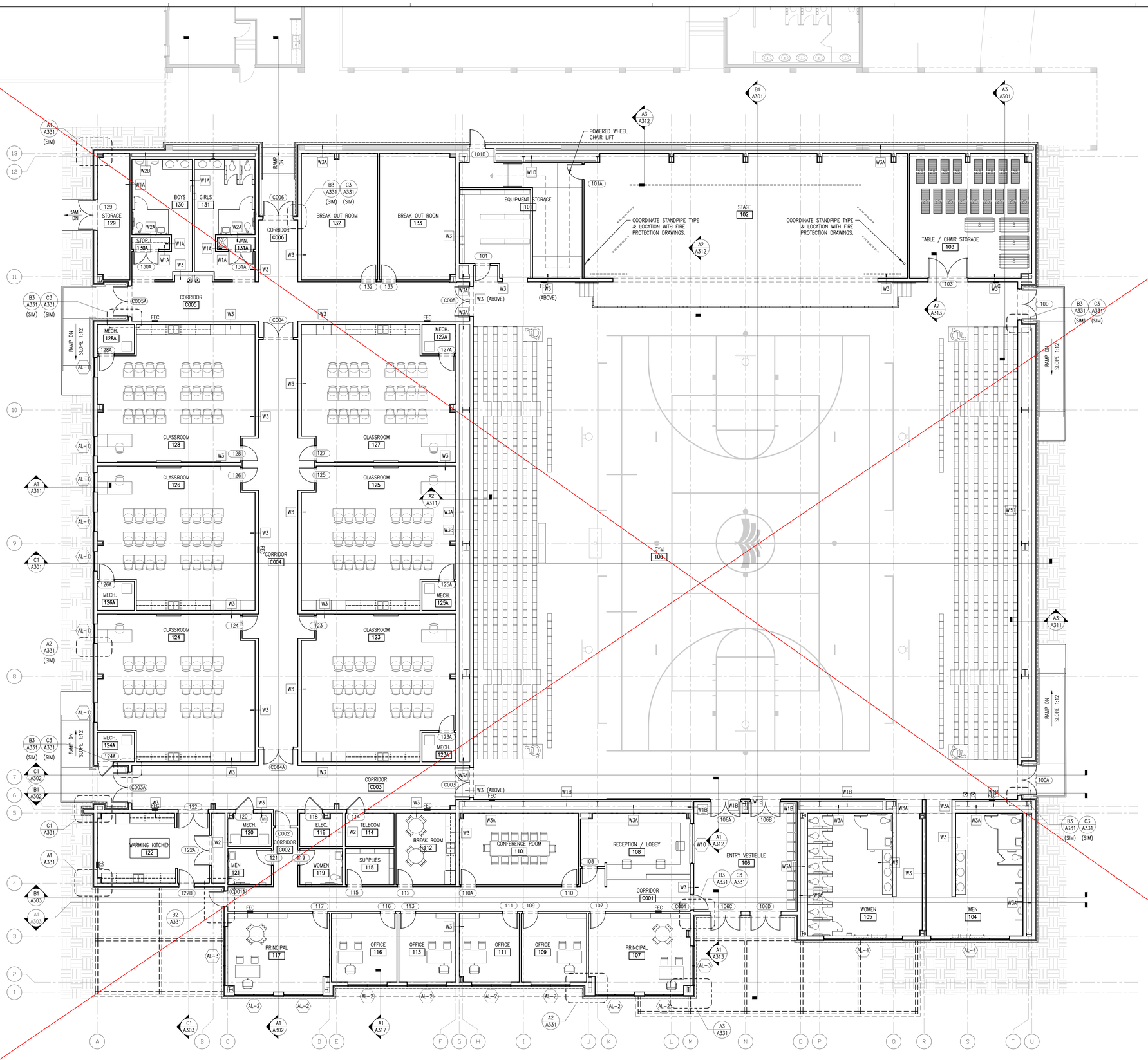

GENERAL NOTES

1. ALL CONTRACTORS MUST FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO PERFORMING NEW WORK.
2. THE CONTRACTOR SHALL PROVIDE REINFORCING WITH MATERIALS CONSISTENT WITH CONSTRUCTION MATERIALS BEHIND WALL MOUNTED AND CEILING MOUNTED EQUIPMENT. COORDINATE WITH A/V, DATA, CASEWORK, FURNITURE, ELECTRICAL, AND INTERIOR ELEVATION DRAWINGS.
3. CONTRACTOR SHALL COORDINATE WORK WITH MECHANICAL, ELECTRICAL, PLUMBING, AND ALL OTHER DISCIPLINES.
4. INTERIOR DOORS TO BE LOCATED MIN 4" FROM ADJACENT STUD PARTITIONS AND 8" FROM ADJACENT MASONRY PARTITIONS, UNLESS DIMENSIONED OR NOTED OTHERWISE.
5. REFER TO FINISH SCHEDULE(S) IN A500 SERIES SHEETS FOR FINISHES.
6. REFER TO A600 SERIES SHEETS FOR ADDITIONAL INFORMATION, INCLUDING TOILET ROOM DIMENSIONS.
7. REFER TO LS-SERIES LIFE SAFETY SHEETS FOR FIRE RATED AND SMOKE PARTITION LOCATIONS.
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PEMB BID WARNING TO CONTRACTOR:

WITH THE SUBMISSION OF THEIR BID, THE GENERAL CONTRACTOR CERTIFIES AND HAS CONFIRMED THAT THE PRE-ENGINEERED METAL BUILDING COMPANY WHOSE PRICE WAS USED TO GENERATE THIS BID HAS THOROUGHLY REVIEWED THE REQUIREMENTS OF THE CURRENT ARCHITECTURAL AND STRUCTURAL PLANS. THE BID PRICING REFLECTS THEIR ABILITY TO PROVIDE A PRE-ENGINEERED METAL BUILDING PACKAGE THAT COMPLIES WITH THE REQUIREMENTS OF THE CONTRACT DRAWINGS TO THE ARCHITECT'S SATISFACTION. THE BIDDING CONTRACTOR FURTHER UNDERSTANDS AND ACKNOWLEDGES THAT THEY HAVE INCLUDED WITHIN THEIR BID PRICE ALL COSTS FOR ALL INITIAL OR SUPPLEMENTAL DESIGN ENGINEERING FROM THE PEMB PROVIDER TO ENSURE THAT THE APPROVED DESIGN TO BE RELEASED FOR FABRICATION COMPLIES WITH THE INTENT OF THE CONTRACT DRAWINGS. THIS INCLUDES COLUMN LOCATIONS AND SPACING, BEAM CLEAR HEIGHTS AND SPANS, AS WELL AS WINDOWS, DOORS, AND STOREFRONT OPENING REQUIREMENTS. THE COST OF ANY STEEL MATERIAL REQUIRED TO COMPLY WITH THESE ARCHITECTURAL REQUIREMENTS IS INCLUDED IN THIS BID. ADDITIONALLY, THE PEMB PROVIDER HAS INCLUDED SUITABLE DESIGN AND SUPPLEMENTAL STEEL BRACING WITHIN THE GYM ROOF FRAMING TO SUPPORT THE SIX RETRACTING BASKETBALL BACKSTOP ASSEMBLIES.

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

FLOOR PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101

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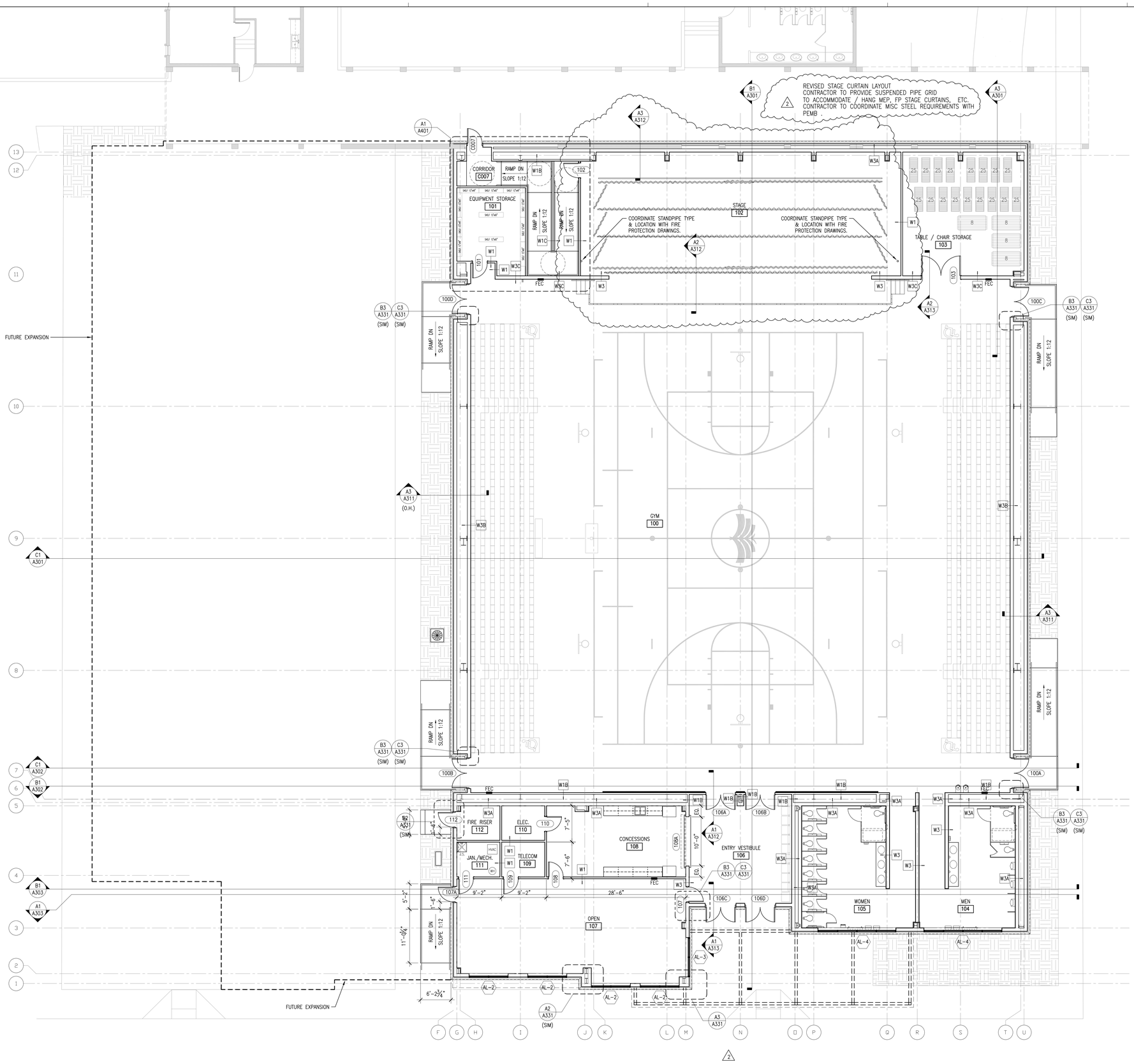
A1 FLOOR PLAN
SCALE: 1/8" = 1'-0"

22019
100% CONSTRUCTION DOCUMENTS
4/10/2025



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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	SCOPE REDUCTION	2/6/2026
2	ADDENDUM NO. 2	3/17/26

ALTERNATE
FLOOR PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.A

A1	FLOOR PLAN
SCALE: 1/8" = 1'-0"	

PLOT DATE: 3/20/2026 9:44:59 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Sworking\Docs\A101.A First Floor Plan.dwg
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22019
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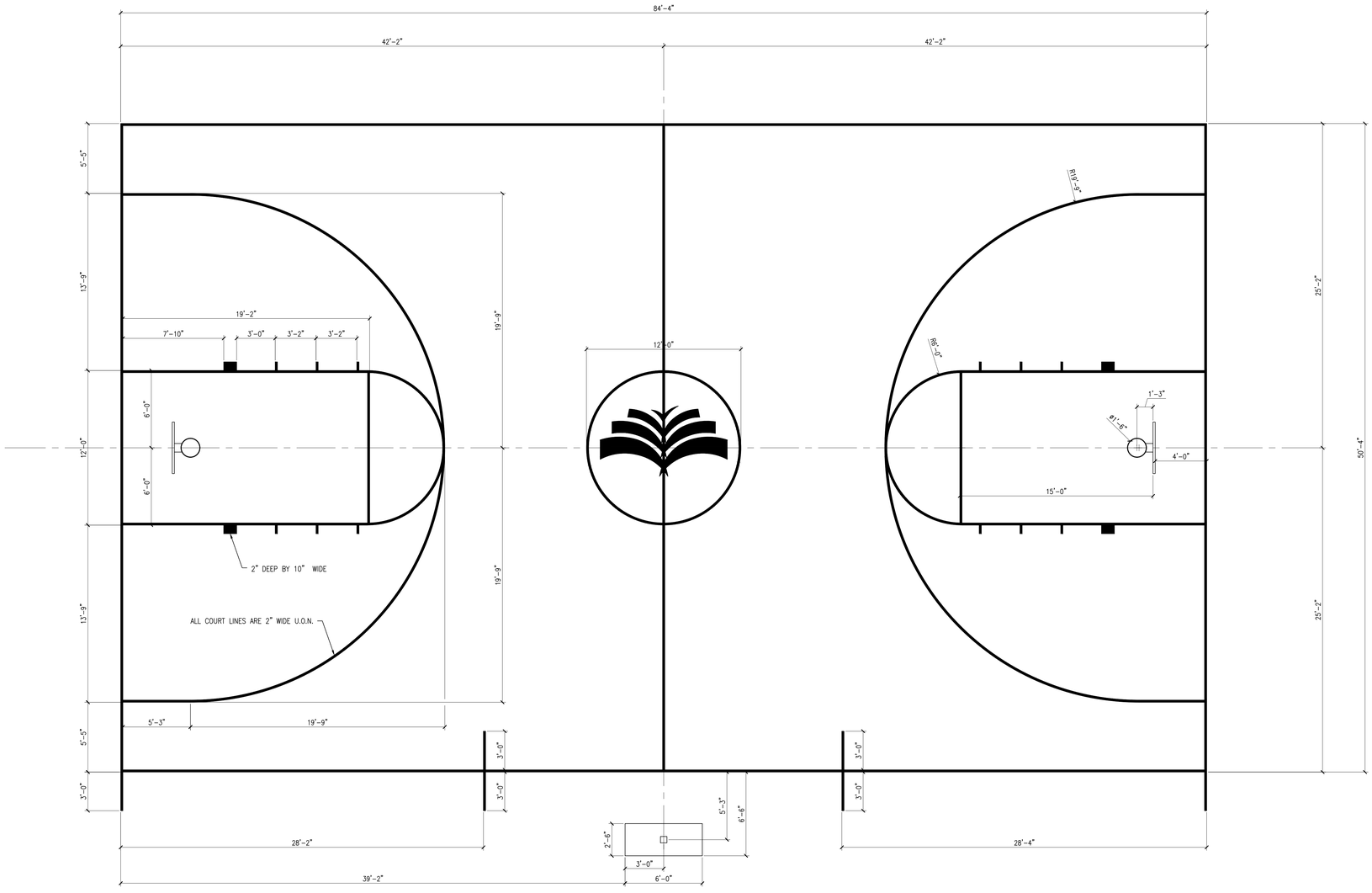
01/31/2025



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STATE OF FLORIDA
OWEN ERIC GIPSON
AR0017744
REGISTERED ARCHITECT

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

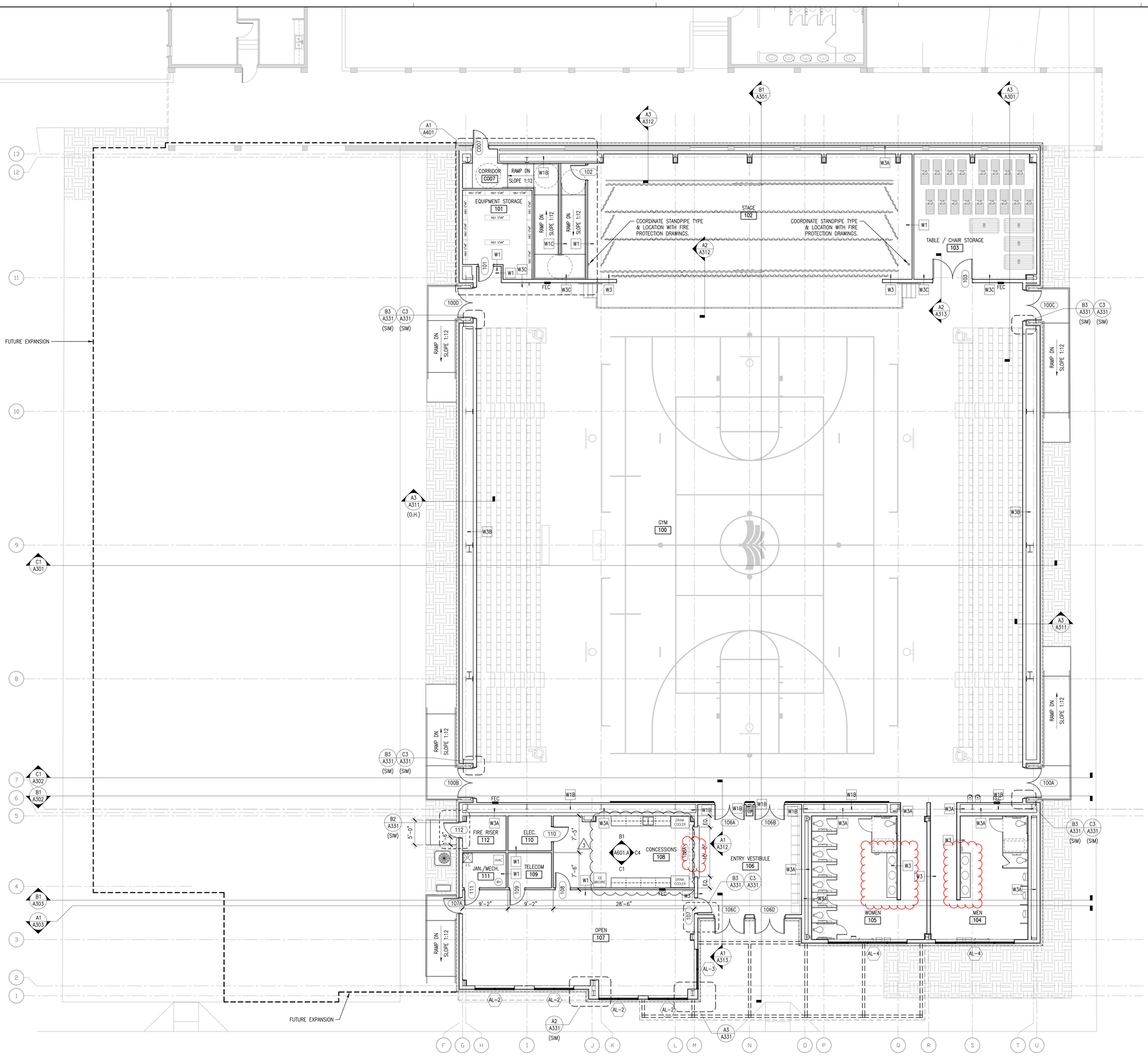
STRIPING PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.01

A1	STRIPING PLAN - PRIMARY COURT
SCALE: 1/4" = 1'-0"	MAIN COURT

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	SCOPE REDUCTION	2/6/2026
2	ADDENDUM NO. 2	3/17/26
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
FLOOR PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.A

A1
FLOOR PLAN
SCALE: 1/8" = 1'-0"

PLOT DATE: 3/27/2026 10:37:11 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2Working\Docs\A101.A First Floor Plan.dwg
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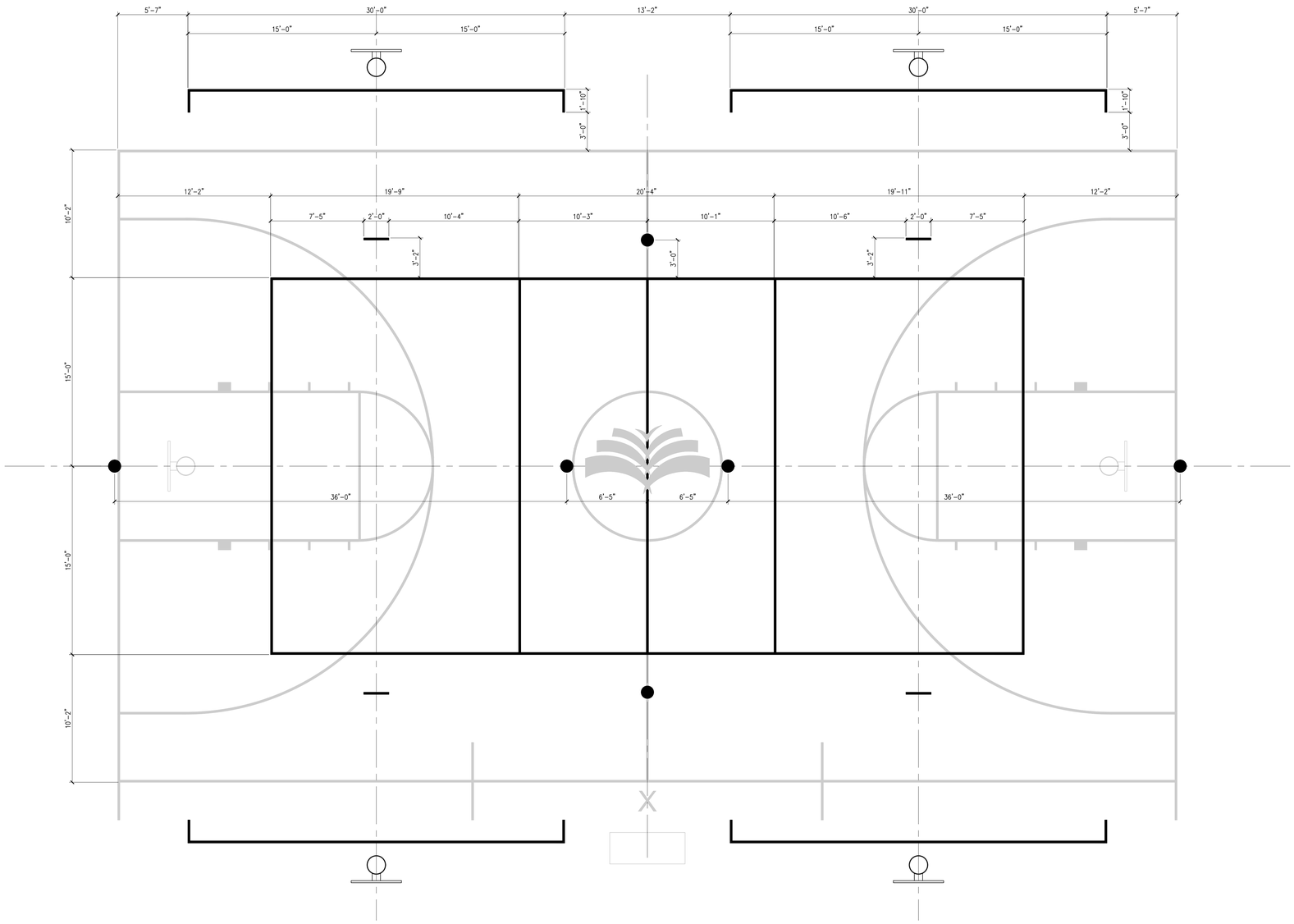
22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



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Date: 2025.02.07 15:29:35-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

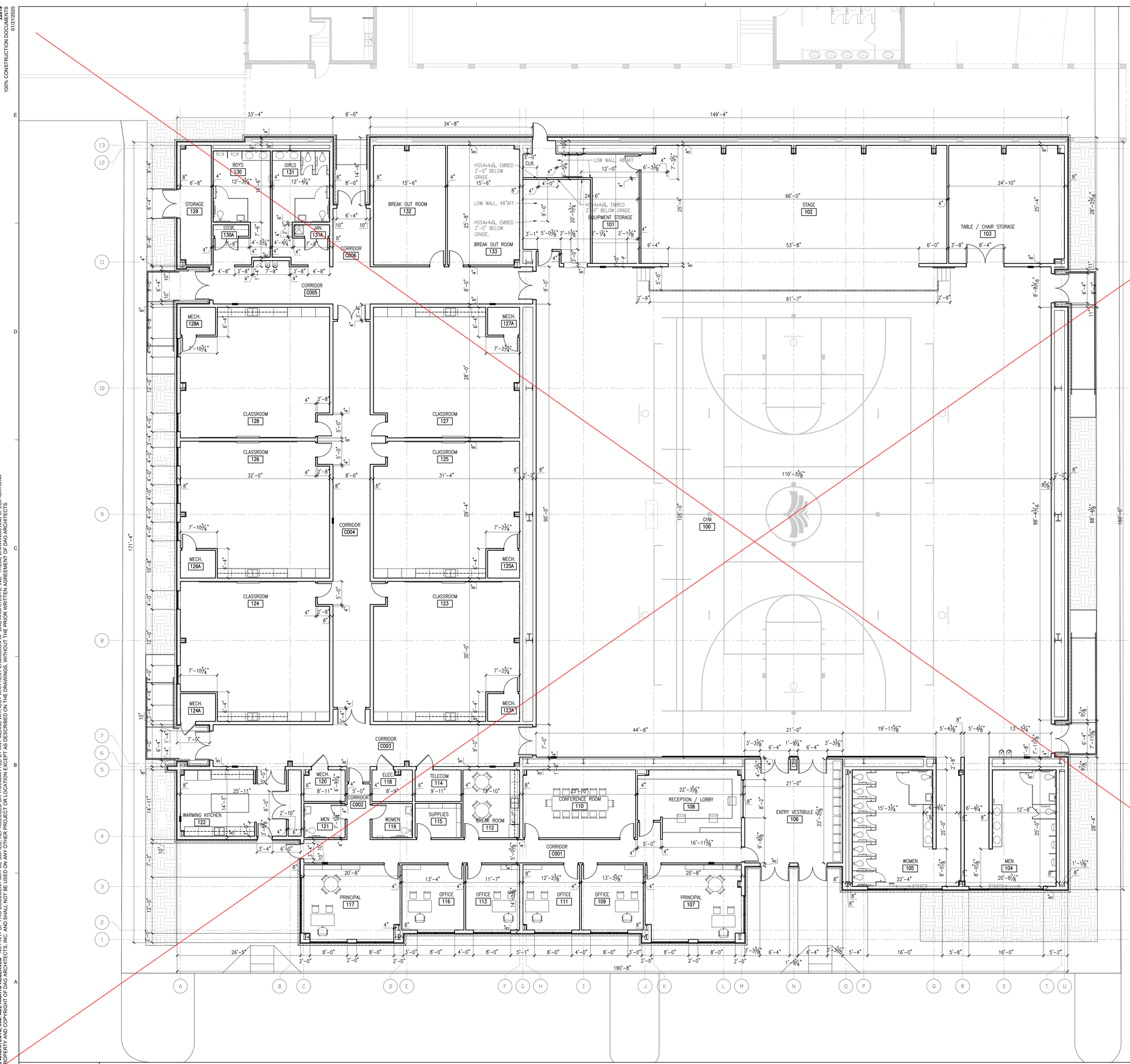
STRIPING PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.02

A1
STRIPING PLAN - SECONDARY COURT
SCALE: 1/4" = 1'-0"
VOLLEYBALL AND PRACTICE COURTS

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



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A1 DIMENSION PLAN
SCALE: 1/8" = 1'-0"

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STATE OF FLORIDA · JOHN E. GIPSON · 14 · AR0017764 · REGISTERED ARCHITECT

Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:29:57-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

FIRST FLOOR DIMENSION PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.1

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

PLOT DATE: 3/2/2026 4:23:21 PM
DWG. LOCATION: G:\PC Harrison\Projects\3022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2Working\Docs\A101.2.A Reflected Ceiling Plan.dwg
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GENERAL NOTES

1. CONTRACTORS SHALL COORDINATE ALL WORK, SHOWN OR UN-SHOWN, WITH ALL OTHER DISCIPLINES.
2. CONTRACTOR SHALL PROVIDE REINFORCING [TYPE TBD] BEHIND ALL CEILING MOUNTED EQUIPMENT.
3. REFER TO FINISH SCHEDULE(S) IN A-600 SERIES SHEETS FOR FINISHES AND ADDITIONAL INFORMATION.
4. ALL ACCESS PANEL SIZES AND LOCATIONS TO BE COORDINATED WITH MECHANICAL, ELECTRICAL, PLUMBING, AND FIRE SPRINKLER WORK.
5. CENTER ACT GRID AND LIGHTS WITHIN EACH ROOM, UNO.
6. REFER TO ELECTRICAL FOR LIGHTING FIXTURE SCHEDULE(S).
7. ALL FIRE SPRINKLER HEADS AND ELECTRICAL FIXTURES SHALL BE CENTERED WITHIN CEILING TILES, UNO.
8. CEILING HEIGHTS NOTED REFERENCE ELEVATION ABOVE FINISH FLOOR OF ASSOCIATED BUILDING LEVEL.

ACOUSTICAL TILE CEILING

5/8" GYP. BOARD CEILING

EXPOSED STRUCTURE W/ DRY FOG PAINT

EXPOSED STRUCTURE

DAG ARCHITECTS

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A New Gymatorium for:
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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	ASI #2 / RESPONSE TO RFI #2	8/8/2025
3	ADDENDUM NO. 3	3/2726

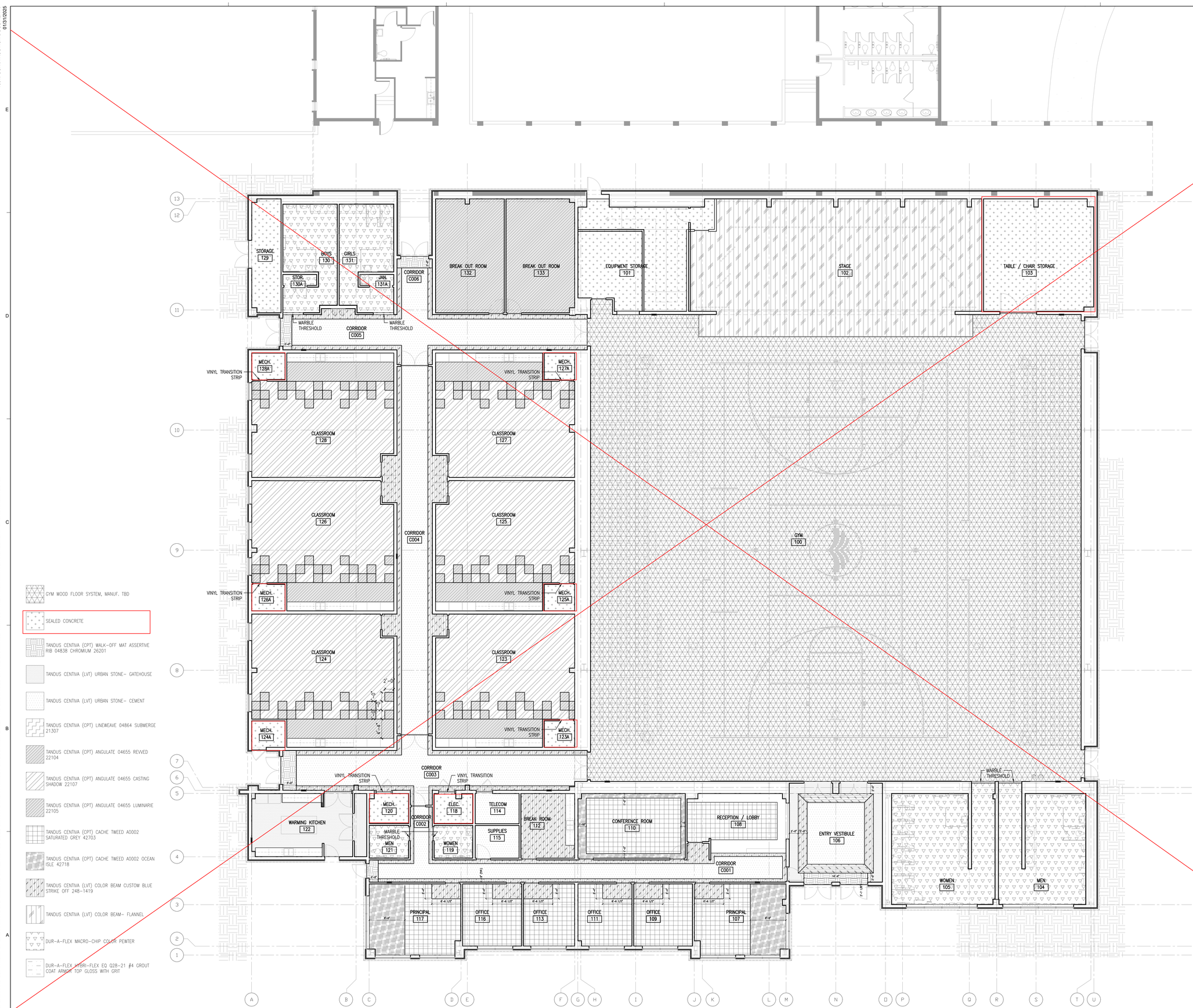
ALTERNATE REFLECTED CEILING PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.2.A

A1 — REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



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A1 FINISH PLAN
SCALE: 1/8" = 1'-0"

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

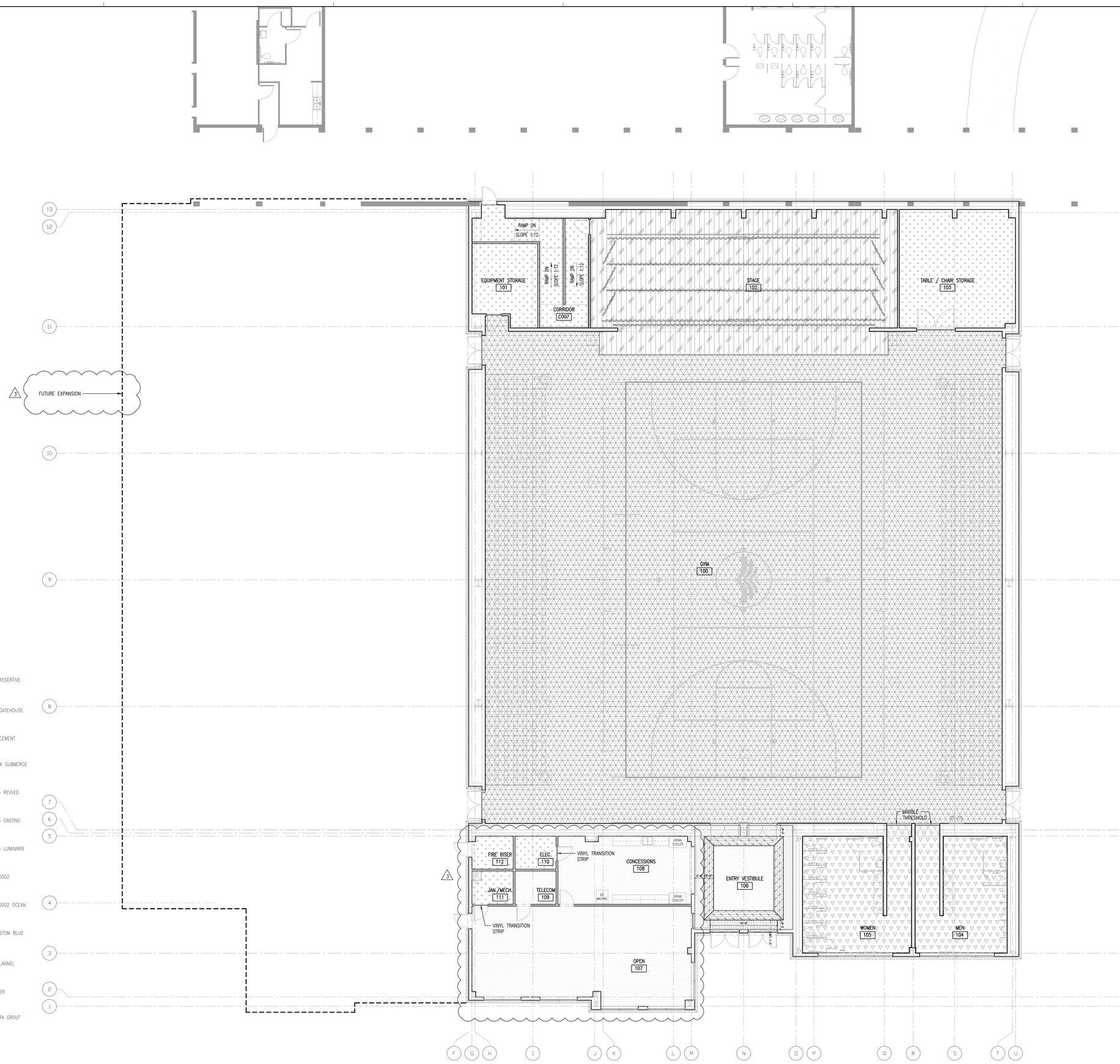
No.	Description	Date

FINISH PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A101.3

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



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A1 FINISH PLAN
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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
FINISH PLAN

PROJECT NUMBER 22019
DATED 01/31/2025

A101.3.A

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22019
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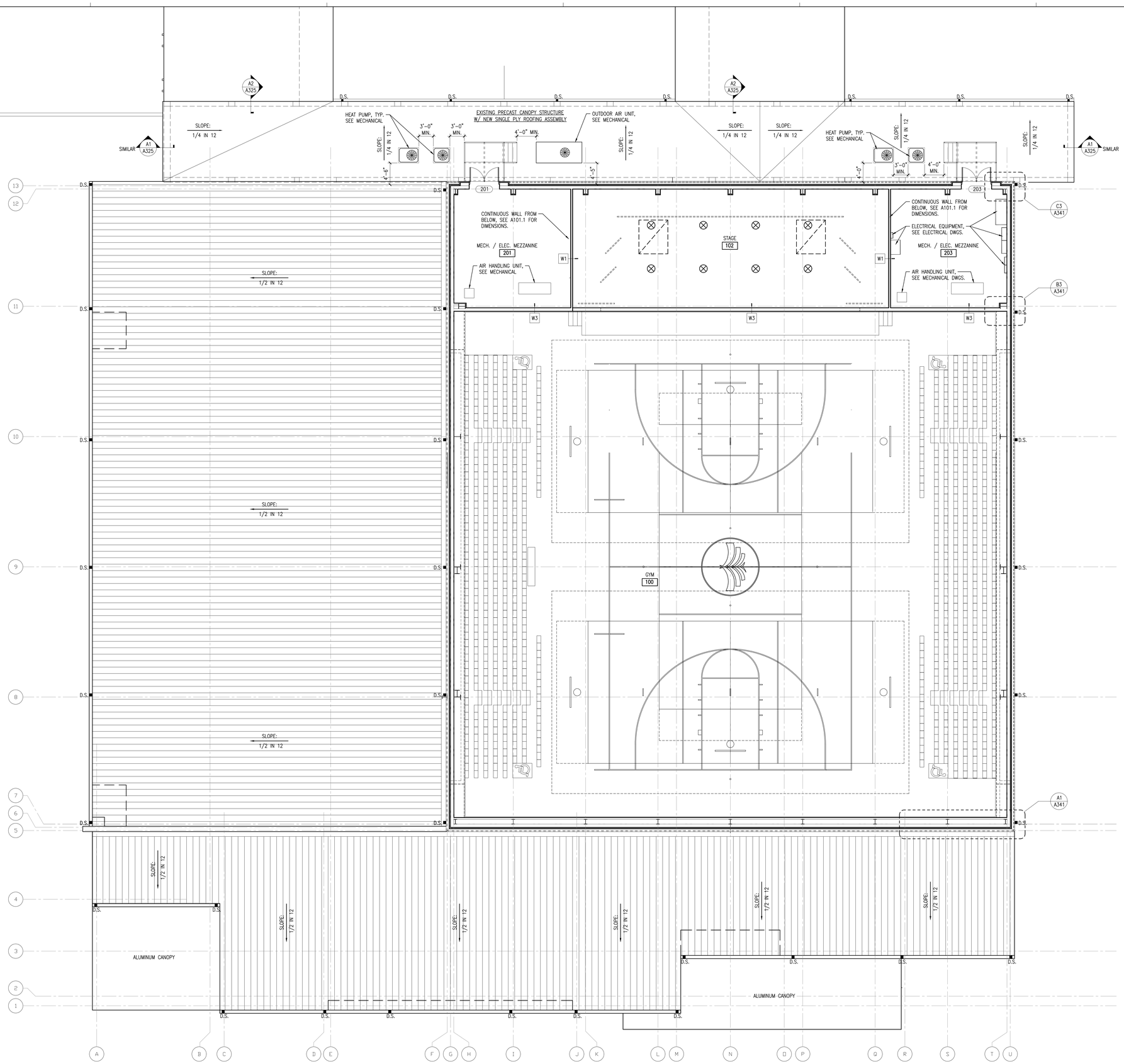

A1 MEZZANINE / ROOF PLAN

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

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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

MEZZANINE / ROOF PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A102

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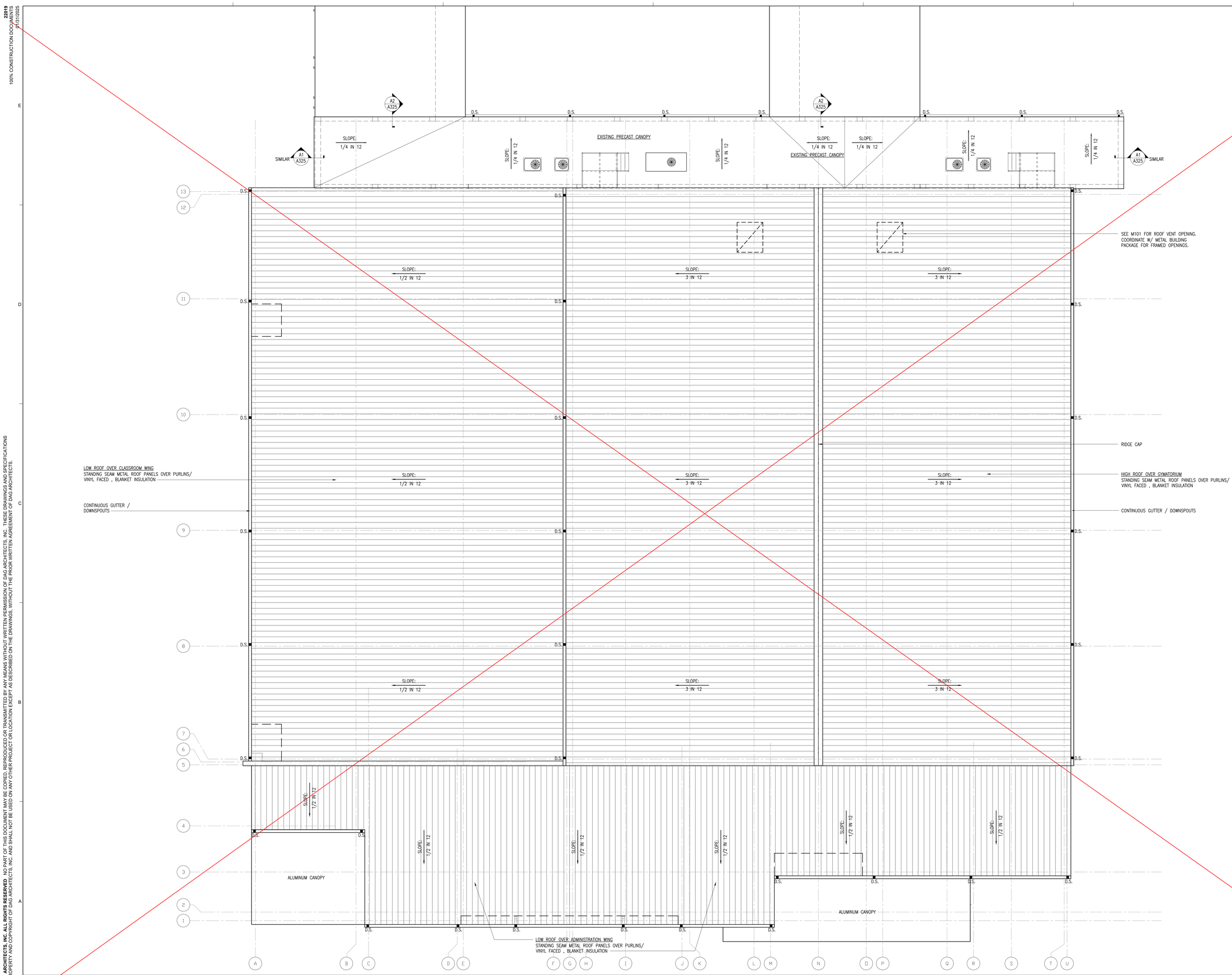

A1 ROOF PLAN

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

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REVISIONS:

No.	Description	Date

ROOF PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

A103

22019
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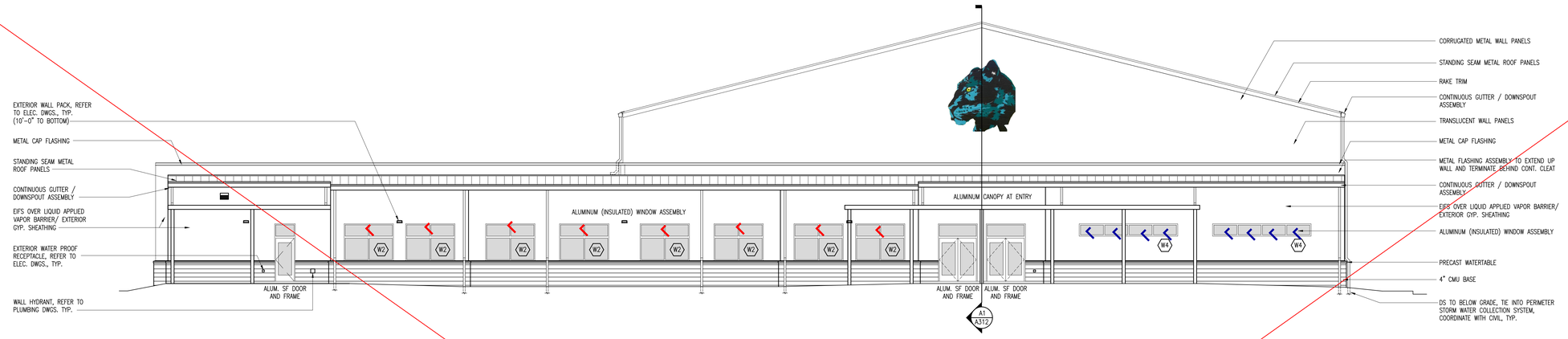
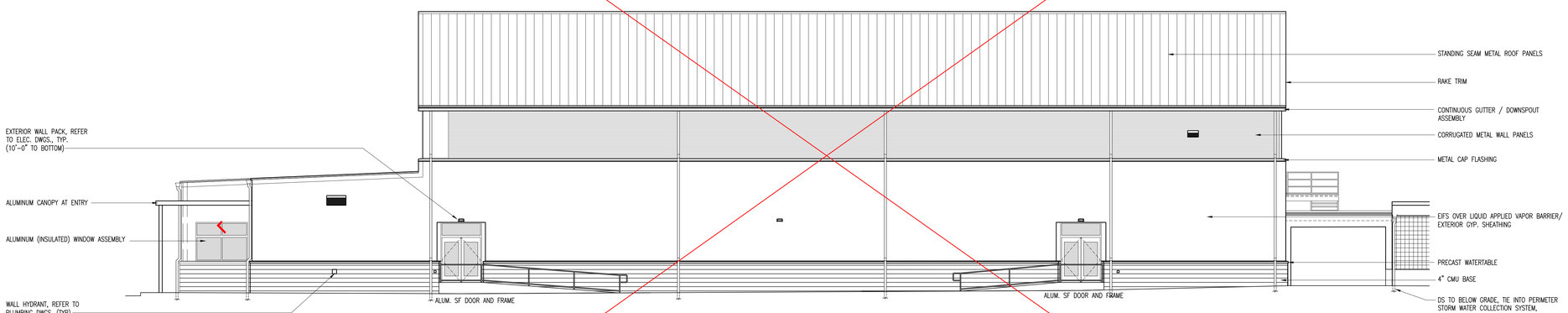
01/31/2025



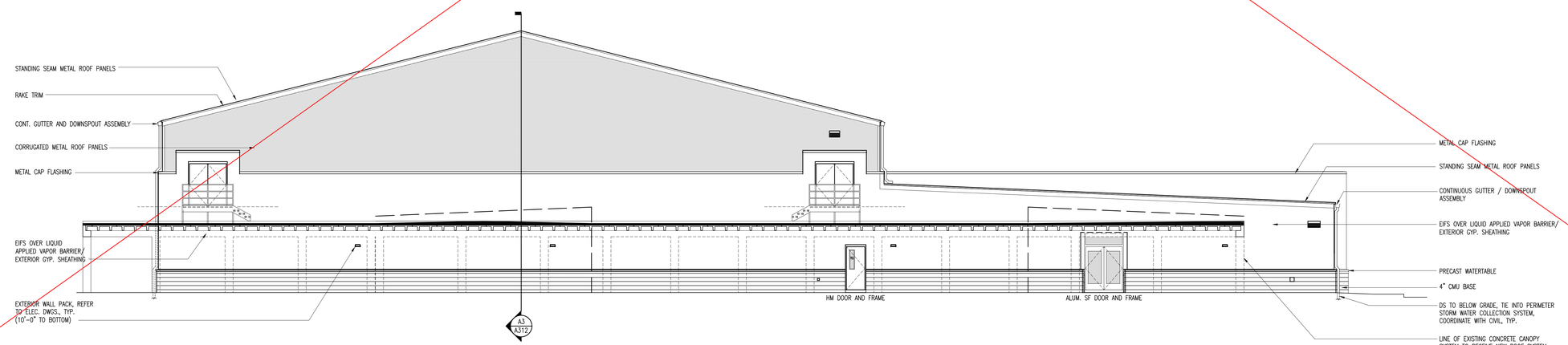
C1 | SOUTH ELEVATION

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



B1 | EAST ELEVATION

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



A1 | NORTH ELEVATION

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

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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

EXTERIOR ELEVATIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A201

22019
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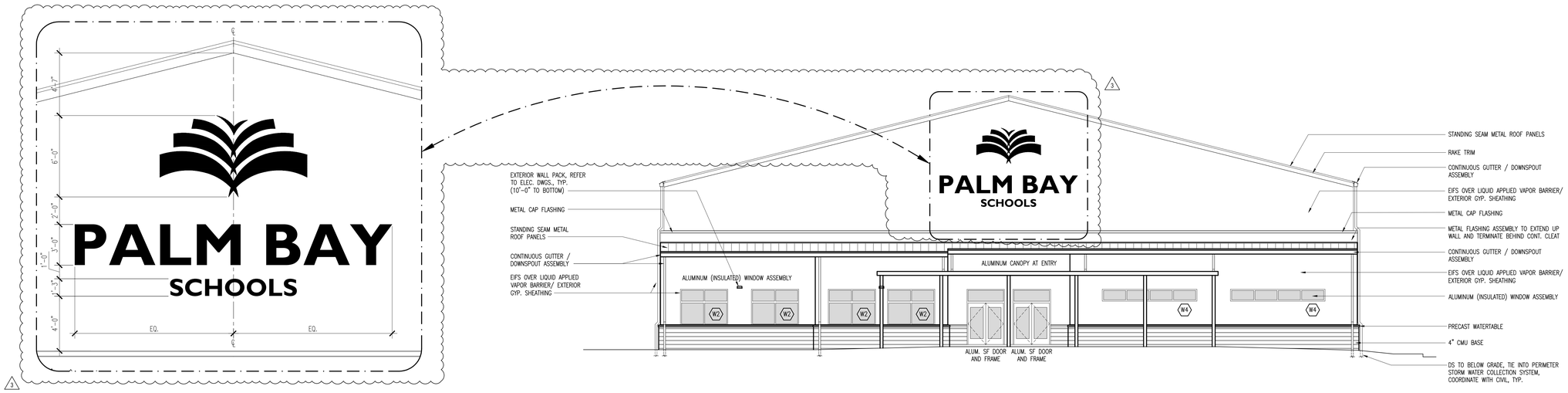
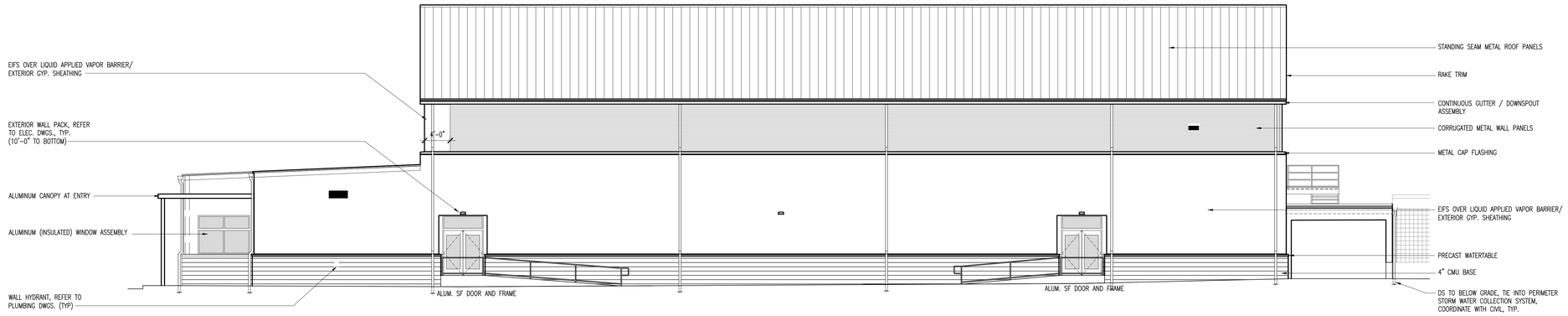
01/31/2025



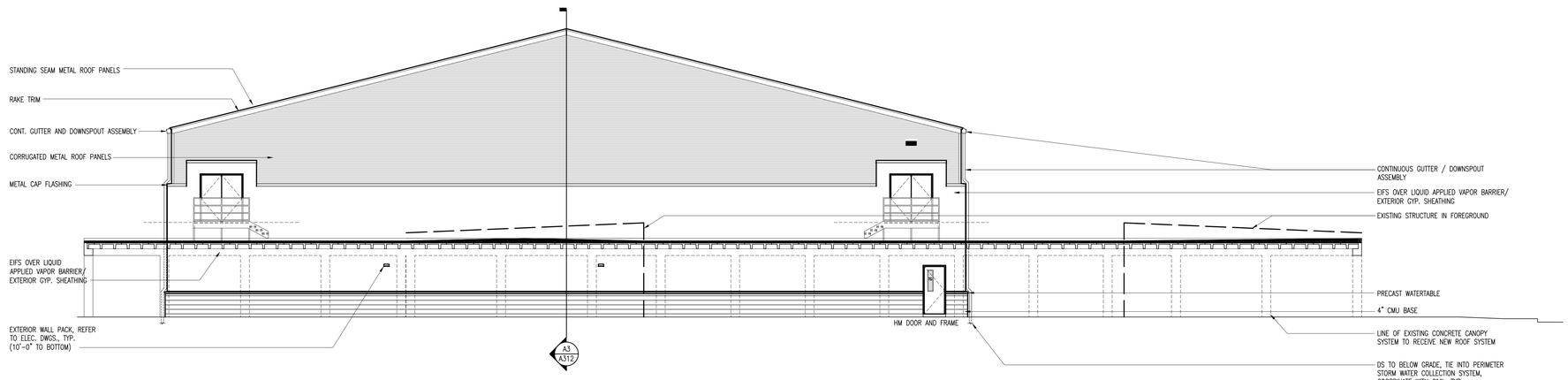
C1 SOUTH ELEVATION

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



B1 EAST ELEVATION

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



A1 NORTH ELEVATION

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

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	SCOPE REDUCTION	2/6/2026
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
EXTERIOR ELEVATIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A201.A

PLOT DATE: 3/27/2026 10:45:13 AM
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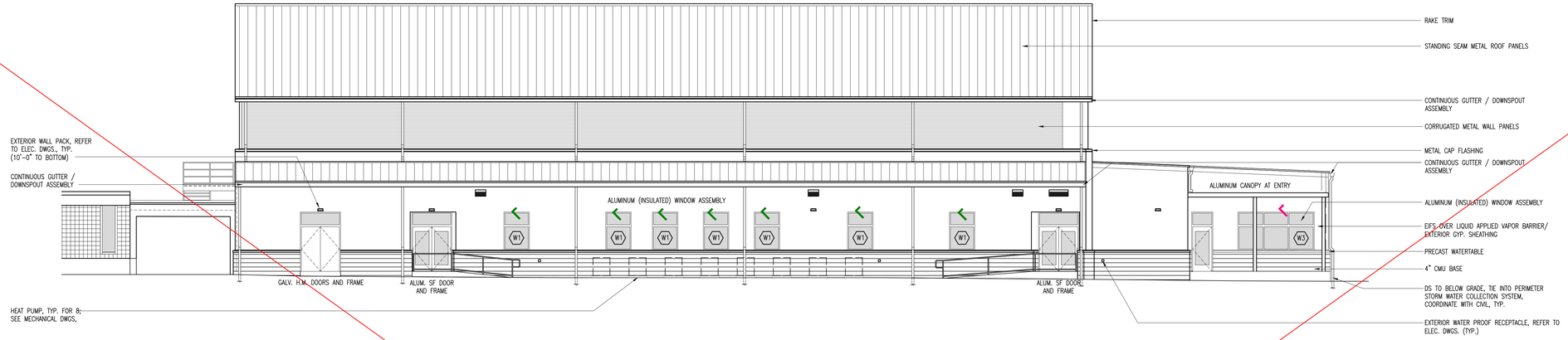

C1 WEST ELEVATION

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

B1

SCALE:

A1

SCALE:

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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

EXTERIOR ELEVATIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A202

22019
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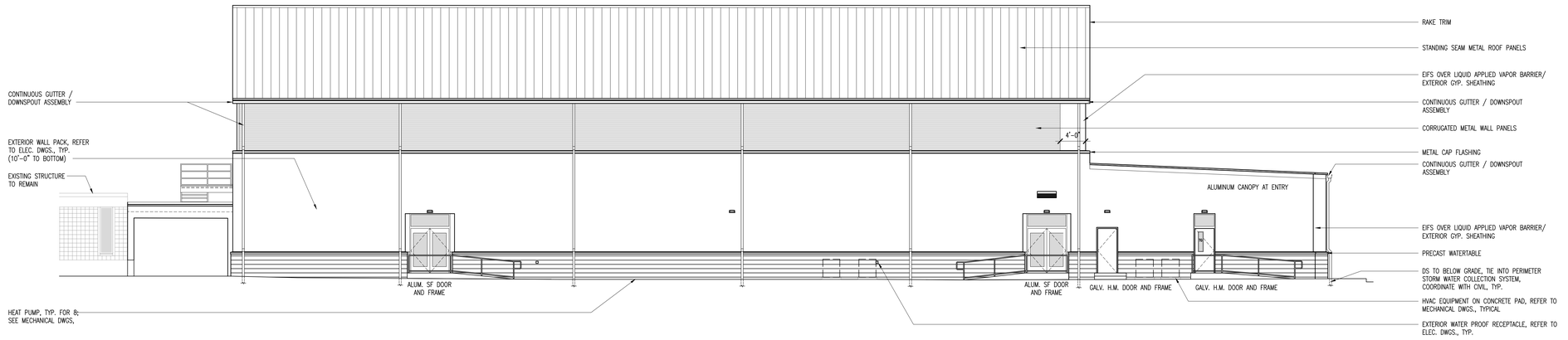
01/31/2025



C1 | WEST ELEVATION

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

B1

SCALE:

A1

SCALE:

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	SCOPE REDUCTION	2/6/2026

ALTERNATE
EXTERIOR ELEVATIONS

PROJECT NUMBER	**22019**
DATED	01/31/2025

A202.A

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22019
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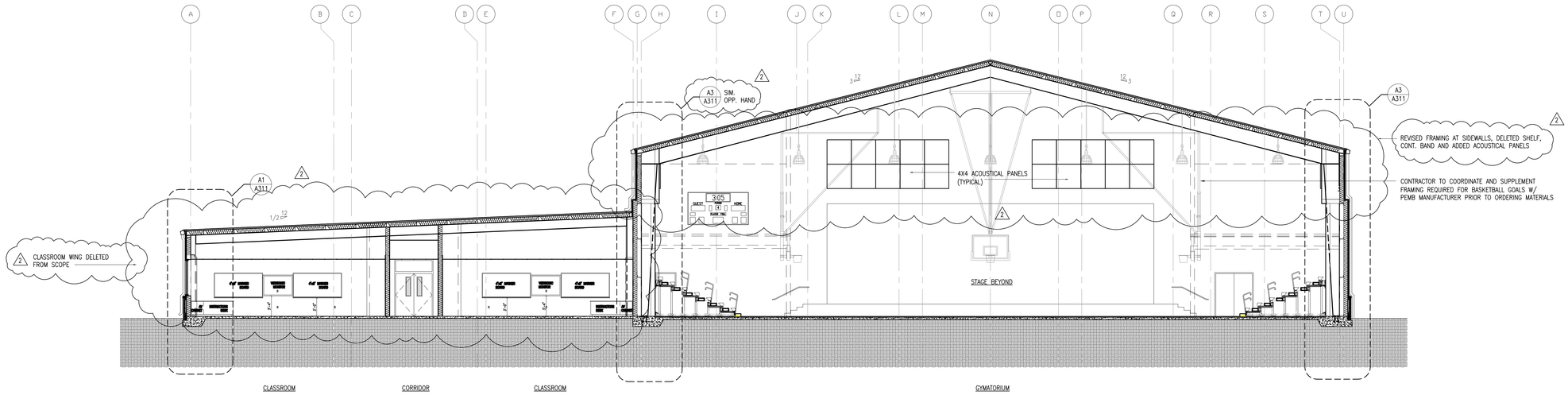
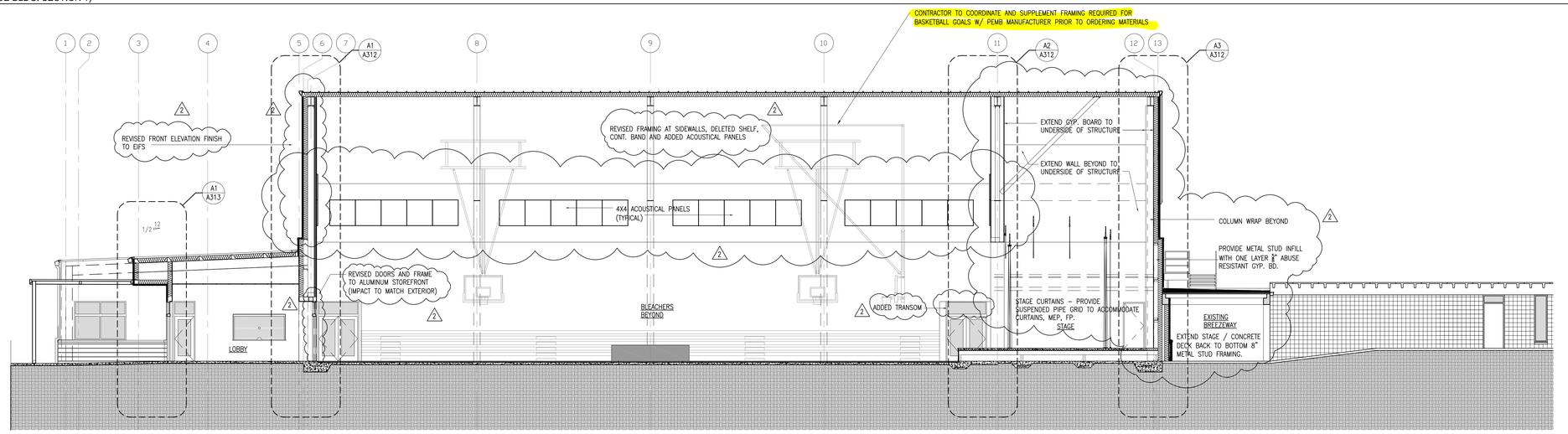
01/31/2025



C1 BUILDING SECTION

SCALE: 1/8" = 1'-0" (REFERENCE BLDG. SECTION 1)



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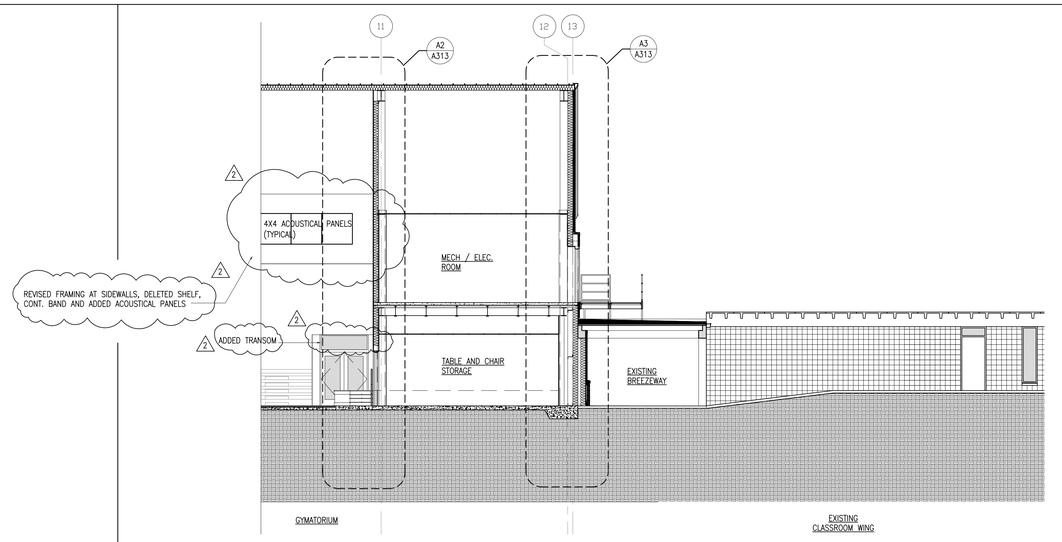

A3 BUILDING SECTION

SCALE: 1/8" = 1'-0" (REFERENCE BLDG. SECTION 2)

A1

SCALE: .

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A New Gymatorium for:
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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
2	ADDENDUM NO. 2	3/17/26

BUILDING SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A301

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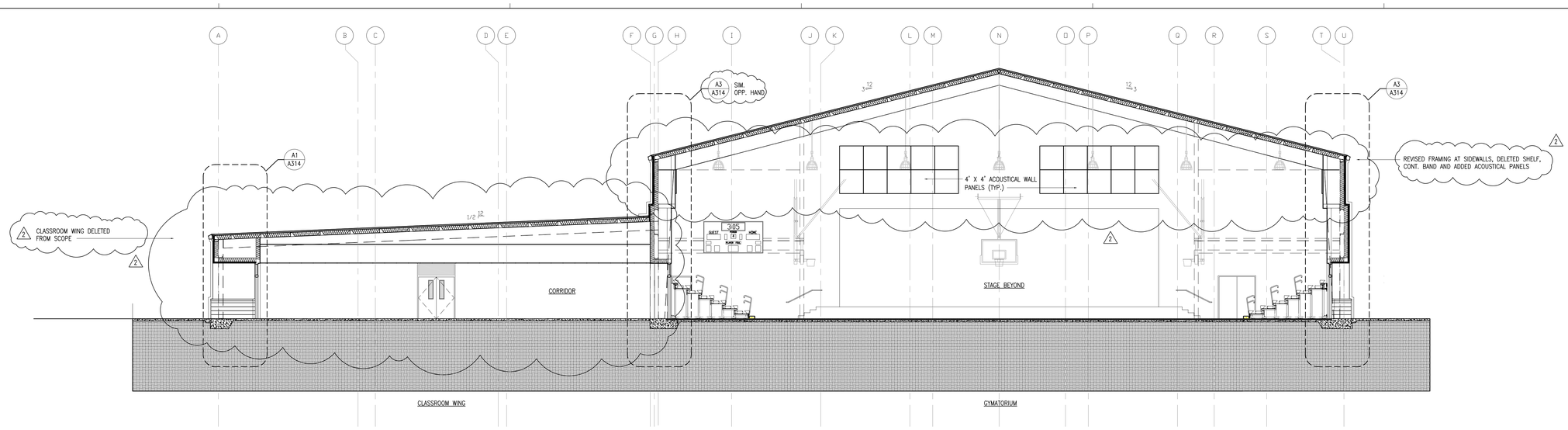

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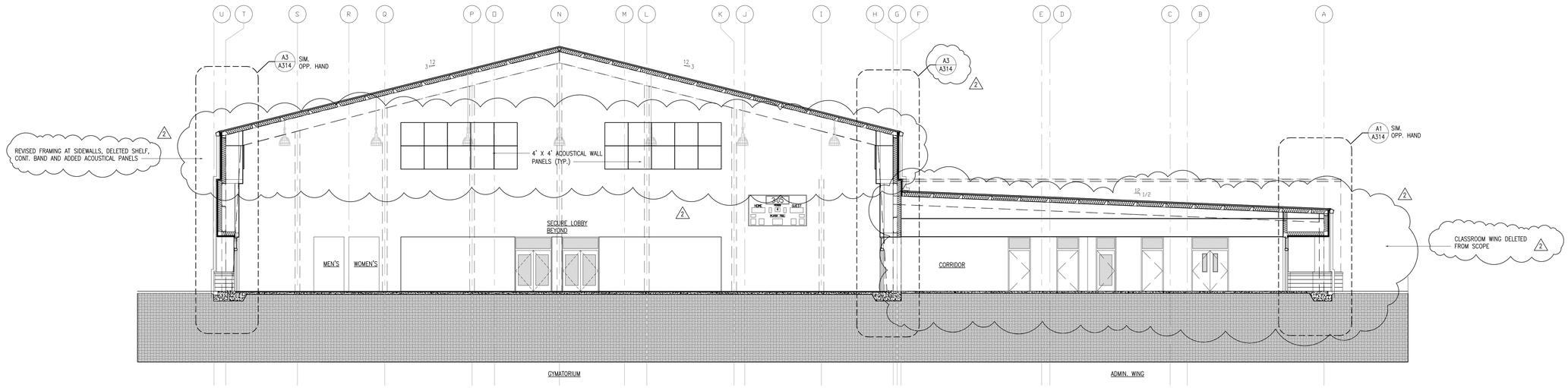

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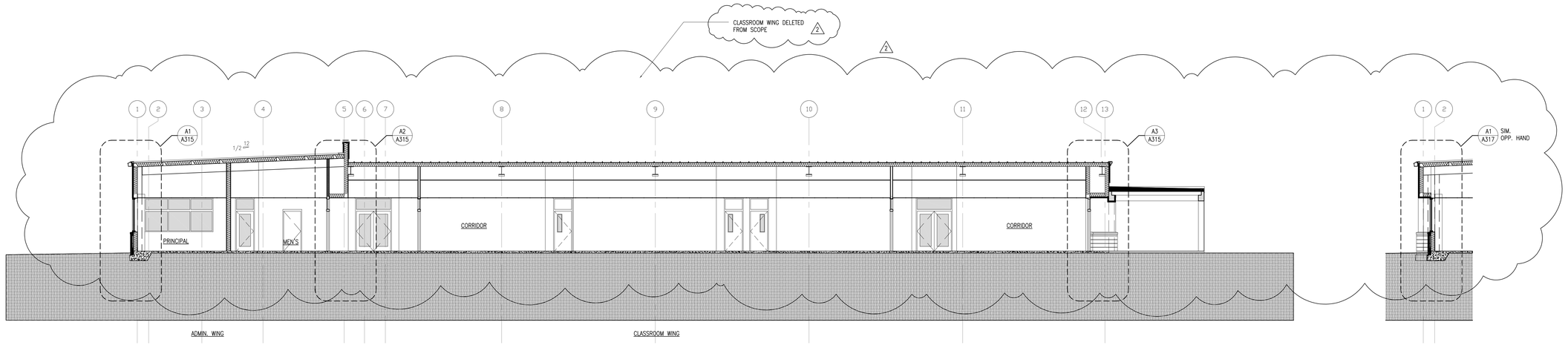

A1 BUILDING SECTION

SCALE: 1/8"=1'-0" (REFERENCE BUILDING SECTION 5)

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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
2	ADDENDUM NO. 2	3/17/26

BUILDING SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A302

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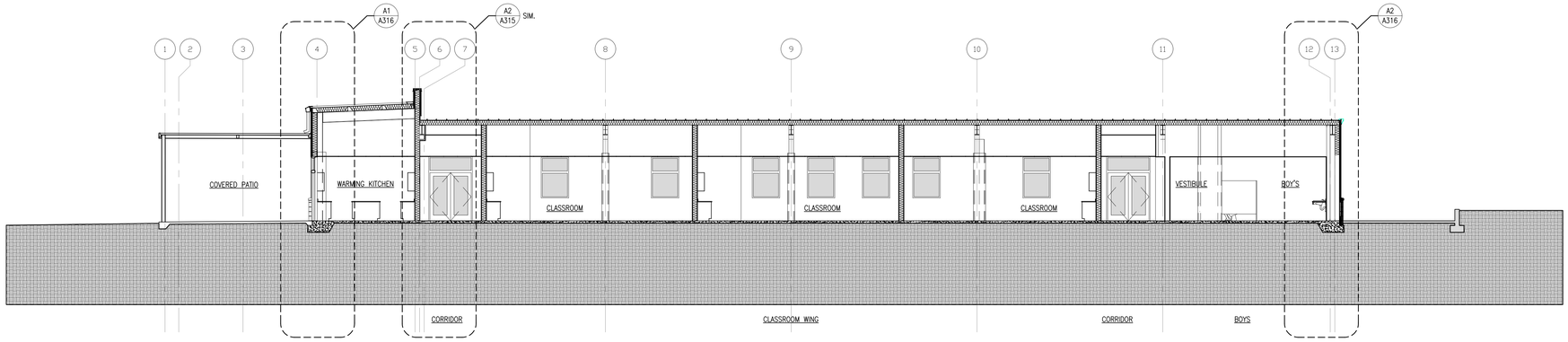
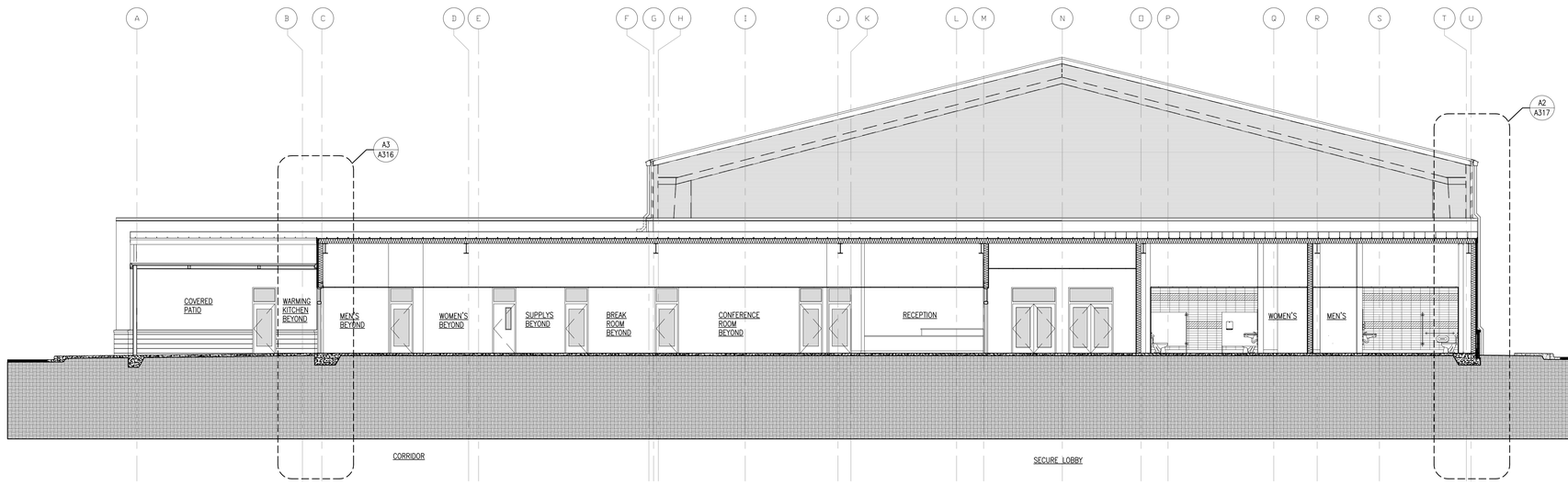


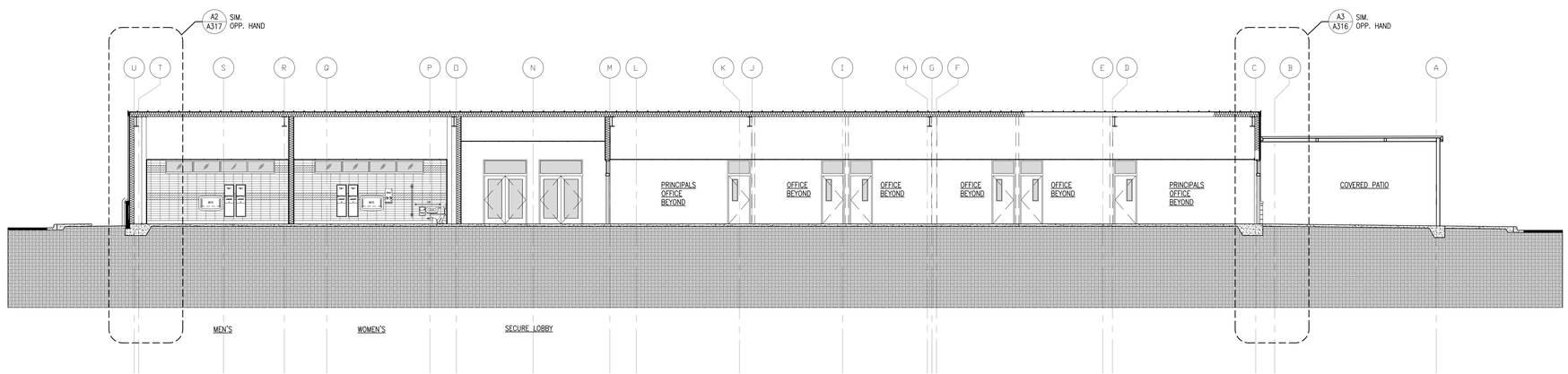
C1 BUILDING SECTION

SCALE: 1/8" = 1'-0" (REFERENCE BLDG. SECTION 6)



B1 BUILDING SECTION

SCALE: 1/8" = 1'-0" (REFERENCE BLDG. SECTION 7)



A1 BUILDING SECTION

SCALE: 1/8" = 1'-0" (REFERENCE BLDG. SECTION 8)

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

BUILDING SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A303

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

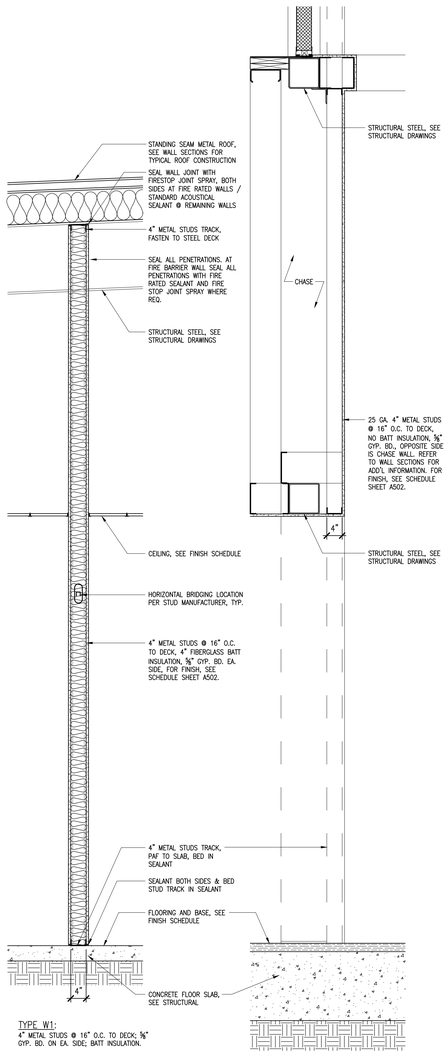
WALL/PARTITION NOTES:

1. SEAL WALL JOINTS AND AT THE ROOF DECK TO ENSURE ACOUSTICAL INTEGRITY (WHERE APPLICABLE) AND FIRE RATING (WHERE REQUIRED).
2. BRACE ALL WALLS THAT TERMINATE AT 6" ABOVE CEILINGS.
3. STENCIL ABOVE CEILING ON BOTH SIDES OF ALL FIRE RATED WALLS 3" HIGH LETTERING TO READ "FIRE BARRIER–PROTECT ALL OPENINGS".
4. ALL ROOMS WITHOUT CEILING HAVE FINISHED, PAINTED GYPSUM BOARD FROM TOP OF SLAB TO BOTTOM OF DECK.
5. PROVIDE TILE BACKERBOARD BEHIND TILE
6. PROVIDE MOISTURE RESISTANT BACKERBOARD ABOVE TILE, IN JANITOR'S CLOSET AND DAMP LOCATIONS.
7. SEE BID PLAN SHEET FOR NOTES REGARDING PROCEDURE FOR WALL CONSTRUCTION IN THE EVENT THAT ONE OR MORE BID ALTERNATES ARE NOT TAKEN.

E1 NOTES

SCALE: NTS

FIRE BARRIER AT WALL TYPE W1:
CONSTRUCT WALL IN ACCORDANCE WITH UL U905 AND U419. STENCIL ABOVE CEILING AS NOTED ON A101. SEE A101 FLOOR PLAN FOR LOCATIONS.



TYPE W1:
4" METAL STUDS @ 16" O.C. TO DECK; ⅝" GYP. BD. ON EA. SIDE; BATT INSULATION.

TYPE W1A:
4" METAL STUDS @ 16" O.C. TO DECK; ⅝" GYP. BD. ON EA. SIDE; NO BATT INSULATION.

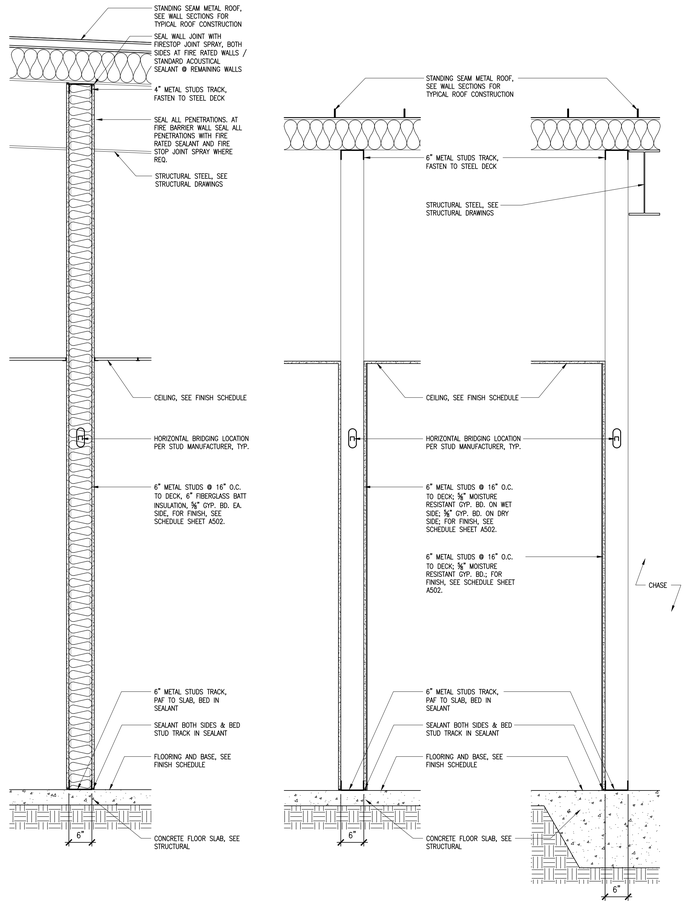
TYPE W1B:
4" METAL STUDS @ 16" O.C. TO DECK; ⅝" GYP. BD.; OPPOSITE SIDE IS CHASE WALL, NO BATT INSULATION.

TYPE 'W1' & 'W1A'

TYPE 'W1B'

A1 PARTITION TYPE W1

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



TYPE W2:
6" METAL STUDS @ 16" O.C. TO DECK; ⅝" GYP. BD. ON EA. SIDE; BATT INSULATION.

TYPE W2A:
SAME AS TYPE W-2, ⅝" MOISTURE RESISTANT GYP. BD. ON WET SIDE, ⅝" GYP. BD. ON DRY SIDE, NO BATT INSULATION.

TYPE W2B:
SAME AS TYPE W-2, ⅝" MOISTURE RESISTANT GYP. BD. ON WET SIDE, OPPOSITE SIDE IS CHASE WALL, NO BATT INSULATION.

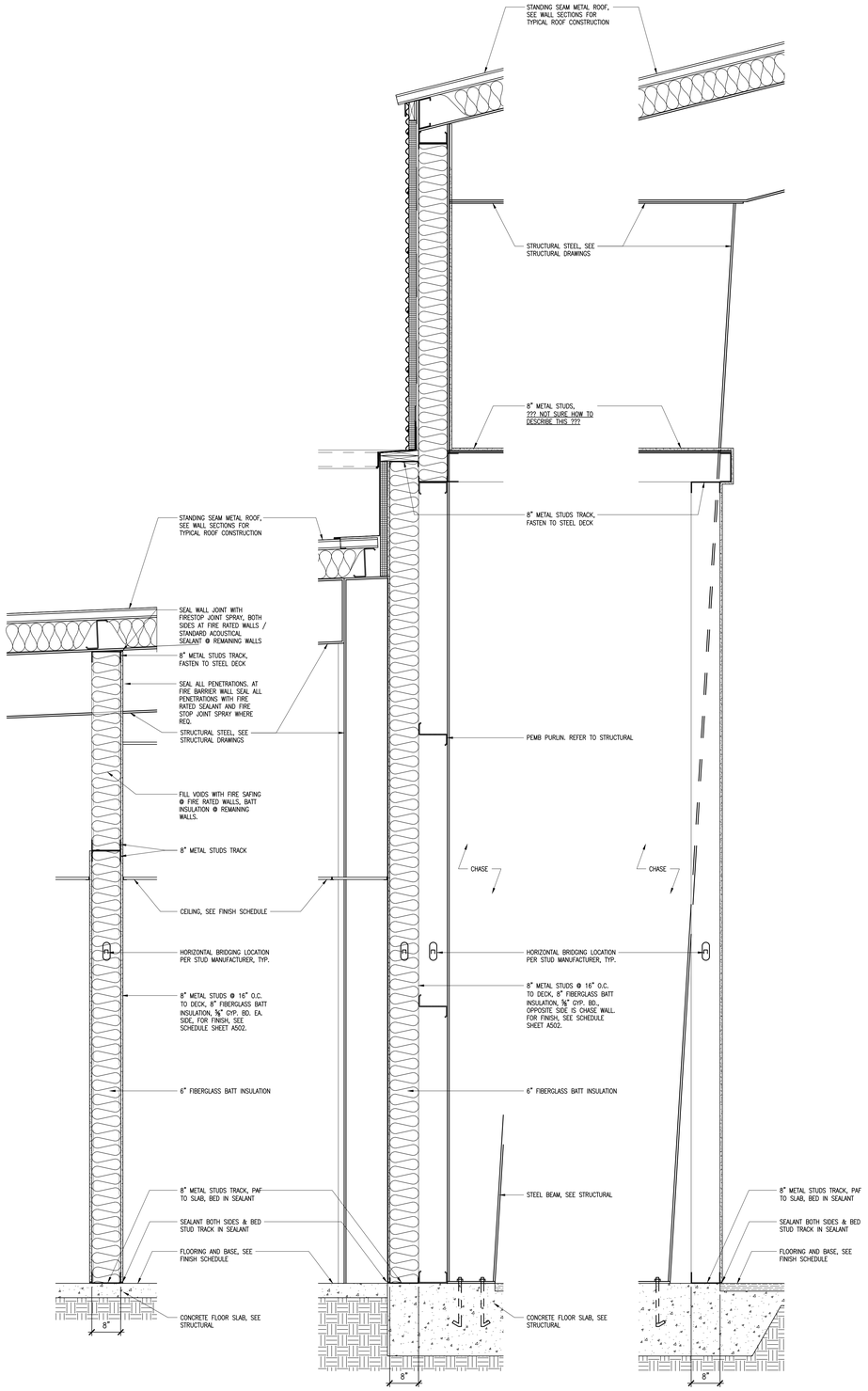
TYPE 'W2'

TYPE 'W2A'

TYPE 'W2B'

A2 PARTITION TYPE W2

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



TYPE W3:
8" METAL STUDS @ 16" O.C. TO DECK; ⅝" GYP. BD. ON EA. SIDE; BATT INSULATION.

TYPE W3A:
SIM TO TYPE W–3, ⅝" GYP. BD., OPPOSITE SIDE IS CHASE WALL, NO BATT INSULATION.

TYPE W–3B:
SIM TO TYPE W–3, ⅝" GYP. BD., OPPOSITE SIDE IS CHASE WALL, NO BATT INSULATION.

TYPE 'W3'

TYPE 'W3A'

TYPE 'W3B'

A3 PARTITION TYPE W3

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

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

PARTITION TYPES

PROJECT NUMBER	22019
DATED	01/31/2025

A310

22019
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01/31/2025

PLOT DATE: 3/21/2026 15:23:15 AM
DWG LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2SWorkingDocs\A311 Wall Sections.dwg
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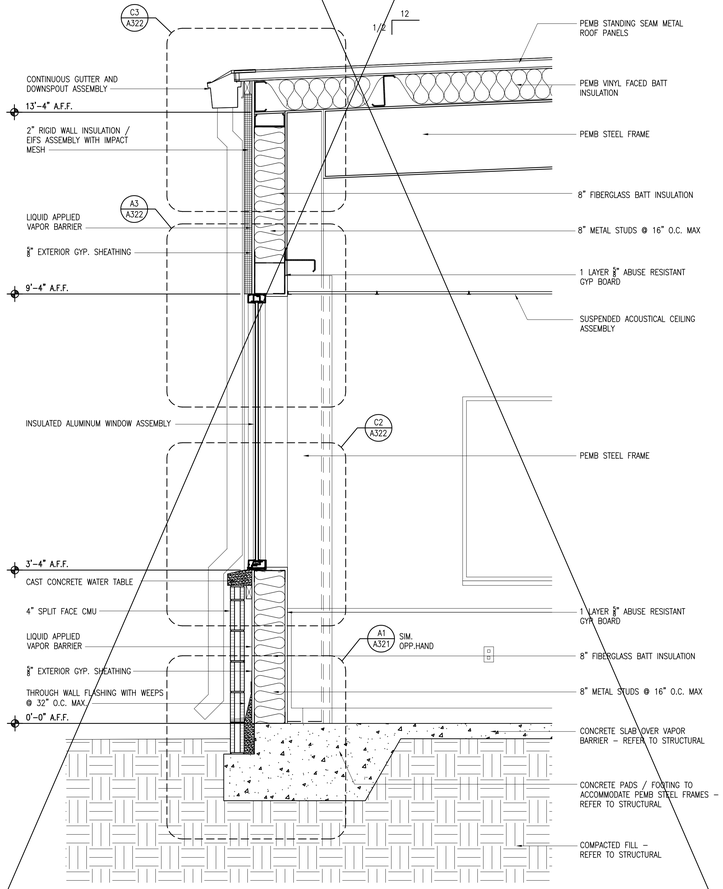
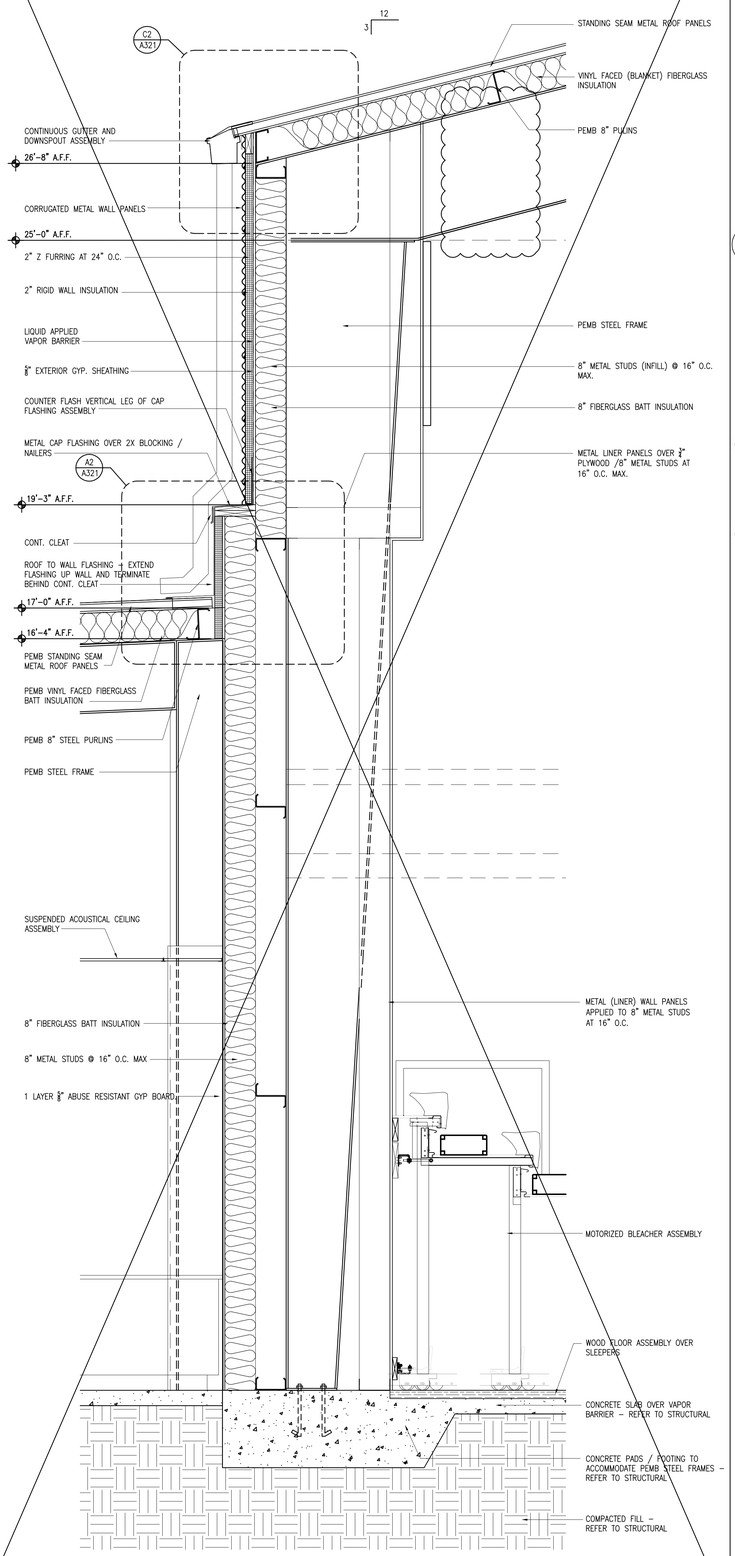


A1 WALL SECTION

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

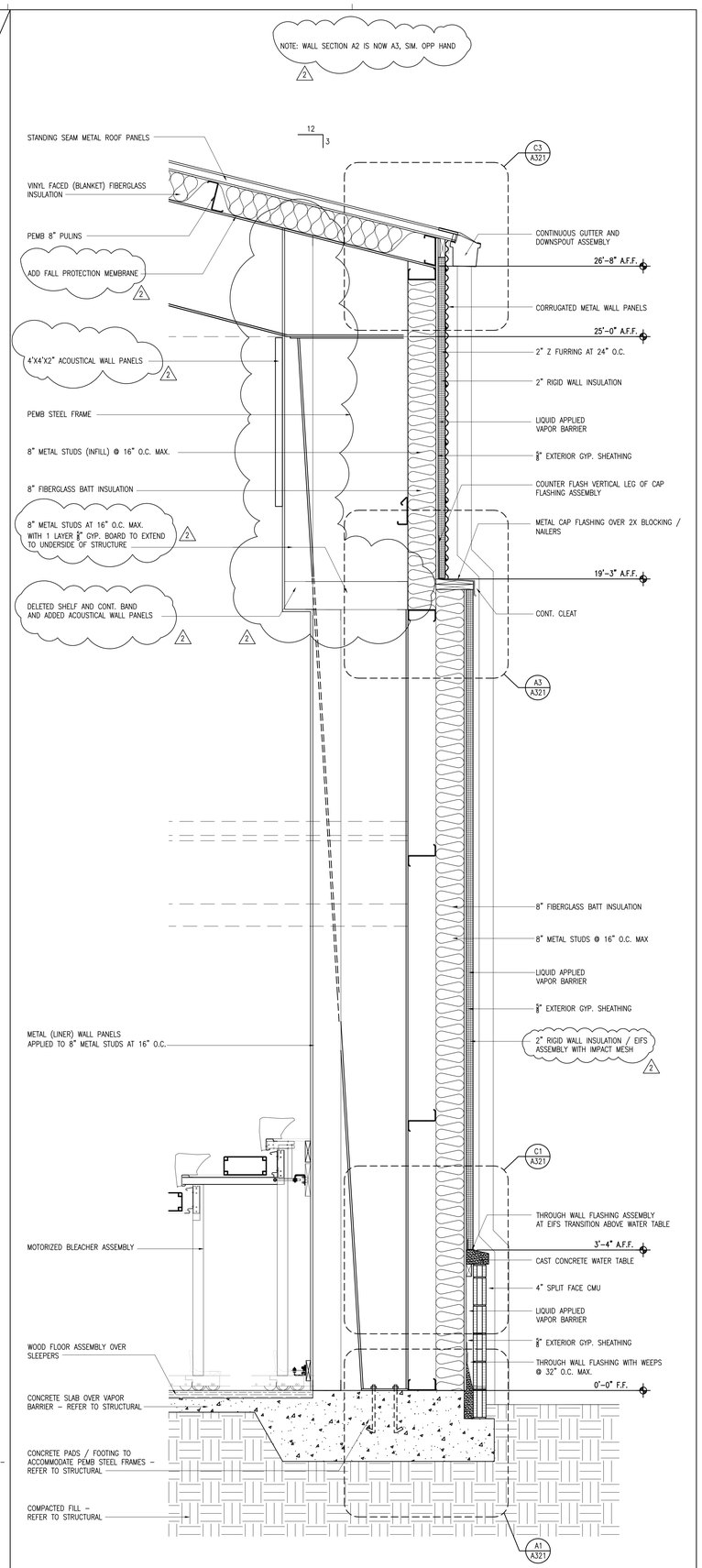
(REFERENCE BLDG. SECTION 1)



A2 WALL SECTION

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

(REFERENCE BLDG. SECTION 1)



A3 WALL SECTION

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

(REFERENCE BLDG. SECTION 1)

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
2	ADDENDUM NO. 2	3/17/26

WALL SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A311

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

PLOT DATE: 3/21/2026 9:05:18 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\2019 Palm Bay Gymatorium\B-Design\B2Schematic\Design\B2Working\Docs\A312 Wall Sections.dwg
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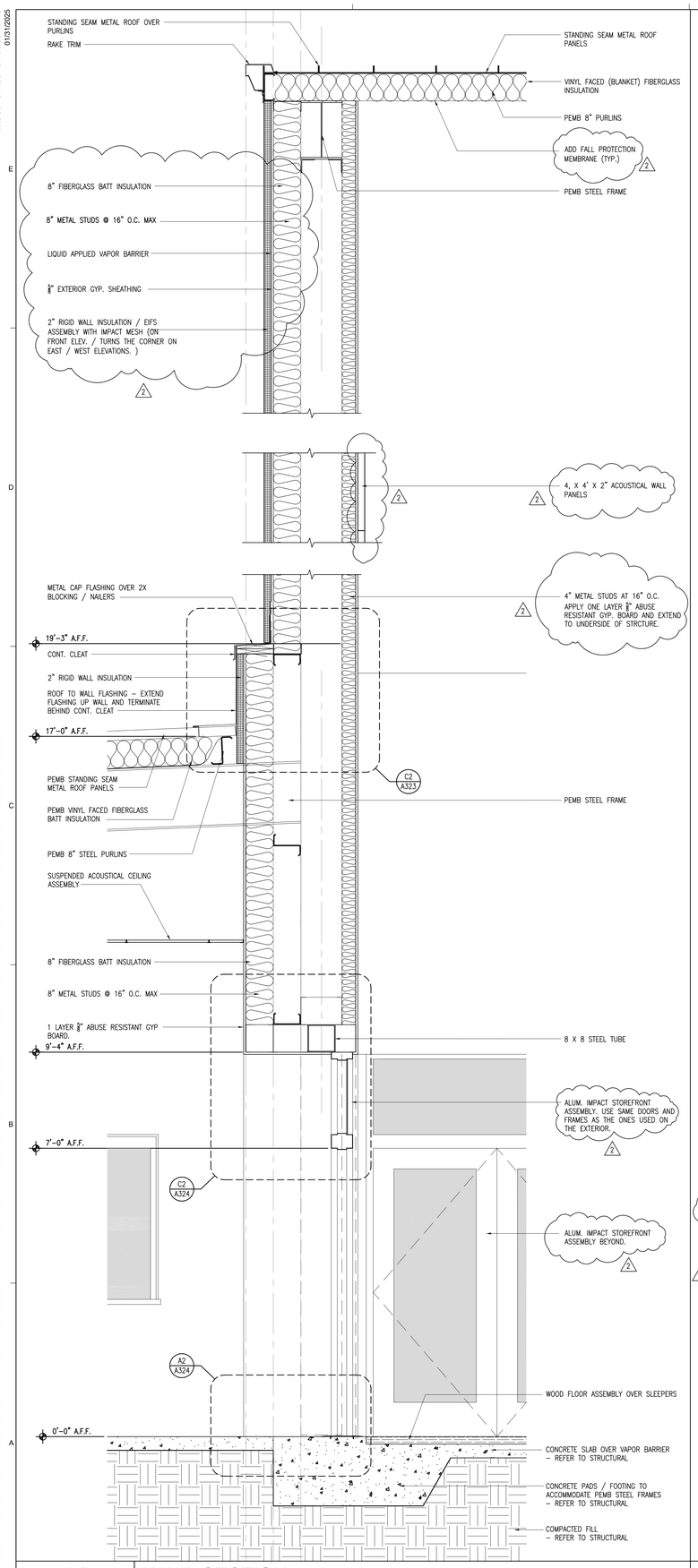
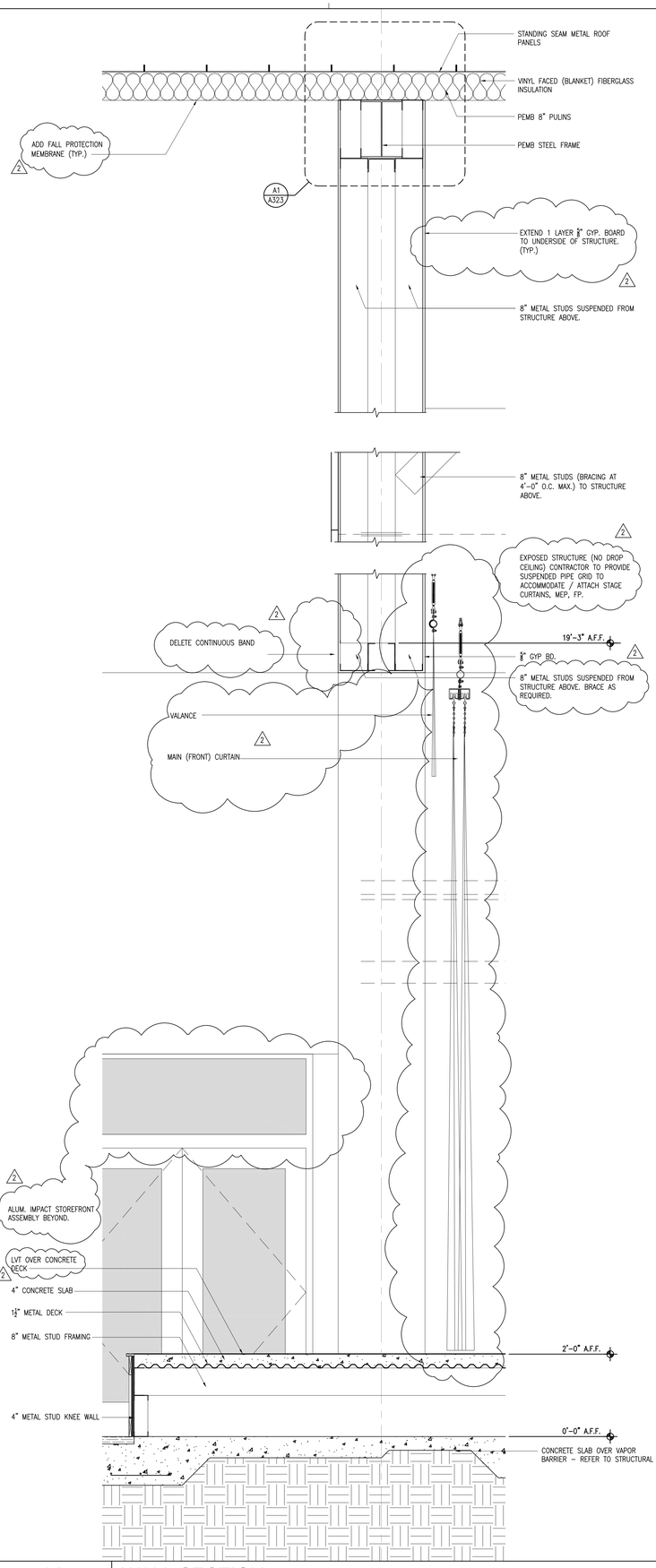


A1 WALL SECTION

SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 2)



A2 WALL SECTION

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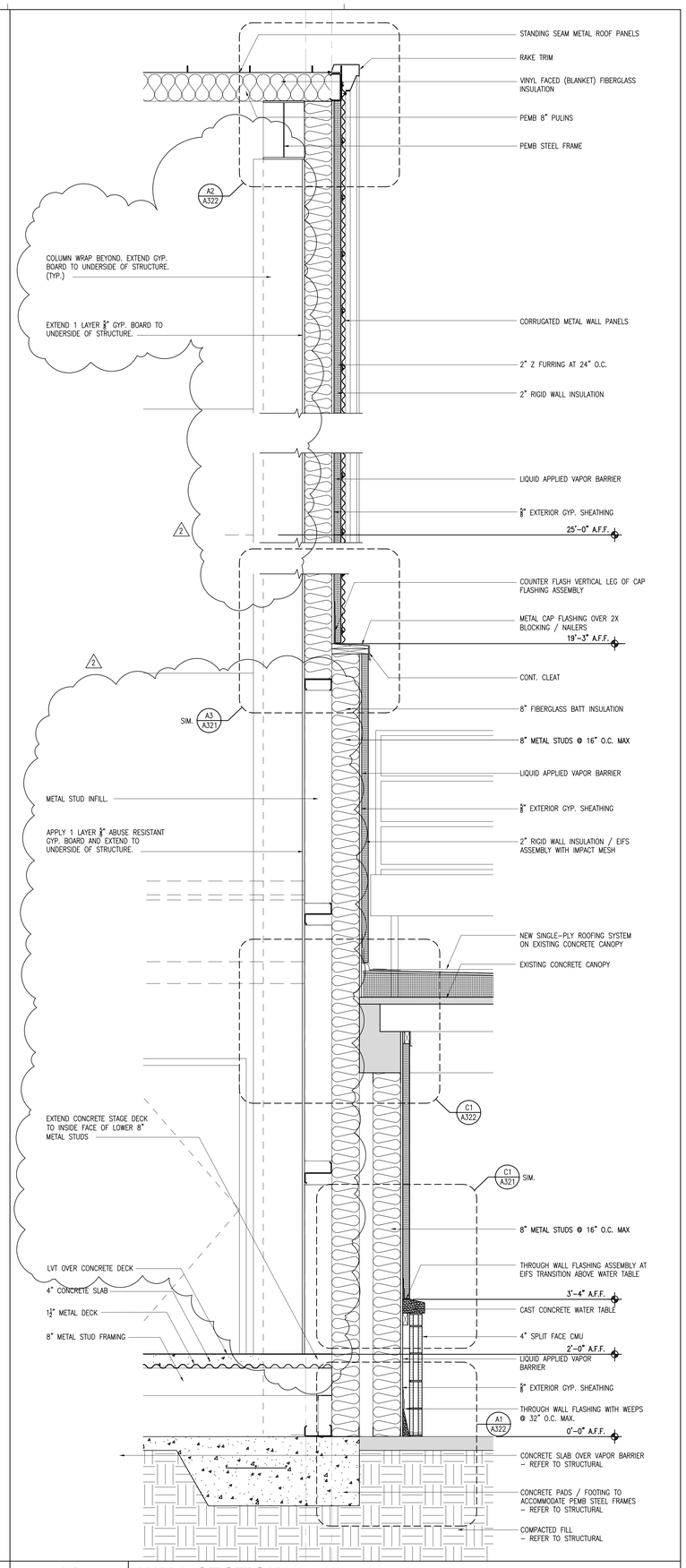

A3 WALL SECTION

SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 2)

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
2	ADDENDUM NO. 2	3/17/26

WALL SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A312

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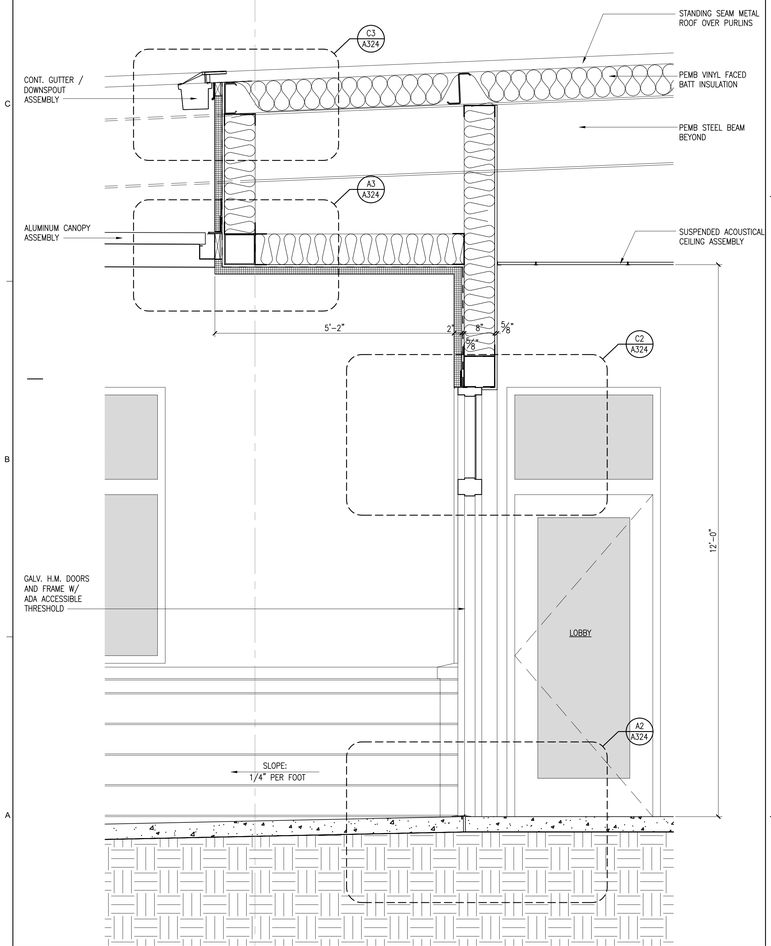
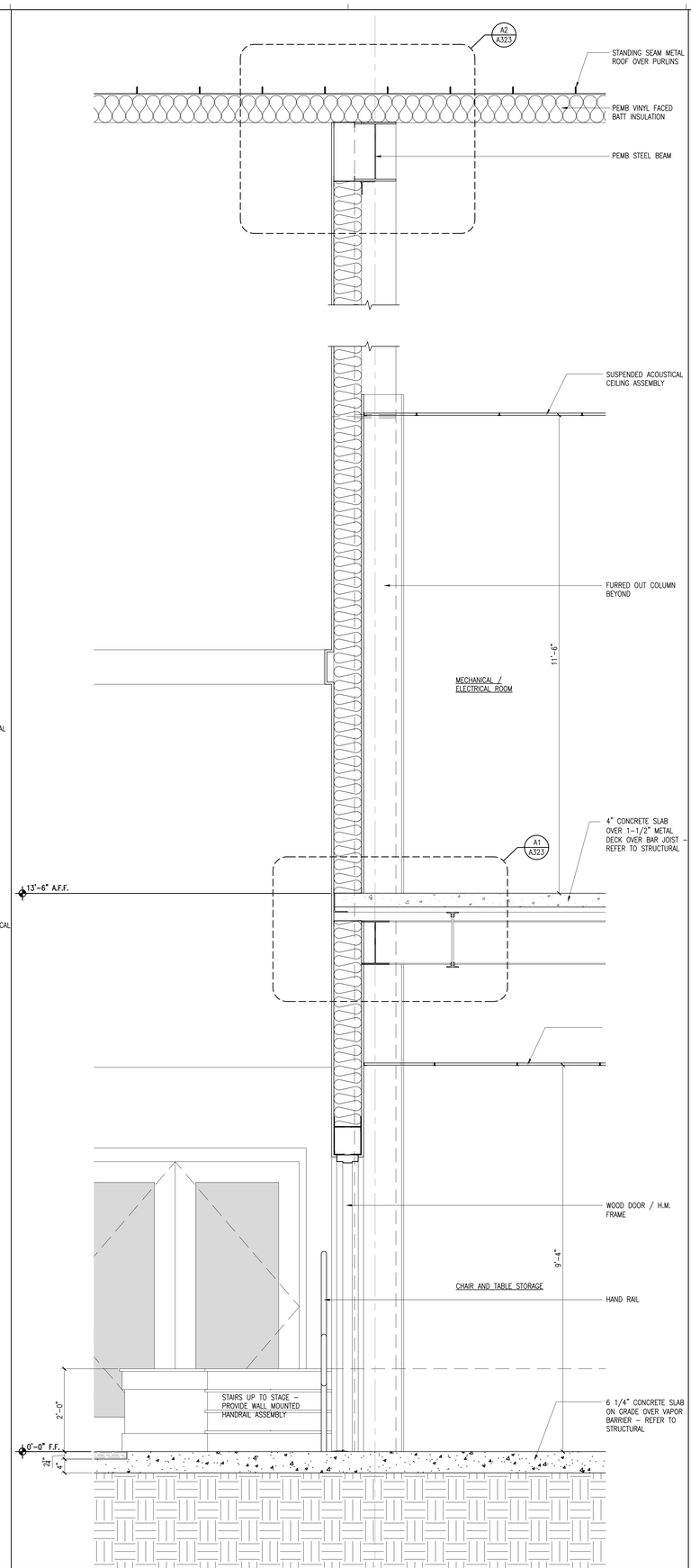


A1 WALL SECTION

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

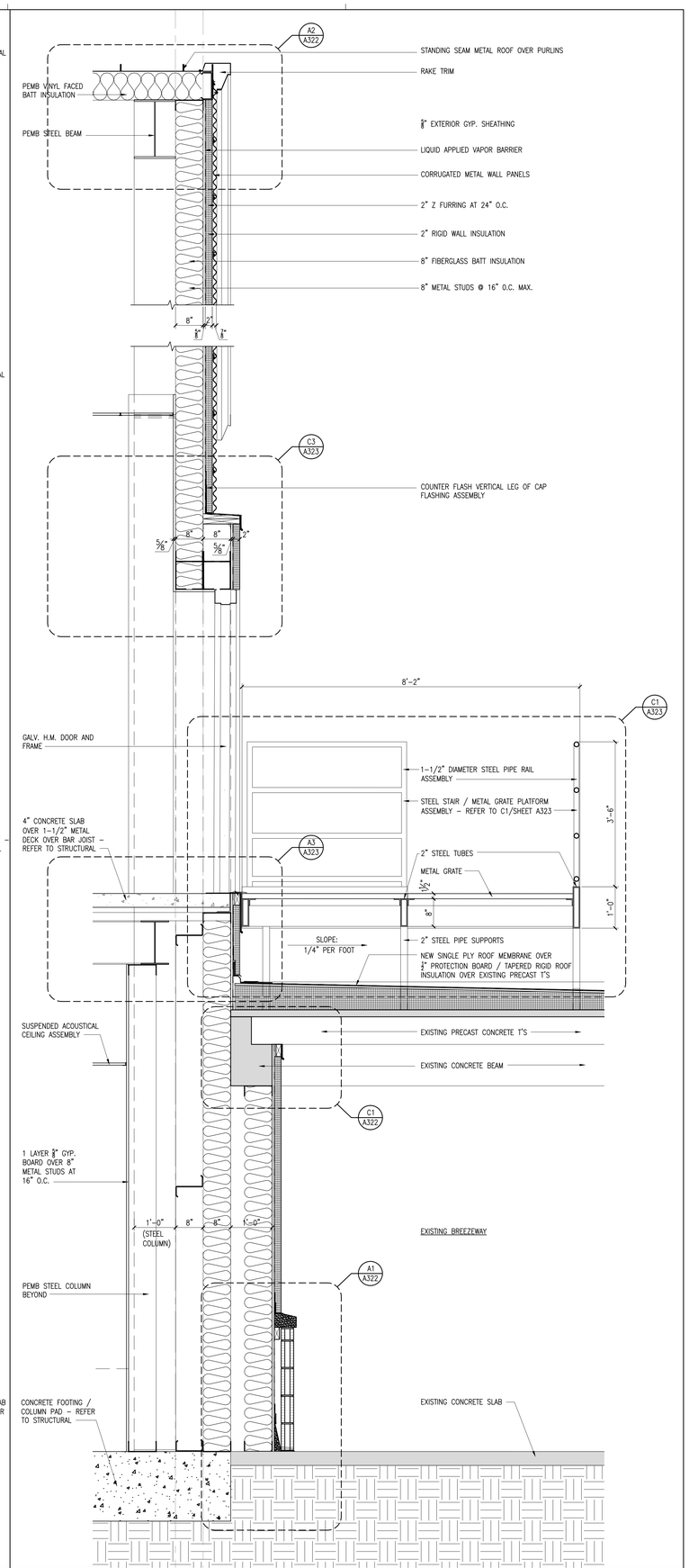
(REFERENCE BLDG. SECTION 2)



A2 WALL SECTION

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

(REFERENCE BLDG. SECTION 2)



A3 WALL SECTION

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

(REFERENCE BLDG. SECTION 2)

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OWEN E. GIPSON
REGISTERED ARCHITECT
AR0007765

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

WALL SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A313

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

PLOT DATE: 3/18/2026 2:42:21 PM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2SWorking\Docs\A314 Wall Sections.dwg
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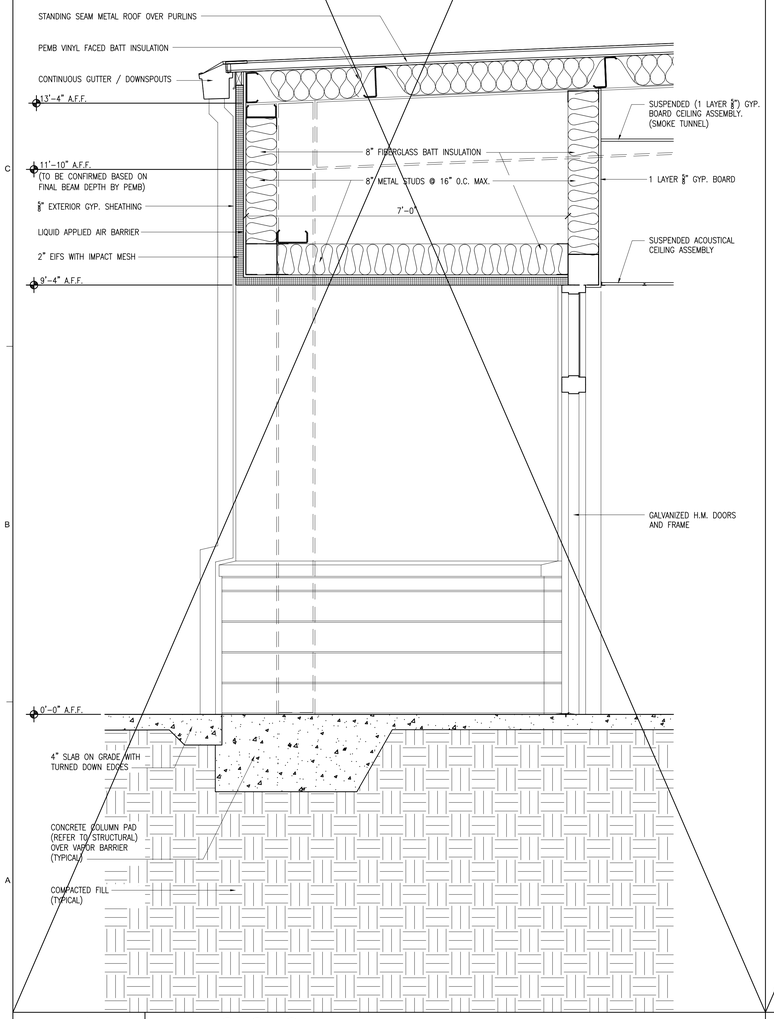
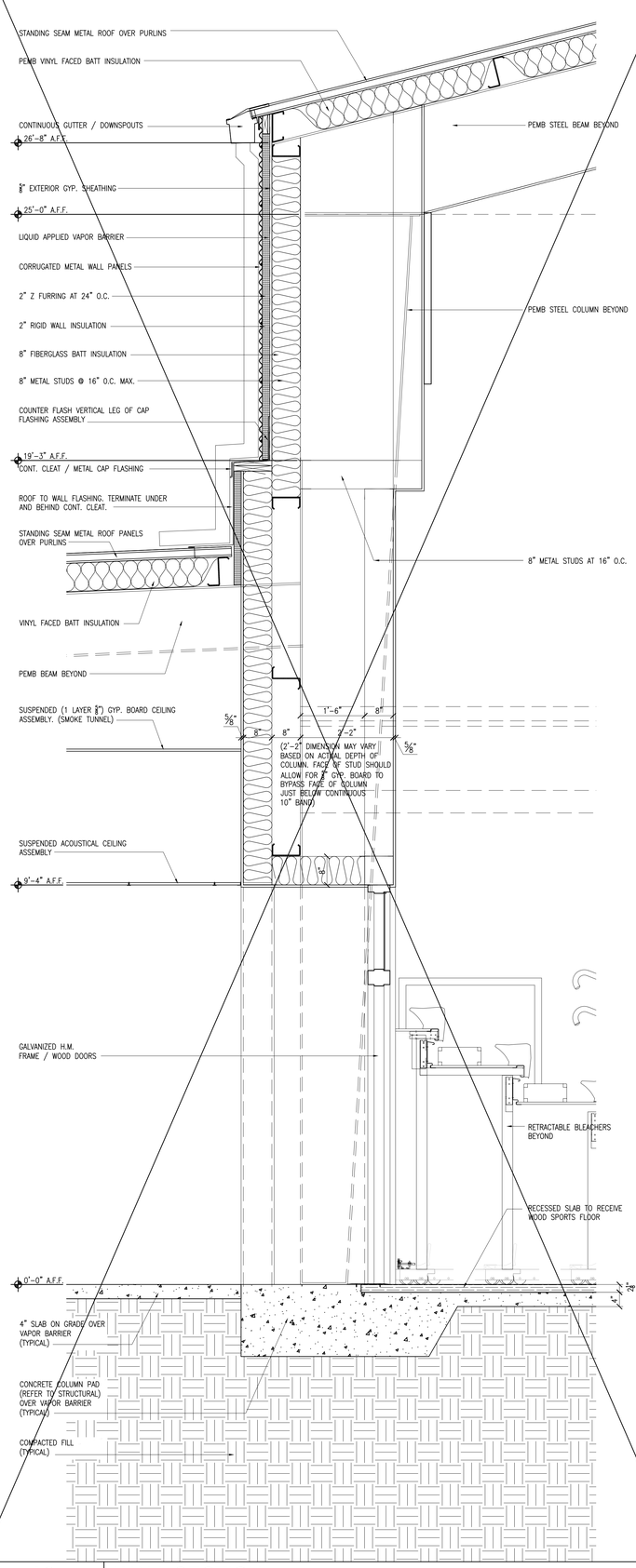


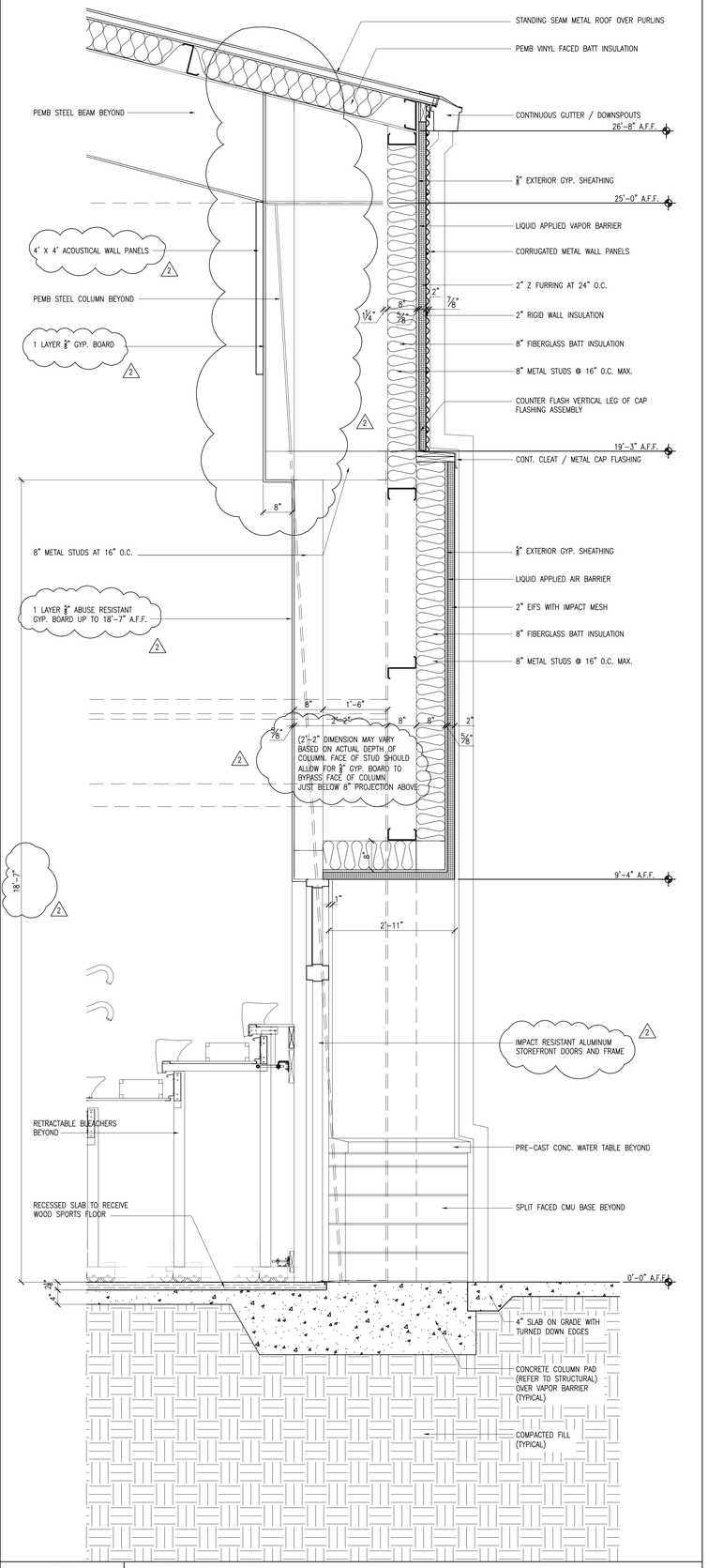
A1 WALL SECTION

SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 3)



A2 WALL SECTION

SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 3)



A3 WALL SECTION

SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 3)

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REVISIONS:

No.	Description	Date
2	ADDENDUM NO. 2	3/17/26

WALL SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A314

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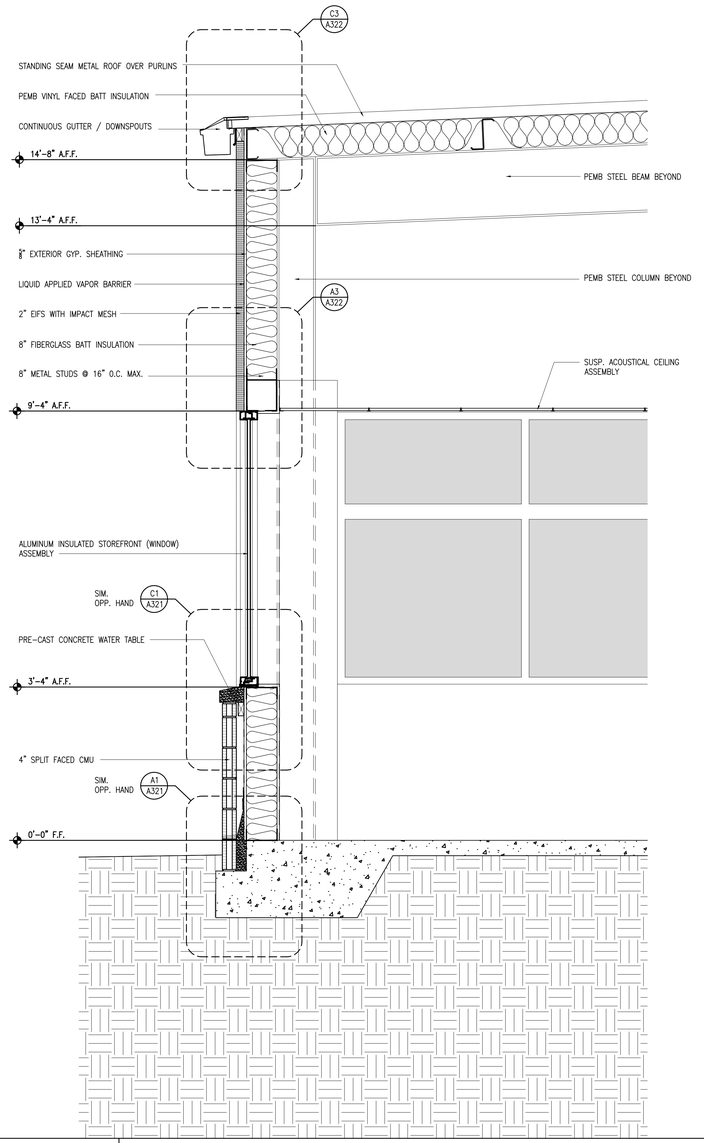
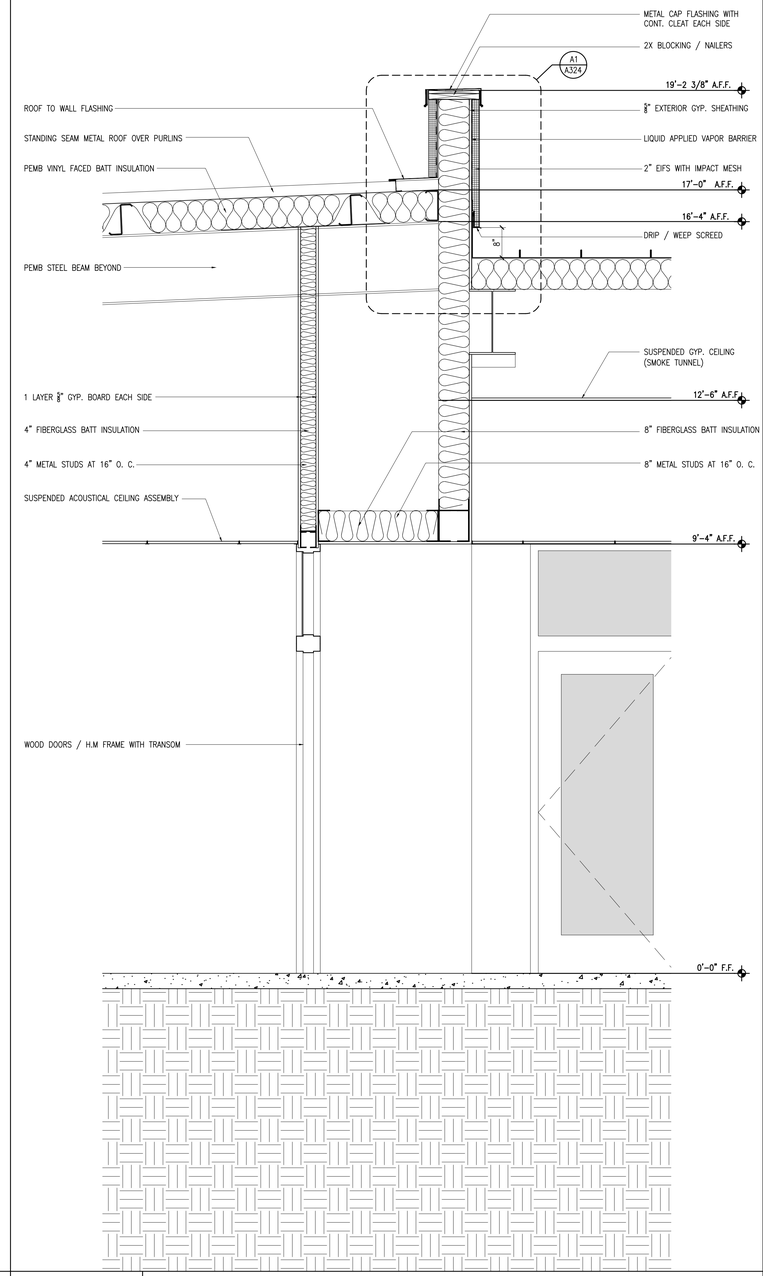


A1 WALL SECTION

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

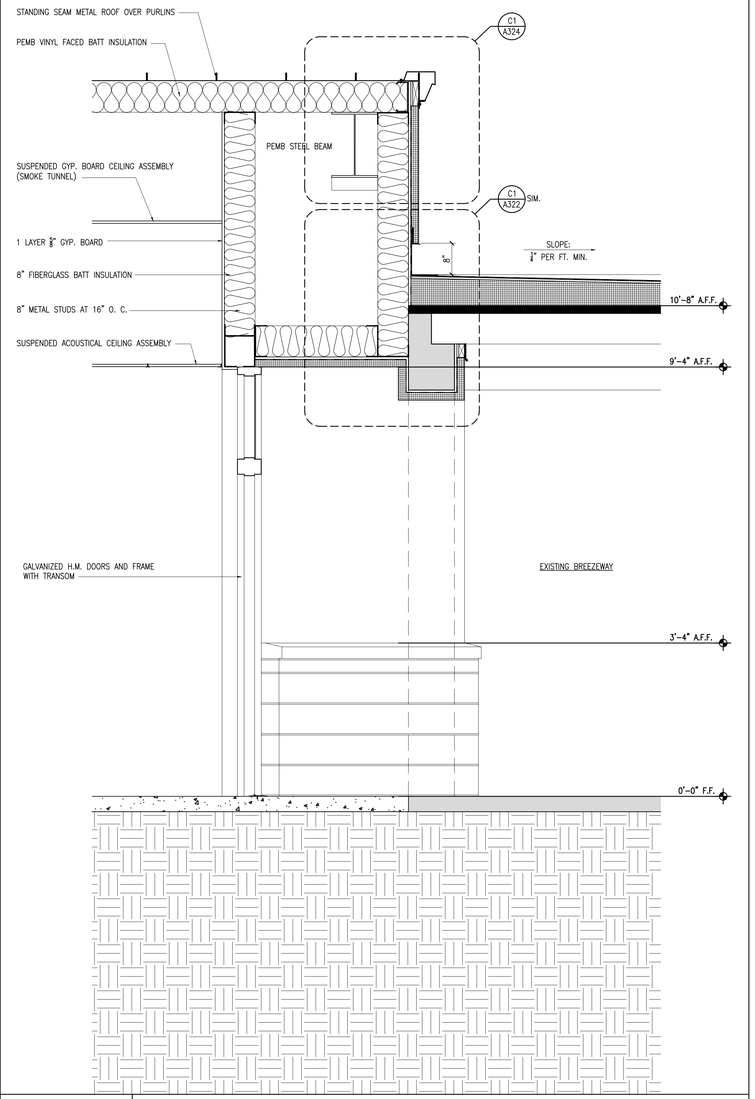
(REFERENCE BLDG. SECTION 5)



A2 WALL SECTION

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

(REFERENCE BLDG. SECTION 5)



A3 WALL SECTION

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

(REFERENCE BLDG. SECTION 5)

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A New Gymatorium for: PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

WALL SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A315

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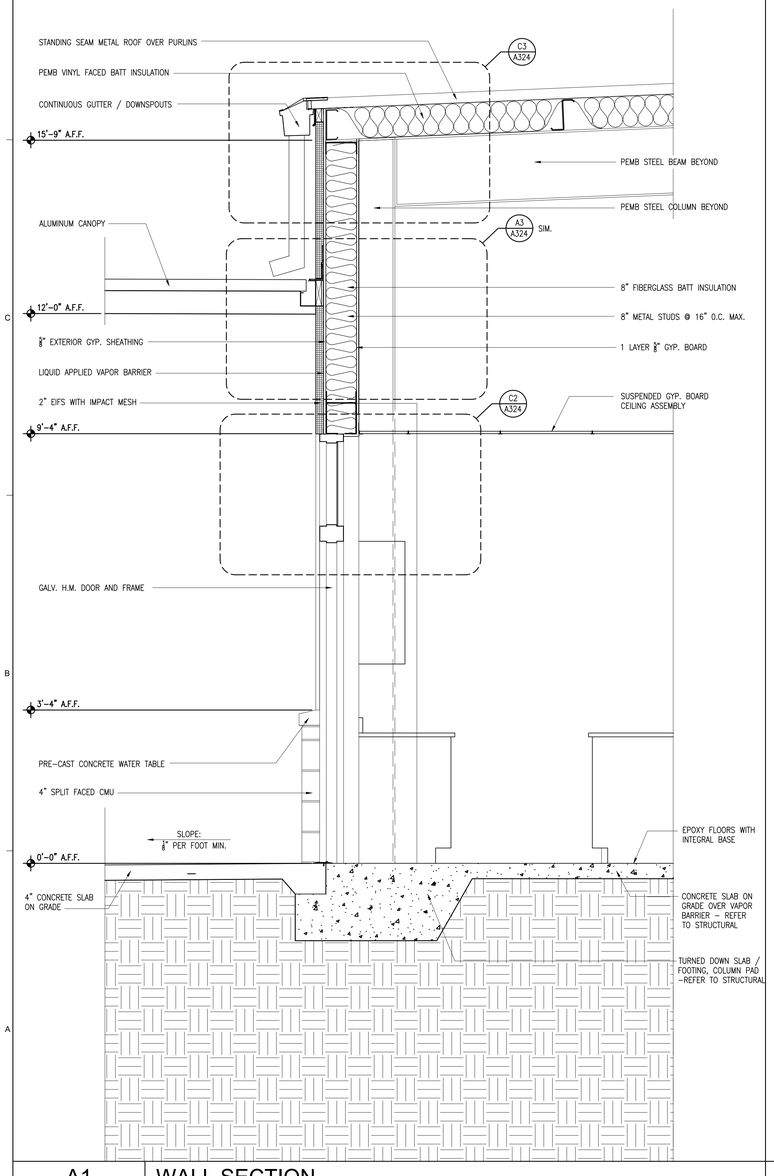
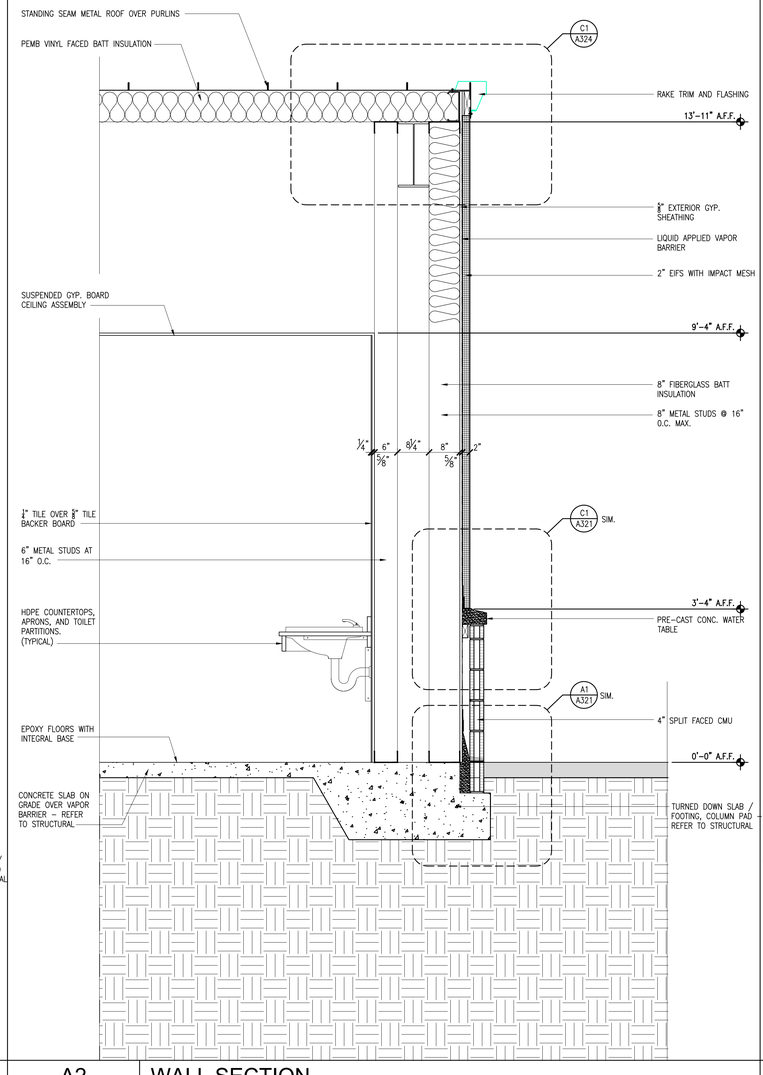
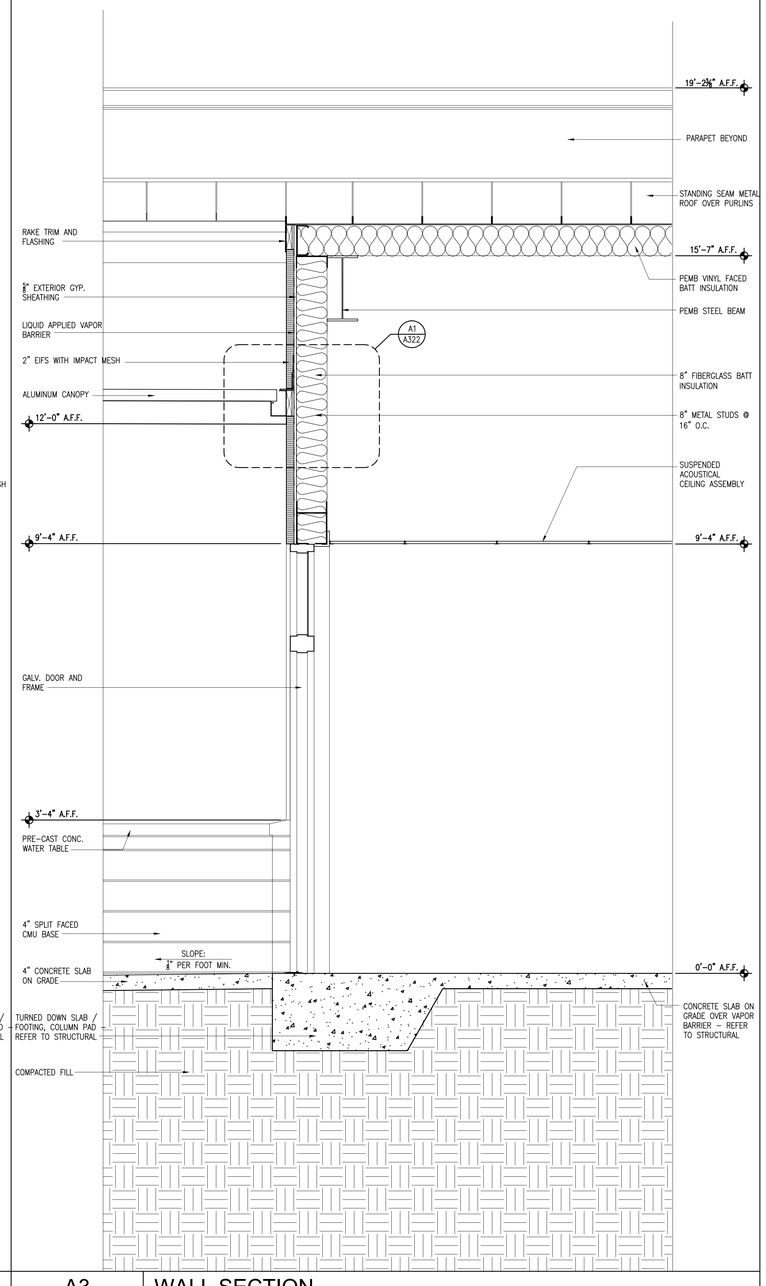


A1 WALL SECTION
SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 6)



A2 WALL SECTION
SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 6)



A3 WALL SECTION
SCALE: 3/4" = 1'-0" (REFERENCE BLDG. SECTION 7)

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PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

WALL SECTIONS

PROJECT NUMBER 22019
DATED 01/31/2025

A316

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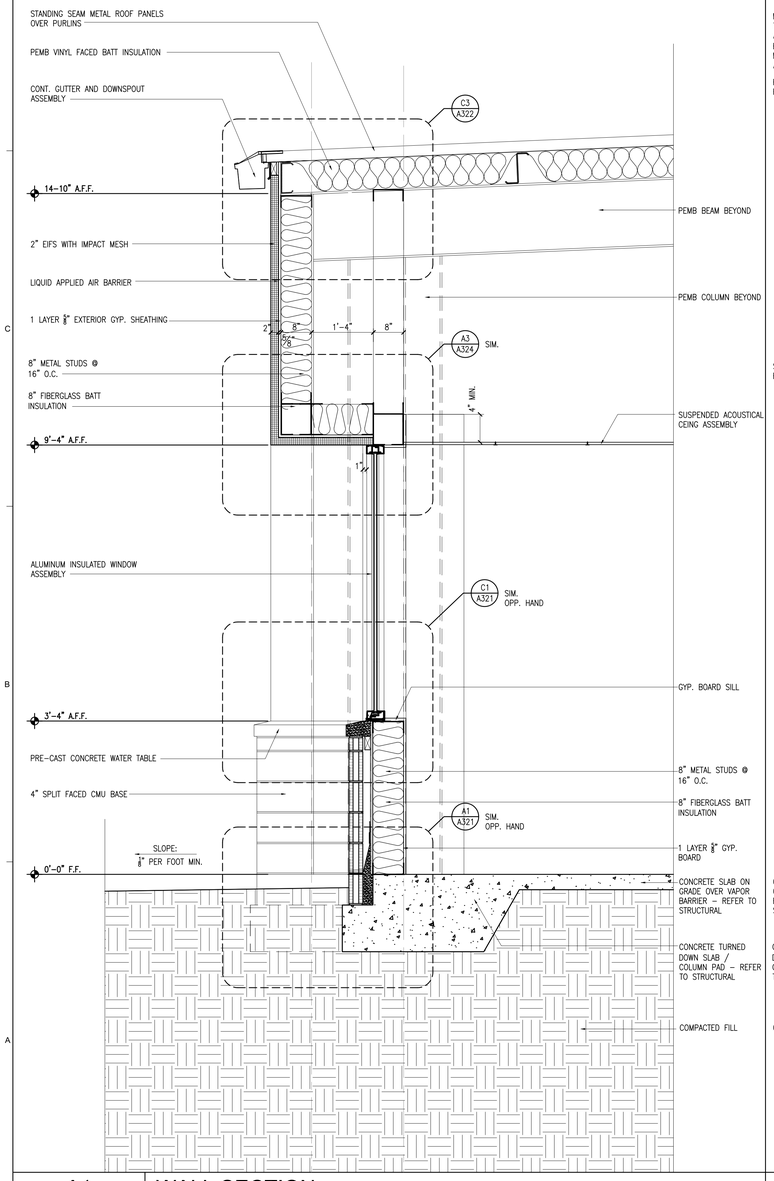
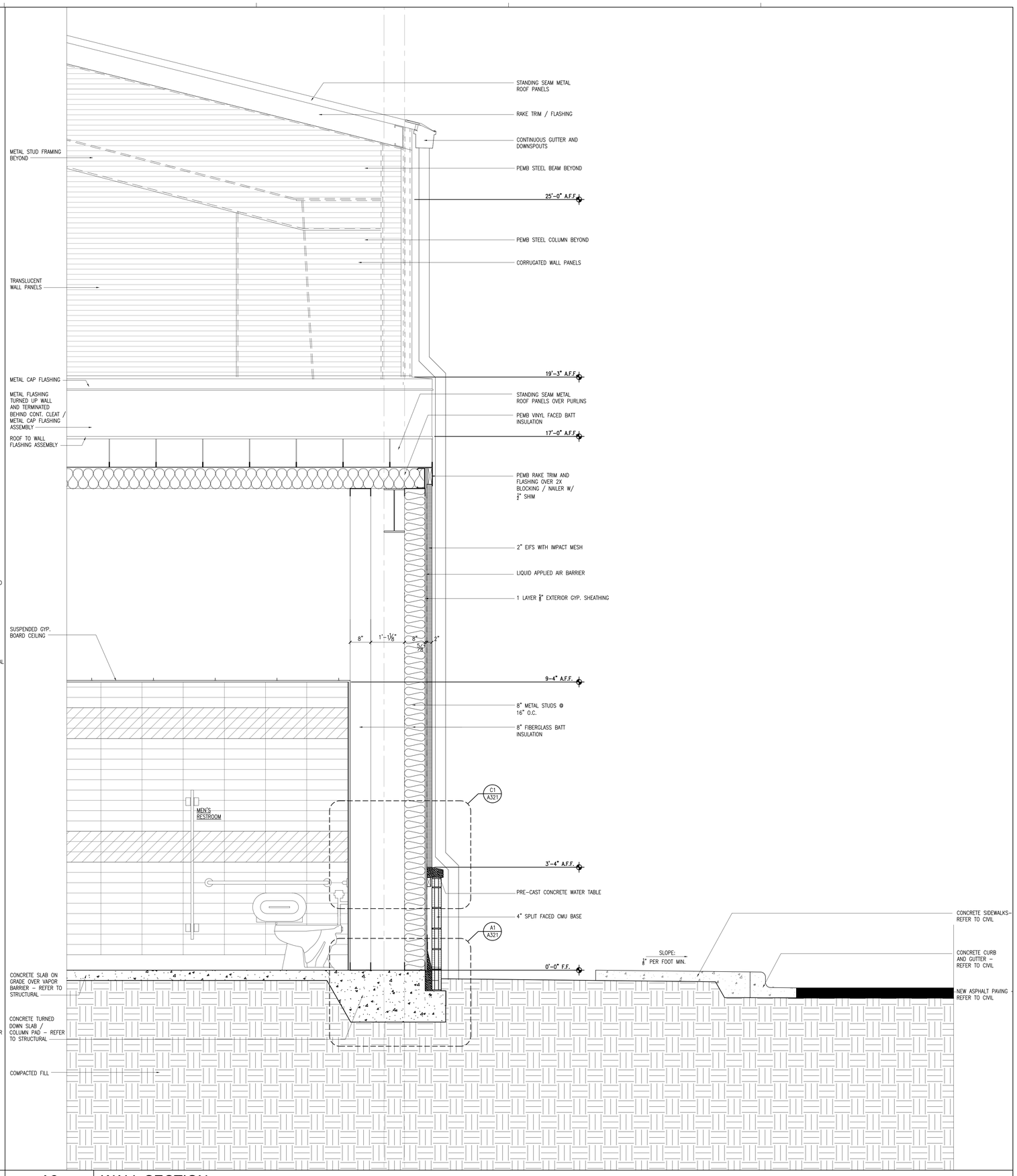


A1 WALL SECTION

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

(REFERENCE BLDG. SECTION 8)



A2 WALL SECTION

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

(REFERENCE BLDG. SECTION 5)

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

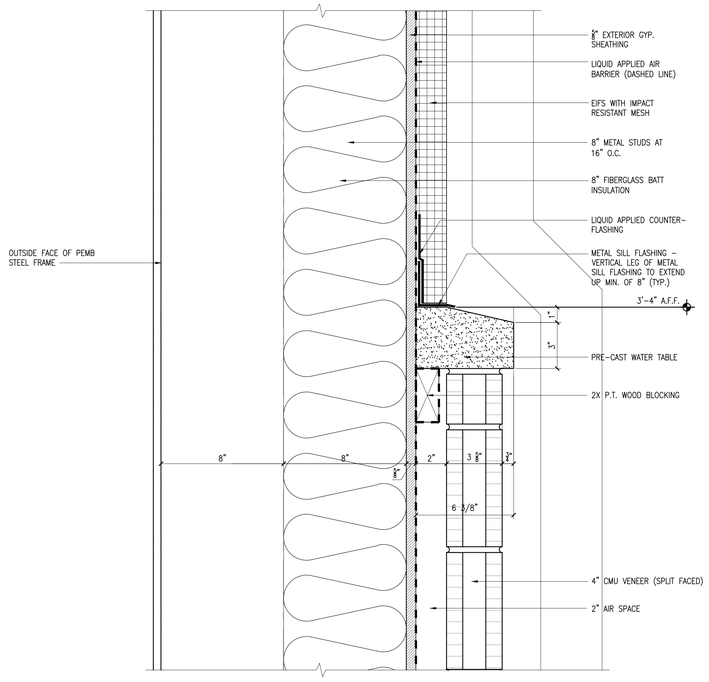
REVISIONS:

No.	Description	Date

WALL SECTIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A317



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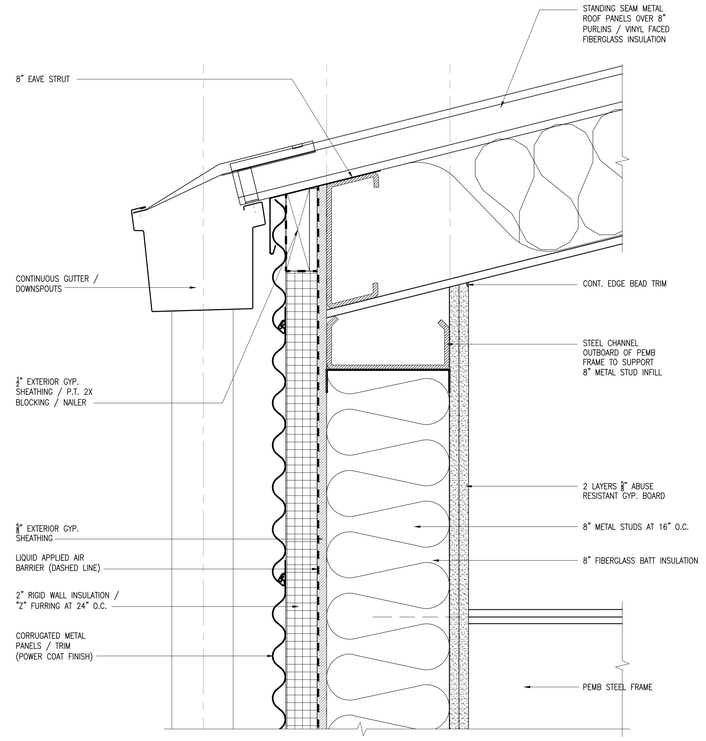
SCALE: 3" = 1'-0"	REF. BUILDING SECTION ONE



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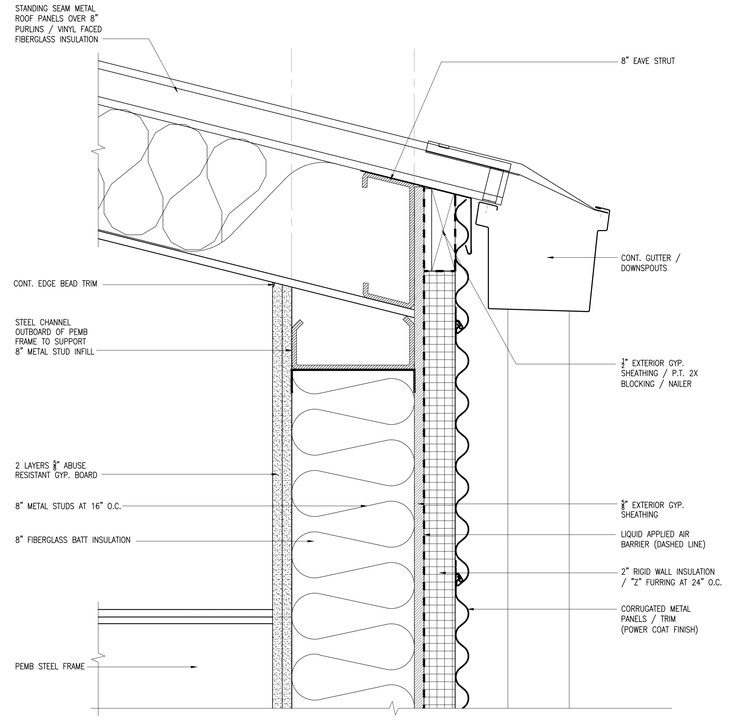
SCALE: 3" = 1'-0"	REF. BUILDING SECTION ONE



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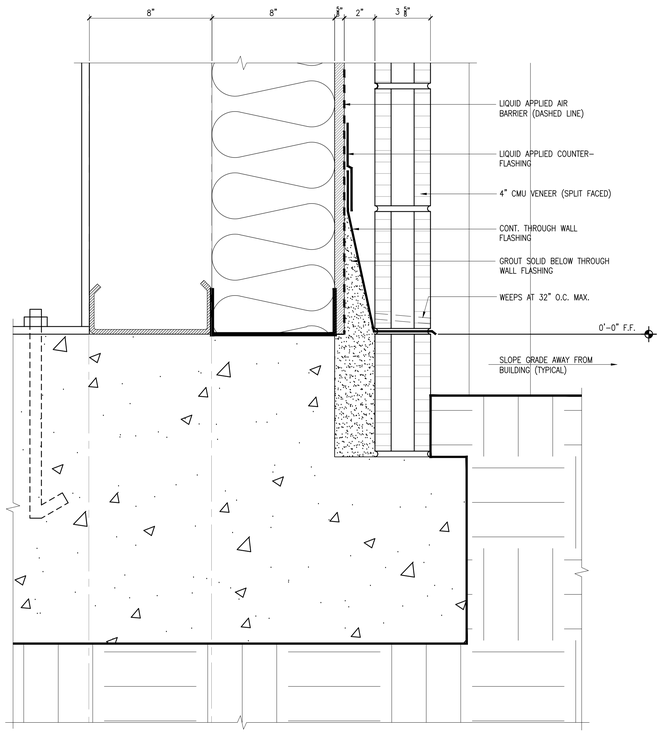
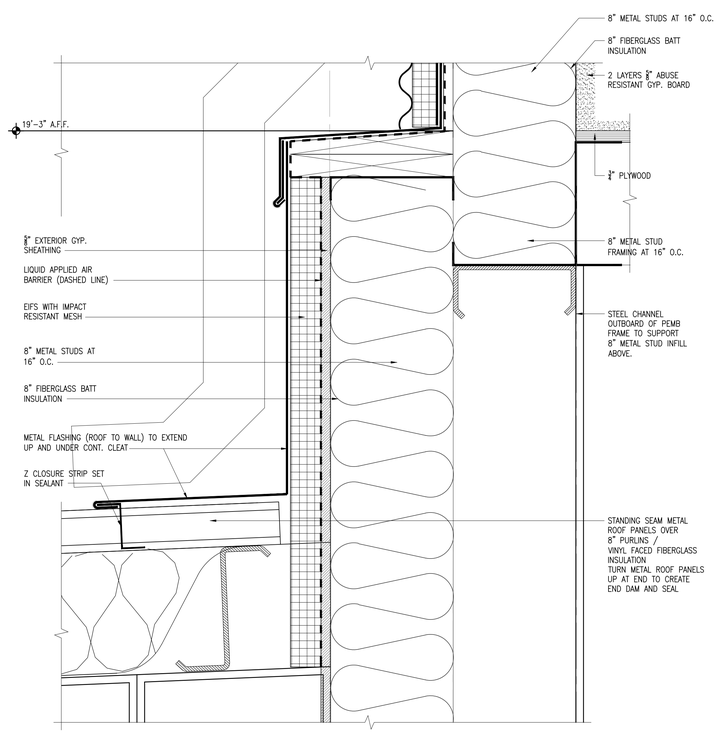


A1	SECTION DETAIL
SCALE: 3" = 1'-0"	REF. BUILDING SECTION ONE



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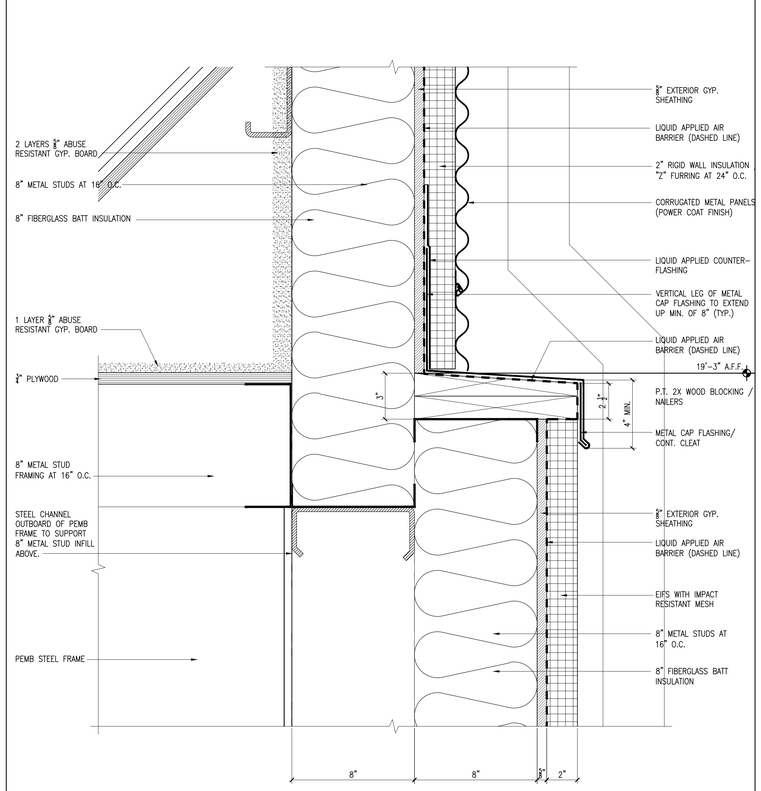

A3	SECTION DETAIL
SCALE: 3" = 1'-0"	REF. BUILDING SECTION ONE

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Date: 2025.02.07 15:37:30-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

SECTION DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A321

22019
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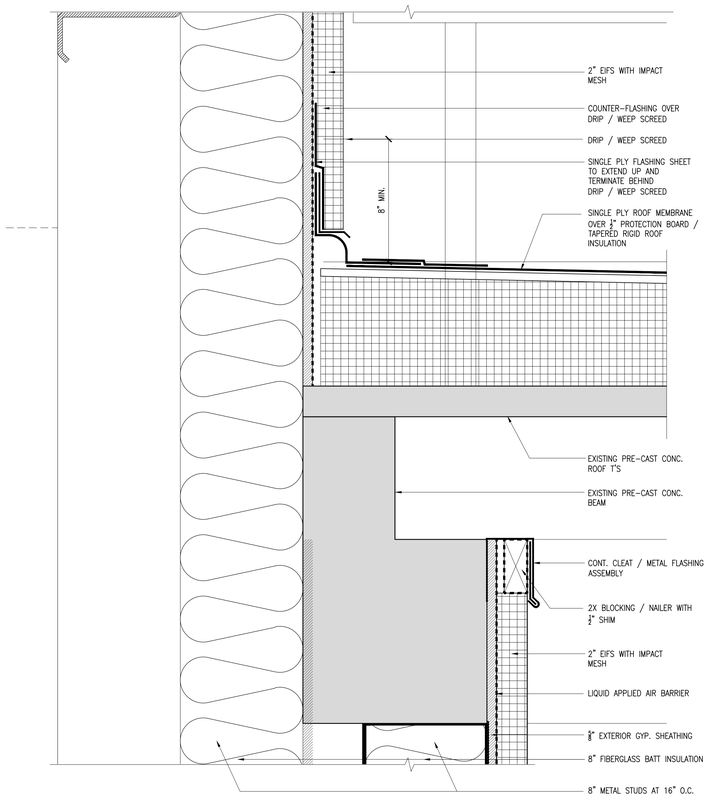
01/31/2025



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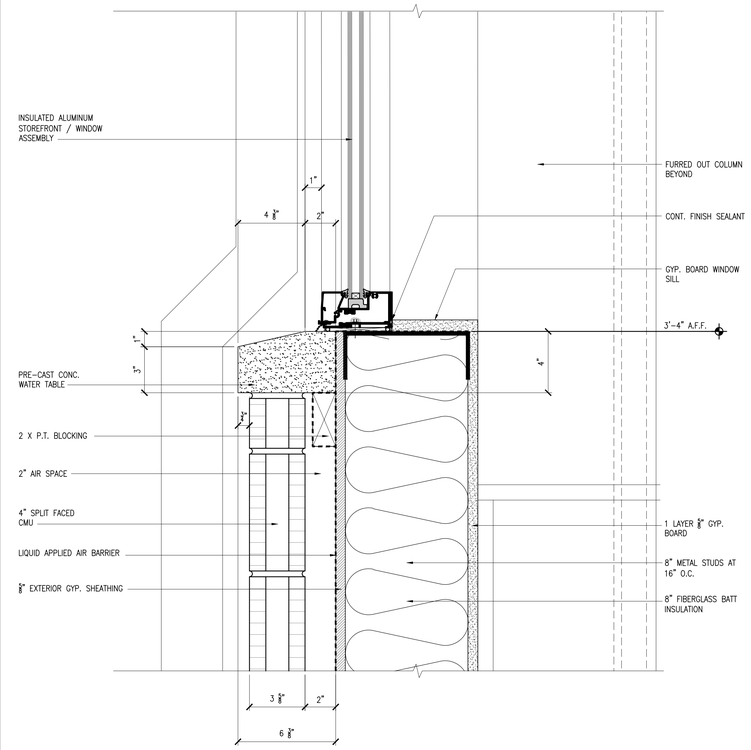

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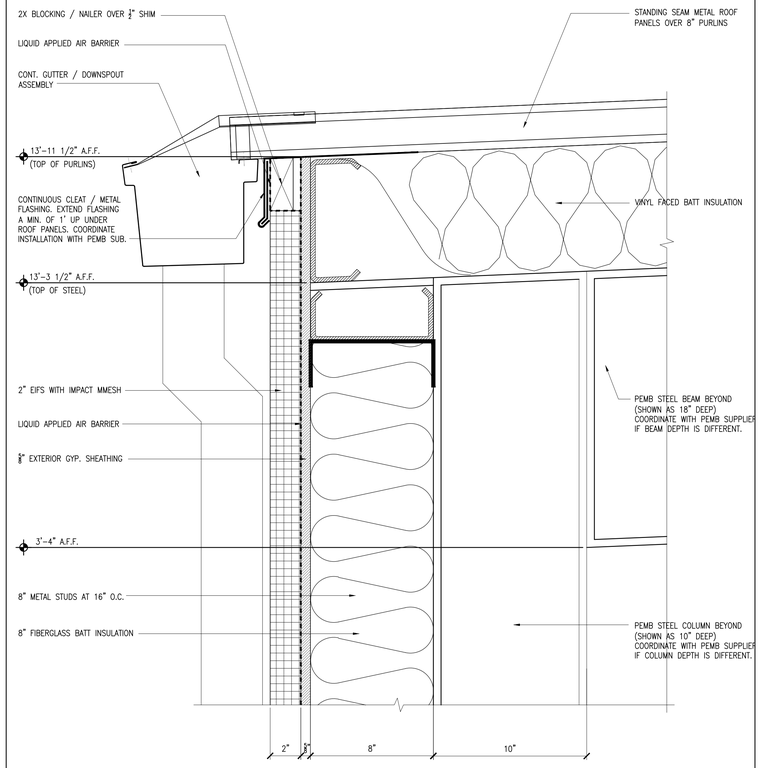

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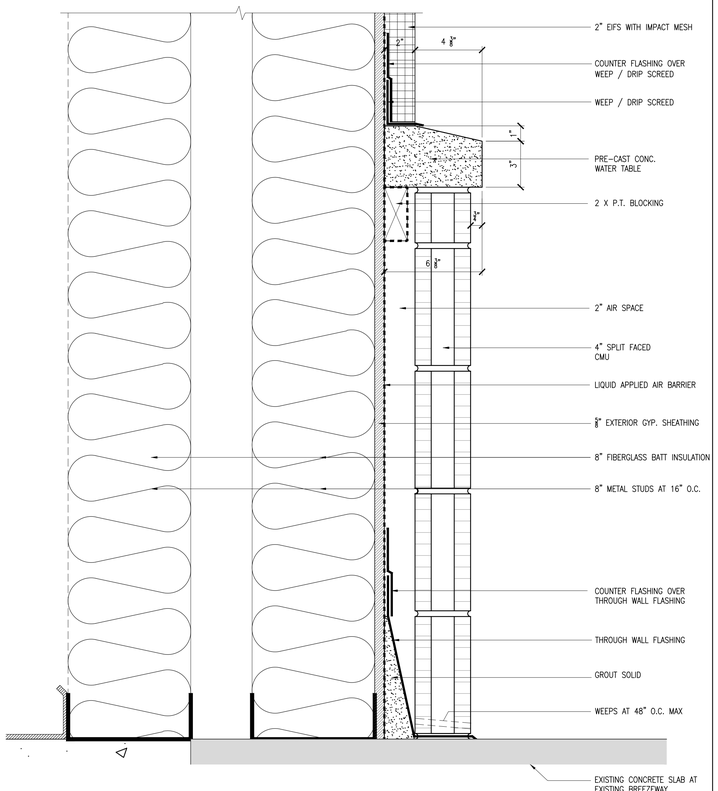
REF. BUILDING SECTION ONE



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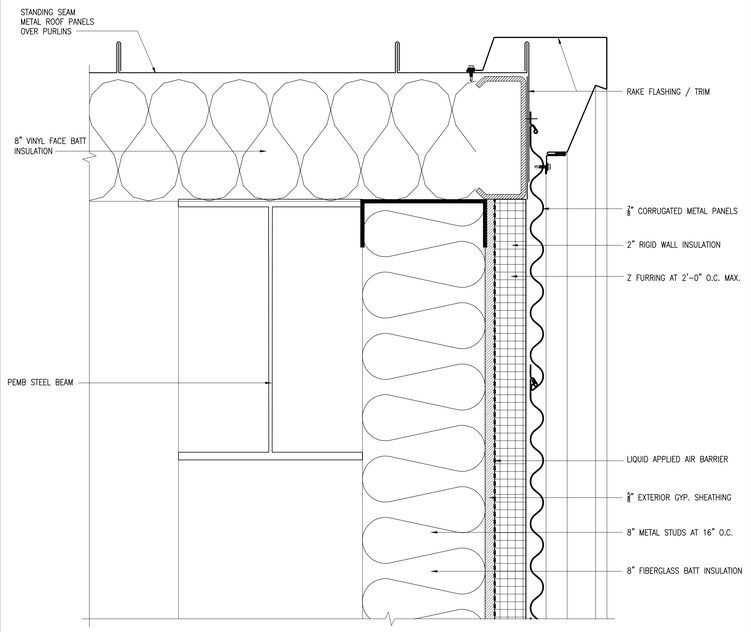

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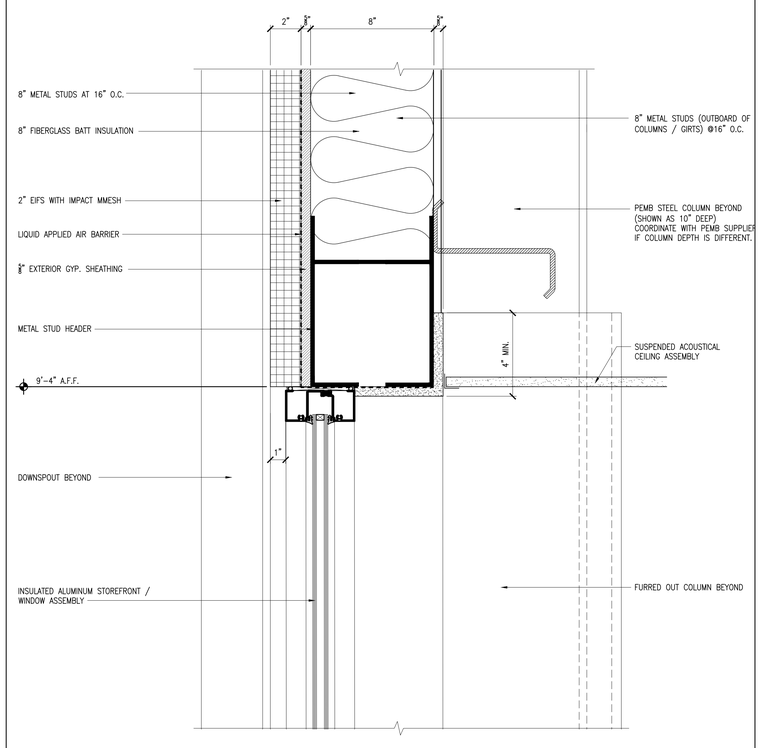

A3 SECTION DETAIL
SCALE: 3" = 1'-0"
REF. BUILDING SECTION ONE

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

SECTION DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A322

22019
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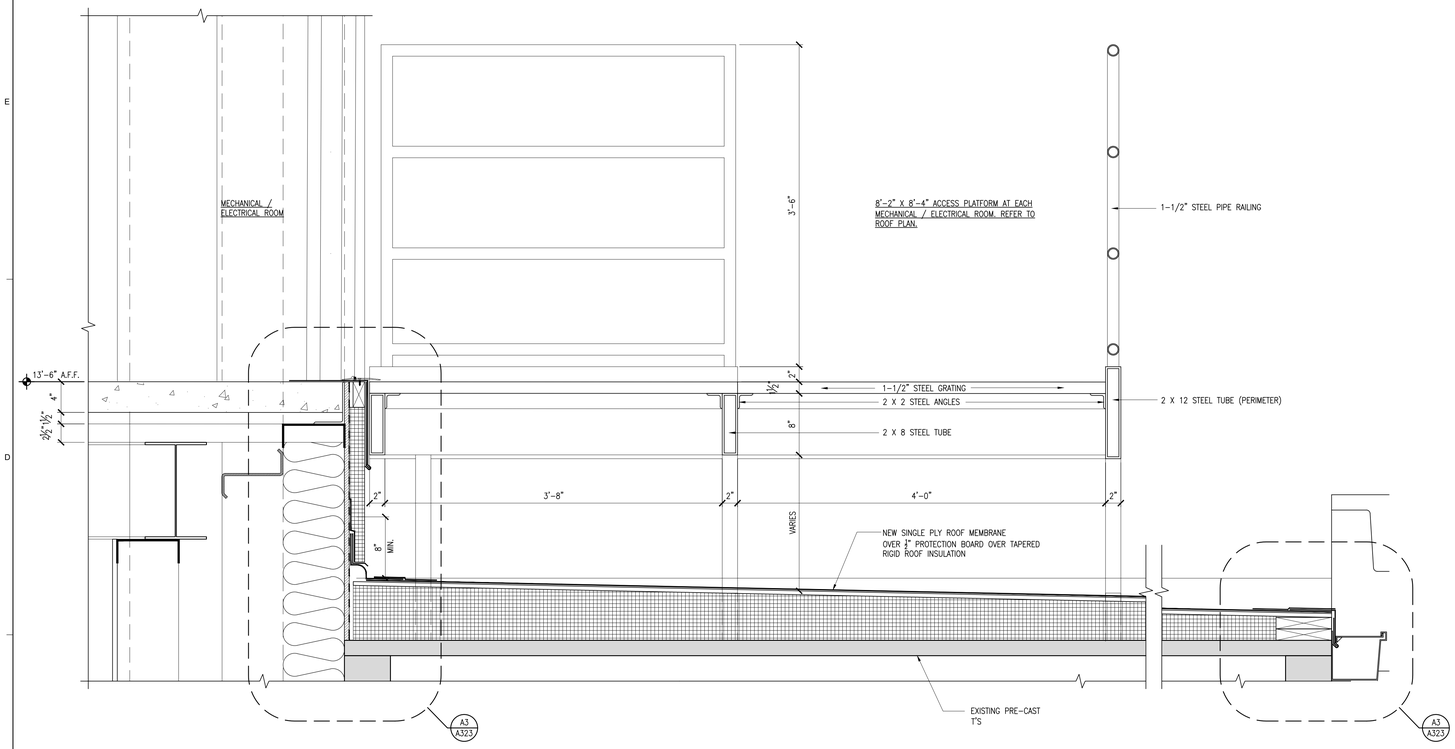
01/31/2025



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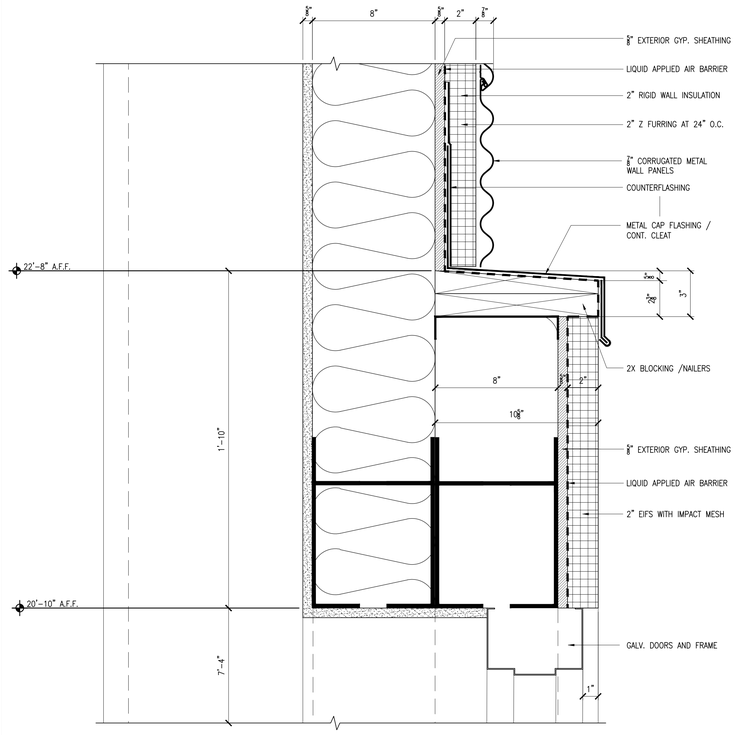

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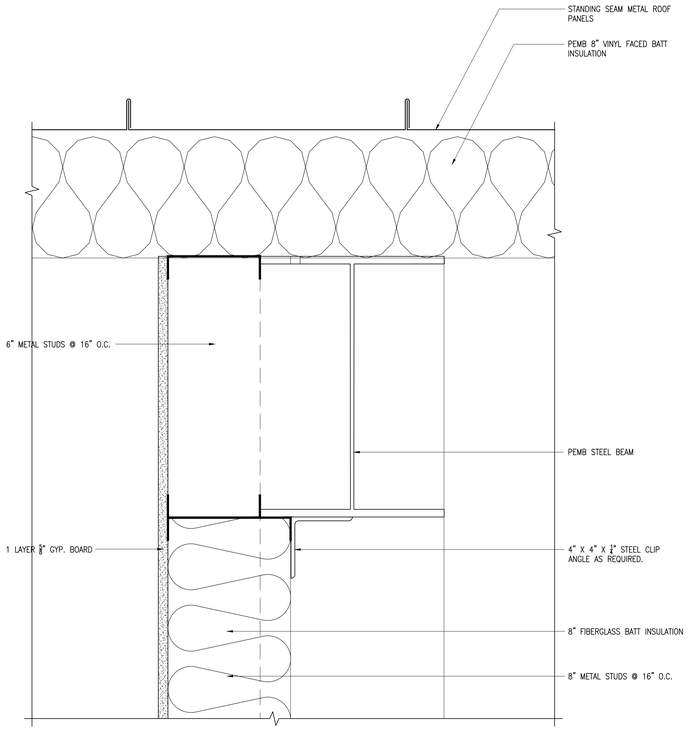

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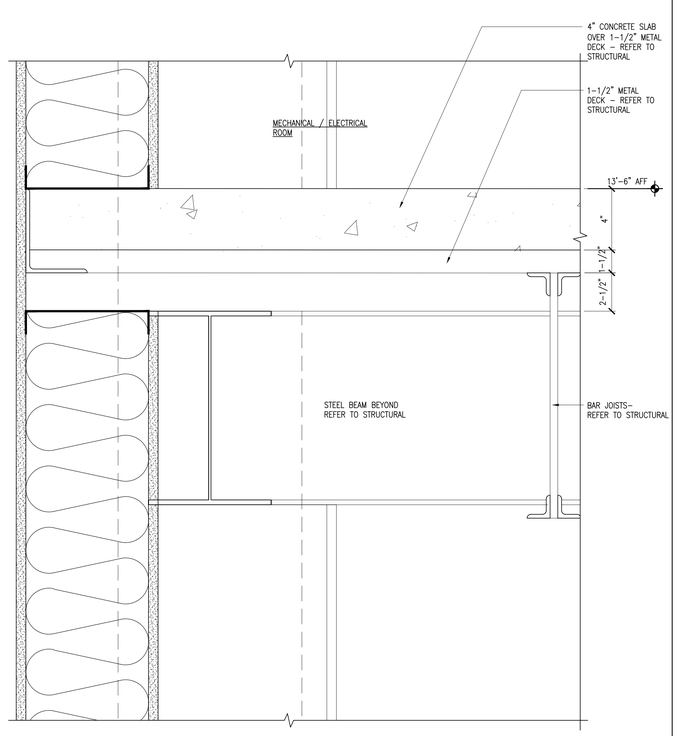

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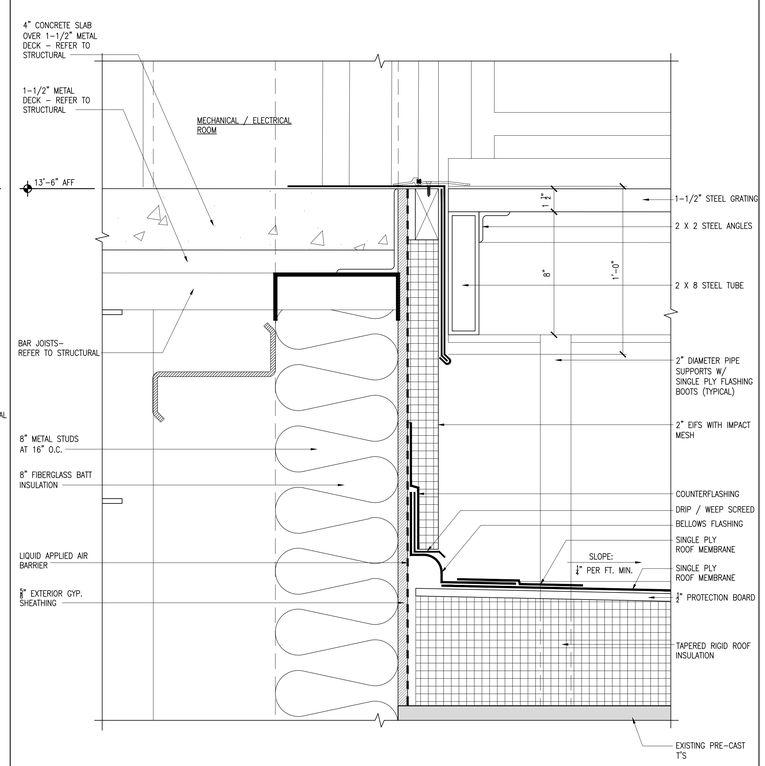

A3 SECTION DETAIL

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1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

SECTION DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A323

22019
01/31/2025
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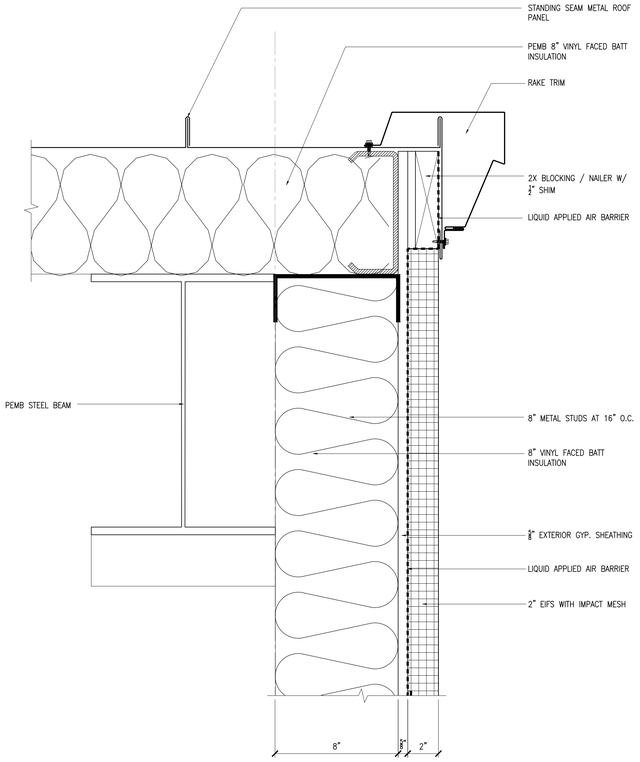

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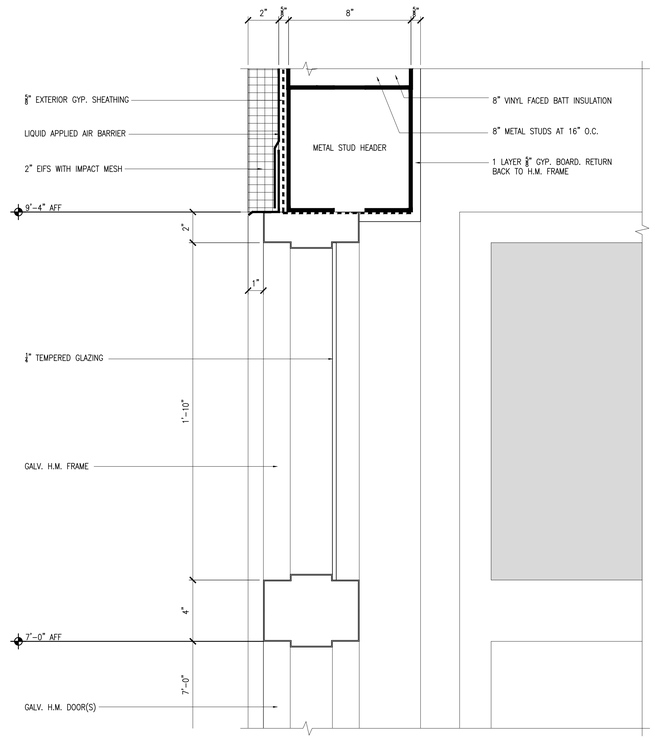

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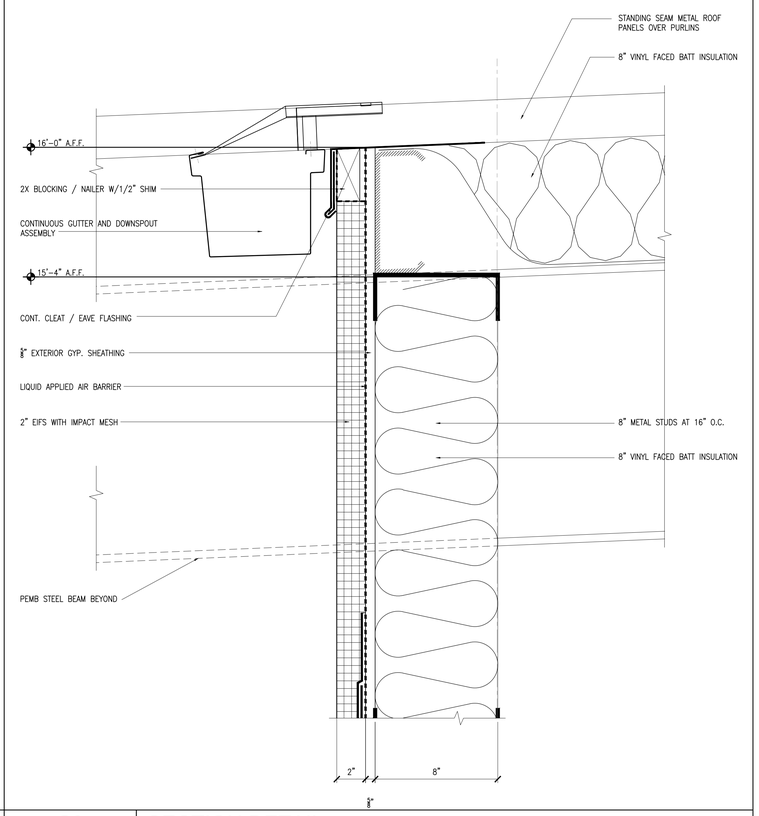

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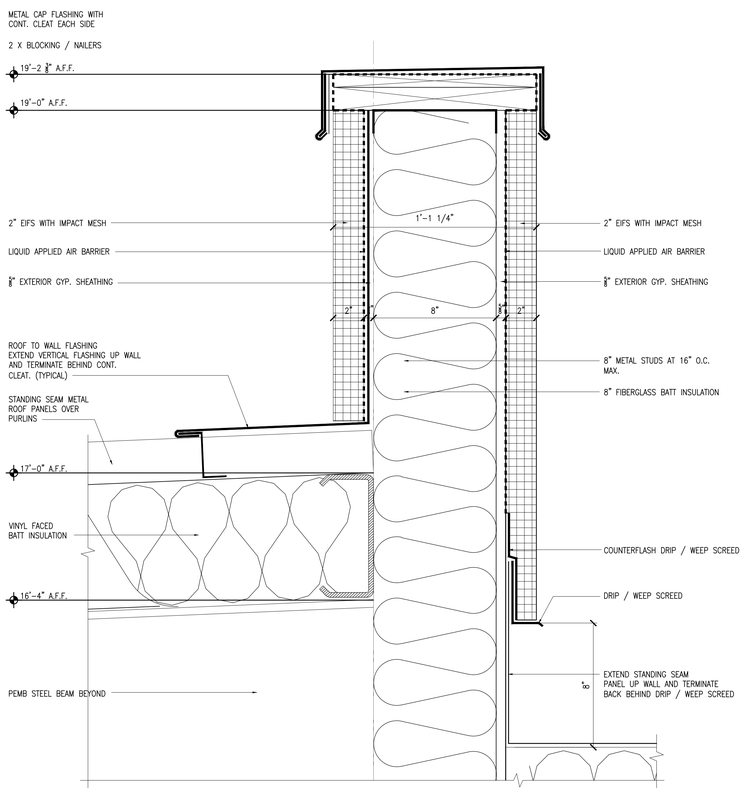

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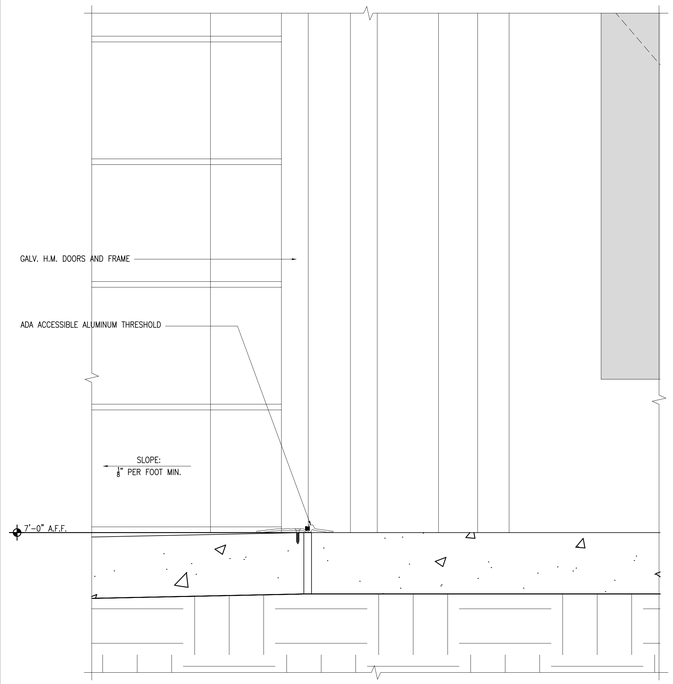

A2 SECTION DETAIL

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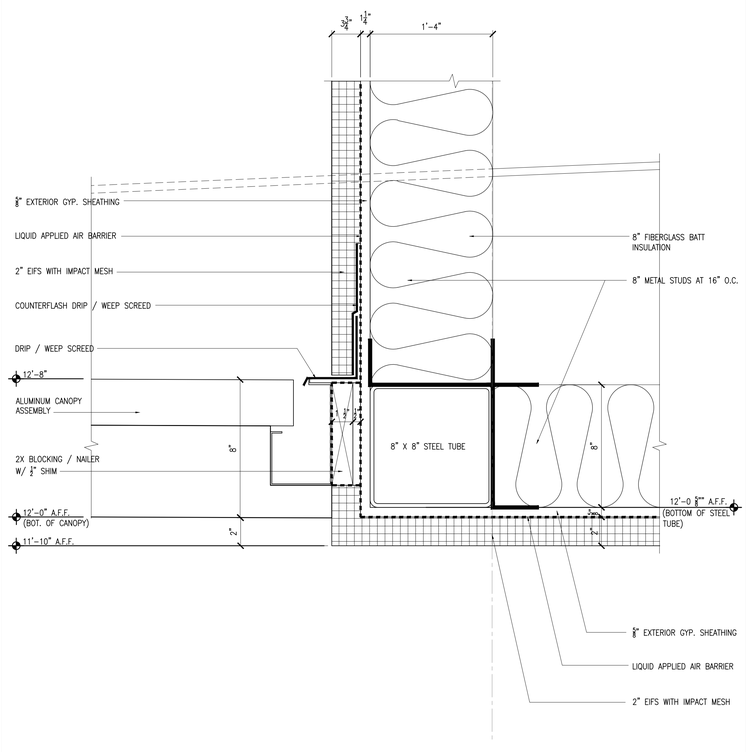

A3 SECTION DETAIL

SCALE: 3" = 1'-0"

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

SECTION DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A324

22019
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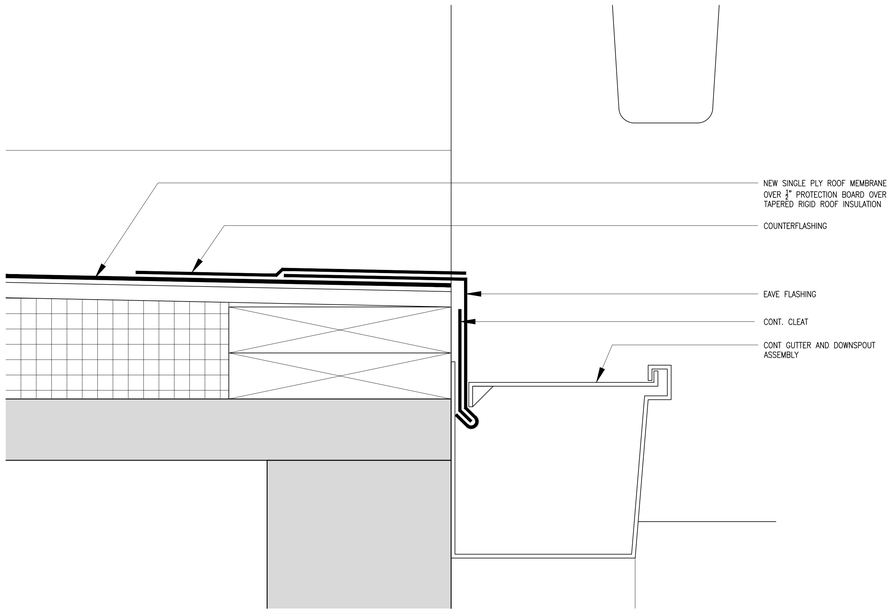
01/31/2025



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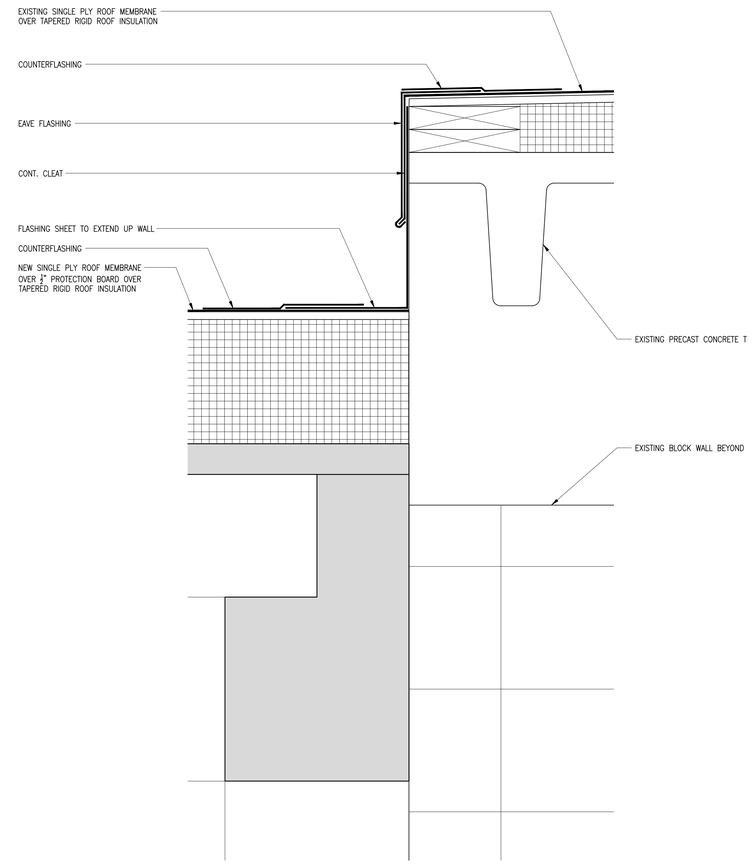
SCALE: 6"=1'-0" | (REFERENCE BUILDING SECTION 5)



A2 | SECTION DETAIL
SCALE: 3"=1'-0" | (REFERENCE BUILDING SECTION 5)

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

SECTION DETAILS

PROJECT NUMBER 22019
DATED 01/31/2025

A325

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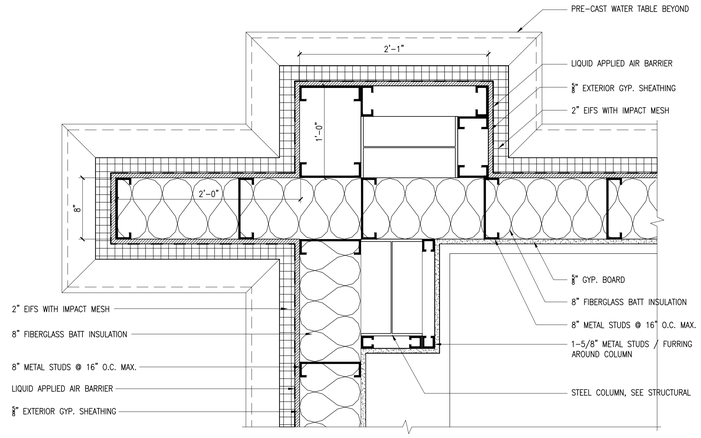
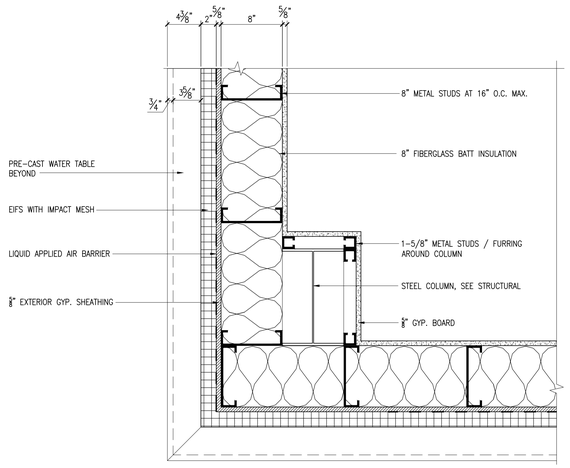


C1 PLAN DETAIL
SCALE: 3" = 1'-0"

B1 .
SCALE: N/A



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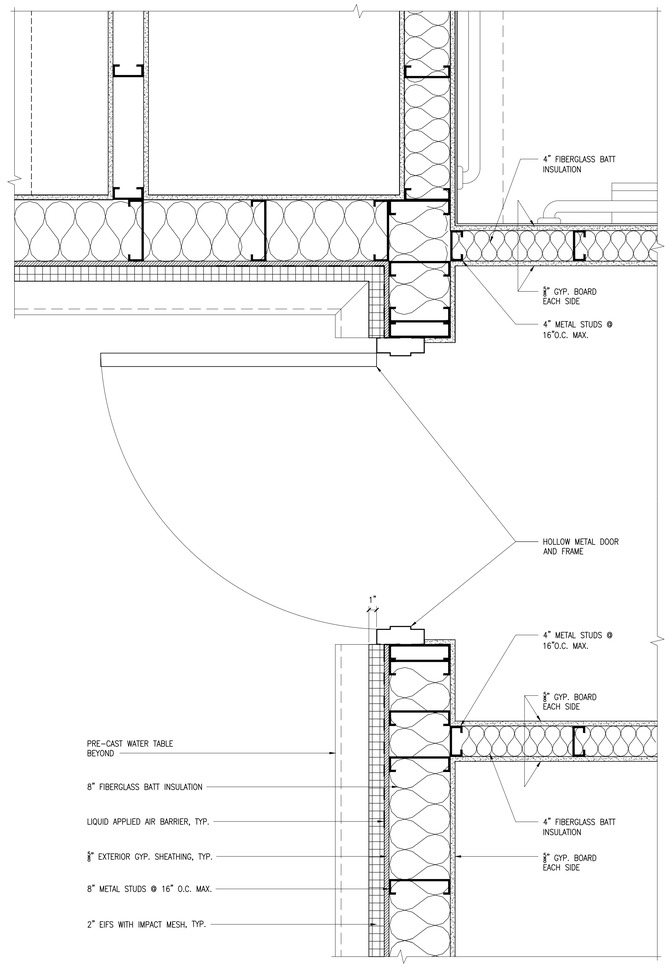

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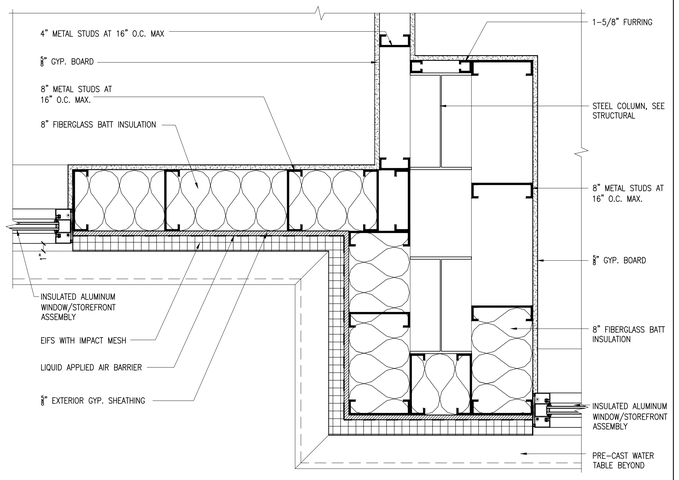

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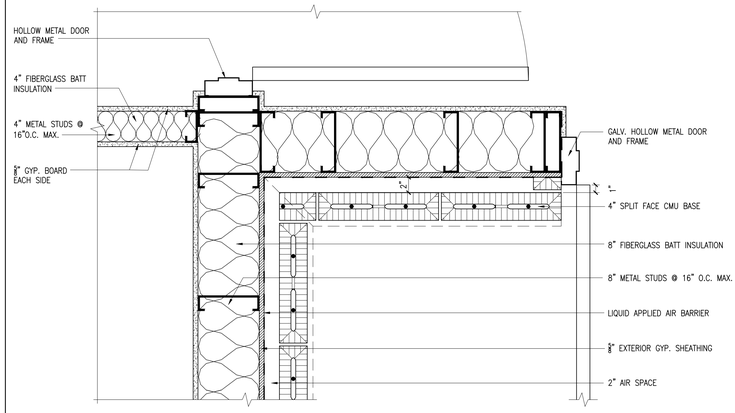

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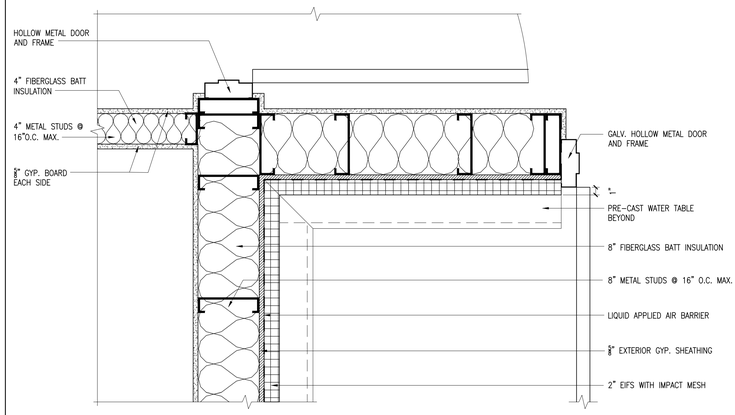

B3 PLAN DETAIL (ABOVE PRE-CAST WATER TABLE)
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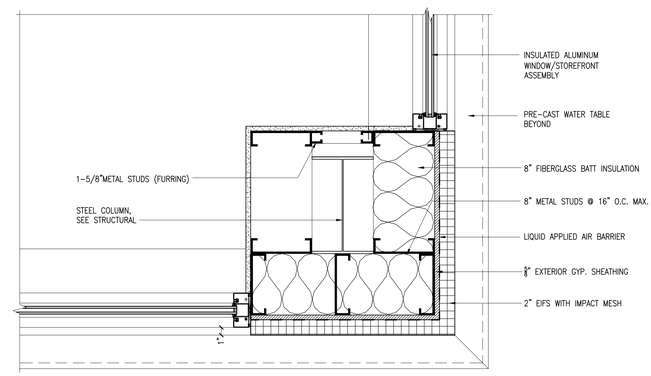

A3 PLAN DETAIL
SCALE: 1-1/2" = 1'-0"

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

PLAN DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A331

22019
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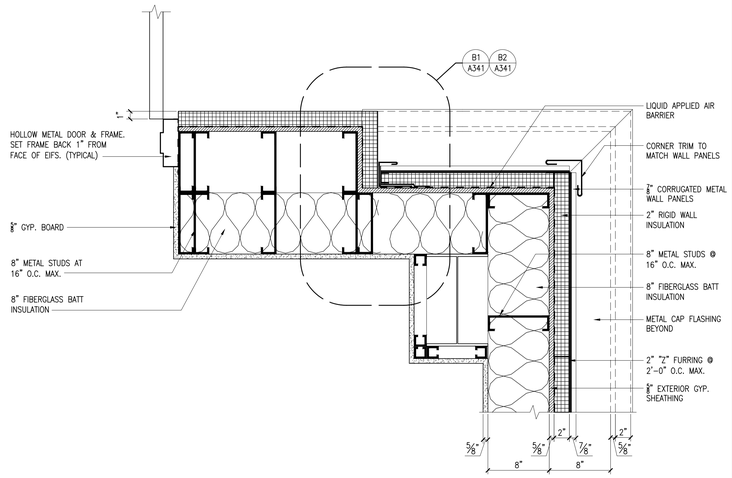
01/31/2025



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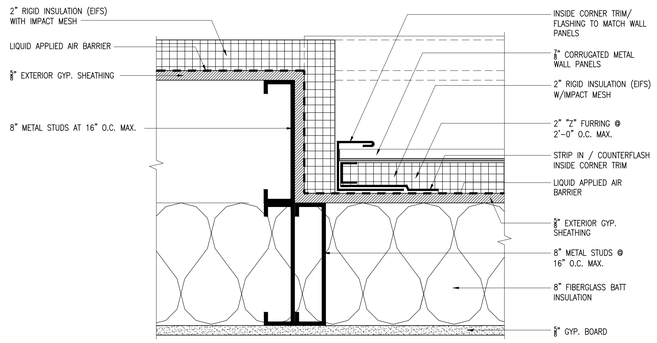
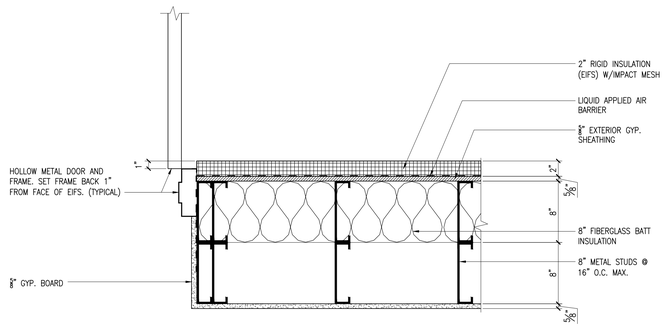


B1	PLAN DETAIL
SCALE: 3" = 1'-0"	



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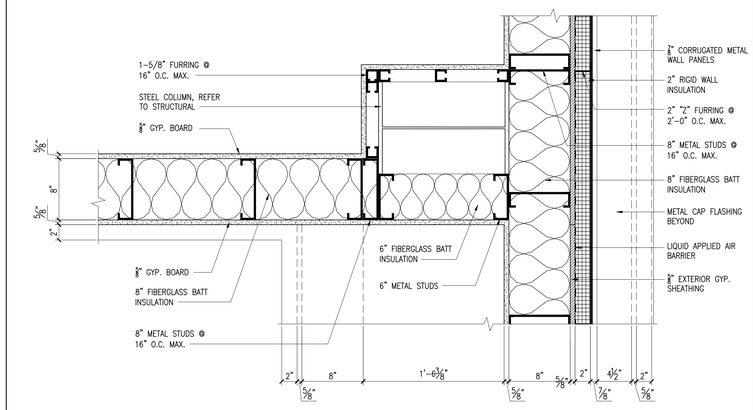

B3	PLAN DETAIL
SCALE: 1-1/2" = 1'-0"	

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AR0007964
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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

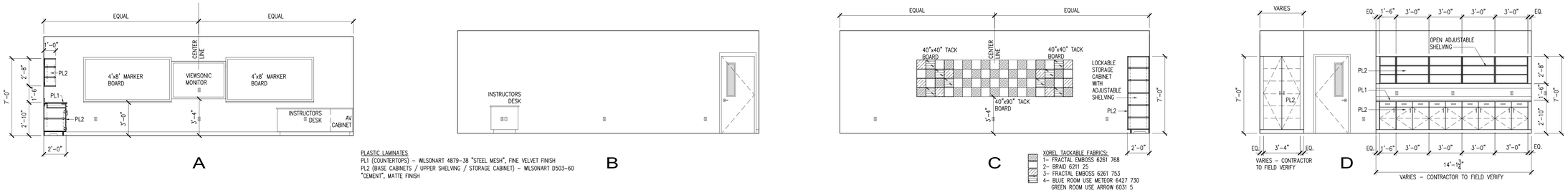
REVISIONS:

No.	Description	Date

PLAN DETAILS

PROJECT NUMBER	**22019**
DATED	01/31/2025

A341



PLASTIC LAMINATES
PL1 (COUNTERTOPS) – WILSONART 4879-38 "STEEL MESH", FINE VELVET FINISH
PL2 (BASE CABINETS / UPPER SHELVING / STORAGE CABINET) – WILSONART D503-60 "CEMENT", MATTE FINISH

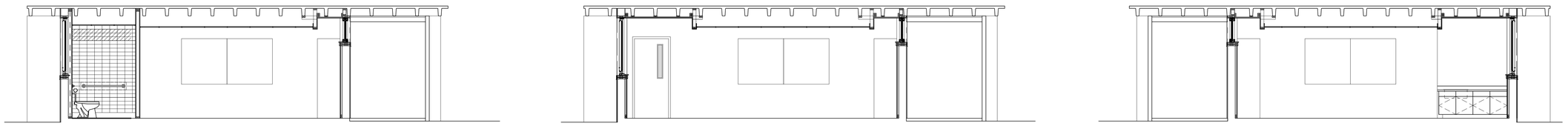
XOREL TACKABLE FABRICS:
1– FRACTAL EMBOSS 6261 768
2– BRAD 6211 25
3– FRACTAL EMBOSS 6261 753
4– BLUE ROOM USE METEOR 6427 730
GREEN ROOM USE ARROW 6031 5

E1 TYPICAL CLASSROOM - INTERIOR ELEVATIONS (BUILDING A)

SCALE: 1/4" = 1'-0" | ROOM 126

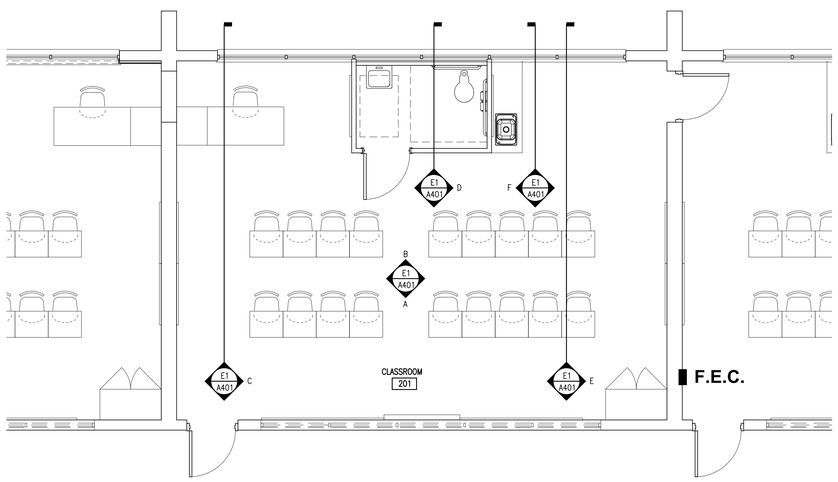
D1 TYPICAL CLASSROOM - INTERIOR ELEVATIONS (BUILDING K)

SCALE: 1/4" = 1'-0" | ROOM 201



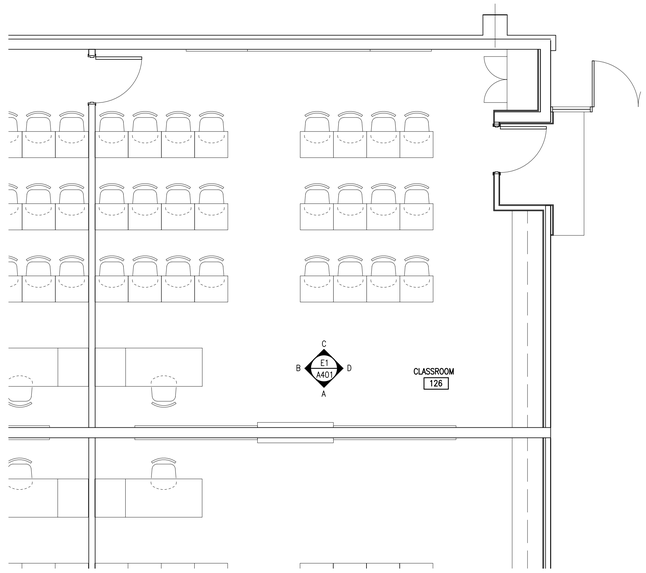
C1 TYPICAL CLASSROOM - INTERIOR ELEVATIONS (BUILDING K)

SCALE: 1/4" = 1'-0" | ROOM 201



A1 ENLARGED PLAN OF TYP. CLASSROOM

SCALE: 1/4" = 1'-0" | BUILDING K



A3 ENLARGED PLAN OF TYP. CLASSROOM

SCALE: 1/4" = 1'-0" | BUILDING A

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Date: 2025.02.07 15:40:33-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

ENLARGED CLASSROOM PLAN
- INTERIOR ELEVATIONS

PROJECT NUMBER 22019
DATED 01/31/2025

A401

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22019
REVISIONS
01/31/2025
100% CONSTRUCTION DOCUMENTS

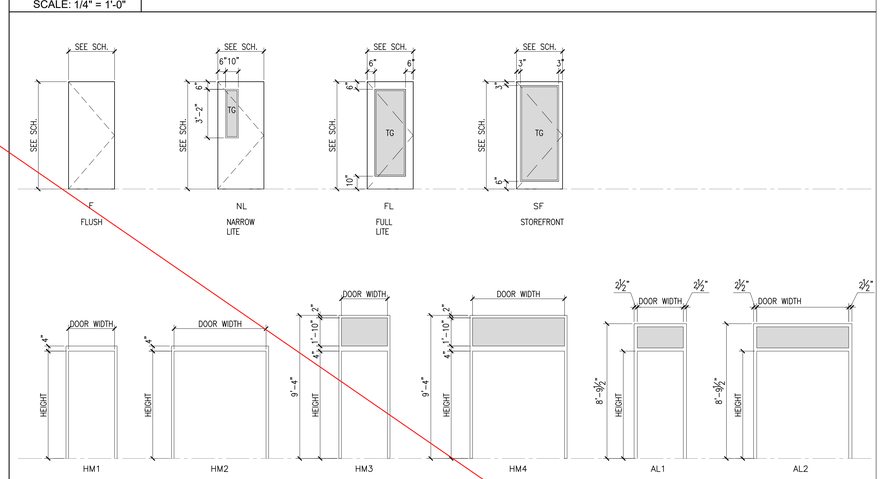
50 HM FRAMES
64 DOORS & HDW

8 STOREFRONT FRAMES
15 DOORS & HDW

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR MATERIAL	DOOR SIZE	FRAME TYPE	FRAME MATERIAL	FRAME: DOOR DETAILS ARE LABELED ON THE "TYPES" OF THIS SHEET (DETAIL LOCATED ON SHEET A501.2 & A501.3) HEAD	FRAME JAMB	FRAME SILL	FIRE RATING LABEL	REMARKS SEE SPECIFIC NOTES
DOOR SEE B3/A501 FOR DOOR TYPES										
100	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
100A	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
101	NL	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A3 / 501.2	60 MIN	
101A	NL	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	60 MIN	
101B	NL	GHM	3'-0"x7'-0"	HM1	GHM	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
103	NL	SCWD	PR 4'-0"x7'-0"	HM2	HM	E2 / 501.2	D2 / 501.2	A3 / 501.2	60 MIN	
106A	SF	SCWD	PR 3'-0"x7'-0"	AL2	HM	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
106B	SF	SCWD	PR 3'-0"x7'-0"	AL2	HM	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
106C	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
106D	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
107	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
108	FL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
109	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
110	FL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
110A	FL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
111	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
112	FL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
113	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
114	F	SCWD	3'-6"x7'-0"	HM3	HM	E3 / 501.2	D2 / 501.2	A1 / 501.2	N/A	
115	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
116	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
117	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
118	F	SCWD	3'-6"x7'-0"	HM3	HM	E3 / 501.2	D2 / 501.2	A1 / 501.2	N/A	
119	F	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
120	F	SCWD	3'-6"x7'-0"	HM3	HM	E3 / 501.2	D2 / 501.2	A1 / 501.2	N/A	
121	F	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
122	NL	SCWD	PR 3'-0"x7'-0"	HM4	HM	E3 / 501.2	D2 / 501.2	A1 / 501.2	N/A	
122A	F	SCWD	PR 3'-0"x7'-0"	HM2	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
122B	NL	GHM	3'-0"x7'-0"	HM3	HM	C3 / 501.2	B2 & B3 / A501.2	A2 / 501.2	N/A	
123	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
123A	F	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
124	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
124A	F	GHM	3'-0"x7'-0"	HM3	GHM	C3 / 501.2	B2 & B3 / A501.2	A2 / 501.2	N/A	
125	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
125A	F	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
126	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
126A	F	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
127	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
127A	F	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
128	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
128A	F	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
129	F	GHM	PR 3'-0"x7'-0"	HM4	GHM	C3 / 501.2	B2 & B3 / A501.2	A2 / 501.2	N/A	
130A	F	SCWD	PR 2'-6"x7'-0"	HM2	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
131A	F	SCWD	PR 2'-6"x7'-0"	HM2	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
132	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
133	NL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
201	F	GHM	PR 3'-0"x7'-0"	HM2	GHM	C2 / 501.2	B2 / 501.2	A2 / 501.2	N/A	
203	F	GHM	PR 3'-0"x7'-0"	HM2	GHM	C2 / 501.2	B2 / 501.2	A2 / 501.2	N/A	
C001	FL	SCWD	3'-0"x7'-0"	HM3	HM	E3 / 501.2	D2 / 501.2	A1 / 501.2	N/A	
C001A	SF	AL	3'-0"x7'-0"	AL1	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
C002	FL	SCWD	3'-0"x7'-0"	HM3	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
C003	FL	SCWD	PR 3'-0"x7'-0"	HM4	HM	E4 / 501.2	D2 / 501.2	A3 / 501.2	N/A	
C003A	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
C004	NL	SCWD	PR 3'-0"x7'-0"	HM4	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
C004A	NL	SCWD	PR 3'-0"x7'-0"	HM4	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
C005	FL	SCWD	PR 3'-0"x7'-0"	HM4	HM	E4 / 501.2	D2 / 501.2	A3 / 501.2	N/A	
C005A	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
C006	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	

C3 — DOOR AND FRAME SCHEDULE
SCALE: 1/4" = 1'-0"



B3 — H.M. DOOR AND FRAME TYPES
SCALE: 1/4" = 1'-0"

DOOR SCHEDULE GENERAL NOTES

1. MATERIAL ABBREVIATIONS
   HM = HOLLOW METAL
   GHM = GALVANIZED HOLLOW METAL
   SCWD = SOLID CORE WOOD DOOR
   SF = ALUMINUM STOREFRONT
   AL = ALUMINUM
   PR = PAIR
2. UNLESS NOTED OTHERWISE WHERE GLASS OCCURS IN DOORS PROVIDE TEMPERED GLASS (TG)
3. GLASS TYPE ABBREVIATIONS
   SEE SPECIFICATIONS
4. UNLESS NOTED OTHERWISE ALL DOORS ARE 1-3/4" THICK.
5. SEE DOOR HARDWARE SPECIFICATIONS FOR HARDWARE LOCKSET SCHEDULE.
6. ALL STOREFRONT DOOR GLASS TO BE LAMINATED GLASS (LG).
7. ALL STOREFRONT TRANSOM GLASS TO BE INSULATED, SEE SPECIFICATIONS.
8. EXTERIOR AND WET AREA HOLLOW METAL FRAMES AND DOORS TO BE GALVANIZED.
9. ALL CLASSROOM DOORS OFF OF CORRIDORS TO HAVE A CLOSER.

A3 — GENERAL NOTES
SCALE: NTS

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Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:40:55-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

DOOR & WINDOW SCHEDULES

PROJECT NUMBER	22019
DATED	01/31/2025

A501

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

DOOR SCHEDULE

DOOR NO.	DOOR TYPE	DOOR MATERIAL	DOOR SIZE	FRAME TYPE	FRAME MATERIAL	FRAME: DOOR DETAILS ARE LABELED ON THE "TYPES" OF THIS SHEET (DETAIL LOCATED ON SHEET A501.2 & A501.3) HEAD	JAMB	SILL	FIRE RATING LABEL	REMARKS SEE SPECIFIC NOTES
C007	NL	GHM	3'-0"x7'-0"	HM1	GHM	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
100A	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
100B	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
100C	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
100D	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
101	NL	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A3 / 501.2	60 MIN	
102	NL	SCWD	3'-0"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	60 MIN	
103	NL	SCWD	PR 4'-0"x7'-0"	HM2	HM	E2 / 501.2	D2 / 501.2	A3 / 501.2	60 MIN	
106A	SF	SCWD	PR 3'-0"x7'-0"	AL2	HM	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
106B	SF	SCWD	PR 3'-0"x7'-0"	AL2	HM	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
106C	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
106D	SF	AL	PR 3'-0"x7'-0"	AL2	AL	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	
107	FL	SCWD	3'-0"x7'-0"	HM3	HM	E3 / 501.2	D2 / 501.2	A1 / 501.2	N/A	
107A	NL	GHM	3'-0"x7'-0"	HM3	GHM	C2 / 501.3	B1 & B2 / A501.3	A1 / 501.3	N/A	DOOR ADDED ON REV. 2
108	FL	SCWD	3'-0"x7'-0"	HM1	HM	C1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
108A	OHCD SEE SPECS		10'-0"Wx4'-0"H"	O.H. ROLLING COIL DOOR		E1 / 501.3 SIM	D1 / 501.3 SIM	C1 / 501.3 SIM	N/A	BASIS OF DESIGN - MANUF.: OVERHEAD DOOR / MODEL: 650 ROLLING COUNTER DOOR, FACE MOUNT / OPERATION: MANUAL PUSH UP RH
109	F	SCWD	3'-6"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
110	F	SCWD	3'-6"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
111	F	SCWD	3'-6"x7'-0"	HM1	HM	D1 / 501.2	B1 / 501.2	A1 / 501.2	N/A	
112	F	GHM	3'-0"x7'-0"	HM1	GHM	C3 / 501.2	B2 & B3 / A501.2	A2 / 501.2	N/A	
DOORS LISTED BELOW WERE DELETED OR RENUMBERED ON SCOPE REDUCTION										
101A										
113										
114										
115										
116										
117										
118										
119										
120										
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122A										
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127A										
128										
128A										
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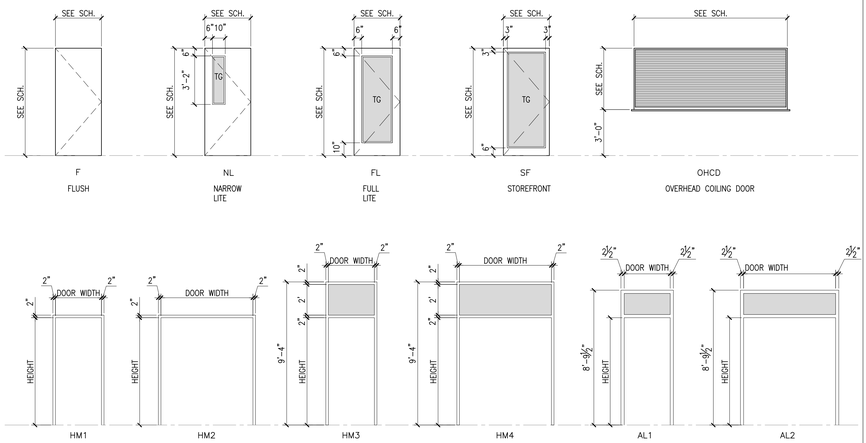
130A										
131A										
132										
133										
201										
203										
C001										
C001A										
C002										
C003										
C003A										
C004										
C004A										
C005										
C005A										
C006										

C3 DOOR AND FRAME SCHEDULE

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



B3 H.M. DOOR AND FRAME TYPES

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

DOOR SCHEDULE GENERAL NOTES

1. MATERIAL ABBREVIATIONS
   HM = HOLLOW METAL
   GHM = GALVANIZED HOLLOW METAL
   SCWD = SOLID CORE WOOD DOOR
   SF = ALUMINUM STOREFRONT
   AL = ALUMINUM
   PR = PAIR
2. UNLESS NOTED OTHERWISE WHERE GLASS OCCURS IN DOORS PROVIDE TEMPERED GLASS (TG)
3. GLASS TYPE ABBREVIATIONS SEE SPECIFICATIONS
4. UNLESS NOTED OTHERWISE ALL DOORS ARE 1-3/4" THICK.
5. SEE DOOR HARDWARE SPECIFICATIONS FOR HARDWARE LOCKSET SCHEDULE.
6. ALL STOREFRONT DOOR GLASS TO BE LAMINATED GLASS (LG).
7. ALL STOREFRONT TRANSOM GLASS TO BE INSULATED, SEE SPECIFICATIONS.
8. EXTERIOR AND WET AREA HOLLOW METAL FRAMES AND DOORS TO BE GALVANIZED.
9. ALL CLASSROOM DOORS OFF OF CORRIDORS TO HAVE A CLOSER.

A3 GENERAL NOTES

SCALE: NTS

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	SCOPE REDUCTION	2/6/2026

ALTERNATE
DOOR & WINDOW
SCHEDULES

PROJECT NUMBER	22019
DATED	01/31/2025

A501.A

PLOT DATE: 2/6/2026 10:21:56 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2Working\Docs\A501.A Door & Frame Schedule.dwg
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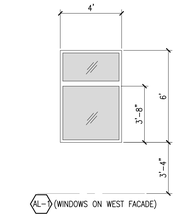
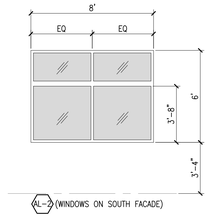
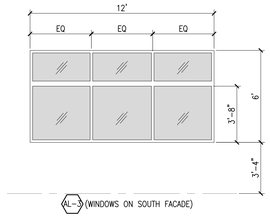


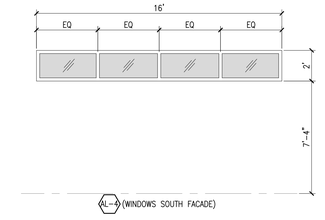
BASIS OF DESIGN: FL 550 (CORAL INDUSTRIES) – 2-1/2" X 5" WITH 1-5/16 INSULATED LAMINATED GLAZING.



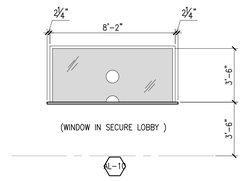
BASIS OF DESIGN: FL 550 (CORAL INDUSTRIES) – 2-1/2" X 5" WITH 1-5/16 INSULATED LAMINATED GLAZING.



BASIS OF DESIGN: FL 550 (CORAL INDUSTRIES) – 2-1/2" X 5" WITH 1-5/16 INSULATED LAMINATED GLAZING.



BASIS OF DESIGN: FL 550 (CORAL INDUSTRIES) – 2-1/2" X 5" WITH 1-5/16 INSULATED LAMINATED GLAZING.



BASIS OF DESIGN: FL 550 (CORAL INDUSTRIES) – 2-1/2" X 5" WITH 1-5/16 INSULATED LAMINATED GLAZING.

C3	STOREFRONT WINDOW TYPES / ELEVATIONS
SCALE: 1/4" = 1'-0"	

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22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

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STATE OF FLORIDA
OWEN E. GIPSON
AR0009694
REGISTERED ARCHITECT

Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:41:26-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

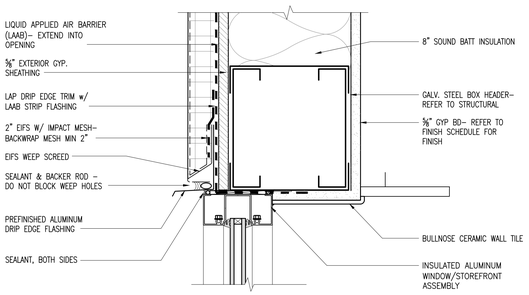
REVISIONS:

No.	Description	Date

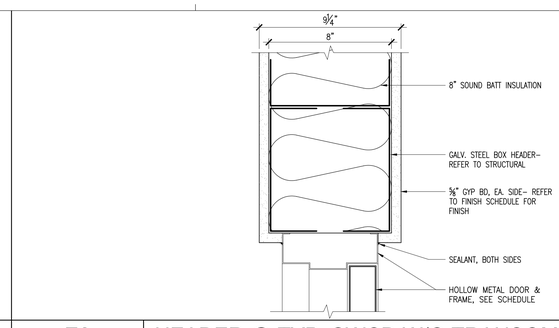
WINDOW AND WALL PANEL TYPES / ELEVATIONS

PROJECT NUMBER	22019
DATED	01/31/2025

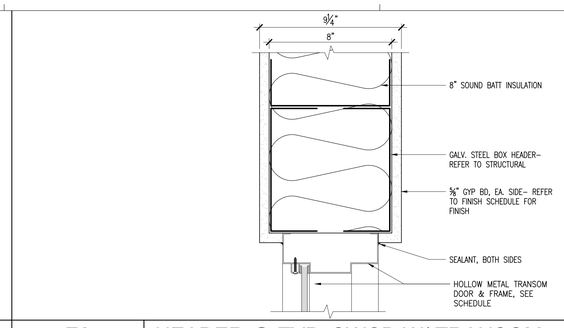
A501.1



E1	HEAD @ R.R. TRANSOM WINDOW
SCALE: 3"=1'-0"	



E2	HEADER @ TYP. SWCD W/O TRANSOM
SCALE: 3"=1'-0"	8" INTERIOR GYP. BD. WALL



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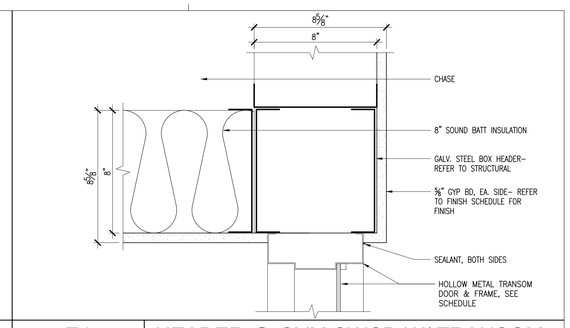
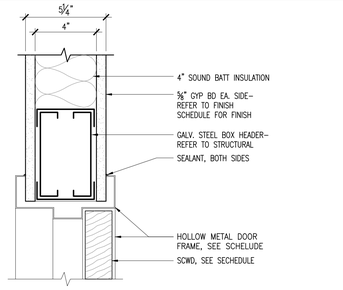
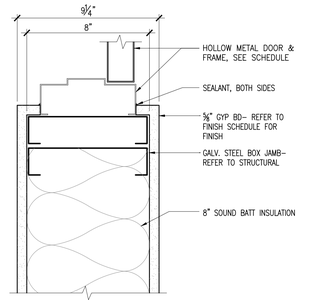
SCALE: 3"=1'-0"	8" INTERIOR GYP. BD. WALL



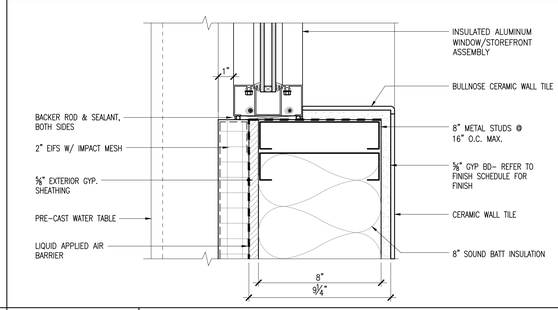
E4	HEADER @ GYM SWCD W/ TRANSOM
SCALE: 3"=1'-0"	8" INTERIOR GYP. BD. CHASE WALL



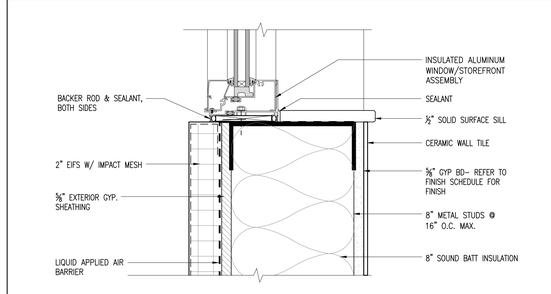
D1	HEAD W/O TRANSOM @ TYP. SCWD
SCALE: 3"=1'-0"	4" INTERIOR GYP. BD. WALL



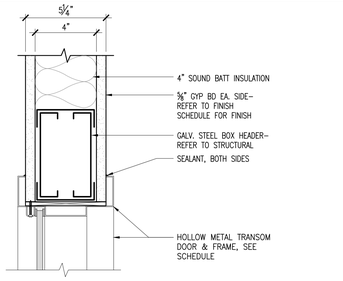
D2	JAMB @ TYP. INTERIOR SCWD
SCALE: 3"=1'-0"	8" INTERIOR GYP. BD. WALL



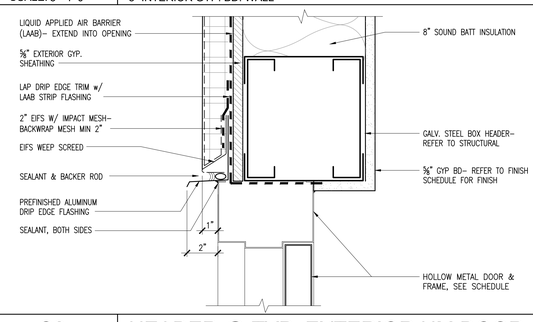
D3	JAMB @ R.R. TRANSOM WINDOW
SCALE: 3"=1'-0"	



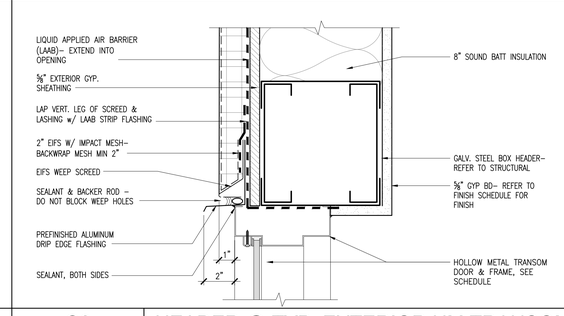
D4	SILL @ R.R. TRANSOM WINDOW
SCALE: 3"=1'-0"	



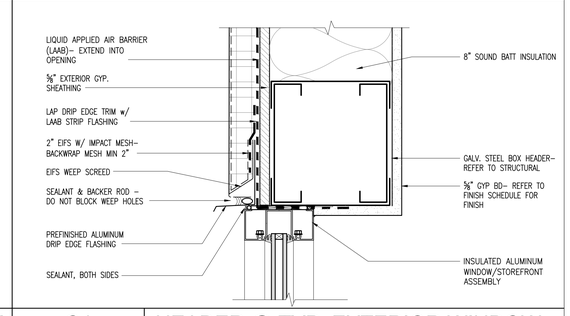
C1	HEADER W/ TRANSOM @ TYP. SCWD
SCALE: 3"=1'-0"	4" INTERIOR GYP. BD. WALL



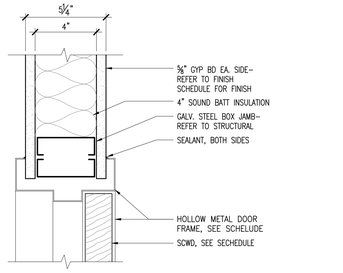
C2	HEADER @ TYP. EXTERIOR HM DOOR
SCALE: 3"=1'-0"	8" EXTERIOR WALL



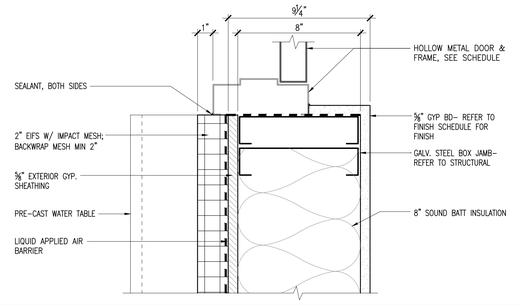
C3	HEADER @ TYP. EXTERIOR HM TRANSOM
SCALE: 3"=1'-0"	8" EXTERIOR WALL



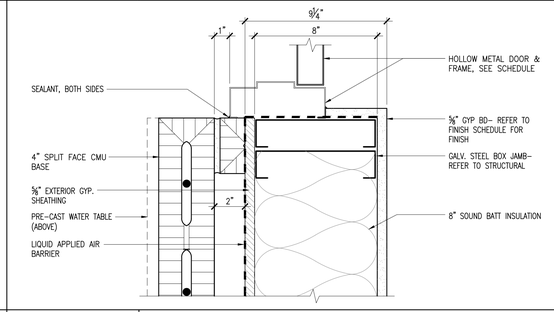
C4	HEADER @ TYP. EXTERIOR WINDOW
SCALE: 3"=1'-0"	8" EXTERIOR WALL



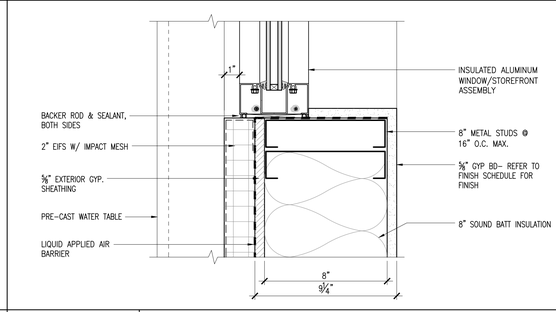
B1	JAMB @ TYP. INTERIOR SCWD
SCALE: 3"=1'-0"	4" INTERIOR GYP. BD. WALL



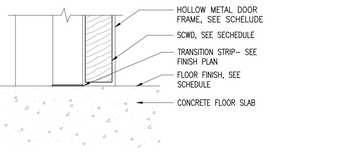
B2	JAMB @ TYP. EXTERIOR HM DOOR
SCALE: 3"=1'-0"	ABOVE WATER TABLE



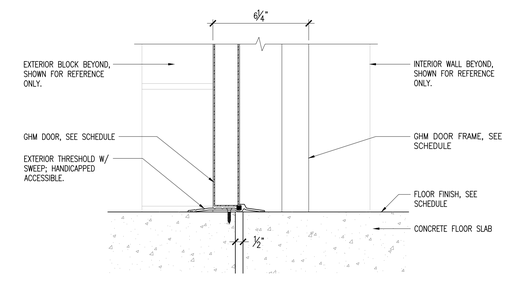
B3	JAMB @ TYP. EXTERIOR HM DOOR
SCALE: 3"=1'-0"	BELOW WATER TABLE



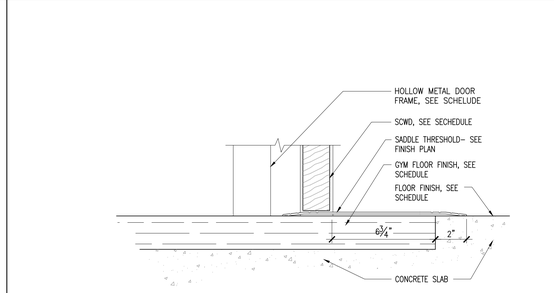
B4	JAMB @ TYP. EXTERIOR WINDOW
SCALE: 3"=1'-0"	8" EXTERIOR WALL



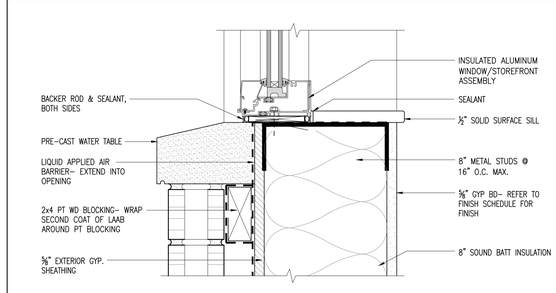
A1	THRESHOLD @ TYP. SCWD
SCALE: 3"=1'-0"	4" OR 8" INTERIOR GYP. BD. WALL



A2	THRESHOLD @ EXTERIOR HM DOOR
SCALE: 3"=1'-0"	8" EXTERIOR WALL



A3	THRESHOLD @ GYM DOOR
SCALE: 3"=1'-0"	INTERIOR



A4	SILL @ TYP. EXTERIOR WINDOW
SCALE: 3"=1'-0"	8" EXTERIOR WALL

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STATE OF FLORIDA
Owen E. Gipson
AR0017964
REGISTERED ARCHITECT

Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:41:51-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

HEAD, JAMB, & SILL DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A501.2

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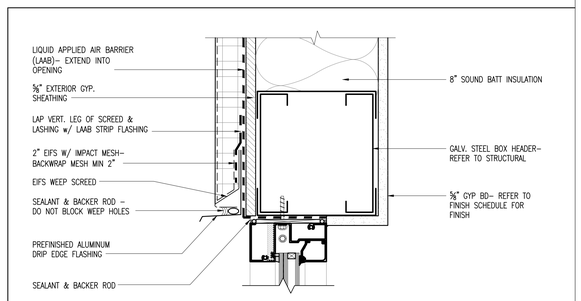
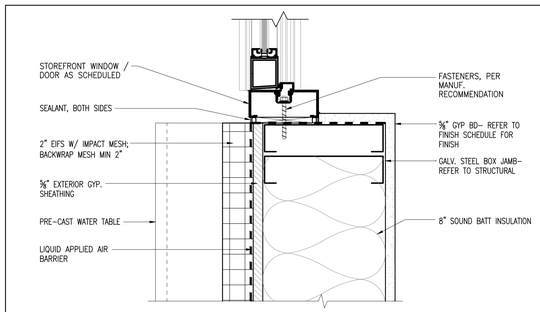
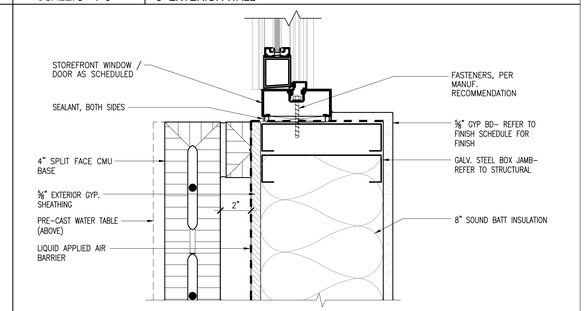


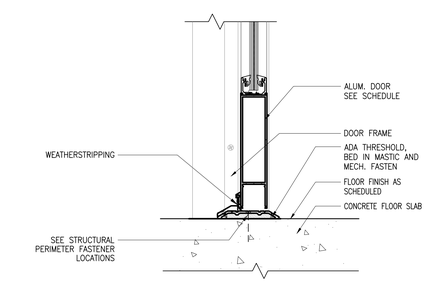
C2	HEADER @ TYP. EXTERIOR SF DOOR
SCALE: 3"=1'-0"	8" EXTERIOR WALL



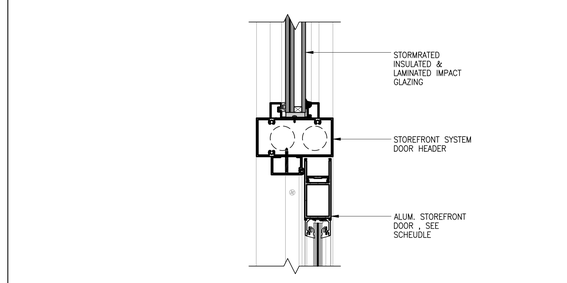
B1	JAMB @ TYP. EXTERIOR SF DOOR
SCALE: 3"=1'-0"	ABOVE WATER TABLE



B2	JAMB @ TYP. EXTERIOR SF DOOR
SCALE: 3"=1'-0"	BELOW WATER TABLE



A1	THRESHOLD @ EXTERIOR SF DOOR
SCALE: 3"=1'-0"	8" EXTERIOR WALL



A2	HEADER @ TYP. EXT TRANSOM DOOR
SCALE: 3"=1'-0"	8" EXTERIOR WALL

DAG ARCHITECTS

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

HEAD, JAMB, & SILL DETAILS

PROJECT NUMBER	22019
DATED	01/31/2025

A501.3

FIRST FLOOR FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	FLOOR BASE	WALLS								CEILING			REMARKS
		FINISH		NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	HEIGHT	
				MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH				
100	GYM	WD	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
101	EQ. STORAGE	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
102	STAGE	WD	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
103	TABLE/CHAIR STORAGE	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
104	MEN	EPXF	-	CWT	-	CWT	-	CWT	-	CWT	-	GB	PTD	10'-0"	
105	WOMEN	EPXF	-	CWT	-	CWT	-	CWT	-	CWT	-	GB	PTD	10'-0"	
106	ENTRY VESTIBULE	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	9'-4"	
107	PRINCIPAL	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
108	RECEPTION / LOBBY	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
109	OFFICE	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
110	CONFERENCE RM.	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
111	OFFICE	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
112	BREAK ROOM	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
113	OFFICE	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
114	TELECOM	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
115	SUPPLIES	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	10'-0"	
116	OFFICE	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
117	PRINCIPAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
118	ELECTRICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
119	WOMEN	EPXF	-	GYP.BD.	PTD	CWT	-	CWT	-	GYP.BD.	PTD	GB	PTD	9'-4"	
120	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
121	MEN	EPXF	-	GYP.BD.	PTD	GYP.BD.	PTD	CWT	-	CWT	-	GB	PTD	9'-4"	
122	WARMING KITCHEN	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	9'-4"	
122A	STORAGE	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	9'-4"	
123	CLASSROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
123A	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
124	CLASSROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
124A	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
125	CLASSROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
125A	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
126	CLASSROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
126A	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
127	CLASSROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
127A	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
128	CLASSROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
128A	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
129	STORAGE	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
130	BOYS	EPXF	-	CWT	-	CWT	-	CWT	-	CWT	-	GB	PTD	9'-4"	
131	GIRLS	EPXF	-	CWT	-	CWT	-	CWT	-	CWT	-	GB	PTD	9'-4"	
132	BREAK OUT ROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
133	BREAK OUT ROOM	CPT 2	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
C001	CORRIDOR	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
C002	CORRIDOR	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
C003	CORRIDOR	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
C004	CORRIDOR	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
C005	CORRIDOR	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	
C006	CORRIDOR	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	10'-0"	

ABBREVIATIONS

ACT	2'x2' SUSPENDED ACOUSTICAL CEILING SYSTEM
WD	WOOD FLOOR ASSEMBLY
CONC	CONCRETE – SEALED
CPT1	CARPET TILE 1
CPT2	CARPET TILE 2
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
EPXF	EPOXY TYPE FLOORING WITH INTEGRAL BASE
EQ.	EQUIPMENT
EXP	EXPOSED STRUCTURE (PRIME AND PAINT)
GB	GYPSUM BOARD, CEILING/SOFFIT – TEXTURE: LEVEL 3, LIGHT TEXTURE, SEE SPECIFICATIONS
GBSC	SUSPENDED GYPSUM BOARD CEILING SYSTEM – TEXTURE: LEVEL 3, LIGHT TEXTURE, SEE SPECIFICATIONS
GYP.BD.	GYPSUM WALL BOARD – ABUSE RESISTANT – TEXTURED FINISH, SEE SPECIFICATIONS
MAT	MATERIAL
PC	CONCRETE – POLISHED
PTD	PAINT
RBR	4" RUBBER BASE
SCONC	CONCRETE – STAINED
SAF	SYNTHETIC ATHLETIC FLOORING
CTBB	CEMENTITIOUS TILE BACKER BOARD
VCT	VINYL COMPOSITION TILE
WGB	NEW WATER RESISTANT GYPSUM BOARD FOR THIN SET TILE

SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

ROOM FINISH SCHEDULE GENERAL NOTES

1. FINISH COLOR SELECTIONS BY ARCHITECT
2. ALL NEW GYP. BOARD WALLS FINISH SEE SPECIFICATIONS.
3. PROVIDE AND INSTALL BLINDS AT ALL EXTERIOR WINDOWS.
4. ROOM SIGNAGE IS TO BE MOUNTED AT LATCH SIDE OF DOOR OUTSIDE OF ROOM.

ROOM FINISH SCHEDULE SPECIFIC NOTES (REMARKS COLUMN)

1. ALL VISIBLE PORTIONS OF CEILING AREA, INCLUDING STRUCTURE, DECKING AND BRACING, TO BE PRIMED AND PAINTED.
2. COMM./ELEC. ROOMS AND IT ROOM, INSTALL PAINTED FIRE RETARDED PLYWOOD FROM BASE TO CEILING, SEE SPECIFICATIONS.
3. ELEVATOR WALLS AND CEILING, SEE SPECIFICATIONS

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22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

A1 | ROOM FINISH SCHEDULE
SCALE: NTS

DAG ARCHITECTS
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OWEN E. GIPSON
LICENSE NO. AR0017734
REGISTERED ARCHITECT
STATE OF FLORIDA

Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:42:45-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

FINISH SCHEDULE

PROJECT NUMBER 22019
DATED 01/31/2025

A502

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

FIRST FLOOR FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	FLOOR BASE	WALLS								CEILING			REMARKS
		FINISH		NORTH		EAST		SOUTH		WEST		MATERIAL	FINISH	HEIGHT	
				MAT.	FINISH	MAT.	FINISH	MAT.	FINISH	MAT.	FINISH				
C007	CORRIDOR	CONC	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	10'-0"	
100	GYM	WD	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
101	EQ. STORAGE	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	10'-0"	
102	STAGE	WD	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	-	
103	TABLE/CHAIR STORAGE	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	10'-0"	
104	MEN	EPXF	-	CWT	-	CWT	-	CWT	-	CWT	-	GB	PTD	10'-0"	
105	WOMEN	EPXF	-	CWT	-	CWT	-	CWT	-	CWT	-	GB	PTD	10'-0"	
106	ENTRY VESTIBULE	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
107	OPEN	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
108	CONCESSIONS	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
109	TELECOM	CPT1	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	ACT	-	9'-4"	
110	ELECTRICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	9'-4"	
111	MECHANICAL	CONC	-	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GB	PTD	9'-4"	
112	FIRE RISER	LVT	RBR	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	GYP.BD.	PTD	-	-	9'-4"	
ROOMS BELOW WERE DELETED OR RENUMBERED ON SCOPE REDUCTION															
113	OFFICE														
114	TELECOM														
115	SUPPLIES														
116	OFFICE														
117	PRINCIPAL														
118	ELECTRICAL														
119	WOMEN														
120	MECHANICAL														
121	MEN														
122	WARMING KITCHEN														
122A	CLOSET														
123	CLASSROOM														
123A	MECHANICAL														
124	CLASSROOM														
124A	MECHANICAL														
125	CLASSROOM														
125A	MECHANICAL														
126	CLASSROOM														
126A	MECHANICAL														
127	CLASSROOM														
127A	MECHANICAL														
128	CLASSROOM														
128A	MECHANICAL														
129	STORAGE														
130	BOYS														
130A	STOR. CLOSET														
131	GIRLS														
131A	JANITOR CLOSET														
132	BREAK OUT ROOM														
133	BREAK OUT ROOM														
C001	CORRIDOR														
C002	CORRIDOR														
C003	CORRIDOR														
C004	CORRIDOR														
C005	CORRIDOR														
C006	CORRIDOR														

ABBREVIATIONS

ACT	2'x2' SUSPENDED ACOUSTICAL CEILING SYSTEM
WD	WOOD FLOOR ASSEMBLY
CONC	CONCRETE – SEALED
CPT1	CARPET TILE 1
CPT2	CARPET TILE 2
CTB	CERAMIC TILE BASE
CWT	CERAMIC WALL TILE
EPXF	EPOXY TYPE FLOORING WITH INTEGRAL BASE
EQ	EQUIPMENT
EXP	EXPOSED STRUCTURE (PRIME AND PAINT)
GB	GYPSUM BOARD, CEILING/SOFFIT – TEXTURE: LEVEL 3, LIGHT TEXTURE, SEE SPECIFICATIONS
GBSC	SUSPENDED GYPSUM BOARD CEILING SYSTEM – TEXTURE: LEVEL 3, LIGHT TEXTURE, SEE SPECIFICATIONS
GYP.BD.	GYPSUM WALL BOARD – ABUSE RESISTANT – TEXTURED FINISH, SEE SPECIFICATIONS
MAT	MATERIAL
PC	CONCRETE – POLISHED
PTD	PAINT
RBR	4" RUBBER BASE
SCONC	CONCRETE – STAINED
SAF	SYNTHETIC ATHLETIC FLOORING
CTBB	CEMENTITIOUS TILE BACKER BOARD
VCT	VINYL COMPOSITION TILE
WGB	NEW WATER RESISTANT GYPSUM BOARD FOR THIN SET TILE

SEE SPECIFICATION FOR ADDITIONAL INFORMATION.

ROOM FINISH SCHEDULE GENERAL NOTES

1. FINISH COLOR SELECTIONS BY ARCHITECT
2. ALL NEW GYP. BOARD WALLS FINISH SEE SPECIFICATIONS.
3. PROVIDE AND INSTALL BLINDS AT ALL EXTERIOR WINDOWS.
4. ROOM SIGNAGE IS TO BE MOUNTED AT LATCH SIDE OF DOOR OUTSIDE OF ROOM.

ROOM FINISH SCHEDULE SPECIFIC NOTES (REMARKS COLUMN)

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3. ELEVATOR WALLS AND CEILING, SEE SPECIFICATIONS

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	SCOPE REDUCTION	2/6/2026

ALTERNATE
FINISH SCHEDULE

PROJECT NUMBER	22019
DATED	01/31/2025

A502.A

A1 | ROOM FINISH SCHEDULE
SCALE: NTS

PLOT DATE: 2/6/2026 10:32:19 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2Working\Docs\A502.A Finish Schedule.dwg
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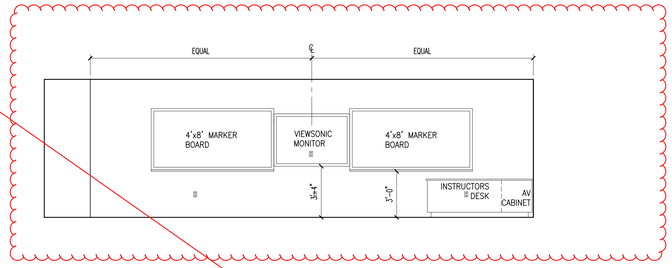
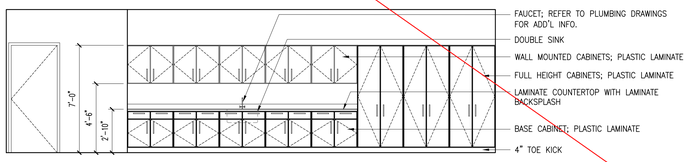


E1 — CLASSROOM - NORTH / SOUTH

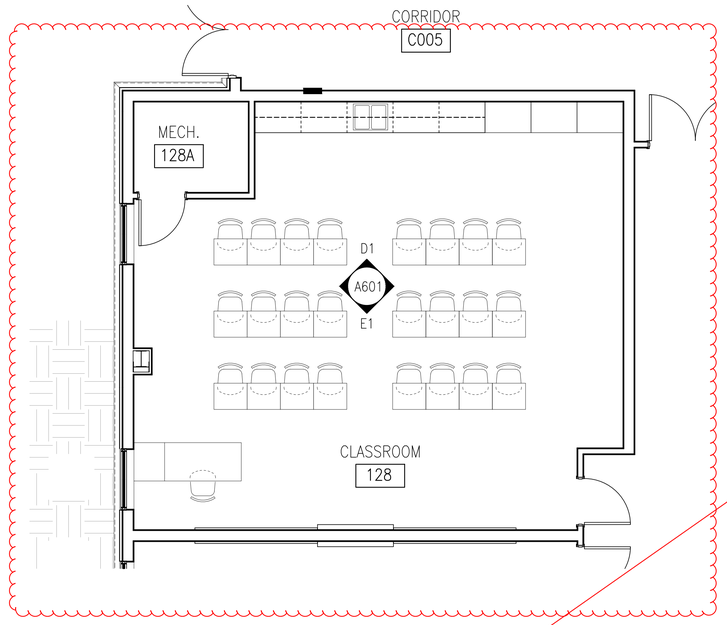
SCALE: 1/4" = 1'-0" | ROOMS 123 - 128

NOTE:
CONTRACTOR SHALL FIELD VERIFY DIMENSIONS.



D1 — CLASSROOM - NORTH / SOUTH

SCALE: 1/4" = 1'-0" | ROOMS 123 - 128



D2 — GENERAL CLASSROOM PLAN

SCALE: 1/4" = 1'-0" | ROOMS 123 - 128

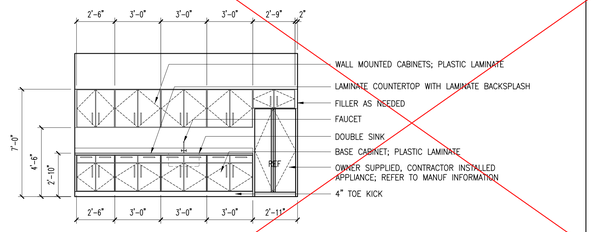
NOTES:

1. PROVIDE INSULATED COVERINGS ON ALL PIPES BENEATH ALL LAVATORIES SIMILAR TO LAVATORY GUARD. LPG – LAVATORY PIPE GUARD
2. ALL ITEMS FURNISHED AND INSTALLED BY CONTRACTOR.
3. INSTALL WOOD BLOCK IN THE WALL FOR MOUNTING ALL ACCESSORIES.
4. INSTALL MARBLE THRESHOLD AT ALL TILE TO OTHER FLOORING TRANSITIONS.

B1 — N/A

SCALE: NTS | .

NOTE:
CONTRACTOR SHALL FIELD VERIFY DIMENSIONS.



C2 — BREAK ROOM - EAST

SCALE: 1/4" = 1'-0" | ROOM 112

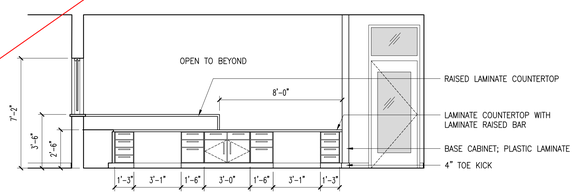
C3 — BREAK ROOM PLAN

SCALE: 1/4" = 1'-0" | ROOM 112

B1 — N/A

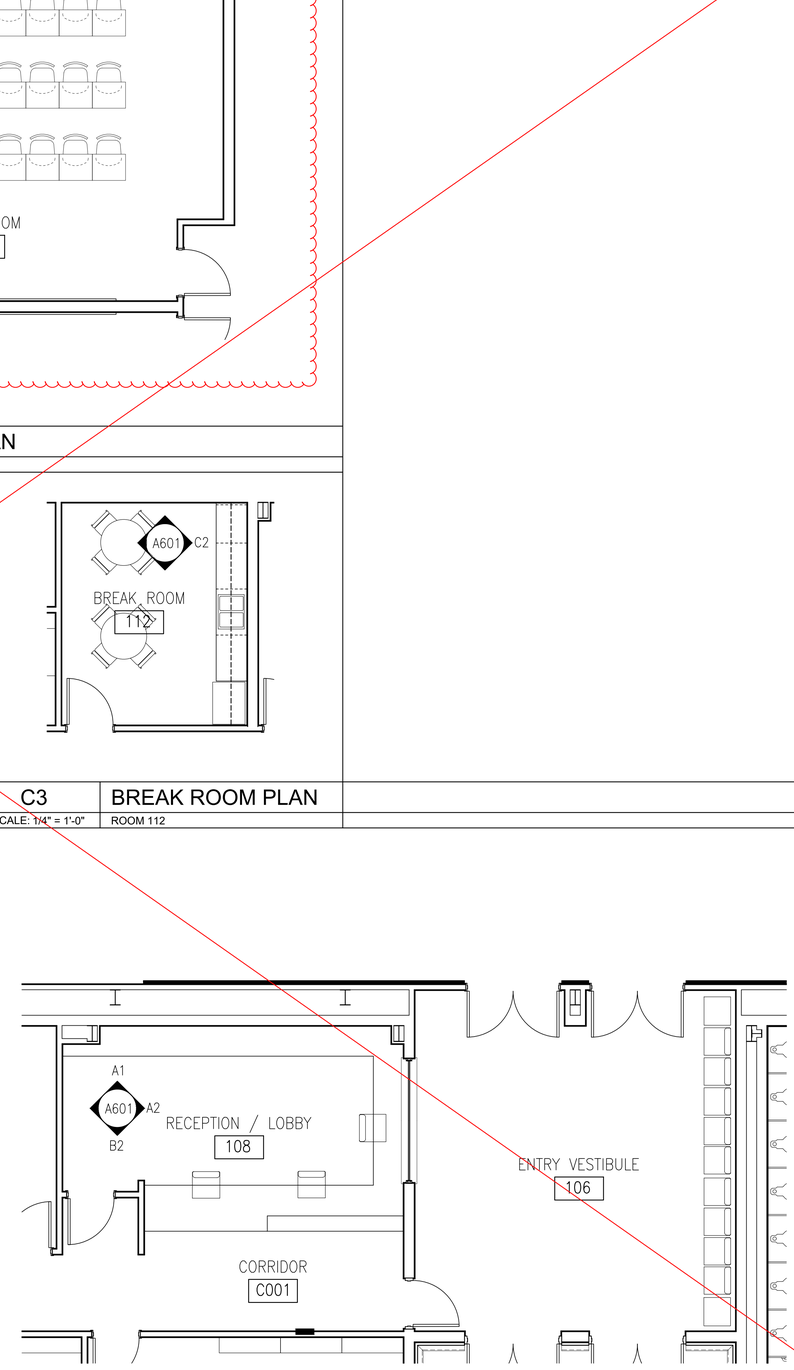
SCALE: NTS | .

NOTE:
CONTRACTOR SHALL FIELD VERIFY DIMENSIONS.



B2 — RECEPTION - SOUTH

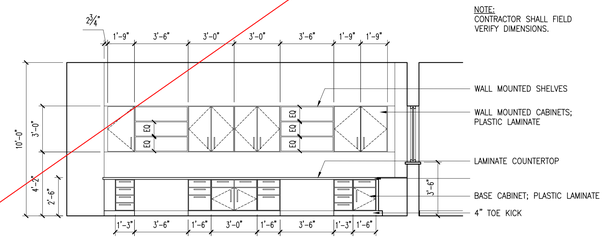
SCALE: 1/4" = 1'-0" | ROOM 108



A3 — RECEPTION / LOBBY PLAN

SCALE: 1/4" = 1'-0" | ROOM 108

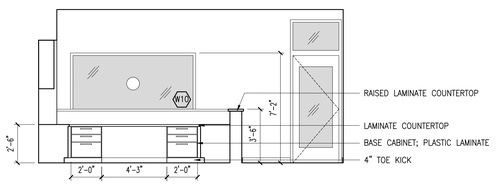
NOTE:
CONTRACTOR SHALL FIELD VERIFY DIMENSIONS.



A1 — RECEPTION - NORTH

SCALE: 1/4" = 1'-0" | ROOM 108

NOTE:
CONTRACTOR SHALL FIELD VERIFY DIMENSIONS.



A2 — RECEPTION - EAST

SCALE: 1/4" = 1'-0" | ROOM 108

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455 Harrison Ave Suite I Panama City, FL 32401
850.387.1671
www.DAGarchitects.com

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Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:43:10-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

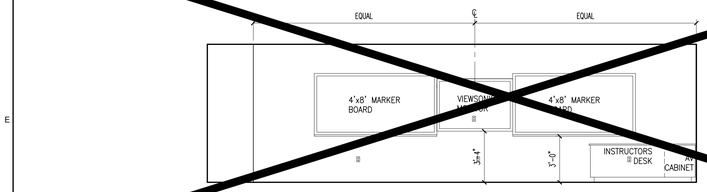
No.	Description	Date

INTERIOR ELEVATIONS

PROJECT NUMBER	22019
DATED	01/31/2025

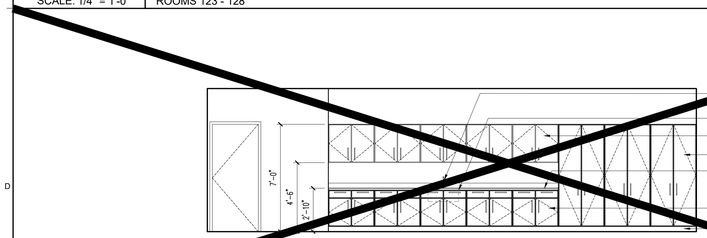
A601

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



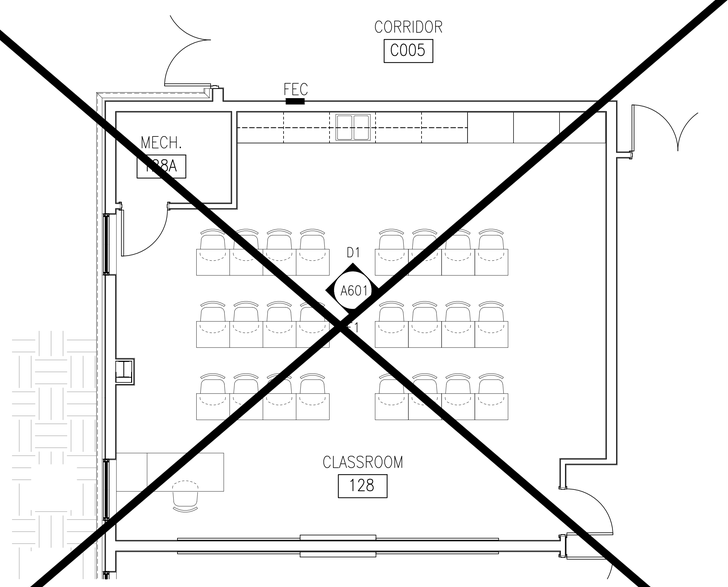
E1 — CLASSROOM - NORTH / SOUTH

SCALE: 1/4" = 1'-0" | ROOMS 123 - 128



D1 — CLASSROOM - NORTH / SOUTH

SCALE: 1/4" = 1'-0" | ROOMS 123 - 128



D2 — GENERAL CLASSROOM PLAN

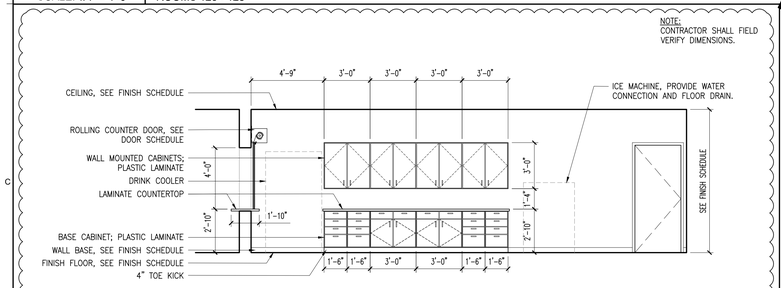
SCALE: 1/4" = 1'-0" | ROOMS 123 - 128

NOTES:

1. PROVIDE INSULATED COVERINGS ON ALL PIPES BENEATH ALL LAVATORIES SIMILAR TO LAVATORY GUARD. LPG – LAVATORY PIPE GUARD
2. ALL ITEMS FURNISHED AND INSTALLED BY CONTRACTOR.
3. INSTALL WOOD BLOCK IN THE WALL FOR MOUNTING ALL ACCESSORIES.
4. INSTALL MARBLE THRESHOLD AT ALL TILE TO OTHER FLOORING TRANSITIONS.

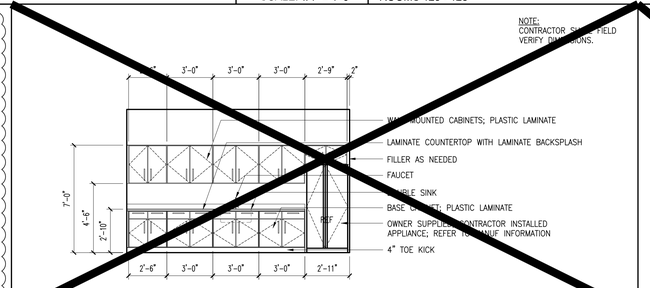
D4 — NOTES

SCALE: NTS



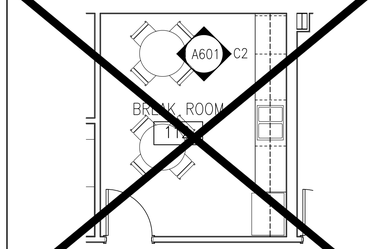
C1 — CONCESSIONS - EAST

SCALE: NTS | ROOM 108



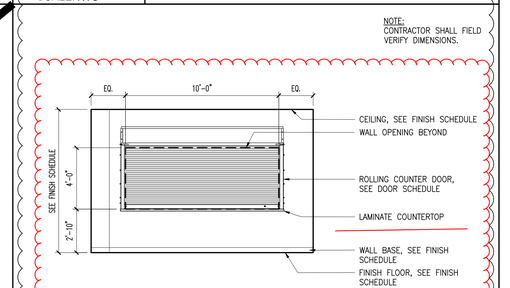
C2 — BREAK ROOM - EAST

SCALE: 1/4" = 1'-0" | ROOM 112



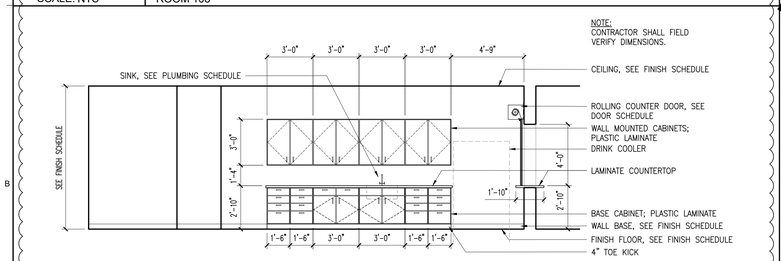
C3 — BREAK ROOM PLAN

SCALE: 1/4" = 1'-0" | ROOM 112



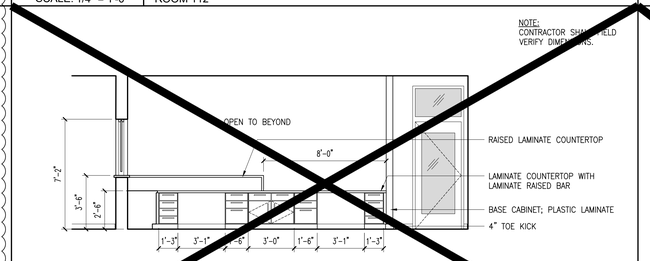
C4 — CONCESSIONS - SOUTH

SCALE: 1/4" = 1'-0" | ROOM 108



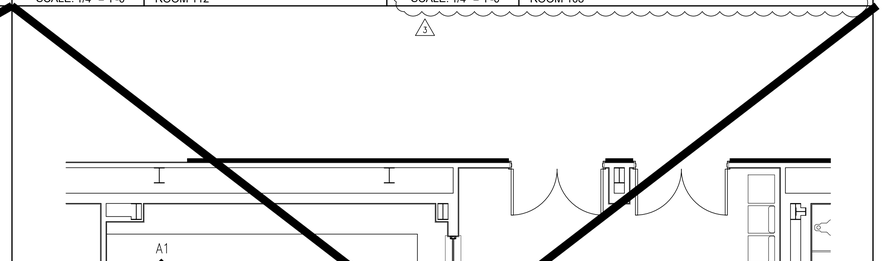
B1 — CONCESSIONS - NORTH

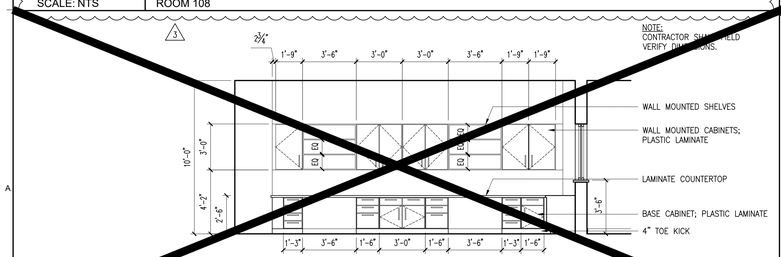
SCALE: NTS | ROOM 108



B2 — RECEPTION - SOUTH

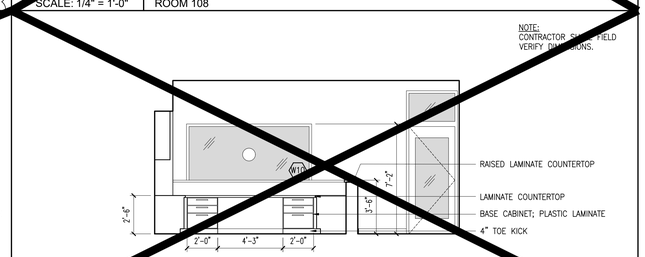
SCALE: 1/4" = 1'-0" | ROOM 108





A1 — RECEPTION - NORTH

SCALE: 1/4" = 1'-0" | ROOM 108



A2 — RECEPTION - EAST

SCALE: 1/4" = 1'-0" | ROOM 108

A3 — RECEPTION / LOBBY PLAN

SCALE: 1/4" = 1'-0" | ROOM 108

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
2	ADDENDUM NO. 2	3/17/26
3	ADDENDUM NO. 3	3/27/26

ALTERNATE
INTERIOR ELEVATIONS

PROJECT NUMBER	22019
DATED	01/31/2025

A601.A

PLOT DATE: 3/27/2026 8:40:54 AM
DWG. LOCATION: G:\PC Harrison\Projects\2022 Projects\22019 Palm Bay Gymatorium\B-Design\B2Schematic Design\B2SWorkingDocs\A601.A Interior elevations.dwg
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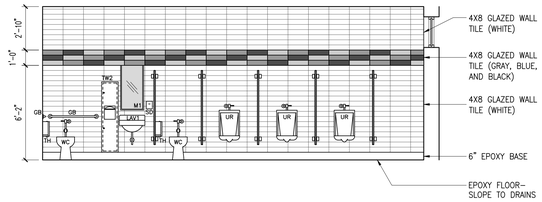
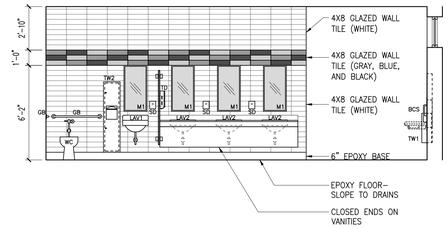


E1 MEN'S RESTROOM - EAST

SCALE: 1/4" = 1'-0" | ROOM 104



E2 WOMEN'S RESTROOM - EAST

SCALE: 1/4" = 1'-0" | ROOM 105

PLUMBING FIXTURE SCHEDULE				
NO.	MANUF.	MODEL NO.	DESCRIPTION	REMARKS
BCS	KOOLA KARE	KB310–SSRE	BABY CHANGING STATION	SURFACE MOUNTED BCS, MOUNT PER MANUF. INSTRUCTIONS.
GB	BOBRICK	B–5806.99x36 B–5806.99x42	GRAB BAR (36" LENGTH BHIND WC & 42" TO THE SIDE OF THE WC)	MOUNT CENTERLINE OF GRAB BAR 2'–10" AFF
M1	BOBRICK	B–2908 18x36	FRAMED MIRROR	MOUNT BOTTOM OF MIRROR 3'–3" AFF
MBH	BOBRICK	B–223X24	MOP AND BROOM HOLDER	3 HOLDER WALL MOUNTED MBH, MOUNT TOP 6'–0" AFF
SD	BOBRICK	B–2112	WALL MOUNTED SOAP DISPENSER	SURFACE WALL MOUNTED SD, MOUNT BOTTOM OF DISPENSER 3'–11½" AFF
SN1	BOBRICK	B–353	SANITARY NAPKIN DISPOSAL	RECESSED MOUNTED SND, MOUNT TOP OF DISPOSAL 2'–6" AFF
SN2	BOBRICK	B–254	SANITARY NAPKIN DISPOSAL	SURFACE MOUNTED SND, MOUNT TOP OF DISPOSAL 2'–6" AFF
SNV	BOBRICK	B–2706 25	SANITARY NAPKIN VENDOR	SURFACE MOUNTED SNV, MOUNT TOP OF VENDOR 5'–2" AFF
TD	BOBRICK	B–262	TOWEL DISPENSER	SURFACE MOUNTED TD, MOUNT TOP OF TD 4'–8" AFF
TH	BOBRICK	B–2892	TOILET TISSUE HOLDER TWIN JUMBO–ROLL DISPENSER	SURFACE MOUNTED TH, MOUNT TOP OF TOILET PAPER HOLDER 2'–6" AFF
TW1	BOBRICK	B–3944	TOWEL DISPENSER AND WASTE RECEPTACLE	RECESSED MOUNTED TW1, MOUNT TOP OF TD 5'–7½" AFF
TW2	BOBRICK	B–38034	TOWEL DISPENSER AND WASTE RECEPTACLE	RECESSED MOUNTED TW2, MOUNT TOP OF TD 4'–11¾" AFF
LAV1	–	WALL MOUNTED LAVATORY		REFER TO PLUMBING DRAWINGS
LAV2	–	LAVATORY		REFER TO PLUMBING DRAWINGS
MS	–	MOP SINK		REFER TO PLUMBING DRAWINGS
UR	–	WALL MOUNTED URINAL		REFER TO PLUMBING DRAWINGS
WC	–	WATER CLOSET		REFER TO PLUMBING DRAWINGS

NOTES:

1. PROVIDE INSULATED COVERINGS ON ALL PIPES BENEATH ALL LAVATORIES SIMILAR TO LAVATORY GUARD. LPG – LAVATORY PIPE GUARD
2. ALL ITEMS FURNISHED AND INSTALLED BY CONTRACTOR.
3. INSTALL WOOD BLOCK IN THE WALL FOR MOUNTING ALL ACCESSORIES.
4. INSTALL MARBLE THRESHOLD AT ALL TILE TO OTHER FLOORING TRANSITIONS.

D4 FIXTURE SCHEDULE & NOTES

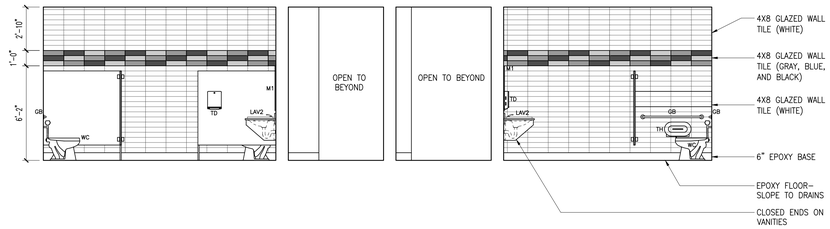
SCALE: NTS

D1 MEN'S / WOMEN'S RESTROOM - SOUTH

SCALE: 1/4" = 1'-0" | ROOM 104 / 105

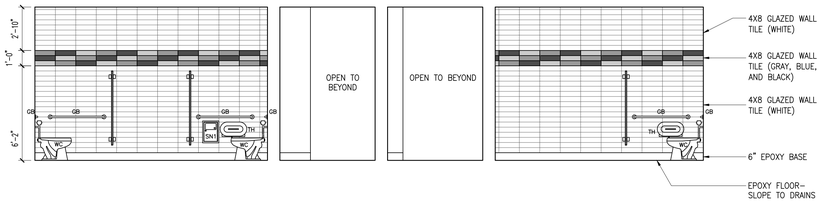
D3 TOILET ACC.

SCALE: NTS | ROOM N / A



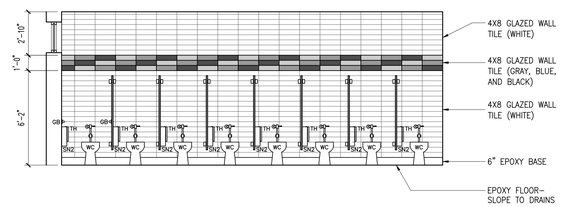
C1 MEN'S / WOMEN'S RESTROOM - NORTH 1

SCALE: 1/4" = 1'-0" | ROOM 104 / 105



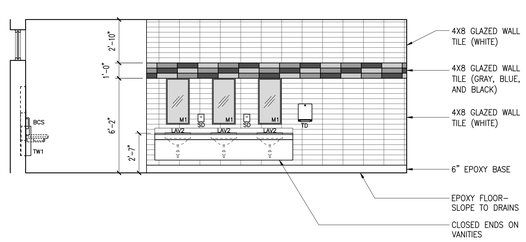
C2 MEN'S / WOMEN'S RESTROOM - NORTH 2

SCALE: 1/4" = 1'-0" | ROOM 104 / 105



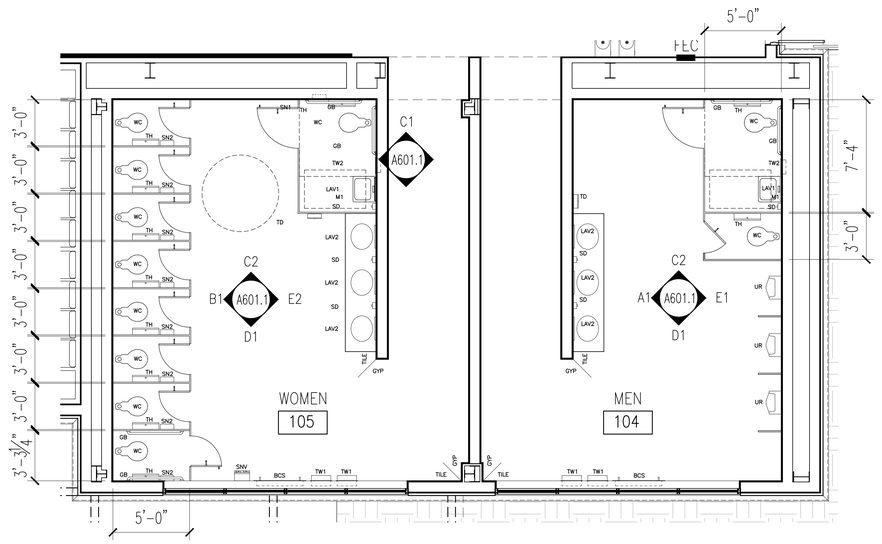
B1 WOMEN'S RESTROOM - WEST

SCALE: 1/4" = 1'-0" | ROOM 105



A1 MEN'S RESTROOM - WEST

SCALE: 1/4" = 1'-0" | ROOM 104



A2 ENLARGED PLAN OF GANG TOILETS

SCALE: 1/4" = 1'-0" | ROOM N / A

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DAG ARCHITECTS

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100% CONSTRUCTION DOCUMENTS

Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:43:37-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

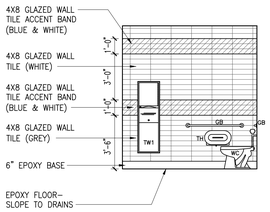
No.	Description	Date

INTERIOR ELEVATIONS

PROJECT NUMBER 22019
DATED 01/31/2025

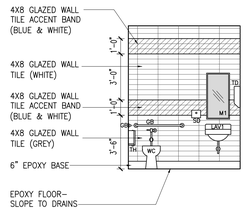
A601.1

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025



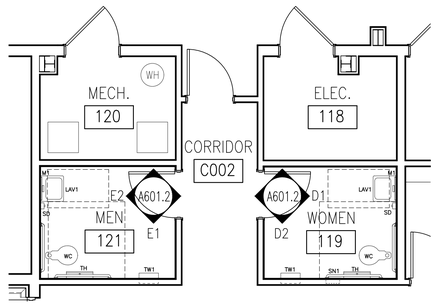
E1 MEN'S - SOUTH

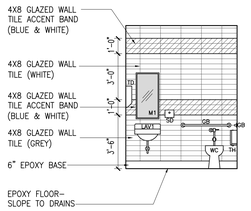
SCALE: 1/4" = 1'-0" | ROOM 121



E2 MEN'S - WEST

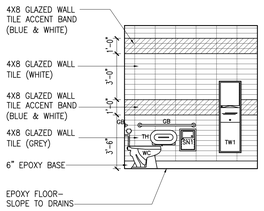
SCALE: 1/4" = 1'-0" | ROOM 121





D1 WOMEN'S - EAST

SCALE: 1/4" = 1'-0" | ROOM 119



D2 WOMEN'S - SOUTH

SCALE: 1/4" = 1'-0" | ROOM 119

D3 JAN. TYP.

SCALE: 1/4" = 1'-0" | ROOMS 119 / 121

PLUMBING FIXTURE SCHEDULE

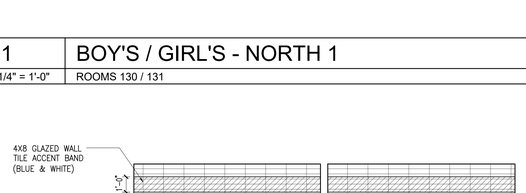
NO.	MANUF.	MODEL NO.	DESCRIPTION	REMARKS
BCS	KOOLA KARE	KB310–SSRE	BABY CHANGING STATION	SURFACE MOUNTED BCS, MOUNT PER MANUF. INSTRUCTIONS.
GB	BOBRICK	B–5806.99x36 B–5806.99x42	GRAB BAR (36" LENGTH BHIND WC & 42" TO THE SIDE OF THE WC)	MOUNT CENTERLINE OF GRAB BAR 2'–10" AFF
M1	BOBRICK	B–2908 18x36	FRAMED MIRROR	MOUNT BOTTOM OF MIRROR 3'–3" AFF
MBH	BOBRICK	B–223X24	MOP AND BROOM HOLDER	3 HOLDER WALL MOUNTED MBH, MOUNT TOP 6'–0" AFF
SD	BOBRICK	B–2112	WALL MOUNTED SOAP DISPENSER	SURFACE WALL MOUNTED SD, MOUNT BOTTOM OF DISPENSER 3'–11½" AFF
SN1	BOBRICK	B–353	SANITARY NAPKIN DISPOSAL	RECESSED MOUNTED SND, MOUNT TOP OF DISPOSAL 2'–6" AFF
SN2	BOBRICK	B–254	SANITARY NAPKIN DISPOSAL	SURFACE MOUNTED SND, MOUNT TOP OF DISPOSAL 2'–6" AFF
SNV	BOBRICK	B–2706 25	SANITARY NAPKIN VENDOR	SURFACE MOUNTED SNV, MOUNT TOP OF VENDOR 5'–2" AFF
TD	BOBRICK	B–262	TOWEL DISPENSER	SURFACE MOUNTED TD, MOUNT TOP OF TD 4'–8" AFF
TH	BOBRICK	B–2892	TOILET TISSUE HOLDER TWIN JUMBO–ROLL DISPENSER	SURFACE MOUNTED TH, MOUNT TOP OF TOILET PAPER HOLDER 2'–6" AFF
TW1	BOBRICK	B–3944	TOWEL DISPENSER AND WASTE RECEPTACLE	RECESSED MOUNTED TW1, MOUNT TOP OF TD 5'–7½" AFF
TW2	BOBRICK	B–38034	TOWEL DISPENSER AND WASTE RECEPTACLE	RECESSED MOUNTED TW2, MOUNT TOP OF TD 4'–11¾" AFF
LAV1	–	WALL MOUNTED LAVATORY		REFER TO PLUMBING DRAWINGS
LAV2	–	LAVATORY		REFER TO PLUMBING DRAWINGS
MS	–	MOP SINK		REFER TO PLUMBING DRAWINGS
UR	–	WALL MOUNTED URINAL		REFER TO PLUMBING DRAWINGS
WC	–	WATER CLOSET		REFER TO PLUMBING DRAWINGS

NOTES:

1. PROVIDE INSULATED COVERINGS ON ALL PIPES BENEATH ALL LAVATORIES SIMILAR TO LAVATORY GUARD. LPG – LAVATORY PIPE GUARD
2. ALL ITEMS FURNISHED AND INSTALLED BY CONTRACTOR.
3. INSTALL WOOD BLOCK IN THE WALL FOR MOUNTING ALL ACCESSORIES.
4. INSTALL MARBLE THRESHOLD AT ALL TILE TO OTHER FLOORING TRANSITIONS.

C3 FIXTURE SCHEDULE & NOTES

SCALE: NTS

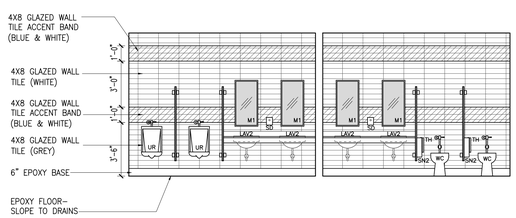


C1 BOY'S / GIRL'S - NORTH 1

SCALE: 1/4" = 1'-0" | ROOMS 130 / 131

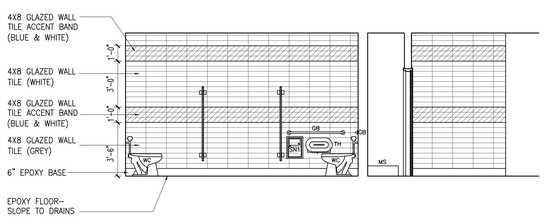
C2 .

SCALE: NTS



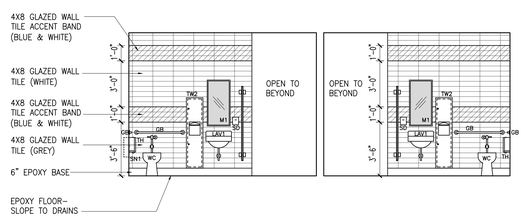
B1 BOY'S / GIRL'S - NORTH 2

SCALE: 1/4" = 1'-0" | ROOMS 130 / 131



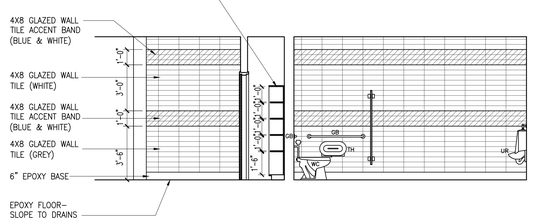
B2 GIRL'S - EAST

SCALE: 1/4" = 1'-0" | ROOM 131



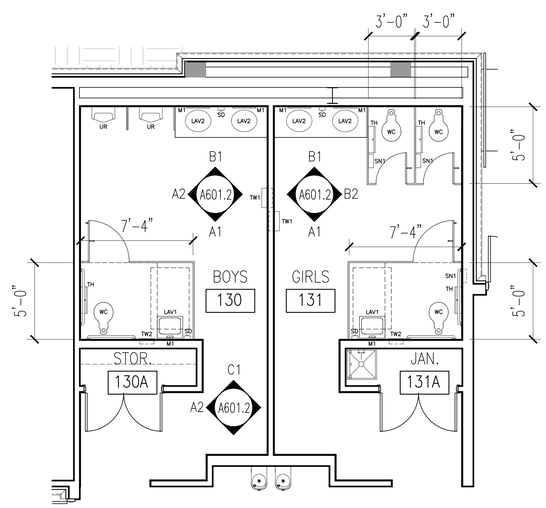
A1 BOY'S / GIRL'S - SOUTH

SCALE: 1/4" = 1'-0" | ROOMS 130 / 131



A2 BOY'S - WEST

SCALE: 1/4" = 1'-0" | ROOMS 130 / 131



A3 ENLARGED PLAN OF GANG TOILETS

SCALE: 1/4" = 1'-0" | ROOMS 130 / 131

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Digitally signed by Owen Eric Gipson
Date: 2025.02.07 15:44:06-06'00'

A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date

INTERIOR ELEVATIONS

PROJECT NUMBER 22019
DATED 01/31/2025

A601.2

22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

LEGEND

FW	FIRE WATER SUPPLY (SITE)
PW	POTABLE WATER SUPPLY
WM	WATER MAIN
FW	EXISTING FIRE WATER SUPPLY
	FIRE SPRINKLER MAIN
	FIRE RISER
FDC	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT

SYSTEM ENGINEERING SUMMARY

AREA SERVICED	30,086 SF
HYDRAULICALLY MOST REMOTE AREA	1500 SF
HAZARD CLASSIFICATION OF REMOTE AREA	LIGHT HAZARD
SYSTEM DESIGN FLOW RATE (INDOOR)	195 GPM
OUTSIDE HOSE STREAM DEMAND	100 GPM
DOMESTIC DEMAND	0 GPM
TOTAL WATER DEMAND	295 GPM
WATER PRESSURE DATA	
END HEAD PRESSURE	7.0 PSI
ELEVATION LOSS	18.62 PSI
OUTSIDE FRICTION LOSS	7.62 GPM
BACK FLOW PREVENTOR	3 PSI
SAFETY FACTOR	10 PSI
AVAILABLE INSIDE FRICTION LOSS	20 PSI

DESIGN CRITERIA

THE NEW FACILITY SHALL BE PROTECTED BY A WET PIPE SPRINKLER SYSTEM. INCLUDE A DOMESTIC WATER DEMAND OF - GPM ON THE MAIN SERVING THE SITE FIRE AND DOMESTIC WATER SYSTEMS. THE WET PIPE SYSTEM SHALL BE HYDRAULICALLY DESIGNED WITH AN OUTSIDE HOSE STREAM ALLOWANCE AS NOTED ON EACH SYSTEM ENGINEERING SUMMARY AND DENSITY VALUES AS FOLLOWS:

LIGHT HAZARD = 0.10 GPM/SF WITH A MAXIMUM OF 225 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP 1 = 0.15 GPM/SF WITH A MAXIMUM OF 130 SF COVERAGE PER SPRINKLER

ORDINARY HAZARD GROUP 2 = 0.20 GPM/SF WITH A MAXIMUM OF 130 SF COVERAGE PER SPRINKLER

THE SPRINKLER DESIGN SHALL BE BASED ON THE MOST HYDRAULICALLY DEMANDING 1500 SF. THE CONTRACTOR IS ALLOWED TO REDUCE THE DESIGN AREA BASED ON THE USE OF QUICK RESPONSE SPRINKLERS AND CEILING HEIGHT IN ACCORDANCE WITH NFPA 13.

THE DESIGN OF THE SPRINKLER SYSTEM SHALL BE BASED UPON WATER SUPPLY INFORMATION OBTAINED BY THE SPRINKLER CONTRACTOR AND WITNESSED BY THE AUTHORITY HAVING JURISDICTION. WATER SUPPLY SHALL BE PRESUMED AVAILABLE AT THE POINT OF CONNECTION OF THE FIRE MAIN TO THE WATER SUPPLY SYSTEM. THE FOLLOWING FLOW TEST DATA WAS OBTAINED BY THE ENGINEER ON OCTOBER 11, 2022, PROVIDED BY SEAGO FIRE PROTECTION.

HYDRANT #1:

STATIC = 67

RESIDUAL = 51

HYDRANT #2:

FLOWING = 760

COEFFICIENT = 0.9

GENERAL NOTES

1. IT IS NOTED THAT SOME AREAS WILL BE REQUIRED TO BE PROTECTED AS ORDINARY HAZARD (MECHANICAL ROOMS, ETC.) THESE AREAS HAVE BEEN IDENTIFIED BY A DIFFERENT HATCHING PATTERN THEN THE LIGHT HAZARD AREAS ON THE PLANS.
2. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN CURRENT WATER FLOW DATA AND DESIGN SPRINKLER SYSTEMS ACCORDINGLY. SHALL OBTAIN CURRENT WATER FLOW DATA AND DESIGN MODIFICATIONS ACCORDINGLY.
3. MAINTAIN THE INTEGRITY OF ALL FIRE RATED ASSEMBLIES AND ACOUSTICAL ASSEMBLIES.
4. CONTRACTOR SHALL COORDINATE SYSTEM DESIGN WITH ALL OTHER TRADES.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING INSPECTOR'S TEST LOCATIONS IN ACCORDANCE WITH NFPA 13 AND THE AUTHORITY HAVING JURISDICTION.
6. ALL PIPING SHALL OBSERVE PROPER PITCH. PROVIDE DRAINS FOR LOW POINTS.
7. THE SPRINKLER SYSTEM SHALL BE ARRANGED FOR FLUSHING. READILY REMOVABLE FITTINGS SHALL BE PROVIDED AT THE END OF ALL CROSSMAINS.
8. PIPE HANGERS SHALL BE INSTALLED AS REQUIRED BY NFPA 13 FOR SUPPORTING SPRINKLER PIPING. NO OTHER PIPING OR DEVICES SHALL BE ATTACHED TO THE SPRINKLER HANGER SYSTEM UNLESS THE HANGER HAS BEEN DESIGNED TO CARRY THE ADDITIONAL LOAD.
9. THIS CONTRACT DOES NOT INCLUDE ANY MATERIAL OR DEVICE TO IMPROVE THE STRUCTURAL STRENGTH OF THE BUILDING TO ENABLE IT TO CARRY THE LOAD OF THE FIRE PROTECTION SYSTEM.
10. ALL ABOVE GROUND WET SPRINKLER PIPE THAT IS THREADED SHALL BE SCHEDULE 40 BLACK WITH BLACK CAST/MALEABLE IRON FITTINGS WITH JOINTS PER NFPA 13. TEFLON TAPE SHALL BE ADDED TO ALL MALE THREADS OF PIPE AS A JOINING COMPOUND. CPVC PIPING IS NOT ACCEPTABLE.
11. ALL ABOVE GROUND WET SYSTEM SPRINKLER PIPE THAT IS WELDED OR ROLL-GROOVED SHALL BE SCHEDULE 10 BLACK WITH BLACK CAST/MALEBLE IRON FITTINGS WITH JOINTS PER NFPA 13. CPVC PIPING IS NOT ACCEPTABLE.
12. INSTALL SPRINKLER HEADS CENTER OF TILE IN ACOUSTICAL CEILINGS. HEAD LOCATIONS SHALL BE GUIDED BY ARCHITECTURAL ELEMENTS FOR OTHER CEILING TYPES.
13. DO NOT LOCATE INSPECTORS TEST LOCATIONS OR DRAINS IN FINISHED SPACES. INDICATE ALL LOCATIONS OF EXPOSED PIPING ON SHOP DRAWINGS.
14. FLEXIBLE CONNECTIONS TO SPRINKLER HEADS ARE NOT ALLOWED.
15. PROVIDE CLASS II WET STANDPIPES WITH 1.5" HOSE STATIONS ON EACH SIDE OF THE STAGE IN ACCORDANCE WITH NFPA 14.

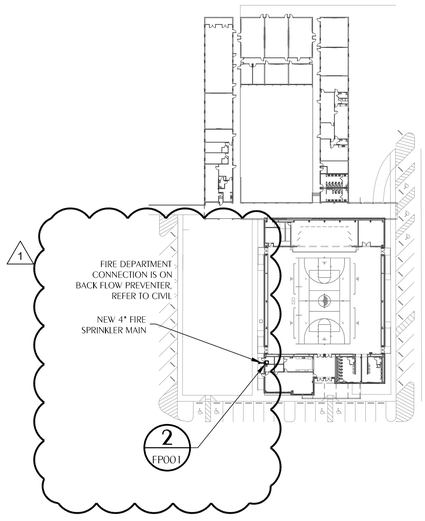
WATER BASED SPRINKLER SYSTEM REQUIREMENTS

1. THE POINT OF SERVICE AND BACKFLOW PREVENTER ARE SHOWN FOR REFERENCE ONLY. REFER TO THE CIVIL SITE UTILITY PLAN FOR FURTHER INFORMATION.
2. THE BUILDING SHALL BE FULLY SPRINKLED IN ACCORDANCE WITH THE MOST RECENT EDITION OF NFPA 13 AND LOCAL CODES.
3. REFER TO PLAN SHEETS AND HAZARD CLASSIFICATION LEGEND FOR HAZARD CLASSIFICATION OF EACH ROOM OR AREA.
4. THE NEW SYSTEMS SHALL SHALL BE HYDRAULICALLY CALCULATED IN ACCORDANCE WITH NFPA 13.

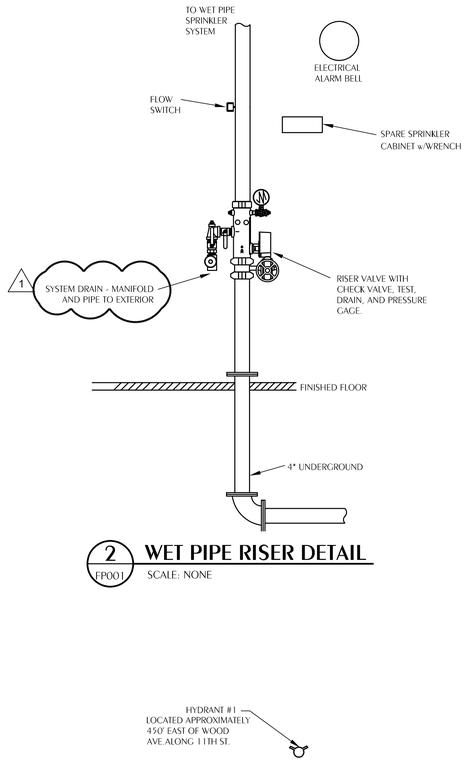
   LIGHT HAZARD: 0.10 GPM/SF, MAX 225 SF PER HEAD, 15 FT MAX NOMINAL SPACING, ORDINARY TEMPERATURE RATING HEADS.
   ORDINARY HAZARD GROUP 1: 0.15 GPM/SF, MAX 130 SF PER HEAD, 15 FT MAX NOMINAL SPACING, INTERMEDIATE TEMPERATURE RATING HEADS.
   ORDINARY HAZARD GROUP 2: 0.20 GPM/SF, MAX 130 SF PER HEAD, 15 FT MAX NOMINAL SPACING, INTERMEDIATE TEMPERATURE RATING HEADS.

   FOR ADDITIONAL REQUIREMENTS, REFER TO DESIGN CRITERIA NOTES ON THIS SHEET.

5. THE POINT OF SERVICE CONNECTION IS NOT A CIRCULATING MAIN.
6. REFER TO DESIGN CRITERIA NOTES ON THIS SHEET FOR FLOW TEST DATA.
7. REFER TO WET PIPE RISER DETAIL FOR VALVE AND SUPERVISION REQUIREMENTS.
8. MICROBIAL INDUCED CORROSION IS NOT ANTICIPATED IN THIS PROJECT.
9. REFER TO CIVIL SITE UTILITY DRAWINGS FOR BACKFLOW PREVENTER. MAXIMUM DESIGN PRESSURE DROP SHALL NOT EXCEED 3 PSI.
10. REFER TO DIVISION 21 SPECIFICATIONS FOR QUALITY AND PERFORMANCE SPECIFICATIONS OF ALL FIRE PROTECTION COMPONENTS.
11. NO FIRE PUMP IS REQUIRED.
12. NO ON SITE FIREWATER STORAGE TANK IS REQUIRED.



1 FP001 **FIRE PROTECTION SITE PLAN**
SCALE: 1" = 60'



2 FP001 **WET PIPE RISER DETAIL**
SCALE: NONE

WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32446
Florida CA Number: 27925
Kaitlin A. Johnson, PE
Florida License Number: 86457
850.526.3447
Project Number: 2022-039
Checked By: KAJ
Drawn By: TLC

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS

1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	REBID REVISION #1	02/24/2026

FIRE PROTECTION LEGEND, NOTES, AND SITE PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

FP001

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22019
100% CONSTRUCTION DOCUMENTS
01/31/2025

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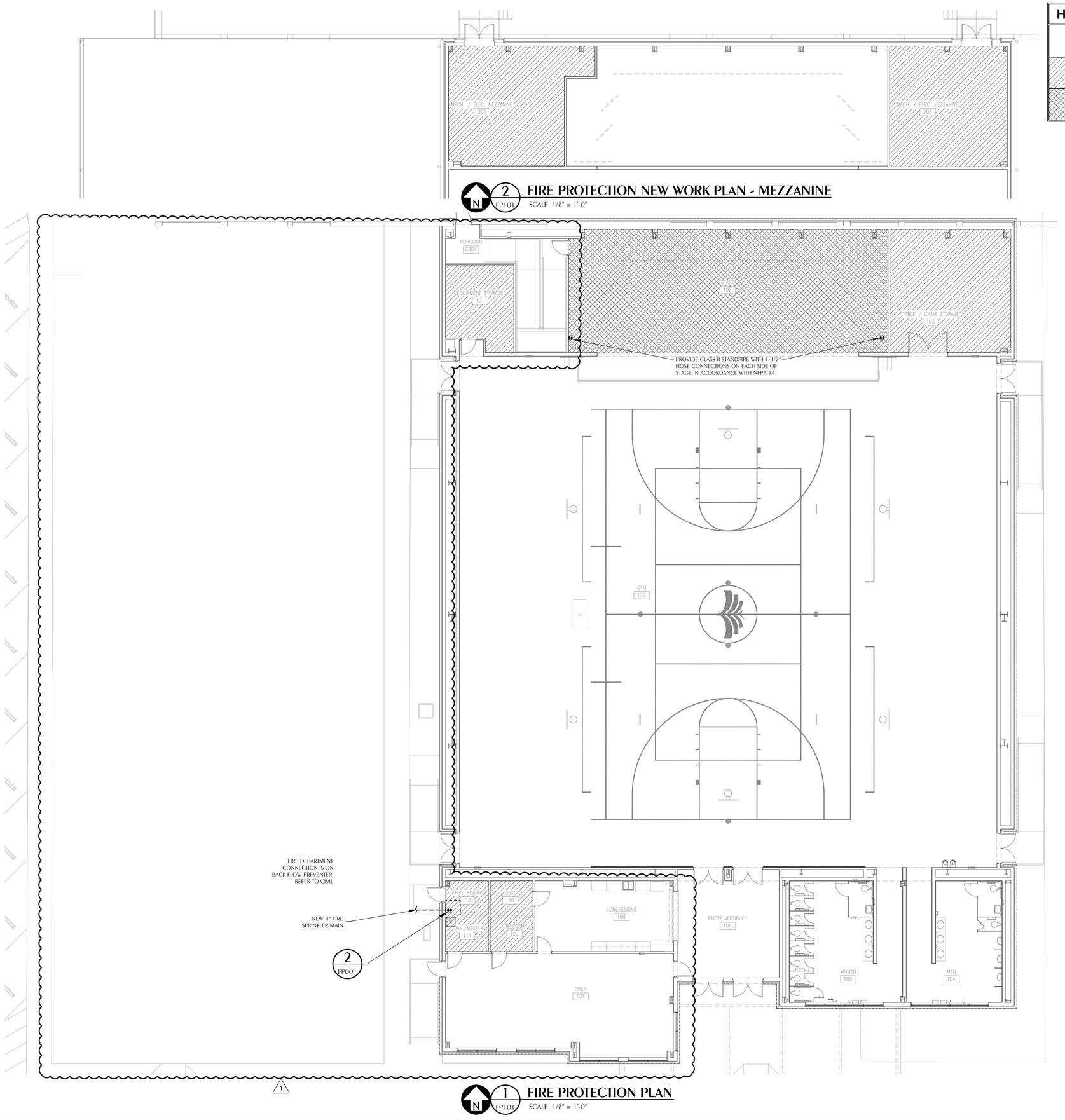
HAZARD CLASSIFICATION

	LIGHT HAZARD
	ORDINARY HAZARD GROUP 1
	ORDINARY HAZARD GROUP 2



N 2 FP101 **FIRE PROTECTION NEW WORK PLAN - MEZZANINE**
SCALE: 1/8" = 1'-0"

N 1 FP101 **FIRE PROTECTION PLAN**
SCALE: 1/8" = 1'-0"

WATFORD ENGINEERING
4452 Clinton Street Marianna, Florida 32446
Florida CA Number: 27925
Kaitlin A. Johnson, PE
Florida License Number: 86457
850.526.3447
Project Number: 2022-039
Checked By: KAJ
Drawn By: TLC

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A New Gymatorium for:
PALM BAY CHARTER SCHOOLS
1104 Balboa Avenue, Panama City, FL 32401

REVISIONS:

No.	Description	Date
1	REBID REVISION #1	02/24/2026

FIRE PROTECTION PLAN

PROJECT NUMBER	22019
DATED	01/31/2025

FP101