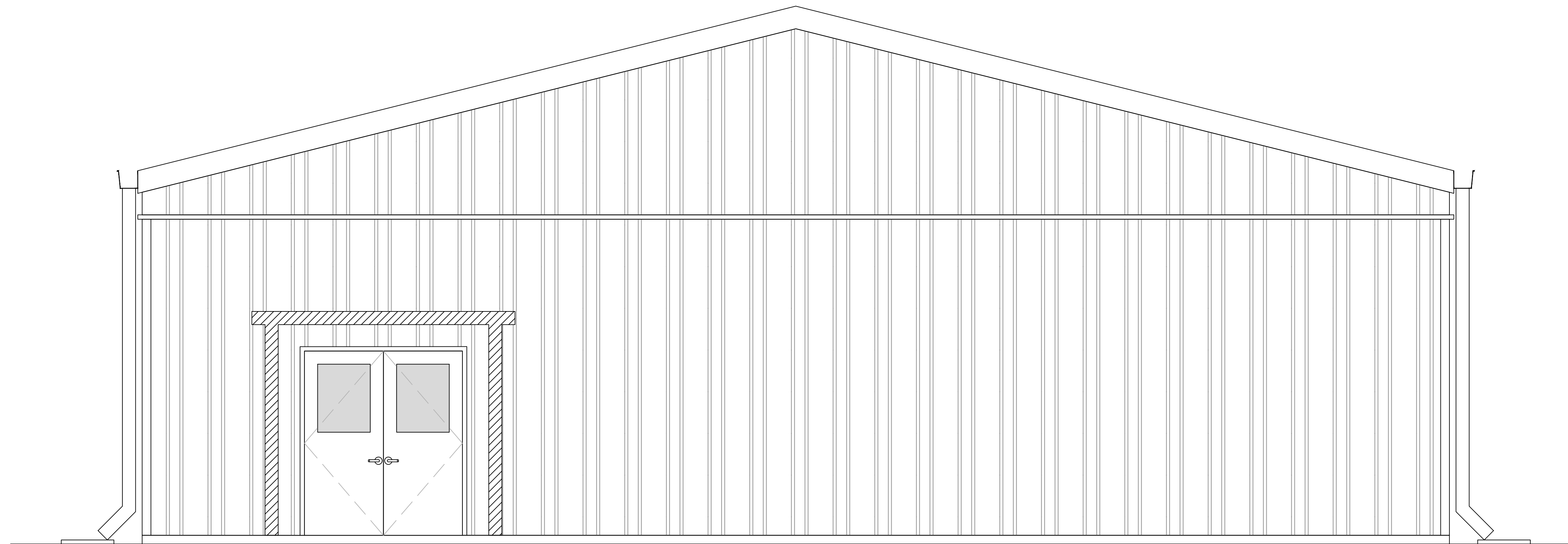


24029
 B1 Set
 June 14, 2024
 NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.
 © 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED.

PAVILION ENCLOSURE NEW HORIZONS LEARNING CENTER

3200 MINNESOTA AVE, PANAMA CITY, FL 32405



INDEX

COVER:	
G001	COVER SHEET
LS101	LIFE SAFETY PLAN
G101	GENERAL INFO AND DETAILS
STRUCTURAL SHEETS:	
S101	STRUCTURAL GENERAL NOTES & CFS FRAMING PLAN
S501	STRUCTURAL CONSTRUCTION DETAILS
S502	STRUCTURAL CONSTRUCTION DETAILS
ARCHITECTURAL SHEETS:	
EX100	EXISTING FLOOR PLAN
D100	DEMOLITION PLAN
A101	FLOOR PLAN
A200	ELEVATIONS
A201	ELEVATIONS
A300	SECTIONS
A301	SECTIONS
A400	SECTION DETAILS
A401	SECTION DETAILS
A500	DOOR SCHEDULE
MECHANICAL SHEETS:	
M001	HVAC AND PLUMBING LEGEND, SCHEDULE, DETAILS, AND NOTES
M101	HVAC AND PLUMBING DEMOLITION PLAN
M201	HVAC AND PLUMBING NEW WORK PLAN
M301	HVAC DETAILS
M401	HVAC CONTROLS
ELECTRICAL SHEETS:	
E001	ELECTRICAL LEGEND, SCHEDULE, DETAILS, AND NOTES
E002	PANEL SCHEDULES AND POWER RISER DIAGRAM
E101	ELECTRICAL DEMO PLAN
E201	POWER NEW WORK PLAN
E301	LIGHTING NEW WORK PLAN
E401	FIRE ALARM PLAN
E501	ELECTRICAL SITE PLAN



ARCHITECTS

DAG Architects AR000694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1671
 www.DAGarchitects.com

CONSTRUCTION
DOCUMENTS

PLANS FOR
 NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE

REVISIONS:

No.	Description	Date

COVER SHEET

PROJECT NUMBER **24029**
 DATED 06.14.2024

B1	PROPOSED BUILDING ELEVATION				
SCALE: NTS					
ARCHITECT:	STRUCTURAL:	MECHANICAL:	ELECTRICAL:		
DAG ARCHITECTS, INC. 455 HARRISON AVE. SUITE I&J PANAMA CITY, FL 32401 PHONE: (850) 387-1671 PIC: OWEN GIPSON, AIA EMAIL: OGIPSON@DAGARCHITECTS.COM	ATLAS ENGINEERING AND CONSULTING 455 HARRISON AVE. SUITE B PANAMA CITY, FL 32401 PHONE: (850) 708-5964 PIC: CODY HARDEN, P.E. EMAIL: CODY@ATLASENG.US	WATFORD ENGINEERING, INC. 4452 CLINTON STREET MARIANNA, FL 32446 PHONE: (850) 526-3447 PIC: DAVID N. WATFORD, PE EMAIL: DAVID@WATFORD-ENGINEERING.COM	WATFORD ENGINEERING, INC. 4452 CLINTON STREET MARIANNA, FL 32446 PHONE: (850) 526-3447 PIC: DAVID N. WATFORD, PE EMAIL: DAVID@WATFORD-ENGINEERING.COM		
A1	PROJECT TEAMS AND DISCIPLINE ALLOCATION				
SCALE: NTS					

A2	PROJECT DRAWING INDEX
SCALE: NTS	

G001

24029
 LS101
 June 14th, 2024
 © 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.

APPLICABLE BUILDING CODES

- FLORIDA BUILDING CODE-BUILDING (FBC-B) 2020 EDITION
- FLORIDA BUILDING CODE- ACCESSIBILITY (FBC-A) 2020 EDITION
- FLORIDA BUILDING CODE- ENERGY CONSERVATION (FBC-EC) 2020 EDITION
- FLORIDA BUILDING CODE- FUEL GAS (FBC-FG) 2020 EDITION
- FLORIDA BUILDING CODE- MECHANICAL (FBC-M) 2020 EDITION
- FLORIDA BUILDING CODE- PLUMBING (FBC-P) 2020 EDITION
- FLORIDA FIRE PREVENTION CODE (FFPC) 7TH EDITION
- NATIONAL ELECTRIC CODE (NEC) 2020 EDITION

CHAPTER 3 - USE AND OCCUPANCY CLASSIFICATION
ONE TENANT - ASSEMBLY GROUP A-3

CHAPTER 5 - GENERAL HEIGHTS & AREAS

A. BUILDING AREAS AND HEIGHTS

- BUILDING FLOOR AREA = 4,001 GSF
- STORY(S) = 1 STORY
- HEIGHT = 20'-1" FT

B. ALLOWABLE HEIGHTS AND BUILDING AREAS (TABLE 503)

- CONSTRUCTION TYPE = II (CHAPTER 6)
- FIRE RESISTANT RATING = "B"
- BUILDING HEIGHT LIMIT = 55'-0"
- MAXIMUM STORES = 2
- MAXIMUM AREA PER FLOOR = 9,500 SF

CHAPTER 6 - TYPES OF CONSTRUCTION

A. CONSTRUCTION CLASSIFICATION-TYPE II B (SECTION 602.2)

B. FIRE RESISTANT RATING REQUIREMENTS (HOURS) FOR BUILDING ELEMENTS (TABLE 601) - TYPE II B:

- STRUCTURAL FRAME = 0 HOURS
- BEARING WALLS - EXTERIOR = 0 HOURS
- BEARING WALLS - INTERIOR = 0 HOURS
- NON-BEARING WALLS AND PARTITIONS - EXTERIOR = SEE TABLE 602

- <5 = 1 HOURS
- >5 TO <10 = 1 HOURS
- >10 TO <20 = 0 HOURS
- >20 TO <30 = 0 HOURS
- >30 = 0 HOURS

C. NON-BEARING WALLS AND PARTITIONS - INTERIOR = 0 HOURS

- FLOOR CONSTRUCTION = 0 HOURS
- ROOF CONSTRUCTION = 0 HOURS

CHAPTER 7 - FIRE-RESISTANT RATED CONSTRUCTION

A. MAXIMUM AREA OF EXT. WALL OPENINGS BASED ON FIRE SEPARATION DISTANCE AND DEGREE OF PROTECTION (TABLE 705.6)

- 30' OR GREATER - UNPROTECTED, NONSPRINKLERED = NO LIMIT

CHAPTER 8 - INTERIOR FINISHES

A. INTERIOR WALL AND CEILING FINISH REQUIREMENTS (TABLE 803.11)
GROUP A-3, NONSPRINKLERED

- VERTICAL EXITS AND EXIT PASSAGEWAYS = A
- EXIT ACCESS CORRIDORS AND OTHER EXITWAYS = A
- ROOMS AND ENCLOSED SPACES = C

CHAPTER 10 - MEANS OF EGRESS

A. OCCUPANT LOAD (TABLE 1004.5)

- ASSEMBLY AREAS (7 NET) - 3,592 GSF / 15 = 235 PERSONS
- STORAGE AREAS (300 GROSS) - 135 GSF/300 = 1 PERSON
- TOTAL BUILDING AREA (GROSS) - 3,789 GSF = 514 PERSONS

B. EGRESS WIDTH SECTION 1005.1
OTHER EGRESS COMPONENTS = 0.2" PER OCCUPANT

C. COMMON PATH OF EGRESS TRAVEL (SECTION 1006.2.1)
GROUP A = 75 FEET MAXIMUM

D. EXIT AND EXIT ACCESS DOORWAYS (1006)
TWO EXITS OR EXIT ACCESS DOORWAYS FROM ANY SPACE SHALL BE PROVIDED WHERE ONE OF THE FOLLOWING CONDITIONS EXISTS:

- OCCUPANT LOAD OF THE SPACE EXCEEDS VALUES IN TABLE 1006.2.1
- THE COMMON PATH OF EGRESS TRAVEL EXCEEDS THE LIMITATIONS OF SECTION 1006.2.1
- WHERE REQUIRED BY SECTION 1006.3.2

F. EXIT ACCESS TRAVEL DISTANCE (TABLE 1017.2) WITH SPRINKLER SYSTEM

- OCCUPANCY A = 200 FEET MAXIMUM

G. CORRIDOR FIRE RESISTANT RATING (TABLE 1020.2) WITHOUT SPRINKLER SYSTEM

- OCCUPANCY A = 1 HOUR

H. CORRIDOR WIDTH (SECTION 1020.3)

- CORRIDOR WIDTH 44" MIN.

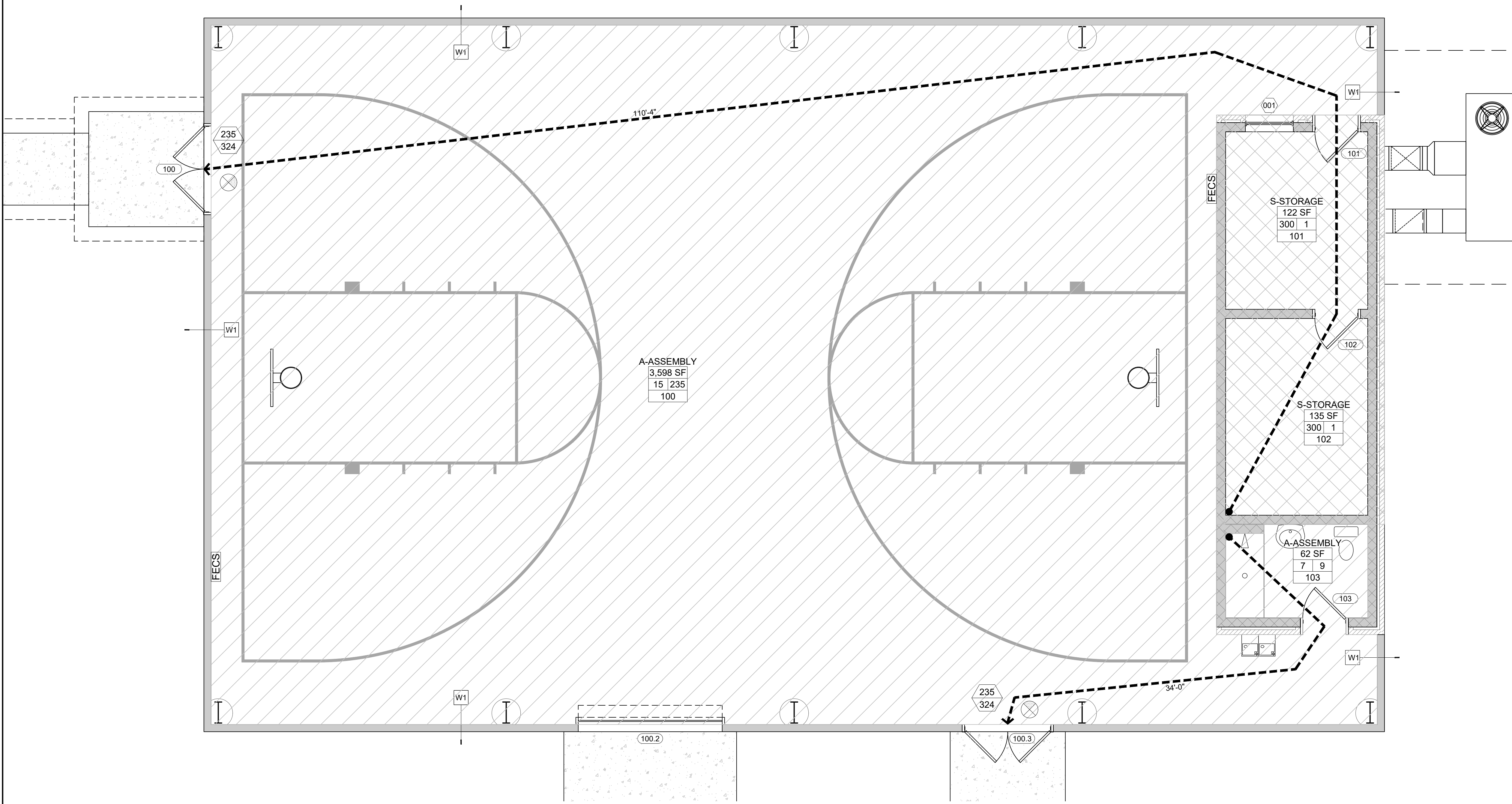
I. MINIMUM NUMBER OF EXITS FOR OCCUPANT LOAD (TABLE 1006.3.2)

- OCCUPANT LOAD 1-500 PERSONS = 2 EXITS
- OCCUPANT LOAD 501-1,000 PERSONS = 3 EXITS
- OCCUPANT LOAD MORE THAN 1,000 PERSONS = 4 EXITS

TOTAL NUMBER OF OCCUPANTS : 246

A. EGRESS WIDTH (1005.3.2)

- EGRESS = 0.2" PER OCCUPANT
- 246 OCC. x 0.2" = 49.2" INCHES MIN. TOTAL EGRESS REQUIRED
- TOTAL EGRESS WIDTH PROPOSED = 114.5"



LIFE SAFETY LEGEND

- PATH OF TRAVEL, DISTANCE AND DIRECTION
- S-STORAGE ROOM OCCUPANCY TYPE
- 135 SF ROOM SQ FT
- 300/1 ROOM OCCUPANT COUNT
- 003 ROOM OCCUPANT COUNT
- 003 ROOM NUMBER
- 32 EXIT LOAD
- 162 EXIT CAPACITY
- FECS FIRE EXTINGUISHER CAB. SURFACE MOUNTED
- SD SMOKE DETECTOR
- EXIT SIGN WITH LED EMERGENCY LIGHT

DAG ARCHITECTS

DAG Architects AR0006694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1071
 www.DAGarchitects.com

CONSTRUCTION DOCUMENTS

PLANS FOR
**NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE**

C1	LEGEND
SCALE: NTS	
LIFE SAFETY NOTES	
1. EXIT UNITS/EXIT DOOR LEAF = 36". ACTUAL CLEAR WIDTH = 32.5". 32.5" DIVIDED BY 0.20"/PERSON = 162 PEOPLE/LEAF 2. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION	
B1	NOTES
SCALE: NTS	
STATEMENT OF COMPLIANCE	
TO THE BEST OF MY KNOWLEDGE THESE DRAWINGS AND THE PROJECT MANUAL ARE COMPLETE AND COMPLY WITH THE FLORIDA BUILDING CODE.	
A3	STATEMENT
SCALE: NTS	

REVISIONS:

No.	Description	Date

LIFE SAFETY

PROJECT NUMBER **24029**
 DATED 06.14.2024

A1	CODE SUMMARY	A2	LIFE SAFETY PLAN
SCALE: NTS		SCALE: 1/4" = 1'-0"	

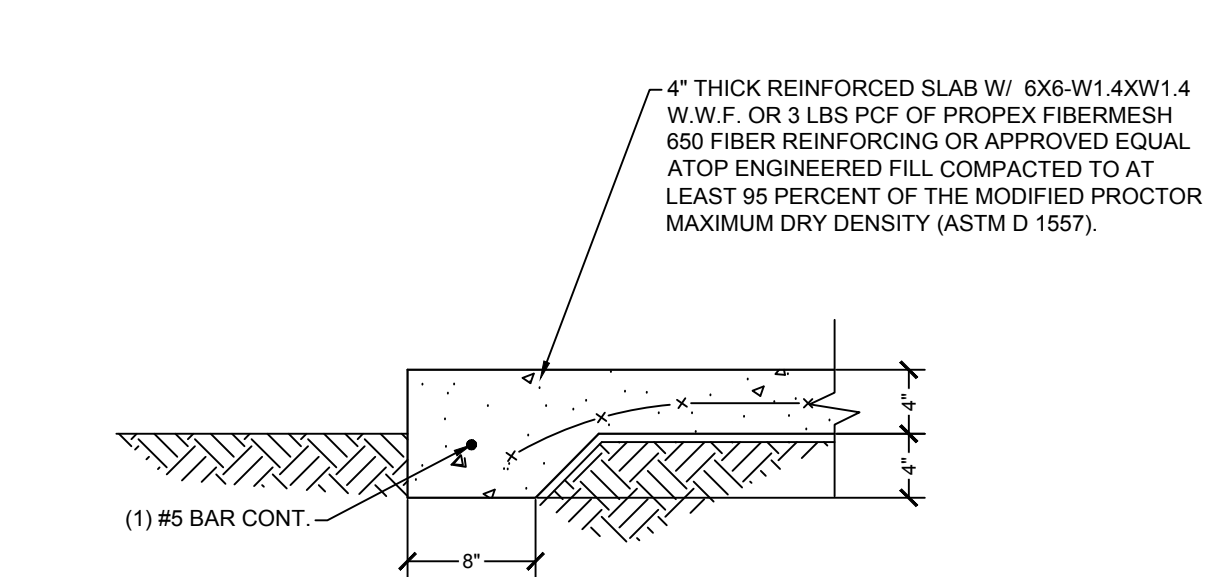
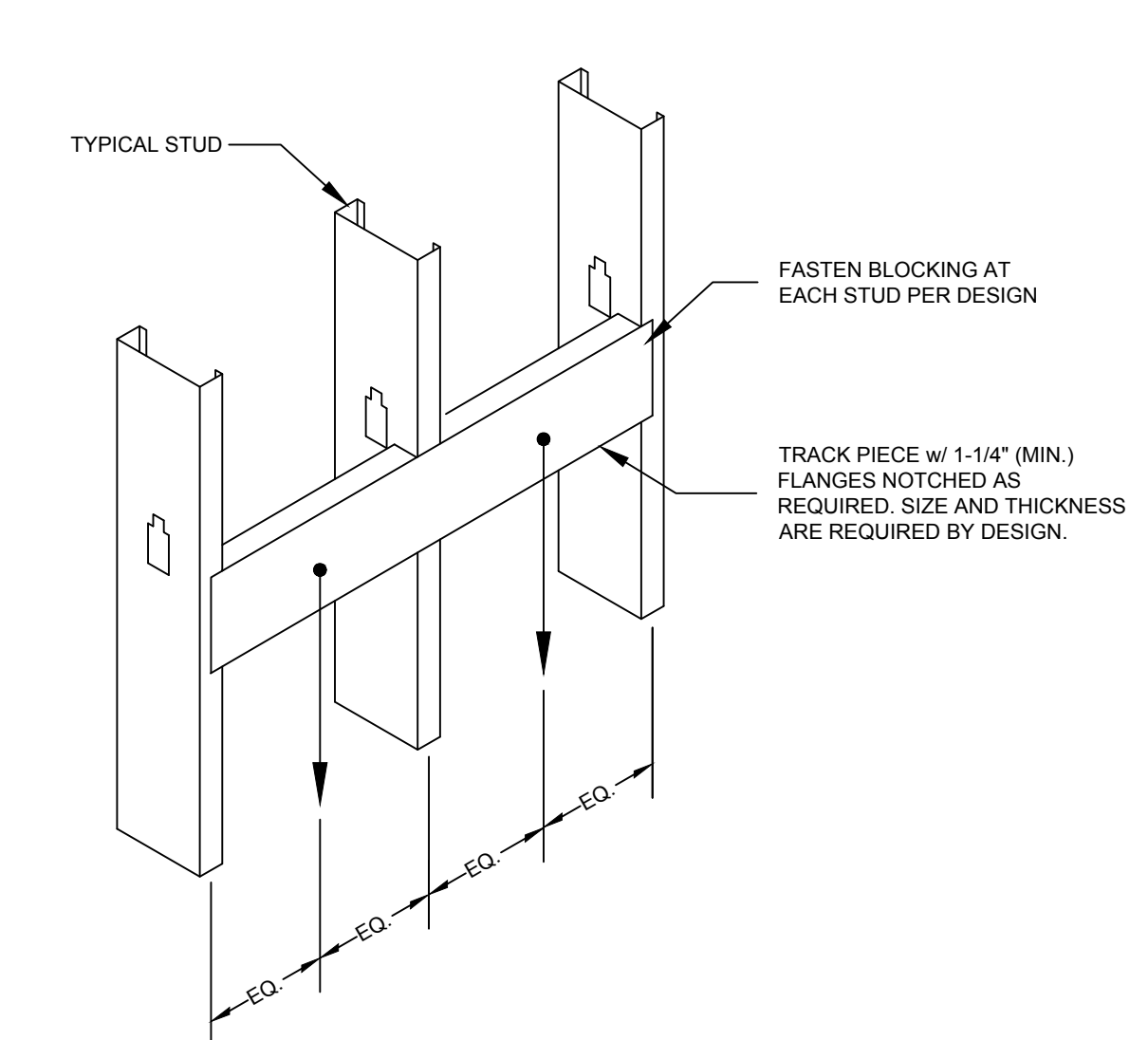
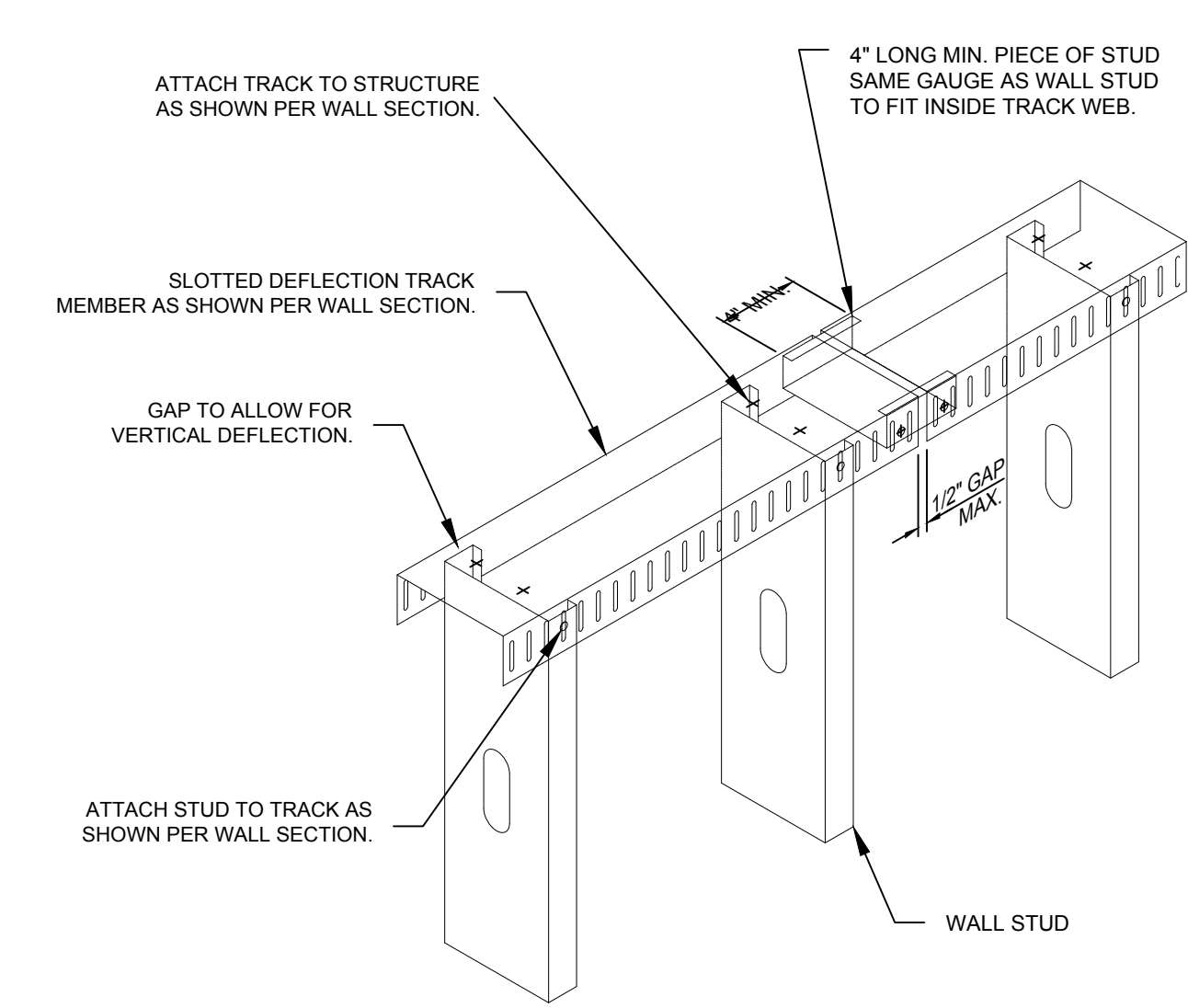
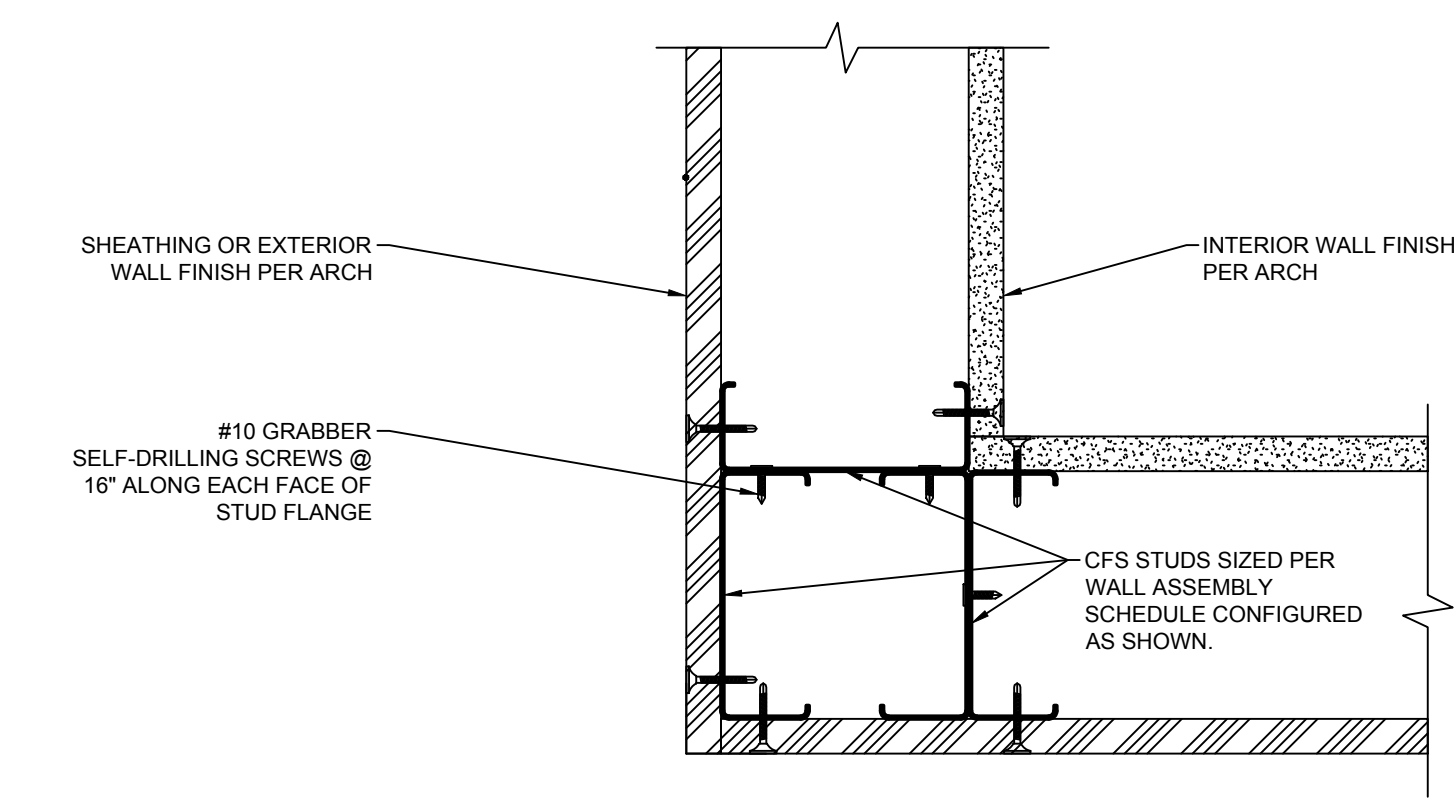
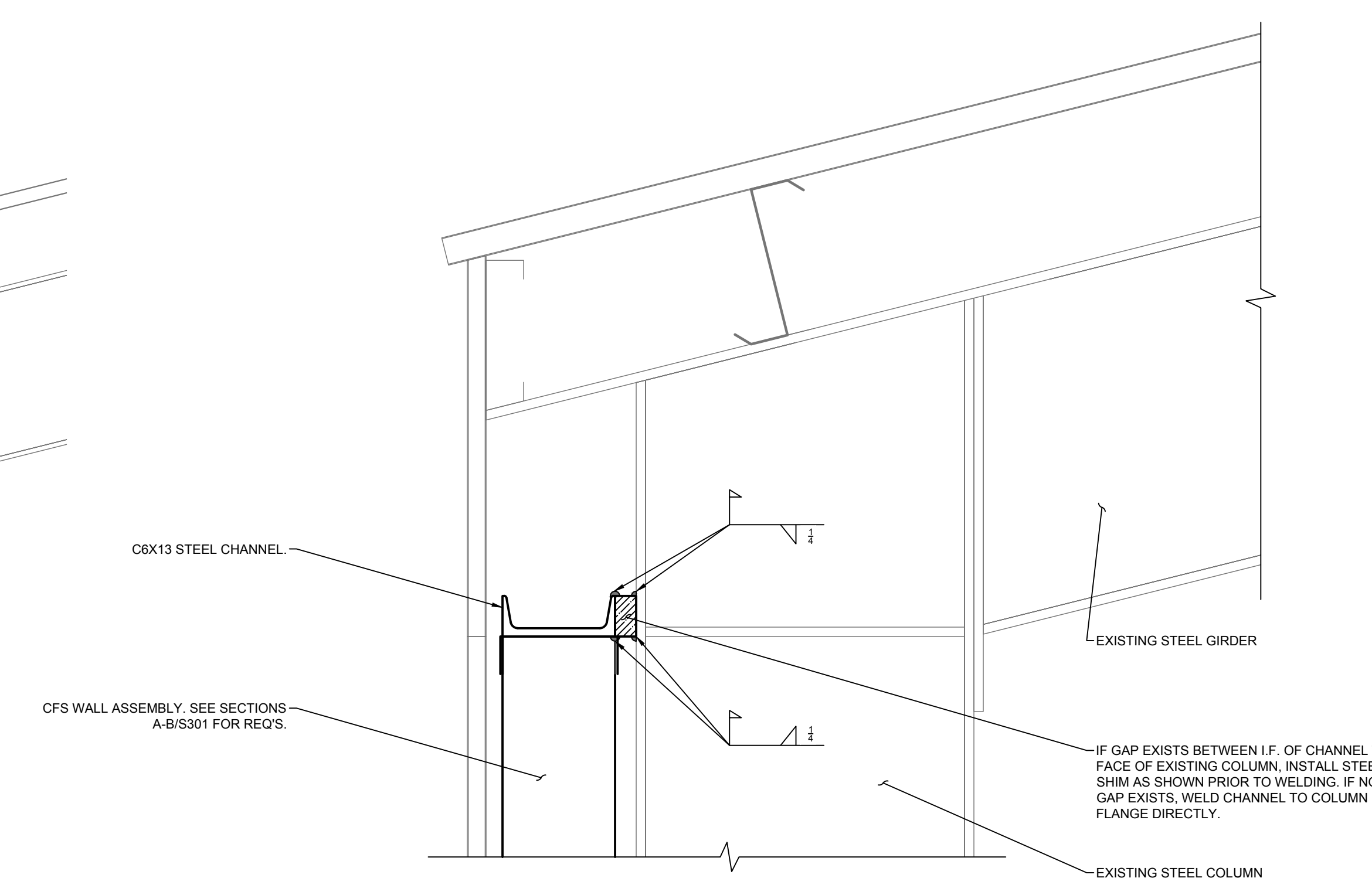
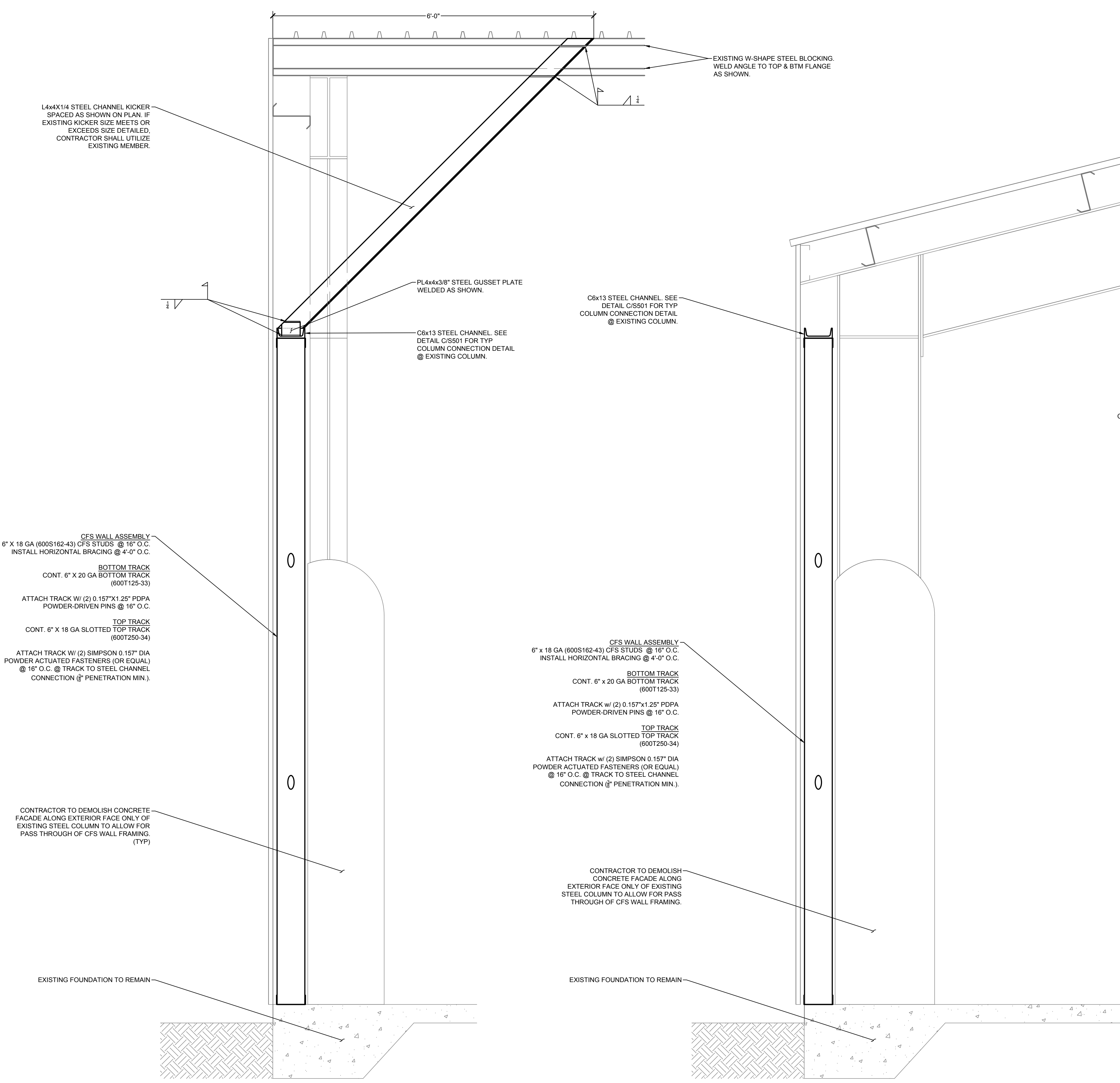
24029
 Bldg Set
 June 14th, 2024
 © 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.



DAG ARCHITECTS AR0006694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1871
 www.DAGarchitects.com

CONSTRUCTION DOCUMENTS

PLANS FOR
**NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE**



ATLAS
 ENGINEERING AND CONSULTING

455 HARRISON AVE. SUITE B
 PANAMA CITY, FLORIDA 32401
 PHONE: (850) 257-5316 EMAIL: INFO@ATLASENG.US REGISTRY NO. 34399

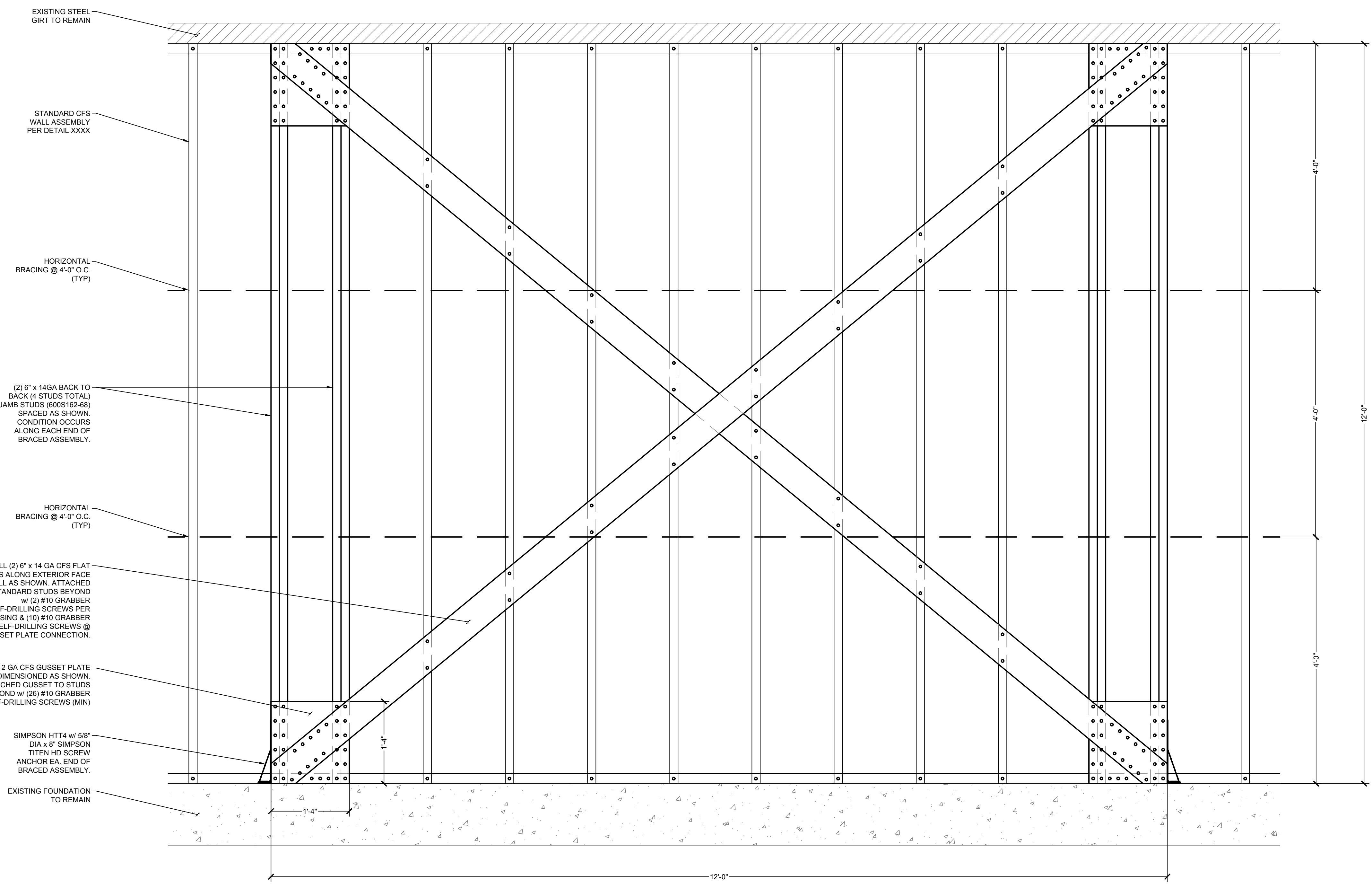
REVISIONS:

No.	Description	Date

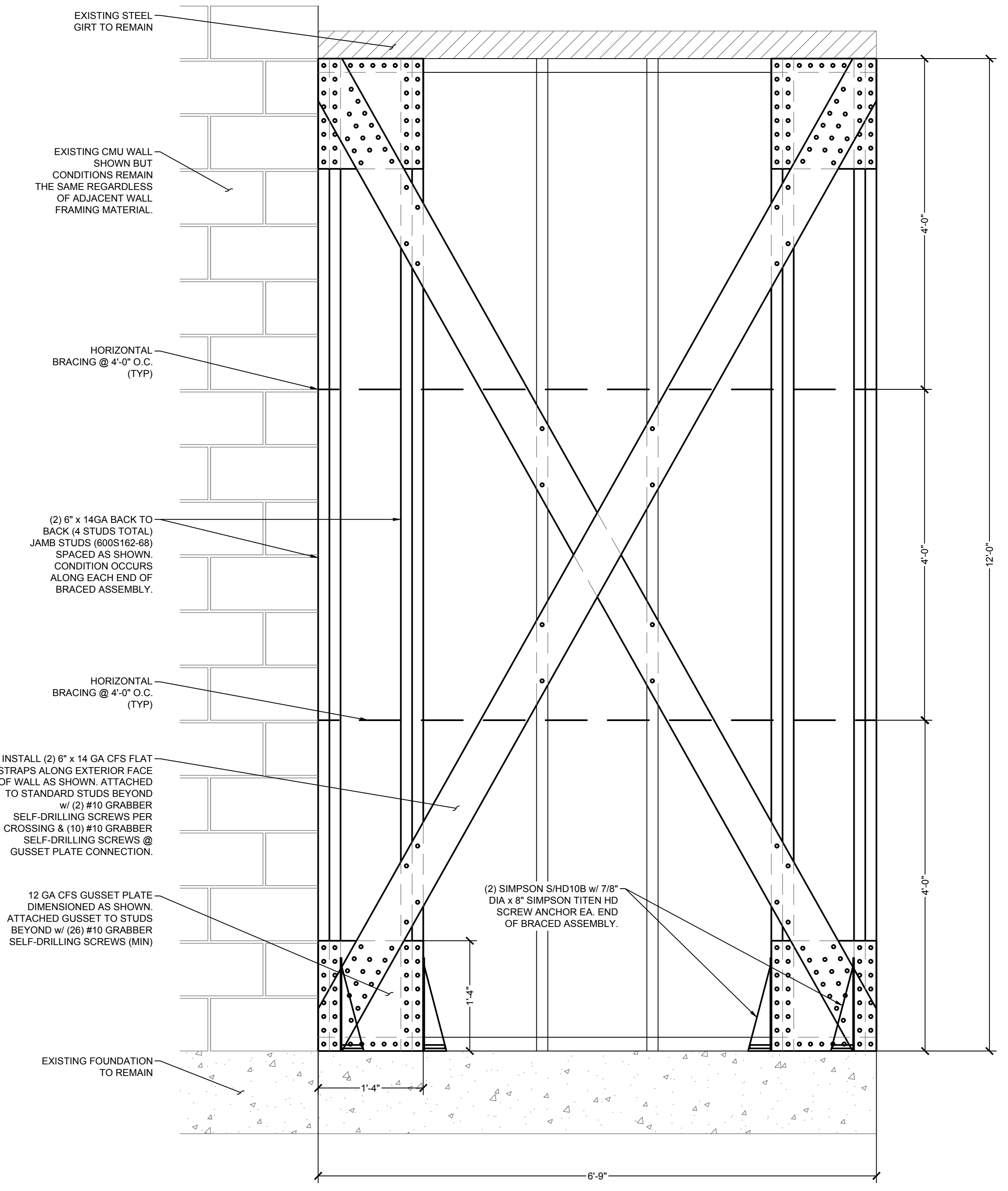
STRUCTURAL
 CONSTRUCTION
 DETAILS

PROJECT NUMBER **24029**
 DATED **06.14.2024**

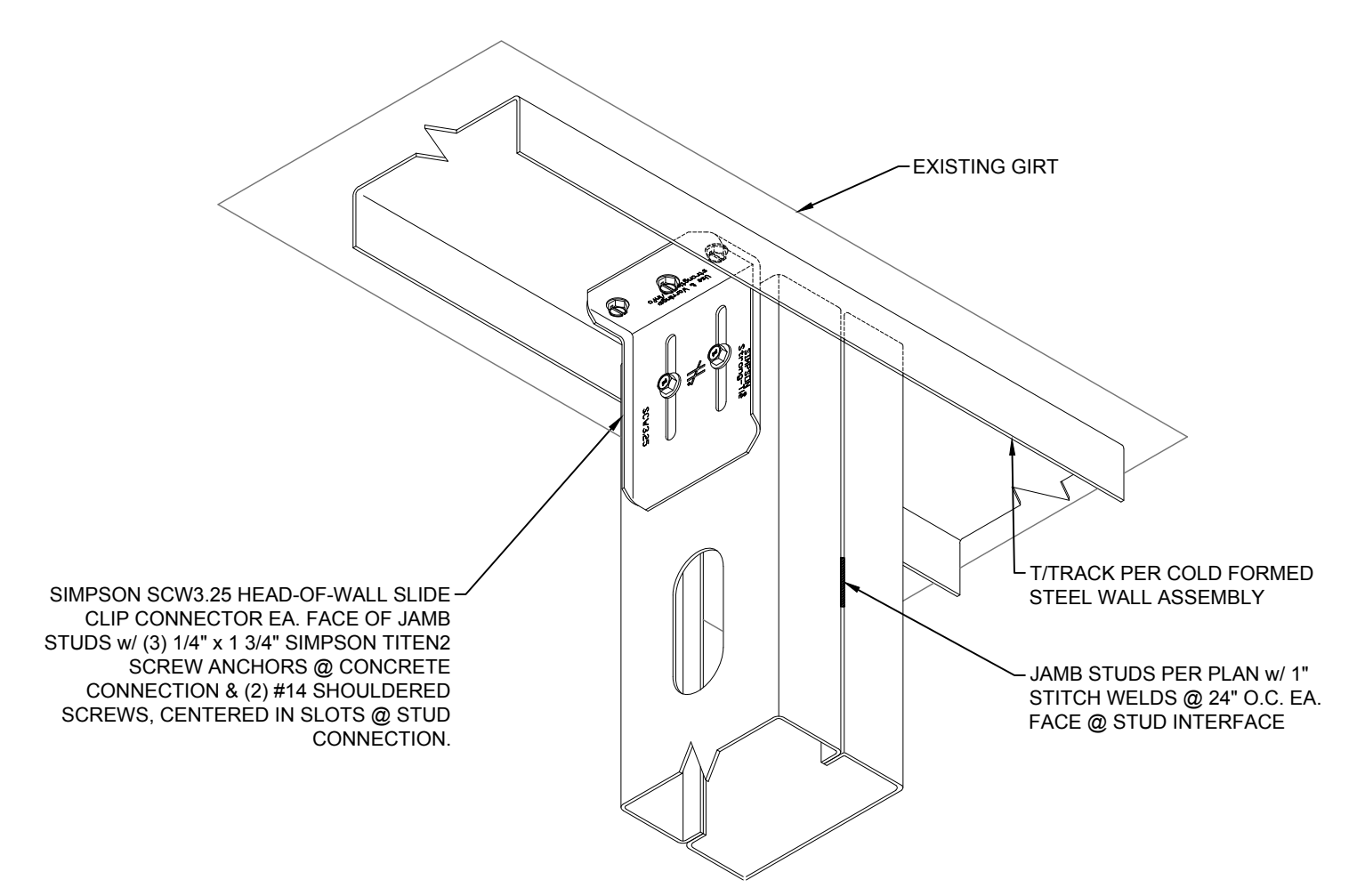
24029
 B3 Set
 June 14th, 2024
 © 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.



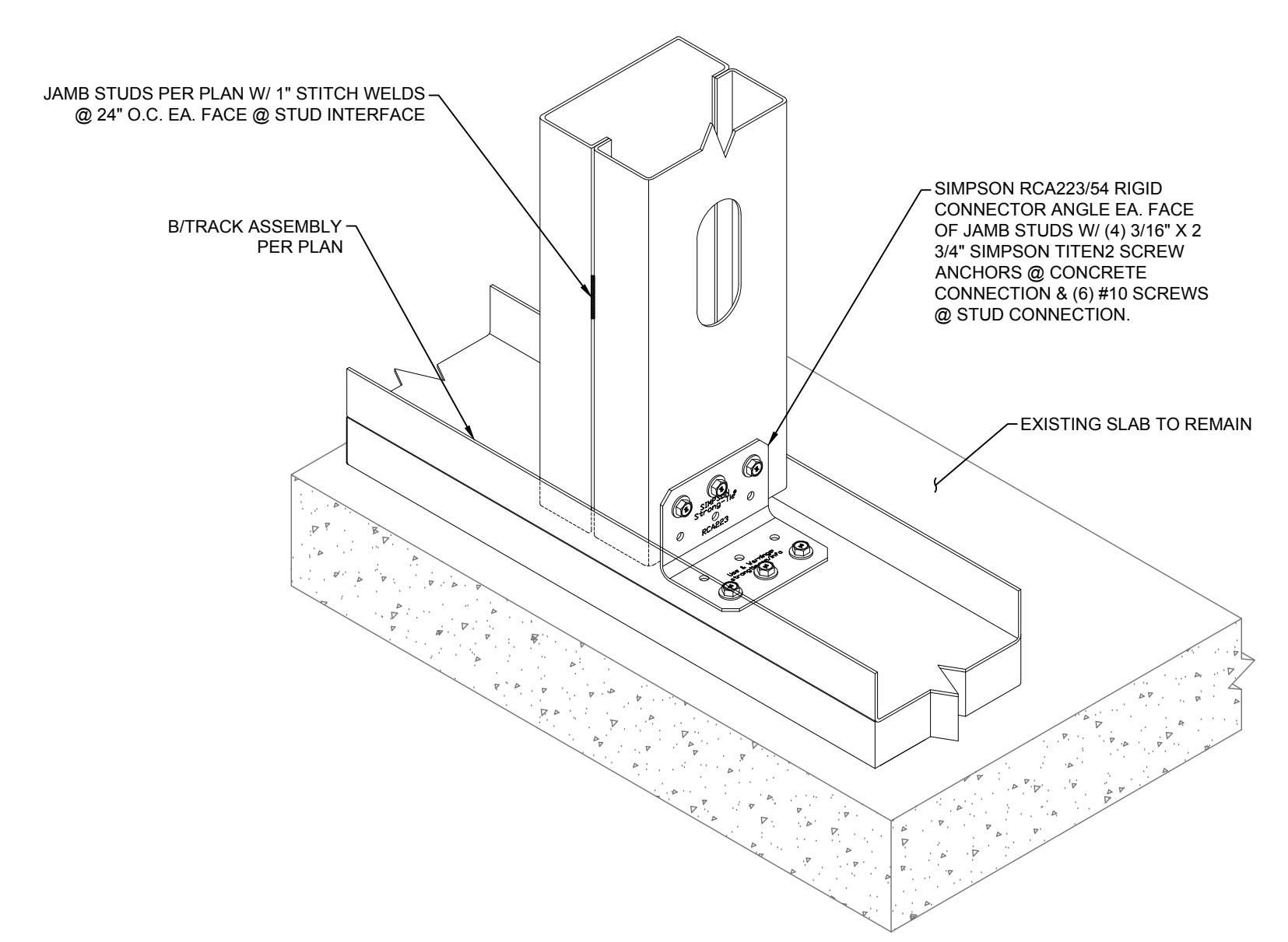
A TYP. LATERAL BRACE "A" FRAMING DETAIL
 SCALE: 1" = 1'-0"



B TYP. LATERAL BRACE "B" FRAMING DETAIL
 SCALE: 1" = 1'-0"



C TYP. JAMB CONNECTION @ T/TRACK
 SCALE: N.T.S.



D TYP. JAMB CONNECTION @ B/TRACK
 SCALE: N.T.S.


ATLAS
 ENGINEERING AND CONSULTING
 455 HARRISON AVE. SUITE B
 PANAMA CITY, FLORIDA 32401
 PHONE: (850) 257-5316 EMAIL: INFO@ATLASENG.US REGISTRY NO. 34399

REVISIONS:

No.	Description	Date

STRUCTURAL
 CONSTRUCTION
 DETAILS
 PROJECT NUMBER **24029**
 DATED **06.14.2024**

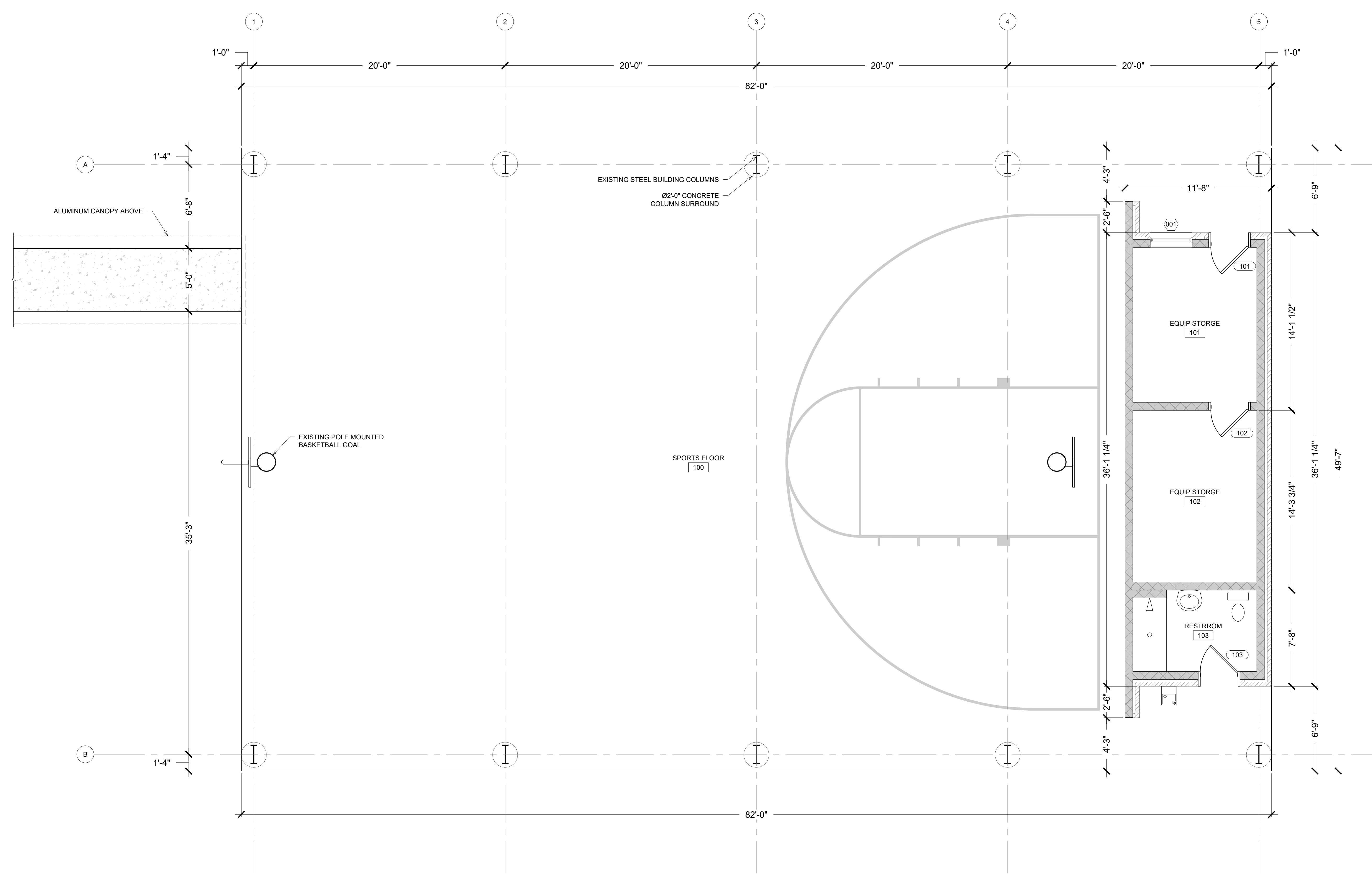
© 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.
 24029
 B10 Set
 June 14th, 2024



DAG ARCHITECTS
 DAG Architects AR0006694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1671
 www.DAGarchitects.com

CONSTRUCTION DOCUMENTS

PLANS FOR
NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE



REVISIONS:

No.	Description	Date

EXISTING FLOOR PLAN

PROJECT NUMBER **24029**
 DATED **06.14.2024**

A1
EXISTING FLOOR PLAN
 SCALE: 1/4" = 1'-0"

EX100

© 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.
 24029
 B3 Set
 June 14th, 2024



ARCHITECTS

DAG Architects AR0006694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1671
 www.DAGarchitects.com

CONSTRUCTION DOCUMENTS

PLANS FOR
**NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE**

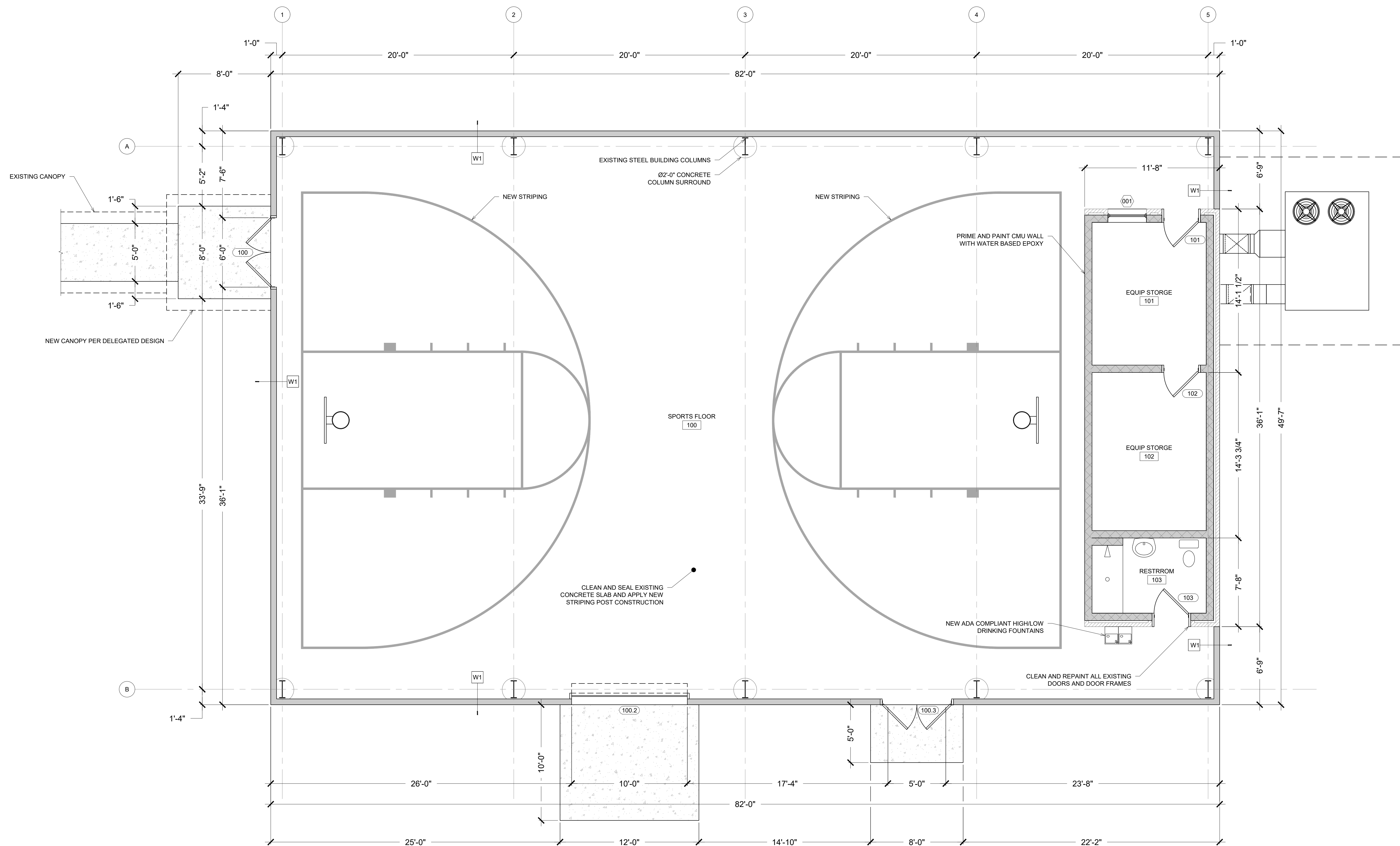
REVISIONS:

No.	Description	Date

FLOOR PLAN

PROJECT NUMBER **24029**
 DATED 06.14.2024

A101



A1 FLOOR PLAN

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

1 2 3 4 5 6

© 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.

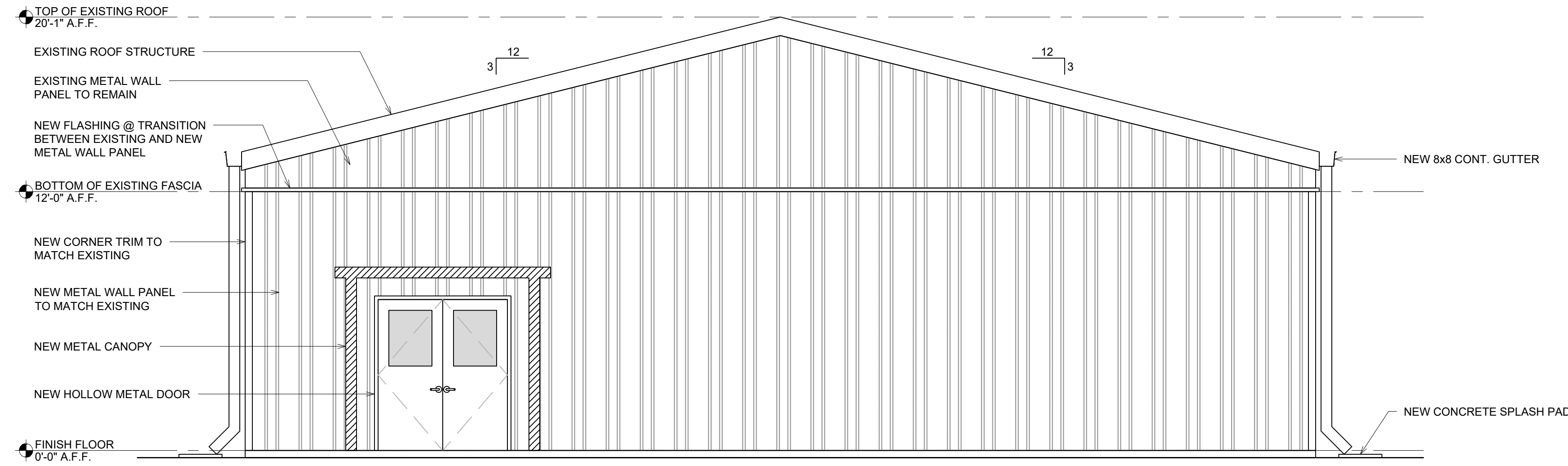


ARCHITECTS

DAG Architects AR0006694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1871
 www.DAGarchitects.com

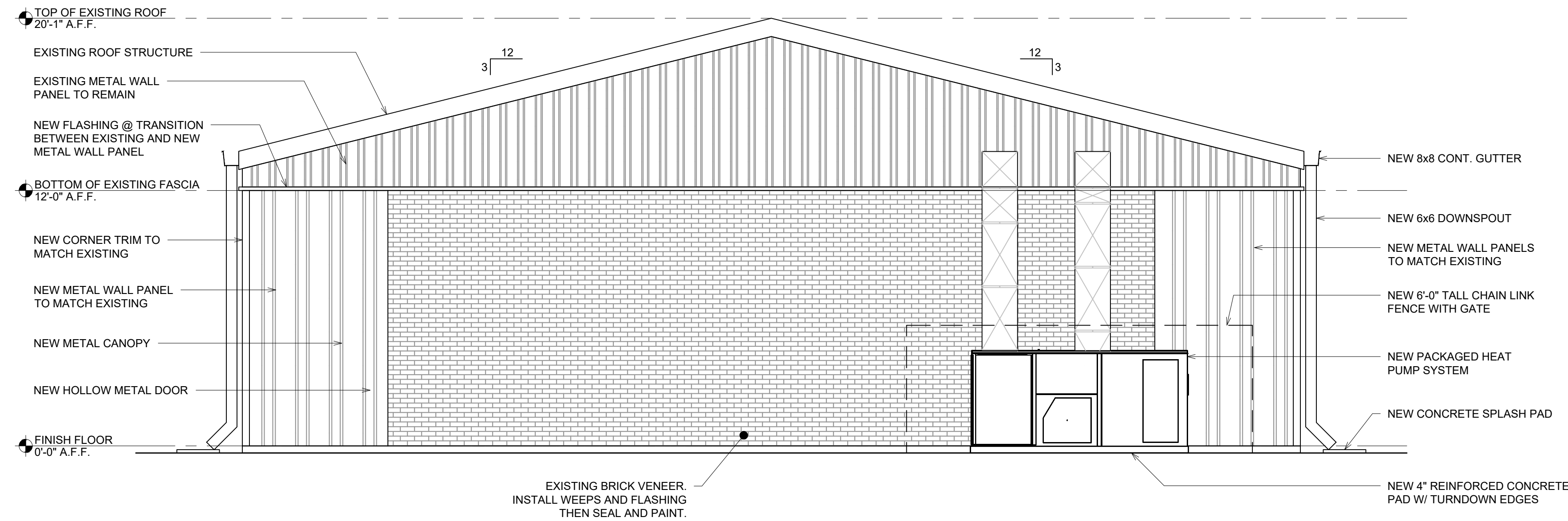
CONSTRUCTION DOCUMENTS

PLANS FOR
**NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE**



B1 FRONT ELEVATION

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



A1 REAR ELEVATION

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

REVISIONS:

No.	Description	Date

ELEVATIONS

PROJECT NUMBER **24029**
 DATED 06.14.2024

A200

24029
 B1 Set
 June 14, 2024
 © 2024 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.

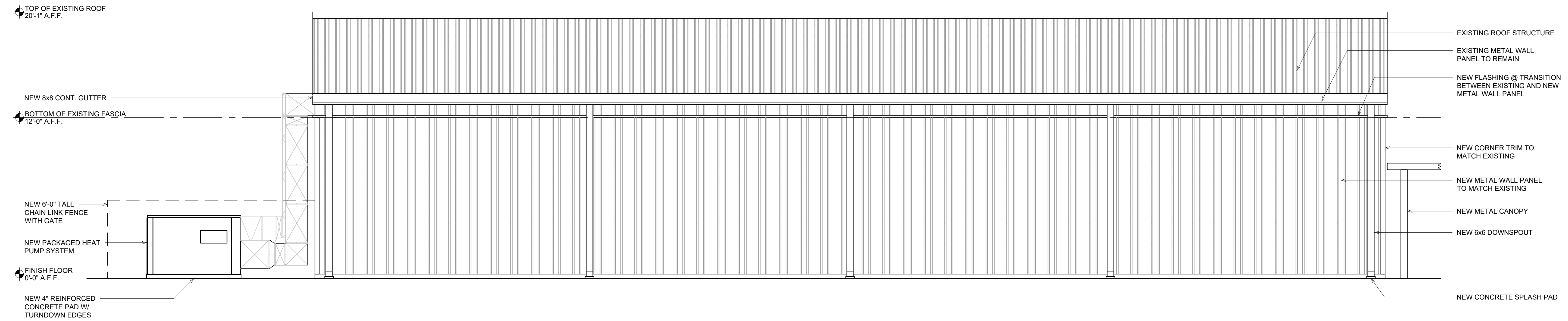


ARCHITECTS

DAG Architects AR000694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1871
 www.DAGarchitects.com

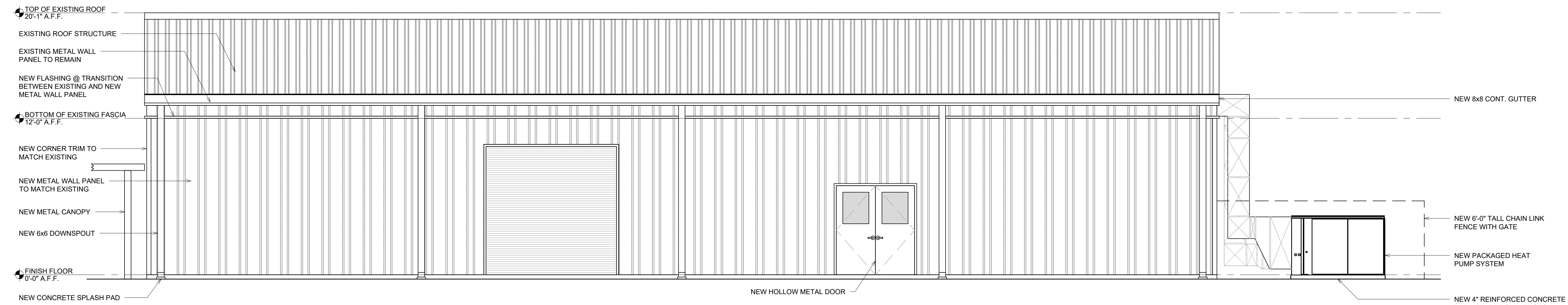
CONSTRUCTION DOCUMENTS

PLANS FOR
**NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE**



B1 LEFT SIDE ELEVATION

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



A1 RIGHT SIDE ELEVATION

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

REVISIONS:

No.	Description	Date

ELEVATIONS

PROJECT NUMBER **24029**
 DATED 06.14.2024

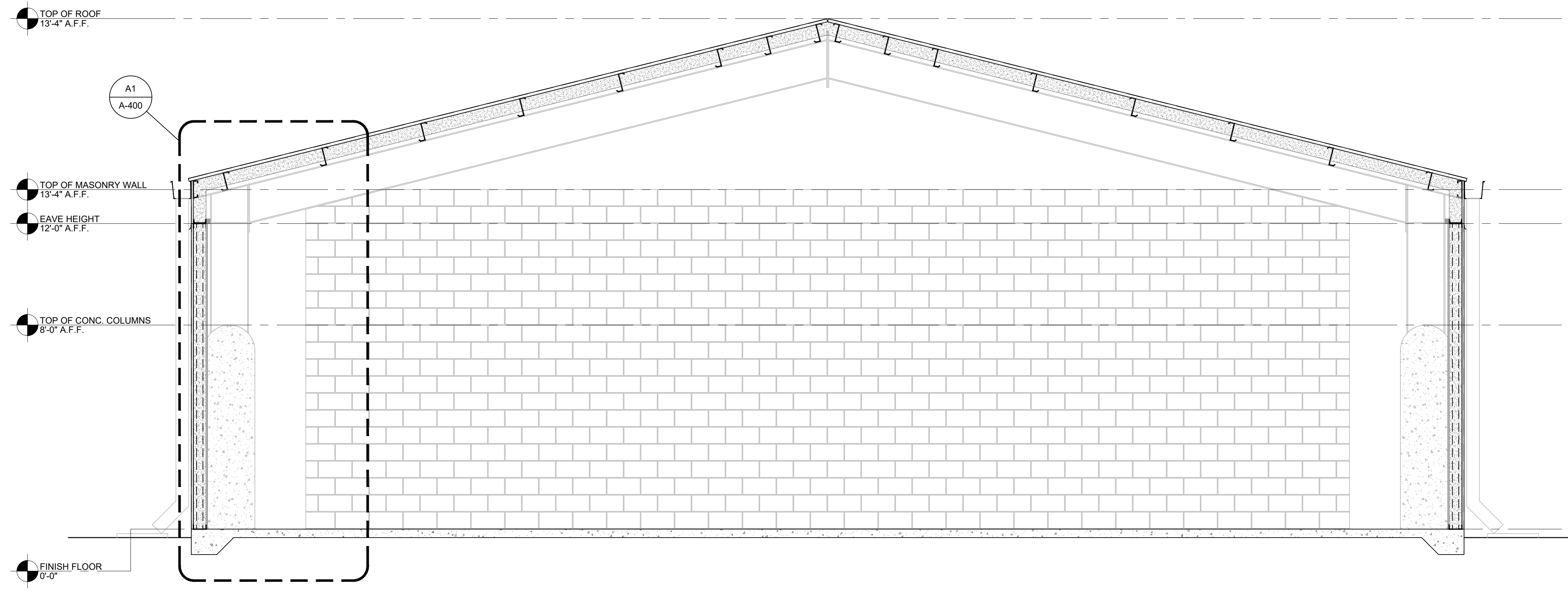


ARCHITECTS

DAG Architects AR0006694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1871
www.DAGarchitects.com

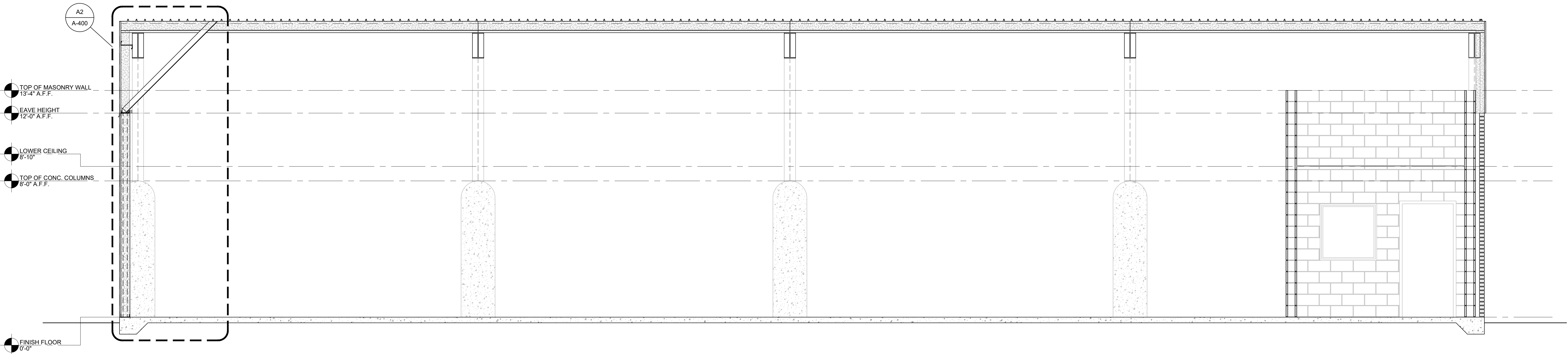
CONSTRUCTION DOCUMENTS

PLANS FOR
NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE



B1 BUILDING SECTION

SCALE: 3/8" = 1'-0"



A1 BUILDING SECTION

SCALE: 3/8" = 1'-0"

REVISIONS:

No.	Description	Date

SECTIONS

PROJECT NUMBER 24029
DATED 06.14.2024

A300

© 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.

24029
 Big Set
 June 14th, 2024

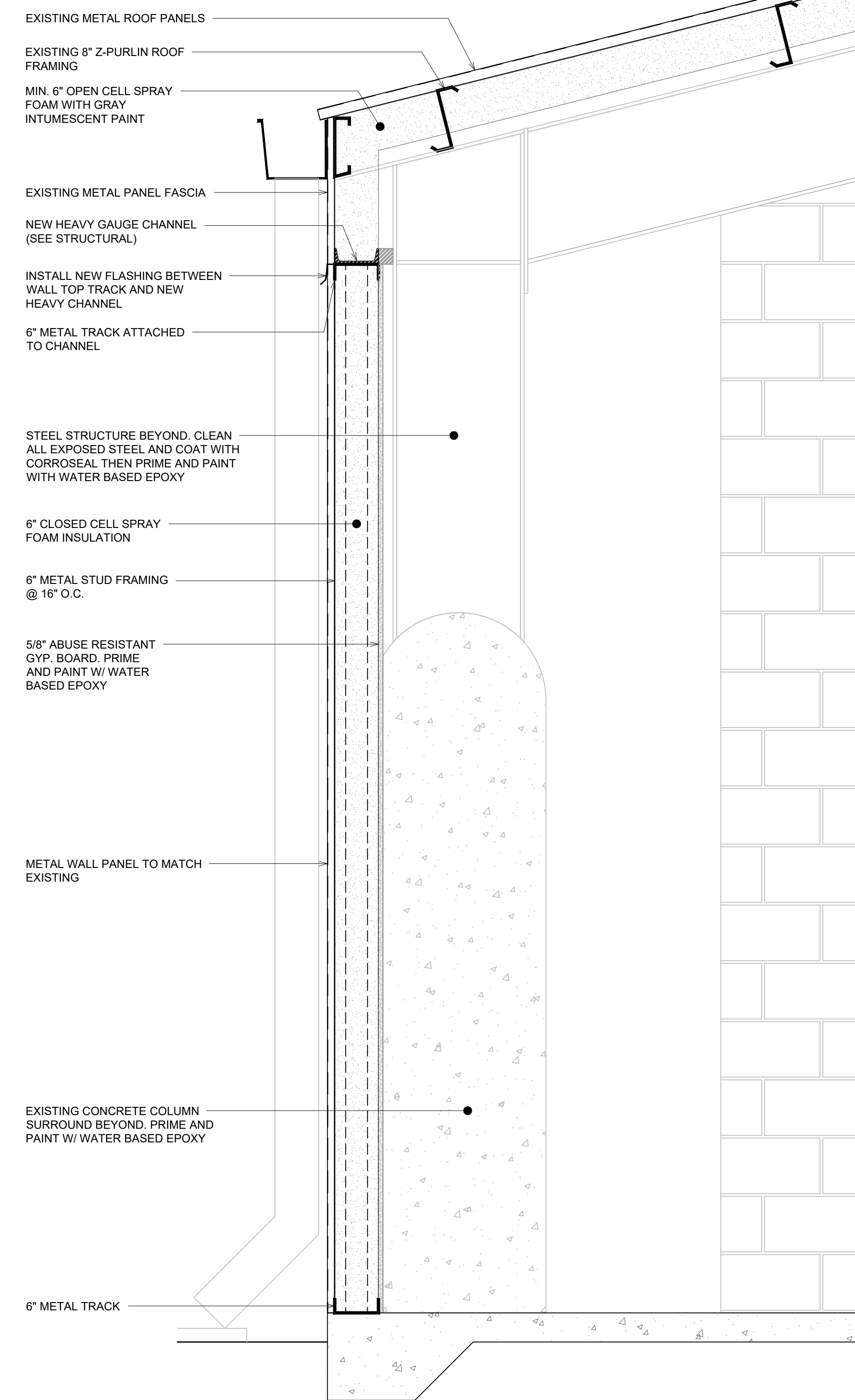
E

D

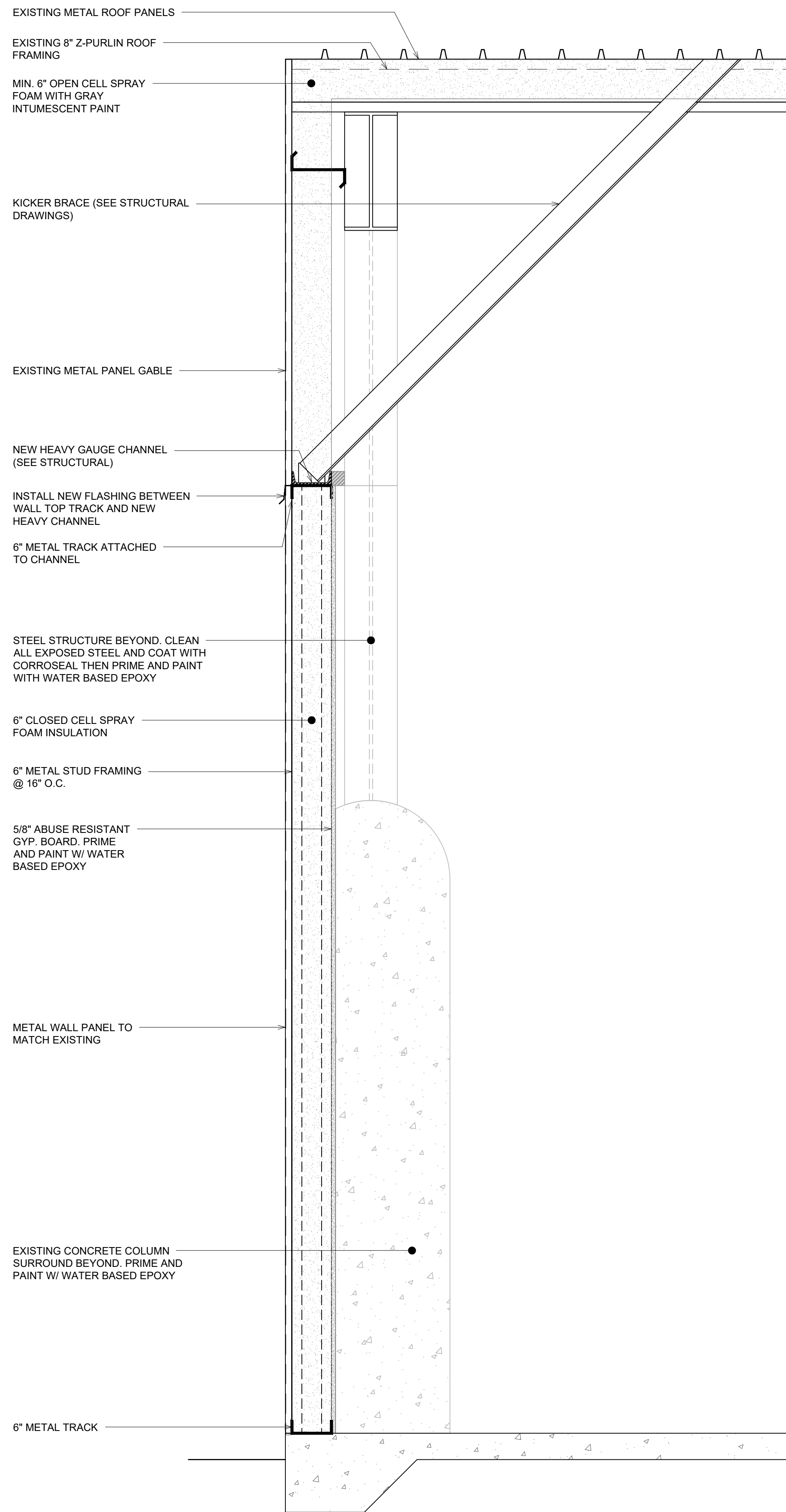
C

B

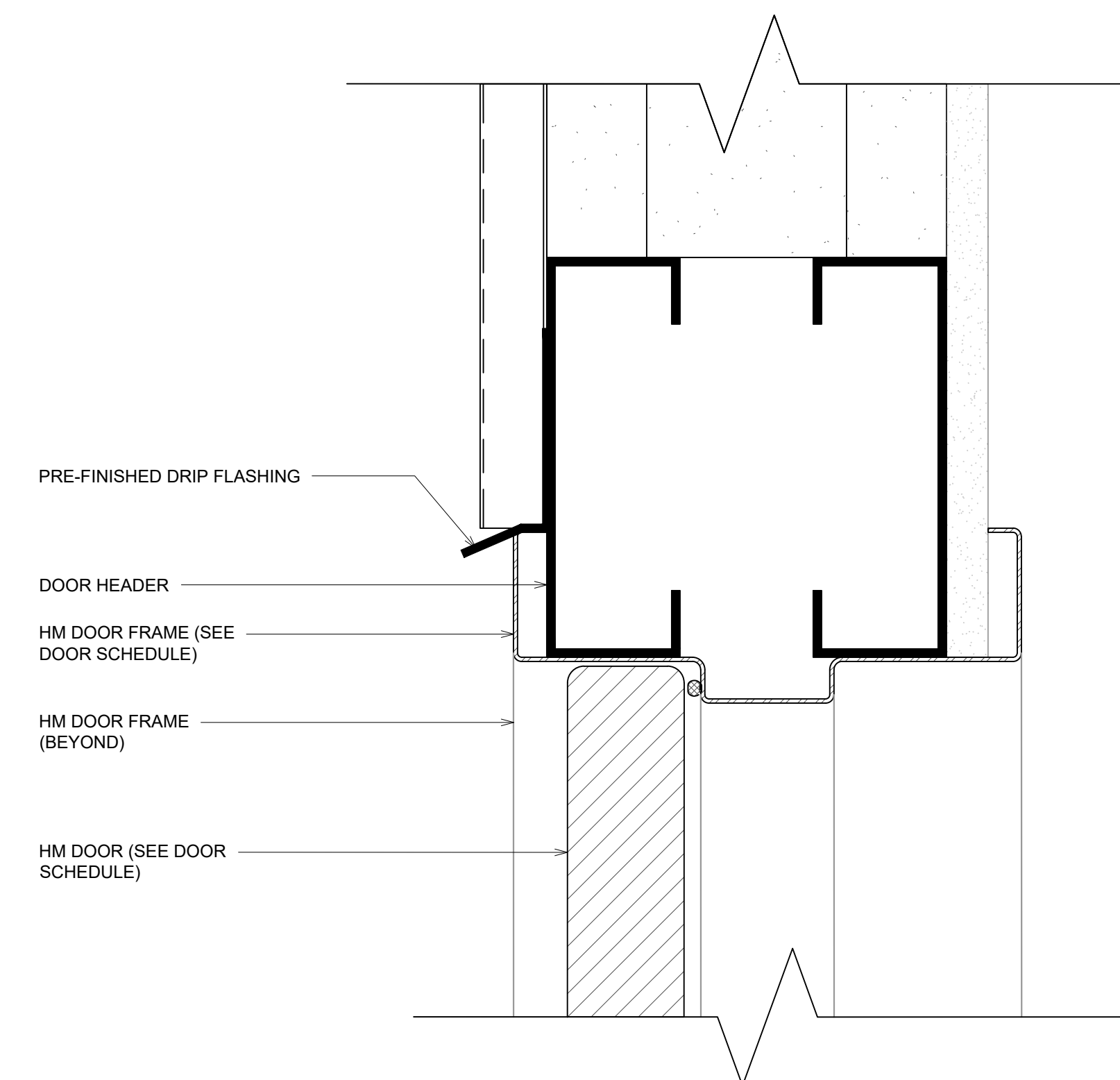
A



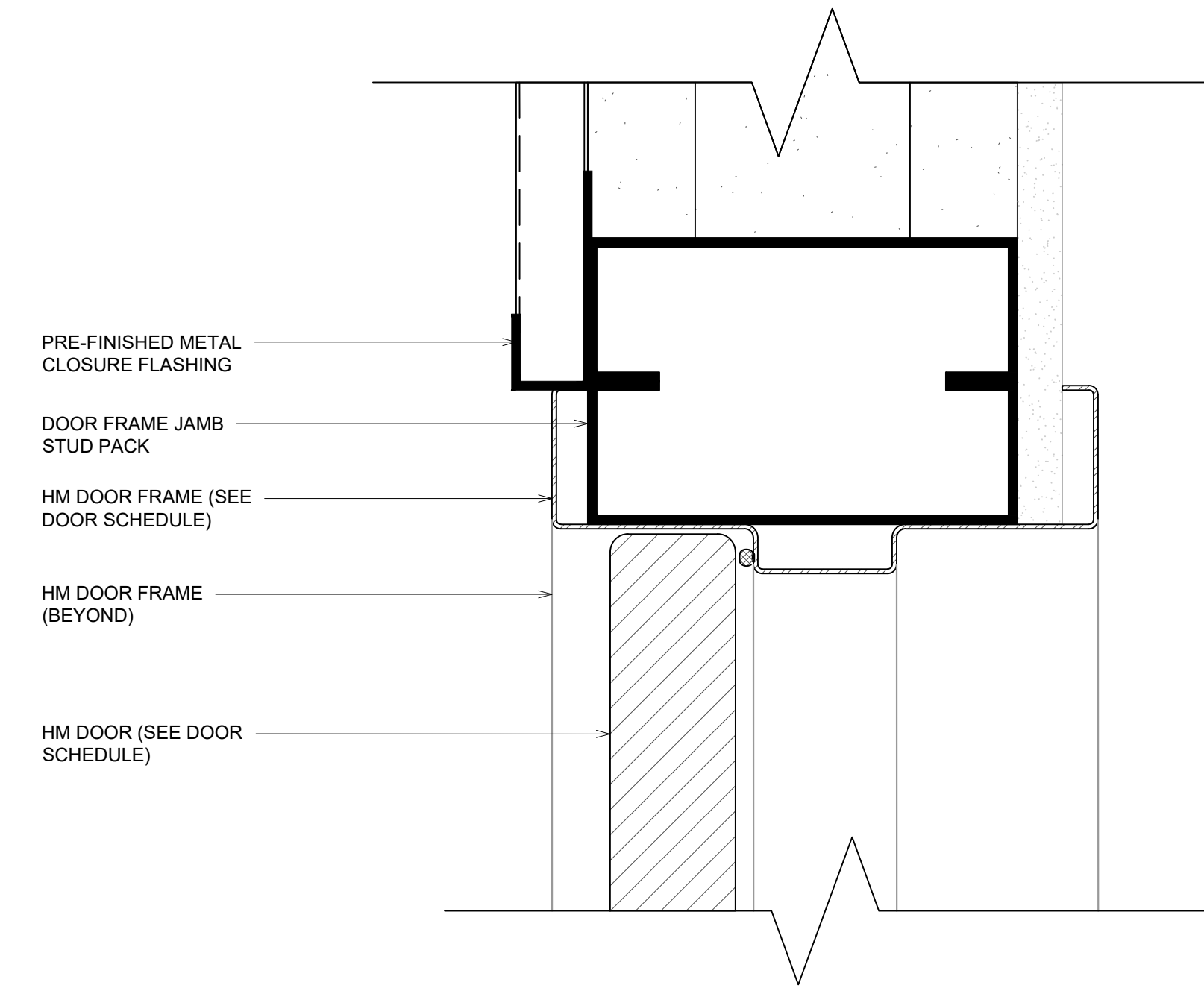
A1 SECTION DETAIL
SCALE: 1" = 1'-0"



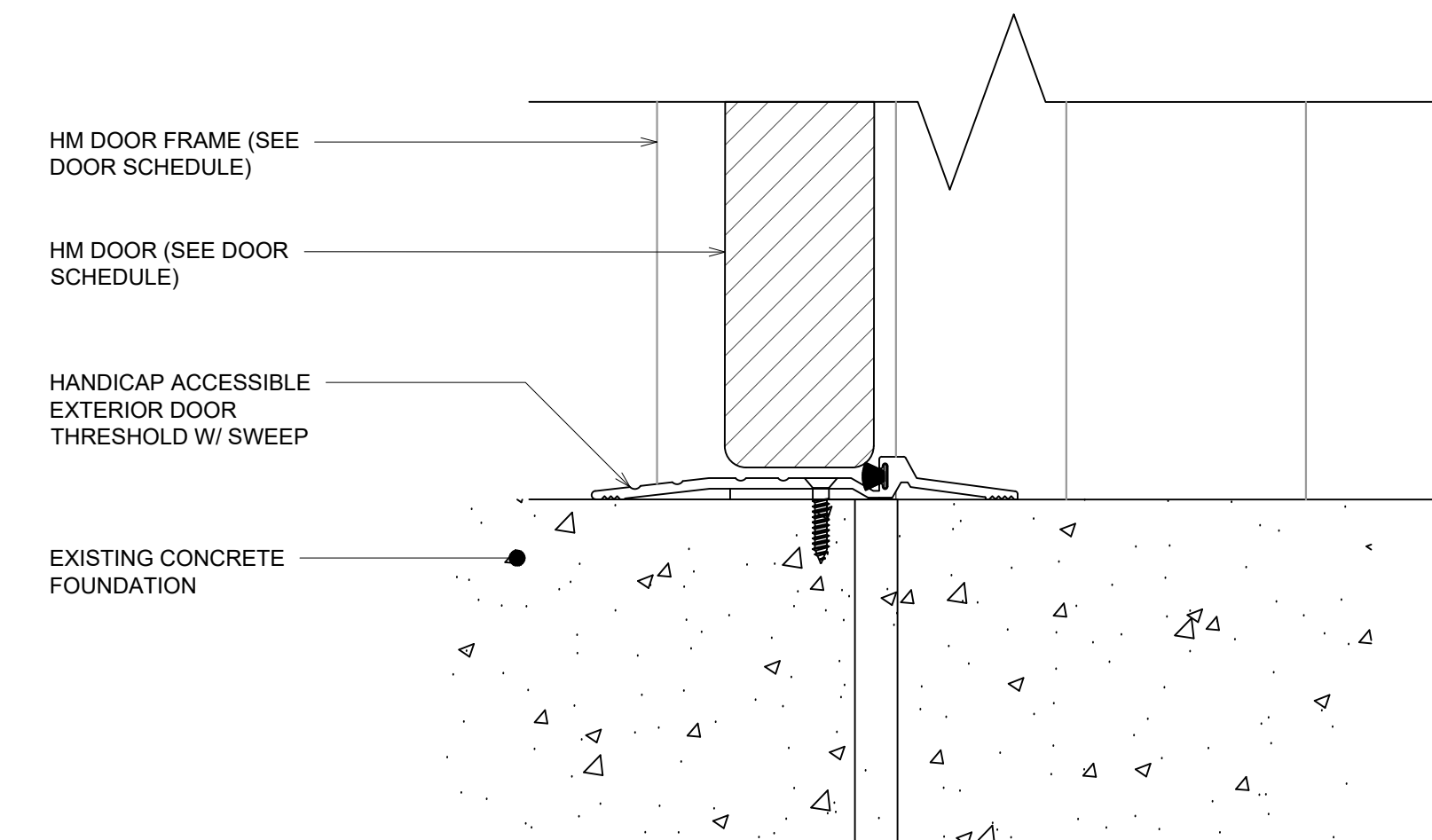
A2 SECTION DETAIL
SCALE: 1" = 1'-0"



C1 DOOR HEAD DETAIL
SCALE: 1" = 1'-0"



B1 DOOR JAMB DETAIL
SCALE: 1" = 1'-0"



A3 DOOR SILL DETAIL
SCALE: 1" = 1'-0"



ARCHITECTS
 DAG Architects AR000694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1071
 www.DAGarchitects.com

CONSTRUCTION DOCUMENTS

**PLANS FOR
 NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE**

REVISIONS:

No.	Description	Date

SECTION DETAILS

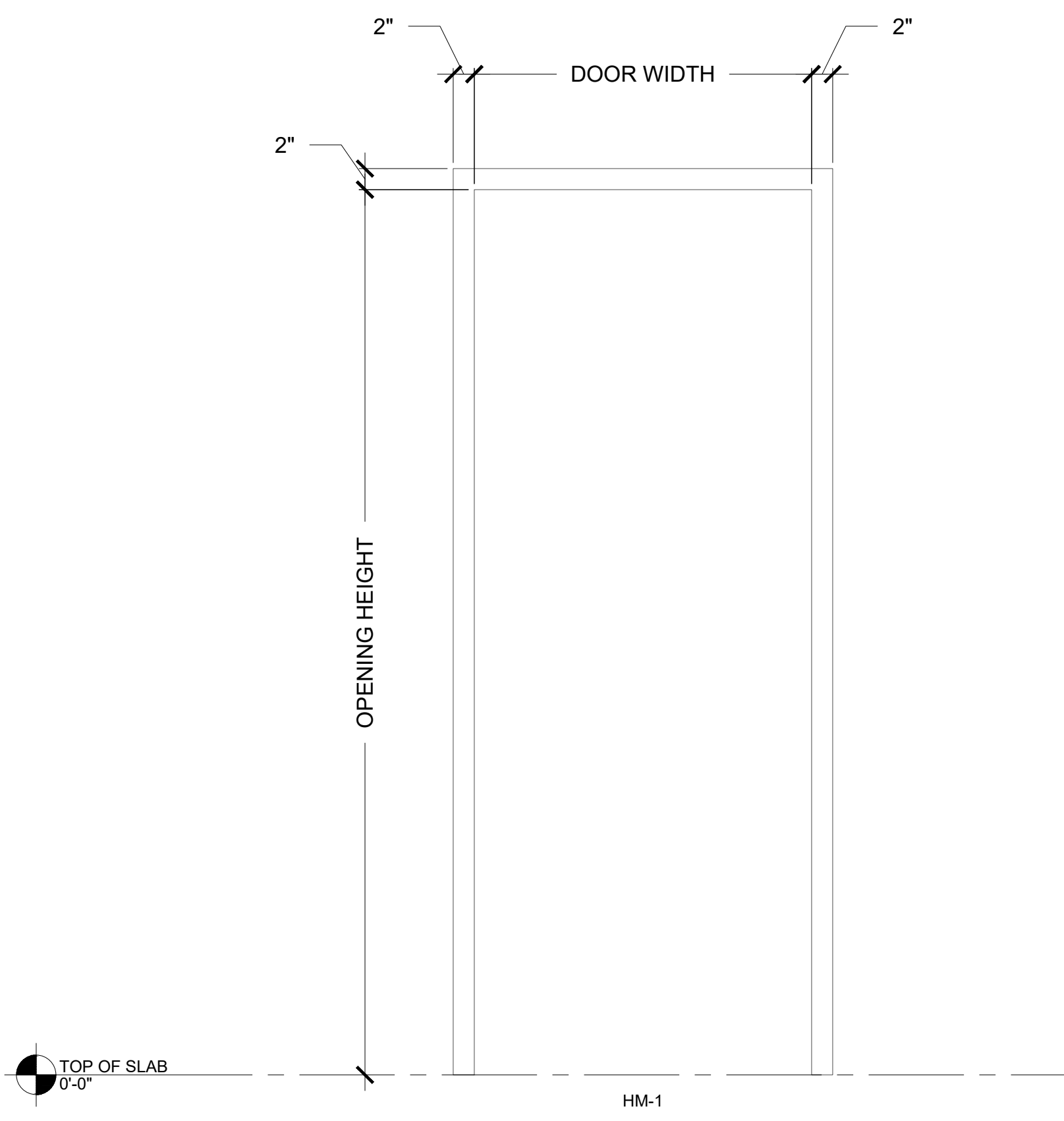
PROJECT NUMBER **24029**
 DATED 06.14.2024

A400

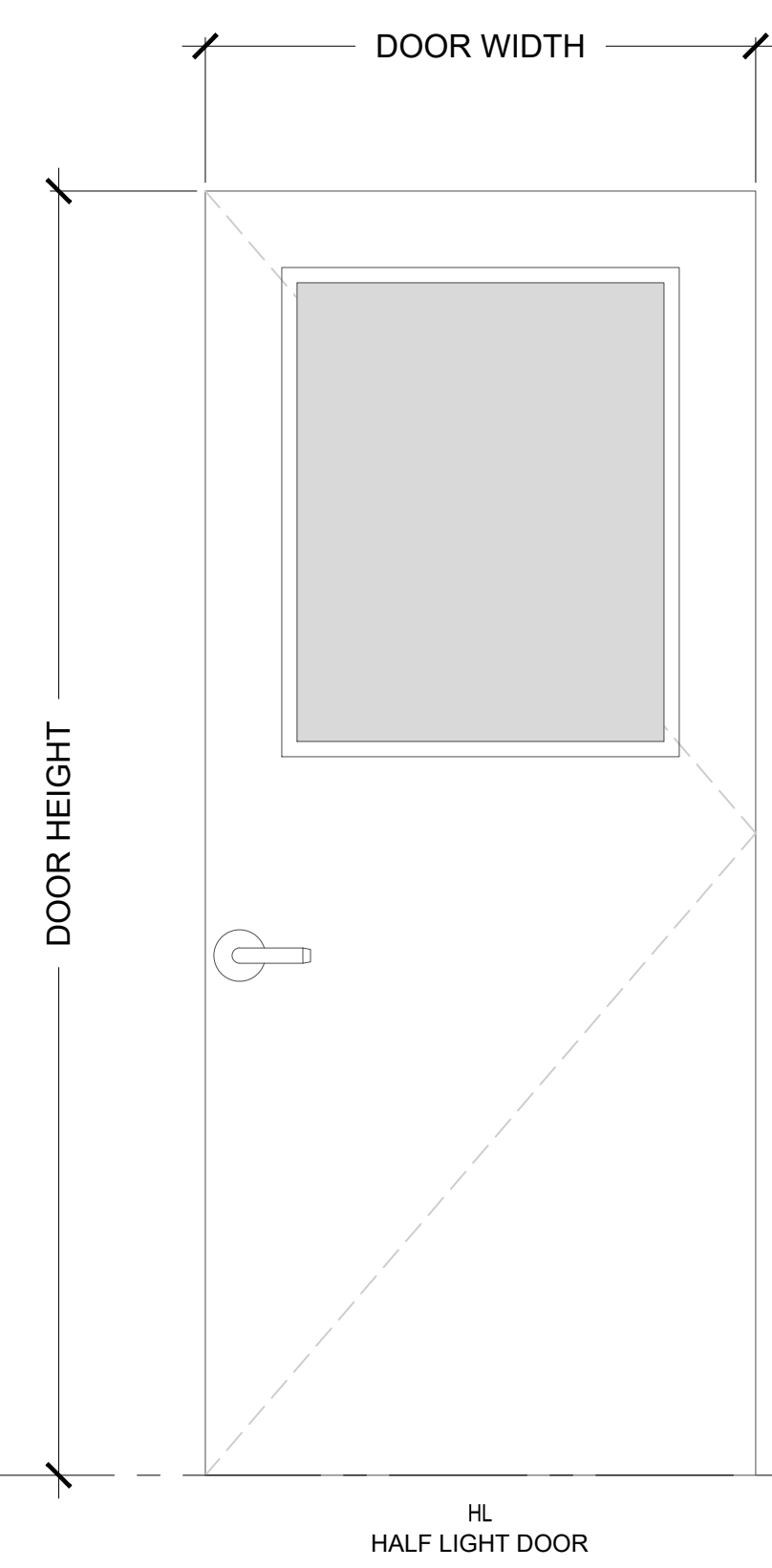
24029
 B1 Set
 June 14, 2024
 © 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.

DOOR SCHEDULE

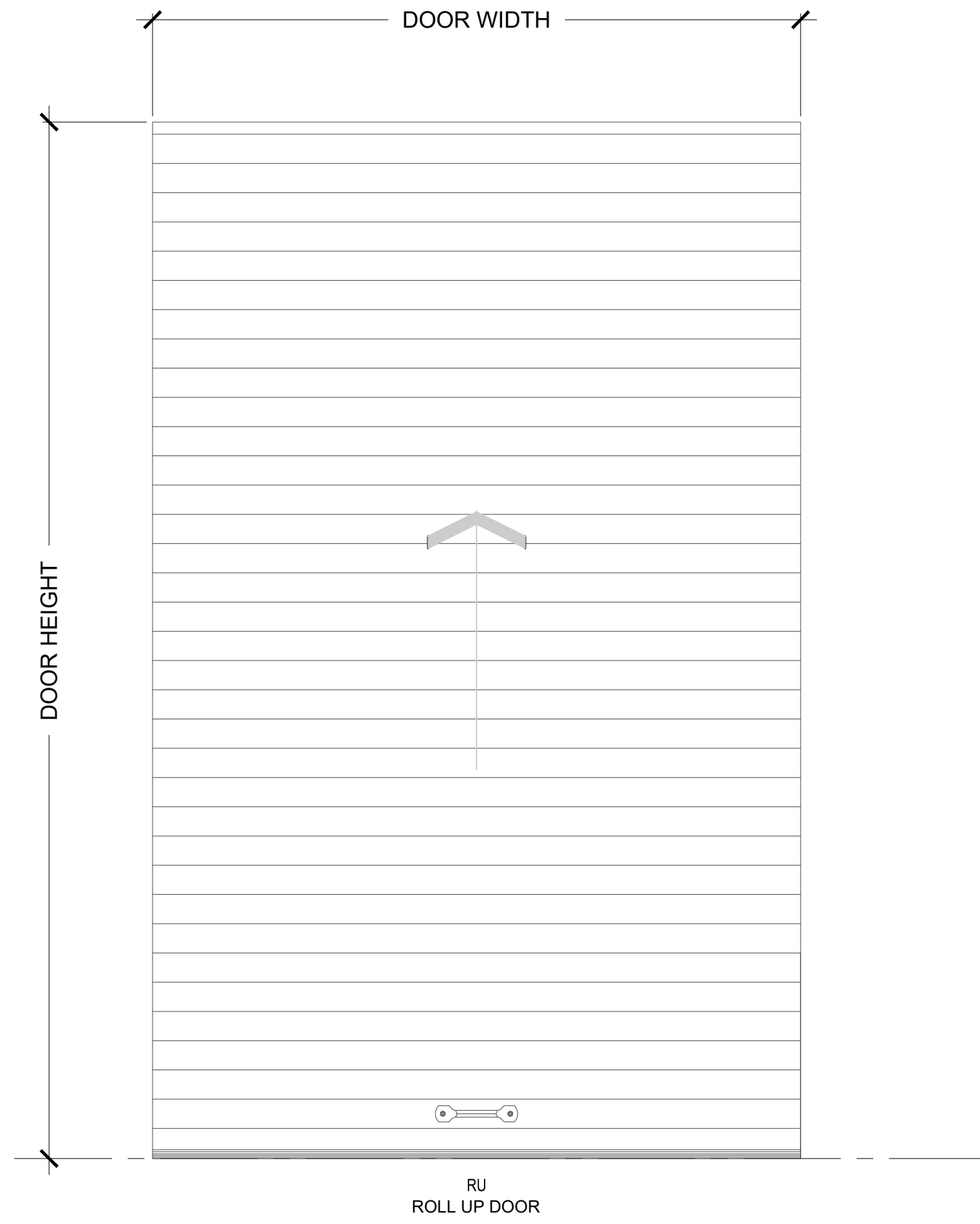
#	DOOR			FRAME			NOTES				
	MATERIAL	TYPE	SIZE	TYPE	DETAILS			FIRE RATING	IMPACT RESISTANT	HARDWARE SET	REMARKS
					HEAD	JAMB	SILL				
100	HM	HL	(2) 3'-0"X7'-0"	HM-1	C1/A400	B1/A400	A3/A400	N/A	YES	~	
100.2	AL	RU	10'-0"X10'-0"	HM-1	C1/A400	B1/A400	A3/A400	N/A	YES	~	
100.3	HM	HL	(2) 3'-0"X7'-0"	HM-1	C1/A400	B1/A400	A3/A400	N/A	YES	~	
101	HM	EX	3'-0"X7'-0"	EX	N/A	N/A	N/A	N/A	N/A	~	EXISTING DOOR TO REMAIN
102	HM	EX	3'-0"X7'-0"	EX	N/A	N/A	N/A	N/A	N/A	~	EXISTING DOOR TO REMAIN
103	HM	EX	3'-0"X7'-0"	EX	N/A	N/A	N/A	N/A	N/A	~	EXISTING DOOR TO REMAIN



FRAME TYPES



HL
HALF LIGHT DOOR



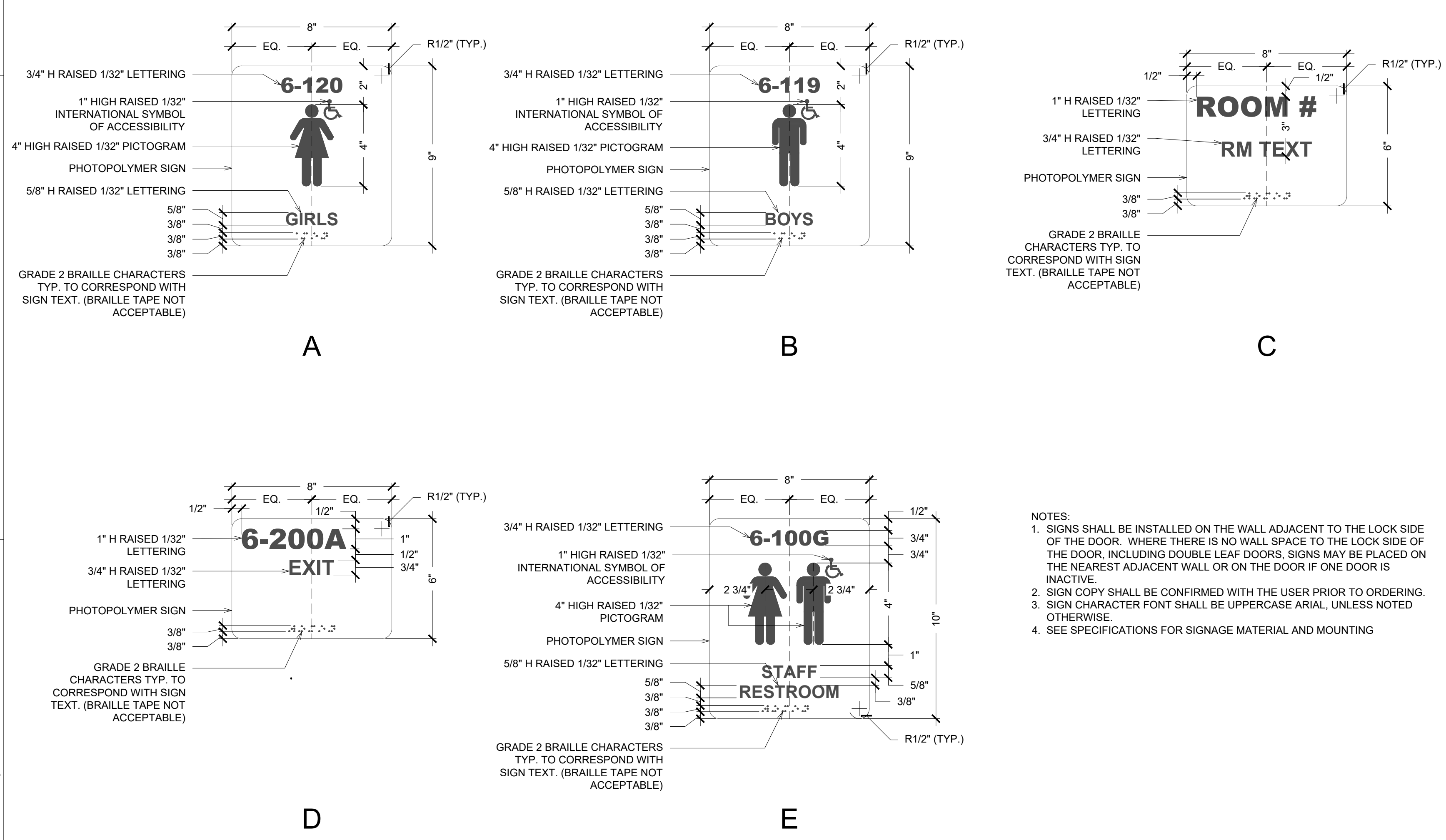
RU
ROLL UP DOOR

DOOR TYPES

- EXTERIOR DOOR & STOREFRONT NOTES**
- ALL EXTERIOR GLAZING TO BE INSULATED. CLEAR GLAZING WITH LOW-E COATING ON INNER SURFACE OF OUTBOARD LITE.
 - ALL EXTERIOR GLAZING TO COMPLY WITH U-FACTOR AND SHGC REQUIREMENTS IN TABLE 402.4 OF THE 2020 FLORIDA BUILDING CODE-ENERGY CONSERVATION.
 - ALL EXTERIOR GLAZING TO BE IMPACT RESISTANT GLASS RATED FOR LARGE AND TO HAVE FLORIDA PRODUCT APPROVAL NUMBER. MISSILE IMPACT
 - ALL ALUMINUM FRAMING TO BE PRE-FINISHED; COLOR WHITE.
- DOOR SCHEDULE GENERAL NOTES:**
- A. DOOR MATERIAL ABBREVIATIONS**
- AL = ALUMINUM STOREFRONT
 - GHM = GALVANIZED HOLLOW METAL
 - HM = HOLLOW METAL
 - IGHM = INSULATED GALV. HOLLOW METAL
 - PH = PRE-HUNG
 - STL = STEEL, GALVANIZED
 - UCD = UNDERCUT DOOR
 - WD = SOLID WOOD CORE
 - HL = HALF-LITE
- B. UNLESS NOTED OTHERWISE, WHERE GLASS OCCURS IN DOORS PROVIDE TEMPERED GLASS.**
- C. UNLESS NOTED OTHERWISE, ALL DOORS ARE 1-3/4" THICK.**
- DOOR SCHEDULE REMARKS:**
- DOOR TO BE ALARMED WITH DELAYED EGRESS FUNCTION FULLY COMPLYING WITH FBC SECTION 1008.1.9.7 DELAYED EGRESS LOCKS.
 - DOOR HAS LIMITED OVERHEAD CLEARANCE. VERIFY CLEARANCE REQUIRED FOR PROPOSED DOOR.

B1 DOOR SCHEDULE & TYPES

SCALE: 1" = 1'-0"



A1 DOOR SIGNAGE TYPES

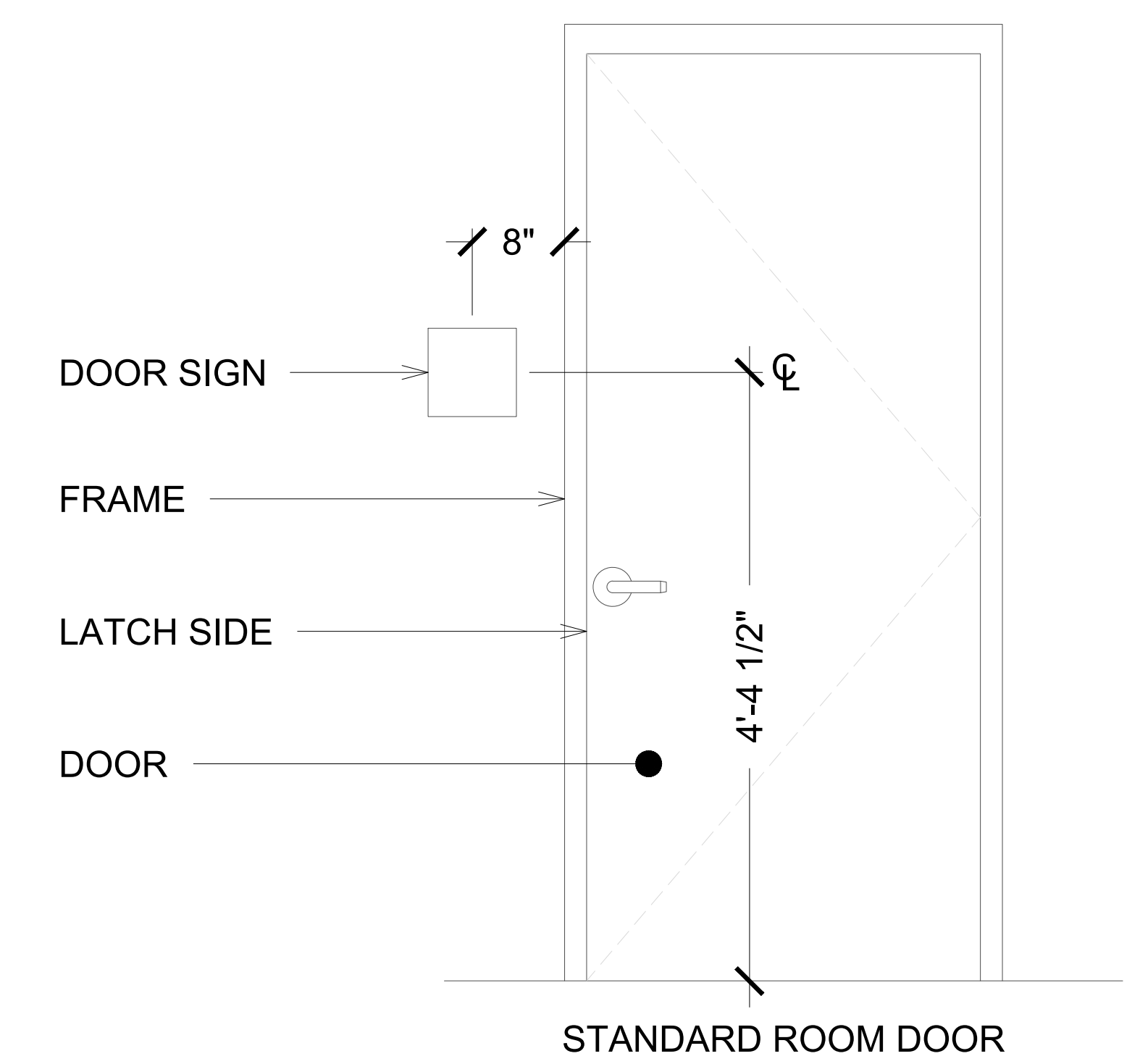
SCALE: 1/2" = 1'-0"

DOOR SIGNAGE SCHEDULE

DOOR #	ROOM NAME	SIGNAGE LABELS		REMARKS
		TYPE	SIGN TEXT	
100	GYMNASIUM	C	GYMNASIUM	ROOM # PER BAY DISTRICT SCHOOLS
100.2	GYMNASIUM	C	GYMNASIUM	ROOM # PER BAY DISTRICT SCHOOLS
100.3	GYMNASIUM	C	GYMNASIUM	ROOM # PER BAY DISTRICT SCHOOLS
101	EQUIP STORAGE	C	STORAGE	ROOM # PER BAY DISTRICT SCHOOLS
103	RESTROOM	E	RESTROOM	ROOM # PER BAY DISTRICT SCHOOLS

A2 DOOR SIGNAGE SCHEDULE

SCALE: 1" = 1'-0"



STANDARD ROOM DOOR



CONSTRUCTION DOCUMENTS

PLANS FOR
 NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE

REVISIONS:

No.	Description	Date

DOOR SCHEDULE

PROJECT NUMBER 24029
 DATED 06.14.2024

A500

LEGEND

<p>AHL-1 EQUIPMENT TAG</p> <p>1 M3 M3* DETAIL TAG (*1* INDICATES IDENTIFICATION NUMBER; *M3* INDICATES THE SHEET NUMBER DRAWN ON)</p> <p>1 SHEET NOTE</p> <p> SUPPLY DUCT SECTION POSITIVE PRESSURE</p> <p> RETURN OR EXHAUST DUCT NEGATIVE PRESSURE</p> <p> RECTANGULAR DUCT SIZE (*A* INDICATES SIDE SHOWN; *B* INDICATES SIDE NOT SHOWN)</p> <p> INDICATES RISE IN ELEVATION OF DUCT</p> <p> ROUND DUCT SIZE</p> <p> EXTERNALLY INSULATED DUCTWORK OR DUCT BOARD</p> <p> EXTERNALLY INSULATED ROUND FLEXIBLE DUCTWORK</p> <p> DUCT ELBOW WITH TURNING VANES</p> <p> RADIUS DUCT ELBOW</p> <p> FLEXIBLE DUCT CONNECTION</p> <p> MANUAL VOLUME BALANCING DAMPER</p> <p> MOTORIZED DAMPER</p> <p> FIRE DAMPER WITH ACCESS DOORS</p> <p> SMOKE DAMPER WITH ACCESS DOORS</p> <p> BACKDRAFT DAMPER</p> <p> TEE WITH TURNING VANES</p> <p> TRANSITION</p> <p> FLEX DUCT TAKE-OFF WITH MVD SIZE EQUALS DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE</p> <p> BRANCH DUCT TAKEOFF WITH MVD</p> <p> DOUBLE WALL SPIRAL DUCTWORK</p> <p> FABRIC DISPERSION DUCTWORK</p>	<p>SR-1 AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM</p> <p>(2)SR-1 AIR DEVICE TAG. TOP LINE INDICATES TYPE OF DEVICE BOTTOM LINE INDICATES AIRFLOW IN CFM (2) INDICATES TYPICAL OF TWO DEVICES</p> <p>TEMP TYPICAL TEMPERATURE</p> <p>SA SUPPLY AIR</p> <p>RA RETURN AIR</p> <p>EA EXHAUST AIR</p> <p>MA MIXED AIR</p> <p>OA OUTDOOR AIR</p> <p>TA TRANSFER AIR</p> <p>EF EXHAUST FAN</p> <p>CD CEILING DIFFUSER</p> <p>RC RETURN GRILLE</p> <p>EG EXHAUST GRILLE</p> <p>ER EXHAUST RECISTER</p> <p>CREF CEILING ROOF EXHAUST FAN</p> <p>AHU INDOOR AIR HANDLING UNIT</p> <p>BF INLINE BOOSTER FAN</p> <p>T THERMOSTAT, "1" INDICATES UNIT CONTROLLED</p> <p>S DUCT MOUNTED SMOKE DETECTOR</p> <p>FD FLOOR DRAIN</p> <p>UC UNDERCUT DOOR 3/4"</p> <p>DG DOOR GRILLE, REFER TO DOOR SCHEDULE</p> <p>AFF ABOVE FINISHED FLOOR</p> <p>FD HORIZONTAL FIRE DAMPER</p> <p>XFR TRANSFER AIR</p> <p>ESP EXTERNAL STATIC PRESSURE</p> <p>TAB TESTING, ADJUSTING AND BALANCING</p> <p>NOM NOMINAL</p> <p>VFD VARIABLE FREQUENCY DRIVE</p> <p>(F) FUTURE</p> <p>PHP PACKAGED HEAT PUMP</p> <p>EWC ELECTRIC WATER COOLER</p>
---	---

GENERAL NOTES

- ALL DUCT DIMENSIONS ARE NET INSIDE.
- VERIFY COLLAR SIZES ON ALL AIR TERMINALS, EQUIPMENT OUTLETS AND INLETS. TRANSITION DUCTWORK AS NECESSARY. EXTERNALLY INSULATE TRANSITIONS AT EQUIPMENT CONNECTIONS.
- FIELD VERIFY CLEAR SPACE AVAILABLE, ROUTING PATH, AND CONFLICTS WITH STRUCTURE AND THE WORK OF OTHER TRADES PRIOR TO FABRICATING DUCTWORK. PROVIDE OFFSETS IN DUCTWORK AS REQUIRED, WHETHER SPECIFICALLY INDICATED ON DRAWINGS OR NOT. SUBMIT SHOP DRAWINGS ON DUCTWORK LAYOUT PRIOR TO COMMENCING WORK. MAINTAIN CLEARANCE AROUND ALL LIGHT FIXTURES AS REQUIRED TO REMOVE AND SERVICE FIXTURES. COORDINATE WITH ROOF TRUSSES/STRUCTURE. PRESSURE TEST ALL NEW DUCTWORK FOR LEAKS. SEE SPECIFICATIONS.
- CONTRACTOR SHALL INSTALL ALL EQUIPMENT, PIPING, AND DUCTWORK SUCH THAT MANUFACTURERS' RECOMMENDED CLEARANCES ARE MET FOR ALL ACCESS PANELS, MOTORS, FANS, BELTS, FILTERS AND AIR INTAKES. CONDENSATE LINES SHALL BE CLEAR OF FILTER RACK ACCESS.
- PROVIDE DUCT FLEX CONNECTIONS & VIBRATION ISOLATION FOR ALL UNITS NOT INTERNALLY ISOLATED.
- ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR INTAKE DUCTWORK SHALL BE GALVANIZED SHEET METAL.
- ALL AHU AND OAU FILTERS SHALL BE OF A READILY AVAILABLE SIZE, OF DISPOSABLE TYPE, AND BE ACCESSIBLE WITHOUT THE USE OF SCREWS OR OTHER MECHANICAL DEVICES REQUIRING TOOLS.
- PROVIDE ACCESS PANELS IN CEILING AS REQUIRED FOR MAINTENANCE AND ADJUSTMENT OF EQUIPMENT LOCATED ABOVE CEILING. COORDINATE ALL SIZES AND LOCATIONS WITH ARCHITECT DURING SUBMITTALS. PROVIDE PLANS IF REQUIRED BY ARCHITECT.
- CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING LOCATION OF ALL EQUIPMENT AND UTILITIES.
- CONTRACTOR SHALL SUBMIT COORDINATED DUCTWORK SHOP DRAWINGS INDICATING COORDINATION WITH ELECTRICAL, PLUMBING, AND FIRE PROTECTION, PRIOR TO BEGINNING WORK. SHOP DRAWINGS SHALL INCLUDE LOCATIONS OF THERMOSTATS, ACCESS PANELS, AIR DEVICES, DUCTWORK, ETC.
- ALL WORK SHALL COMPLY WITH EIGHTH EDITION OF FLORIDA BUILDING CODE (2023).

DUCTWORK NOTES

- ALL ROUND FLEXIBLE DUCT SHALL BE FLEXMASTER TYPE RM ACOUSTICAL FLEX OR ENGINEER APPROVED EQUAL. MAXIMUM LENGTH OF ANY FLEXIBLE DUCT RUNOUT SHALL BE 5'-0". WHERE LENGTH REQUIRED EXCEEDS 5'-0", INSTALL EXTERNALLY INSULATED ROUND SNAPLOCK DUCT FOR BALANCE OF DISTANCE TO SPIN-IN TAP AT MAIN DUCT TRUNK.
- SEAL ALL DUCT PENETRATIONS OF WALLS AND FLOORS AIRTIGHT, REGARDLESS OF WHETHER WALLS OR FLOORS ARE FIRE RATED OR NOT.
- ALL SUPPLY AIR DUCTWORK FROM AHU'S (EXCEPT TAKEOFFS TO SUPPLY AIR DIFFUSERS) SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED UNLESS OTHERWISE INDICATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- ALL RETURN AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED UNLESS OTHERWISE INDICATED. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- ALL OUTSIDE AIR INTAKE DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED SHEET METAL. DUCT SIZES INDICATED ARE INSIDE CLEAR DIMENSIONS.
- STANDARD EXHAUST AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 1/2" W.G., SEAL CLASS A, SHEET METAL.
- WHEN ROUTING DUCTWORK OVER LIGHTS, PROVIDE A MINIMUM 6" CLEARANCE BETWEEN DUCT AND LIGHTS.

AIR DEVICE SCHEDULE

MARK	MAX AIRFLOW CFM	AIR DEVICE SIZE	DUCT CONNECTION SIZE	TITUS MODEL
CD-1 CFM	90	9X9	6Ø	TDC
CD-2 CFM	245	12X12	8Ø	TDC
RC, EG, SG, TC, RR, ER				
XX-1 CFM	450	12X12	12X12	350FL
XX-2 CFM	1705	22X22	22X22	350FL
XX-3 CFM	3800	48X24	48X24	350FL

- MAX NC=20
- PROVIDE 2X2 LAY-IN PANEL FOR AIR DEVICES IN LAY-IN CEILING
- PROVIDE BEVELED MOUNTING FRAME FOR CEILING DIFFUSERS IN HARD CEILING
- PROVIDE FLAT MOUNTING FRAME FOR GRILLES LOCATED IN HARD CEILING

VENTILATION SCHEDULE

SPACE TYPE	VENTILATION CFM/F.S.F.	VENTILATION CFM/PERSON	EXHAUST CFM
MULTIUSE ASSEMBLY	0.06	7.5	-
STORAGE	0.06	5.0	-
OFFICE	0.06	5.0	-
RESTROOM - INTERMITTENT	0	0	70/FIXTURE

NOTE: VENTILATION AIR HAS BEEN CALCULATED IN COMPLIANCE WITH ASHRAE STANDARD 62.1-2019.

PACKAGED HEAT PUMP SCHEDULE

UNIT PHP	BASIS OF DESIGN	MODEL	CONFIGURATION	SA (CFM)	OA (CFM)	ESP (IN H2O)	FAN (HP)	COOLING			HEATING			COP	SUPPLY HEAT	PHP ELECTRICAL			WEIGHT	NOTES		
								MAT° (DB/WB)	OAT° (DB/WB)	TOTAL (BTUH)	SENSIBLE (BTUH)	SEER	EAT ° (DB)			OAT ° (DB)	TOTAL (BTUH)	VOLTS/PHASE			MCA	MOP
1	TRANE	WS150	HORIZONTAL	3495	550	0.59	2.9	75.7/64.8	95/77	119900	82200	13.5	62.6	25	79200	3.3	184W	208/3	119	125	2086	1, 2, 3, 4, 5, 6, 7, 8, 9, 10

- PROVIDE 2" 30% FILTERS AND FILTER HOUSING SHOWN IN DETAILS.
- EFFICIENCIES IN ACCORDANCE WITH ARI STANDARD 210/240.
- ESP DOES NOT INCLUDE FILTER, CASING, ETC.
- PROVIDE CONTROL KIT TO INCLUDE BLOWER CONTACTOR OR STARTER, TRANSFORMER, ELECTRIC HEATER INTERLOCKS. ELECTRICAL SERVICE SHALL BE A SINGLE POINT OF CONNECTION.
- PROVIDE THERMAL EXPANSION VALVES.
- DIRECT DRIVE FAN.
- COOLING CAPACITY IS NET AND DOES NOT INCLUDE FAN HEAT.
- PROVIDE POWERED 120V CONVENIENCE OUTLET.
- PROVIDE MERV 13 FILTERS.
- UNIT SHALL BE INTERLOCKED WITH ROLLUP DOORS. IF ANY ROLLUP DOOR IS OPEN FOR TEN MINUTES OR LONGER, UNIT SHALL SHUT OFF.

PLUMBING SPECIFICATIONS

EWC-1 ELECTRIC WATER COOLER (DUAL PURPOSE/TWO LEVELS/BOTTLE STATION):

WALL MOUNT, DUAL-PURPOSE UNIT, SELF-CONTAINED ELECTRIC WATER COOLER WITH SENSOR-ACTIVATED BOTTLE FILLING STATION. FURNISH FLOOR MOUNTED TWO LEVELS DOUBLE CARRIER WITH BEARING PLATE, HANGAR PLATE, ADJUSTABLE SUPPORTING RODS, STRUCTURAL UPRIGHTS AND BLOCK BASES. SECURE TO FLOOR WITH 1/2" BOLTS AND ANCHORS. UNIT TO BE COMPLETE WITH HERMETIC AIR-COOLED REFRIGERATION SYSTEM, COOLER PRE-COOLER, THERMOSTAT, SAFETY CONTROLS, CONDENSER FAN MOTOR, SILVER ION ANTIMICROBIAL PROTECTION ON KEY PLASTIC COMPONENTS, FLEXI-GUARD SAFETY BUBBLER, VERMIN PROOF INSULATION, HEAVY GAUGE STEEL CABINET, MOISTURE RESISTANT FINISH, QUIET OPERATION. TOP OF COOLER SHALL BE NO. 3 SATIN FINISH STAINLESS STEEL. COOLER CAPACITY SHALL BE 8.0 GPH. LAMINAR FLOW, VISUAL FILTER MONITOR, COOLING 80-DEGREE F WATER TO 50 DEGREE F. PROVIDE ONE-YEAR WARRANTY ON ENTIRE COOLER. PROVIDE CHROME PLATED STOP TO WALL WITH CHROME PLATED 3/8" FLEXIBLE SUPPLY. PROVIDE 1-1/2" CHROME PLATED 1/2" GAUGE CAST BRASS P-TRAP WITH CLEANOUT. CHROME PLATED LOOSE KEY ANGLE STOP TO WALL WITH 3/8" CHROME PLATED FLEXIBLE HOT AND COLD WATER SUPPLIES. 115V/60HZ, SINGLE PHASE, 5 FULL LOAD AMPS, 370 RATED WATTS, HERMETICALLY-SEALED RECIPROCATING COMPRESSOR. VERIFY FINAL LOCATION AND MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. FINISH TO BE SELECTED BY ARCHITECT. CERTIFIED TO NSF/ANSI 42, 33, 61, & 372. UL 399 REQUIREMENTS.

EDF	ELKAY LZSLBWSPP
TRAP	ZURN Z-8702-PC
SUPPLIES	ZURN Z-88001K
CARRIER	Z1225 BL



DAG ARCHITECTS AR0006894
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1871
www.DAGarchitects.com

100% REVIEW DOCUMENTS

NOT FOR CONSTRUCTION

PLANS FOR
NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE
 3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

No.	Description	Date

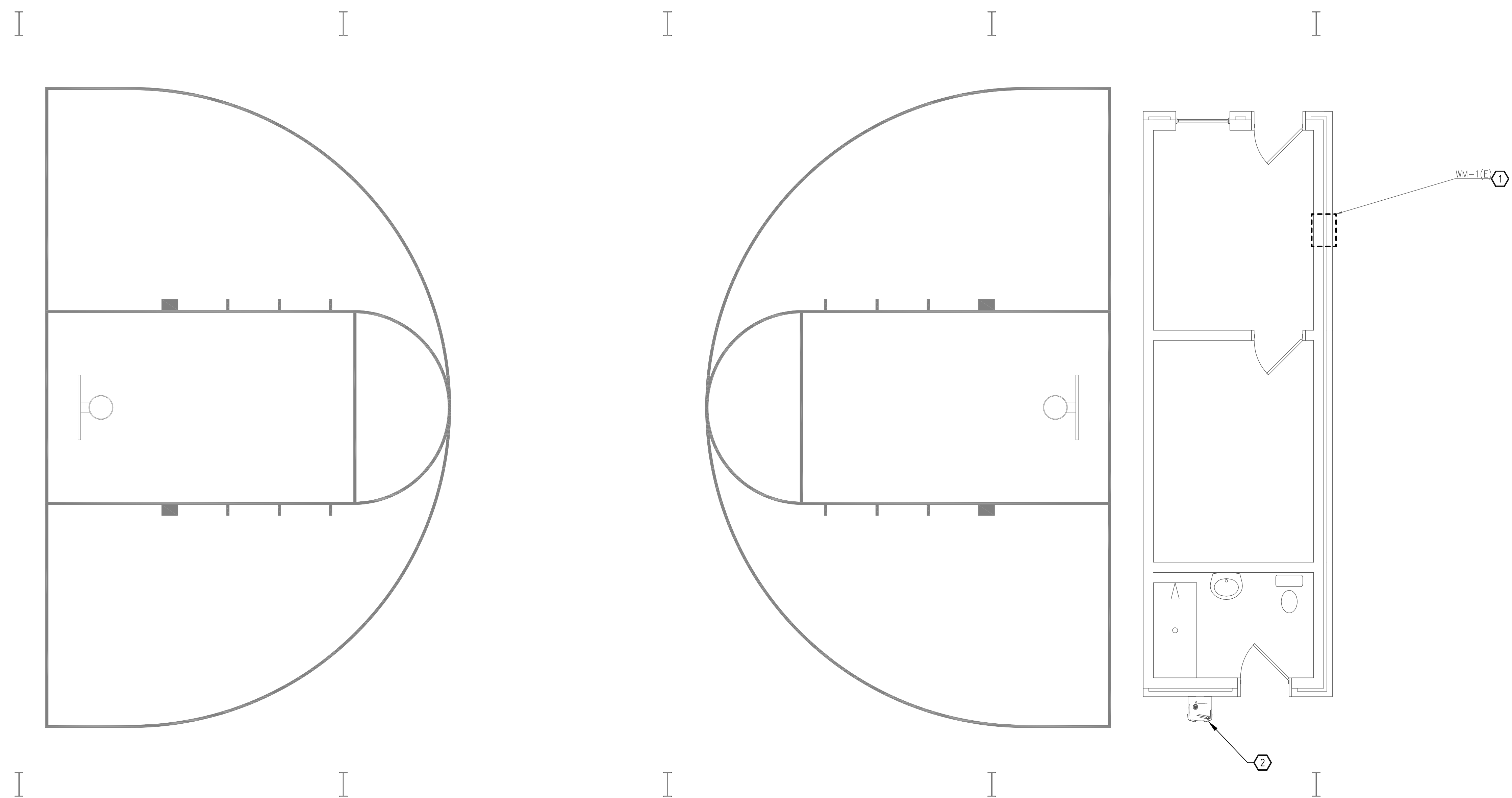
HVAC AND PLUMBING LEGEND, SCHEDULE, DETAILS, AND NOTES

PROJECT NUMBER	24012
DATED	04.19.2024



Florida CA Number: 27625
Florida License No.: 08437
002.528.2487
Project Number: 2024-028
Checked By: RJA
Drawn By: JFG
4612 Citron Street Maitland, Florida 32751
311 N. College St. Office 1018 Auburn, AL 36801

23000 Progress Print August 19th, 2025
© 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.



SHEET NOTES

- ① REMOVE EXISTING THRU-WALL UNIT AND ALL RELATED CONTROLS. REFER TO ARCHITECTURAL PLANS FOR WALL REPAIR.
- ② REMOVE EXISTING DRINKING FOUNTAIN, SANITARY, VENT, AND DOMESTIC WATER PIPING. SHALL REMAIN FOR NEW WATER COOLER. REFER TO NEW WORK.

DAG
ARCHITECTS
DAG Architects AR0009694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1871
www.DAGarchitects.com

100% REVIEW DOCUMENTS

NOT FOR CONSTRUCTION

PLANS FOR
**NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE**
3200 Minnesota Ave., Panama City, FL 32405

 **HVAC AND PLUMBING DEMOLITION PLAN**
SCALE: 1/4" = 1'-0"

REVISIONS:

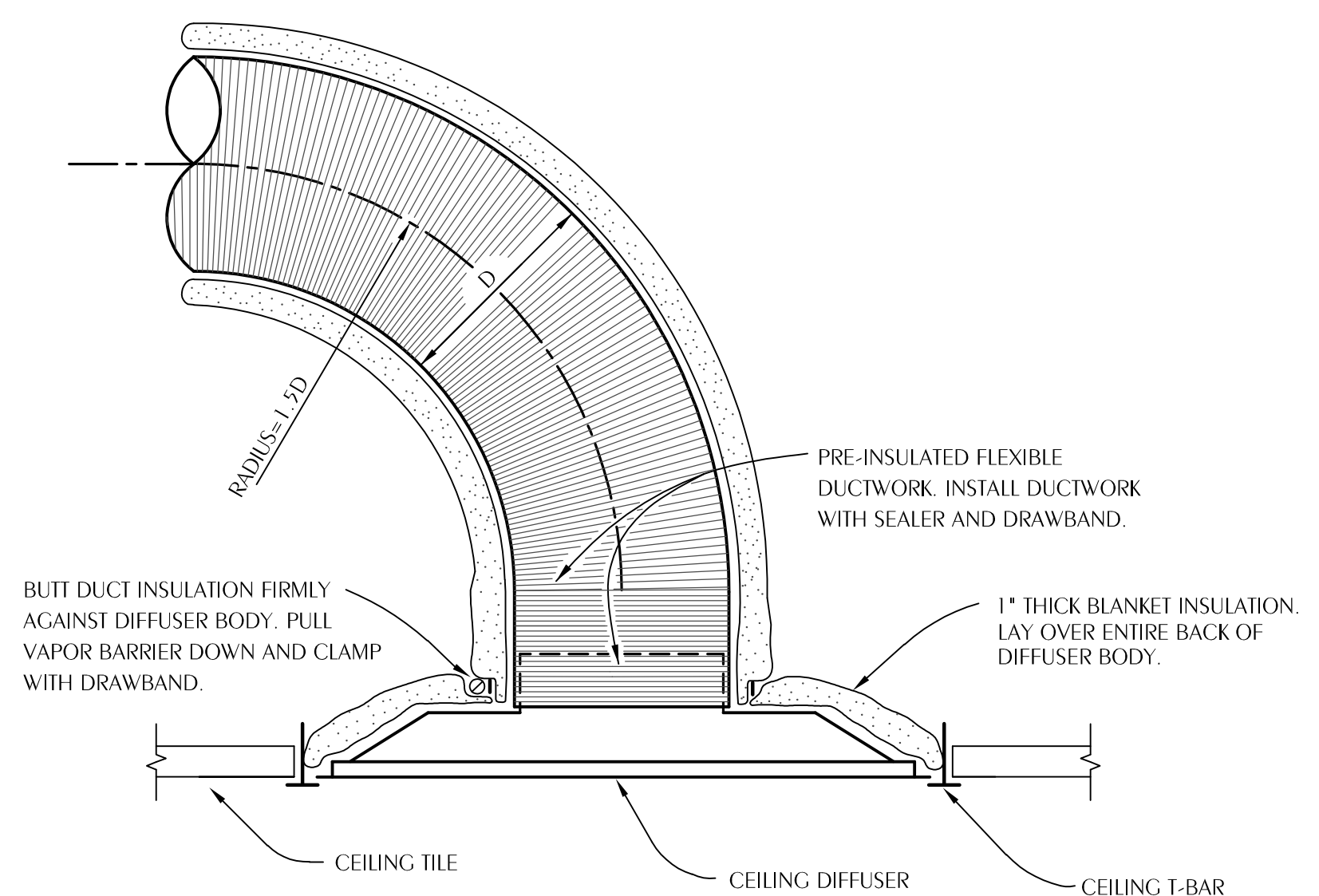
No.	Description	Date

HVAC AND PLUMBING DEMOLITION PLAN

**WATFORD ENGINEERING**
Florida CA Number: 27825
Ralph A. Johnson, P.E.
Florida License Number: 66457
905.525.2447
Project Number: 2024-026
Checked By: KAJ
Drawn By: JFG
4612 Clinton Street Marietta, Florida 32448
311 N. College St. Office 1018 Auburn, AL 36830

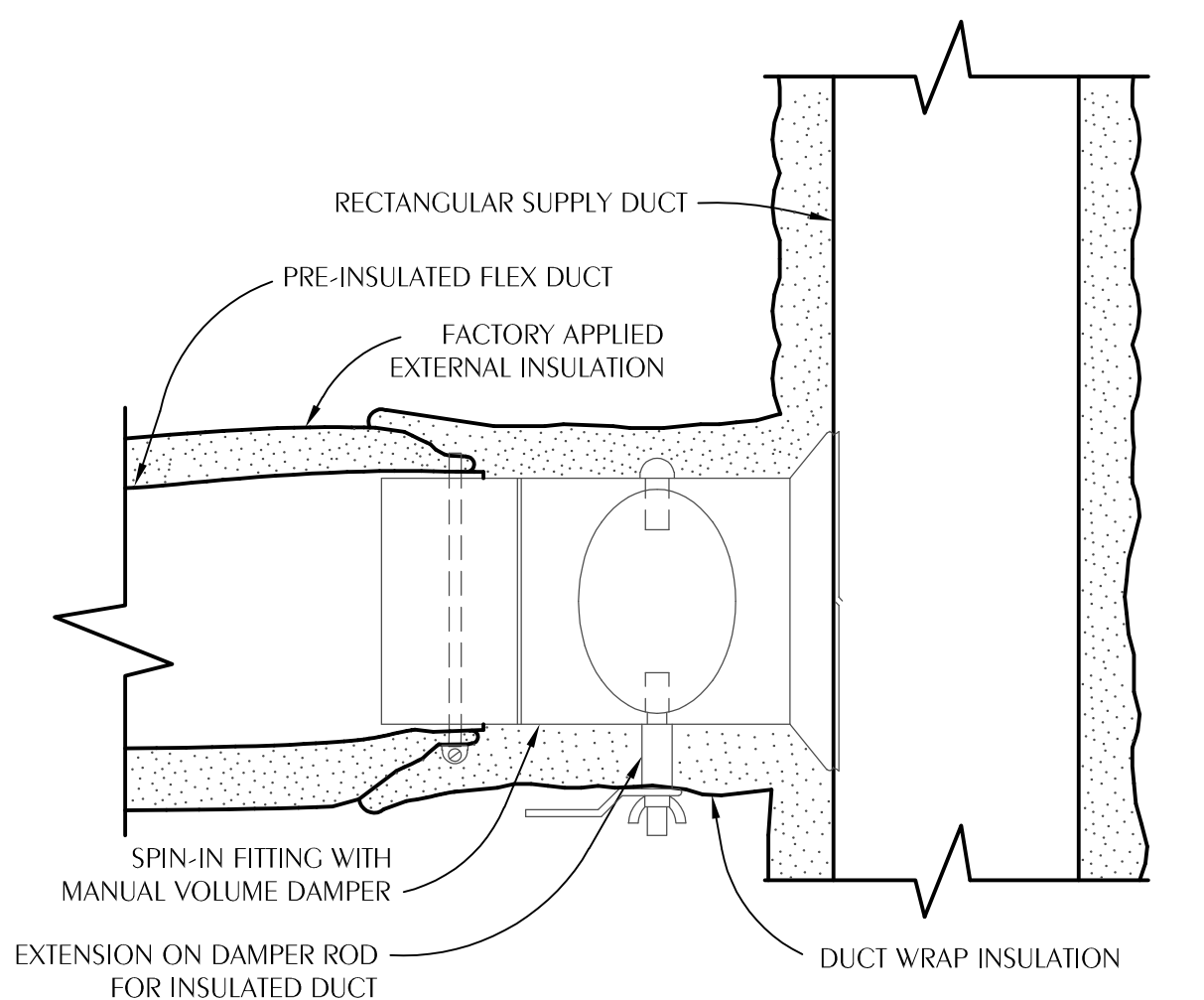
PROJECT NUMBER **24012**
DATED **04.19.2024**

M101



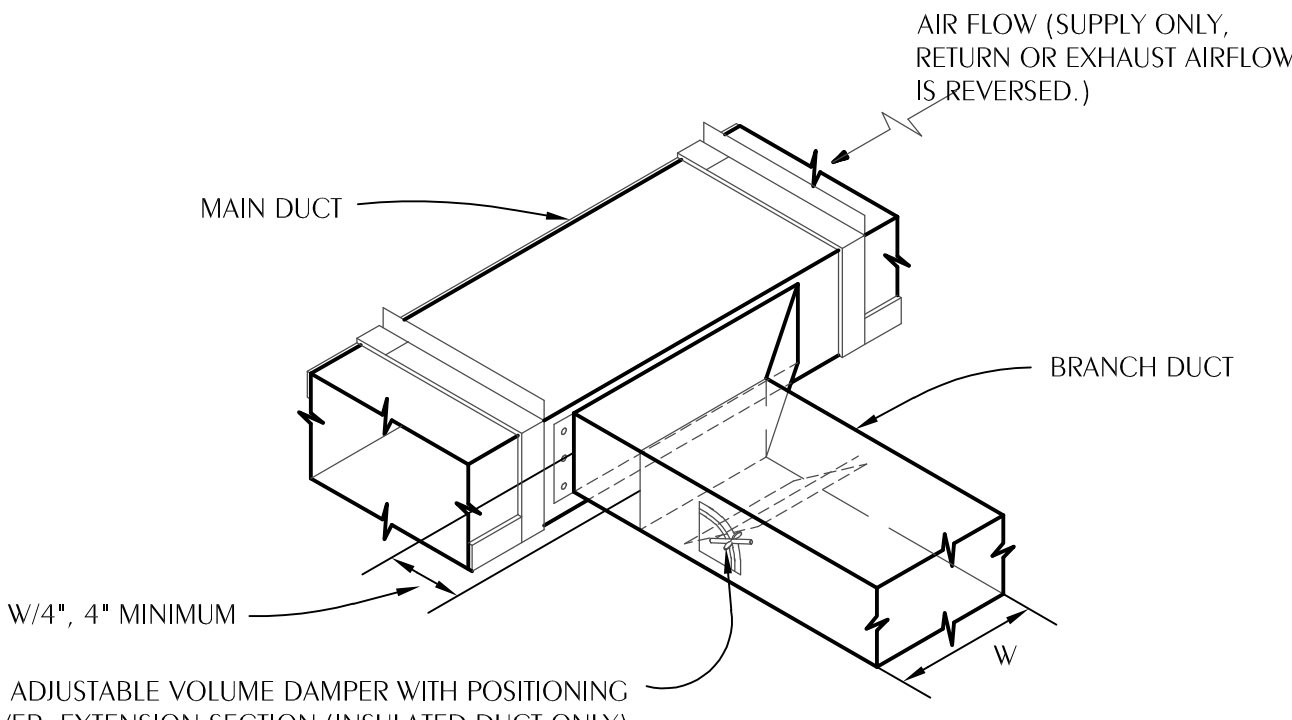
NOTES:
FLEX DUCT SHALL BE NO LONGER THAN 5'-0". FLEXIBLE DUCT SHALL HAVE REINFORCED, METALIZED POLYESTER JACKET WITH NO FIBERGLASS EROSION IN THE AIRSTREAM AND AN ENCAPSULATED WIRE HELIX. FLEX DUCT SHALL HAVE OPERATING PRESSURE OF 4" W.G. AND NEGATIVE OPERATING PRESSURE OF 0.73" W.G. FLEX DUCT SHALL HAVE R-VALUE OF R-6 AND MEET REQUIREMENTS OF UL-181, 2023 FLORIDA ENERGY CODE, NFPA 90A AND NFPA 90B. ATCO 36 OR APPROVED EQUAL.
PROVIDE 24x24 LAY IN PANEL FOR DIFFUSERS IN LAY IN CEILINGS.
PROVIDE BEVELED MOUNTING FRAME FOR DIFFUSERS IN HARD CEILINGS.

1 TYPICAL FLEX DUCT TAKEOFF DETAIL
M301 SCALE: NONE



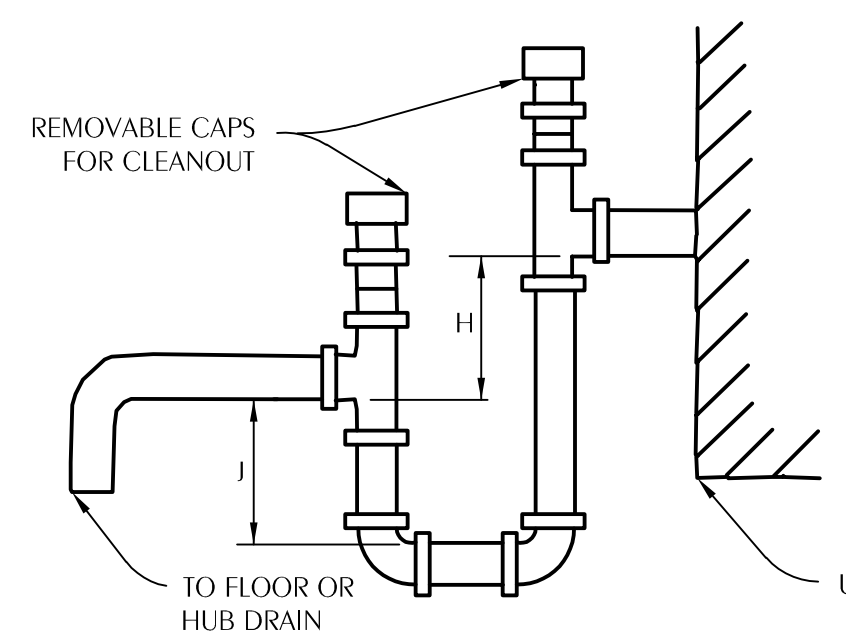
NOTES:
CONNECT FLEXIBLE DUCT TO FITTING WITH DRAWBAND AND SEALER.
ROUND HARD DUCT RUNOUTS SHOULD START WITH SPIN-IN FITTINGS SIMILAR TO THIS DETAIL.
PROVIDE CABLE ACTIVATED DAMPER WITH ADJUSTMENT IN FACE OF CEILING DIFFUSER FOR INACCESSIBLE TAKEOFFS.
FLEXIBLE INSULATION SHALL BE 2" THICK, ASIM C553, TYPE 1, CLASS B-3 WITH 1 PCF DENSITY AND UL RATED ALUMINUM FOIL VAPOR BARRIER (FSK).

2 TYPICAL FLEX DUCT TAKEOFF DETAIL
M301 SCALE: NONE



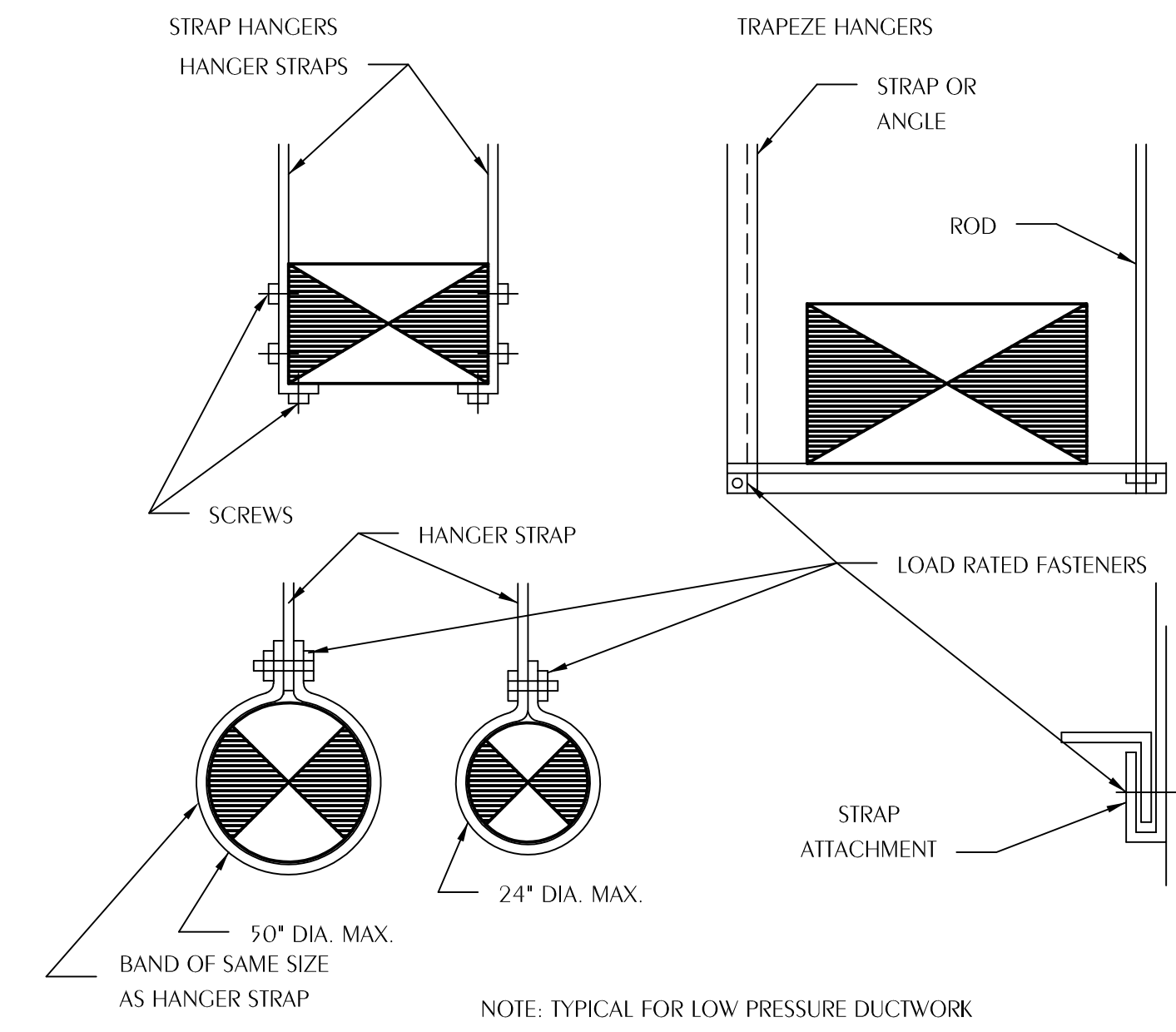
NOTES:
PROVIDE CABLE ACTIVATED DAMPER WITH ADJUSTMENT IN FACE OF AIR DEVICE FOR INACCESSIBLE TAKEOFFS LOCATED ABOVE HARD CEILINGS.
FLEXIBLE INSULATION SHALL BE 2" THICK, ASIM C553, TYPE 1, CLASS B-3 WITH 1 PCF DENSITY AND UL RATED ALUMINUM FOIL VAPOR BARRIER (FSK).

3 TYPICAL BRANCH DUCT TAKEOFF
M301 SCALE: NONE

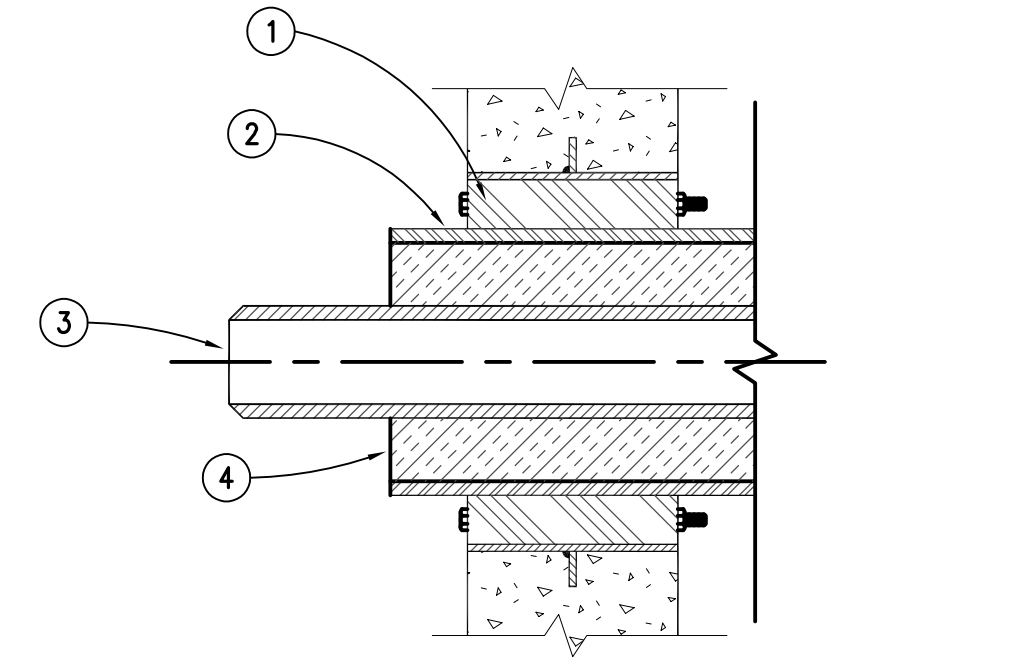


NOTES:
PIPE TYPE 1\"/>

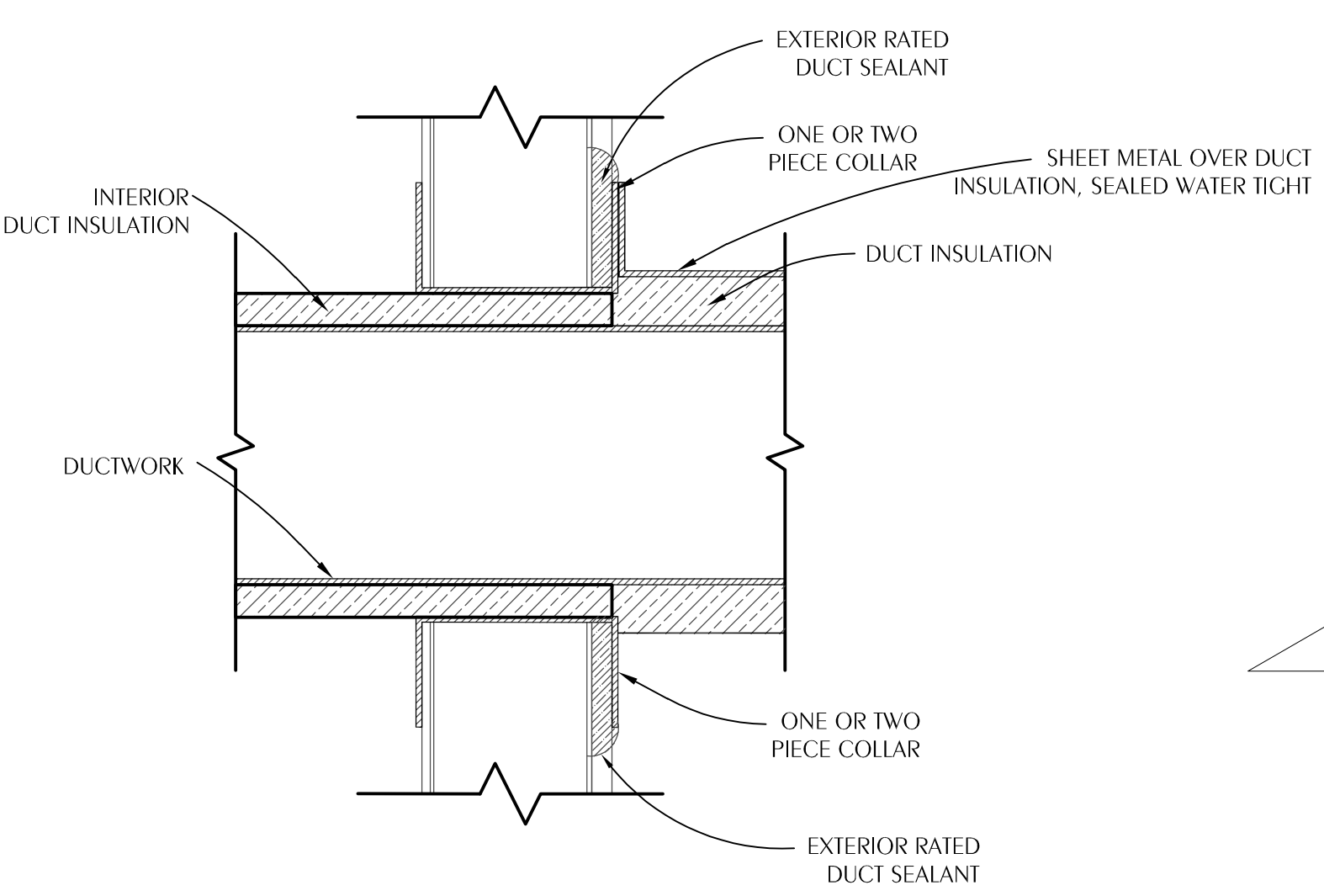
4 NEGATIVE PRESSURE CONDENSATE DRAIN TRAP
M301 SCALE: NONE



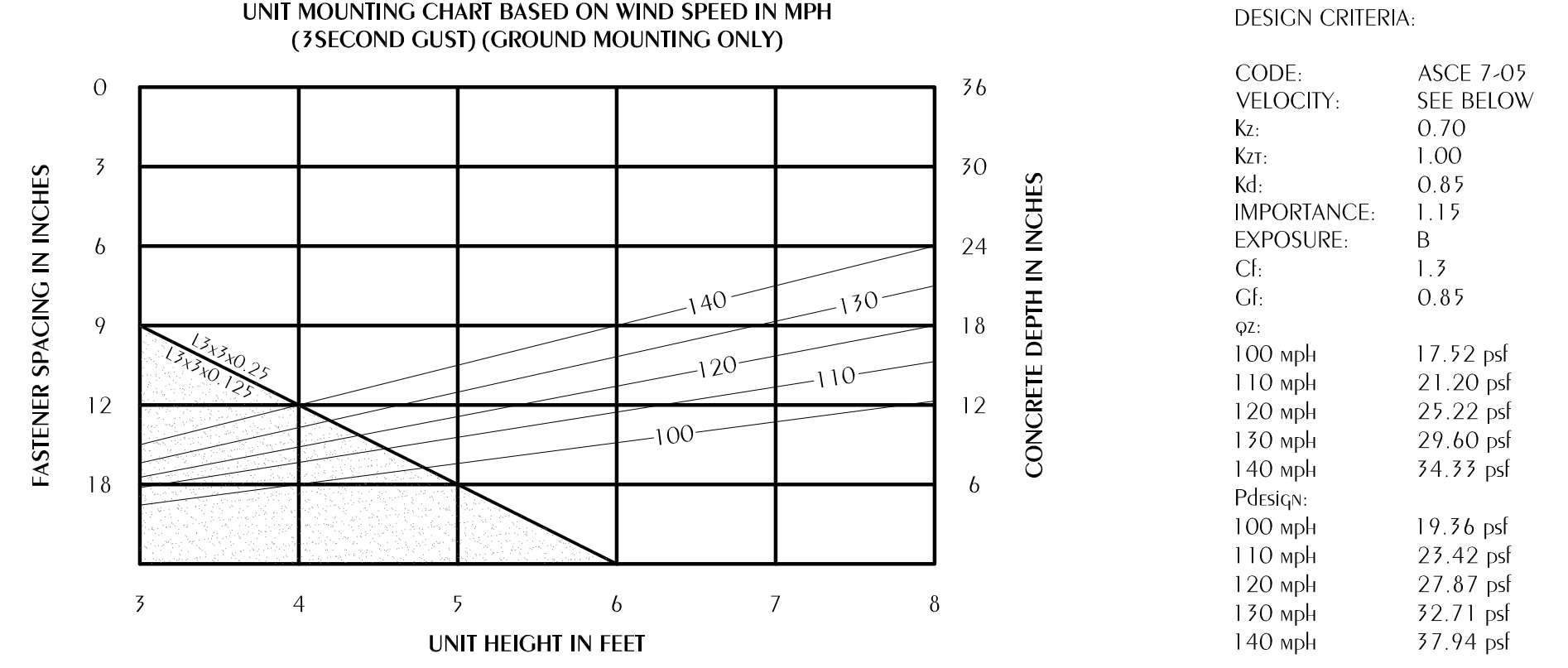
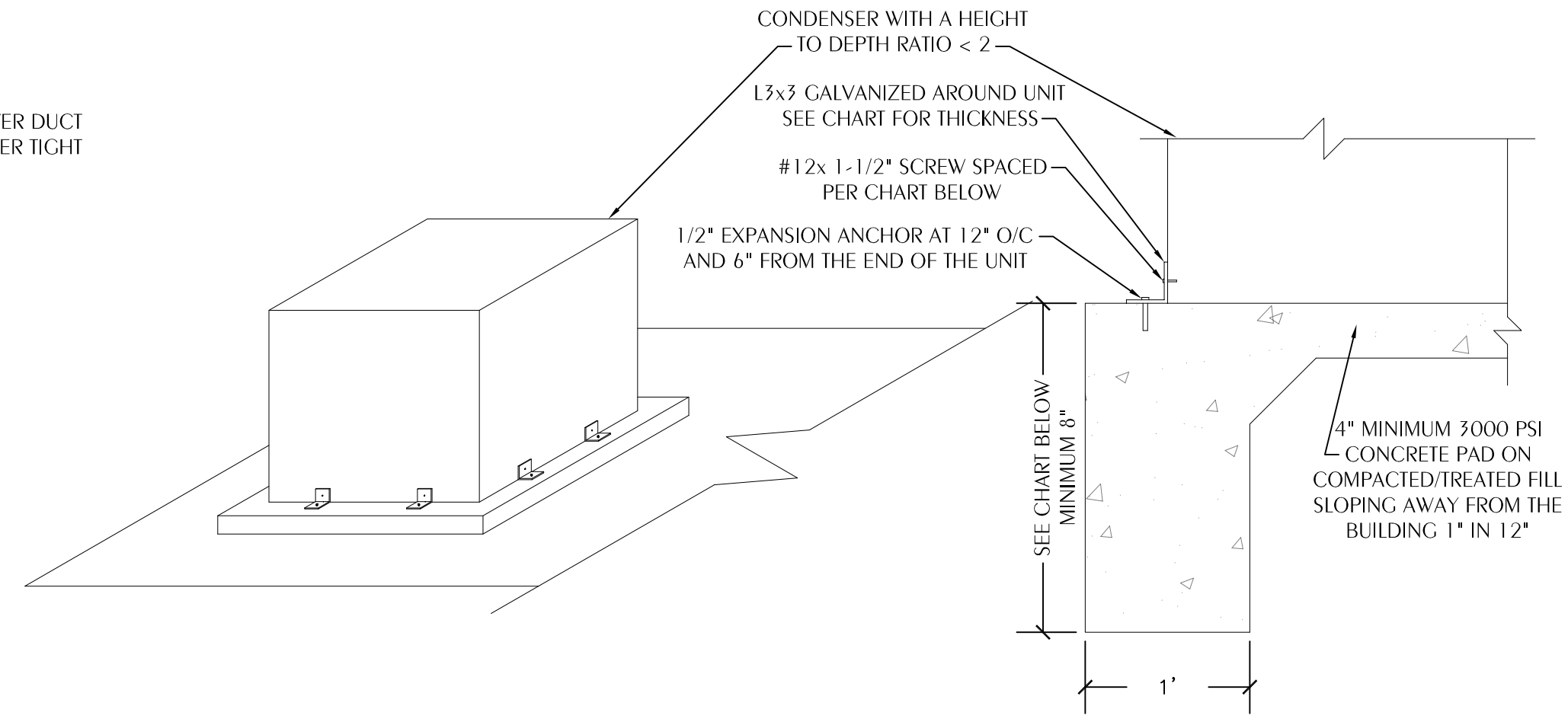
5 DUCT HANGER DETAILS
M301 SCALE: NONE



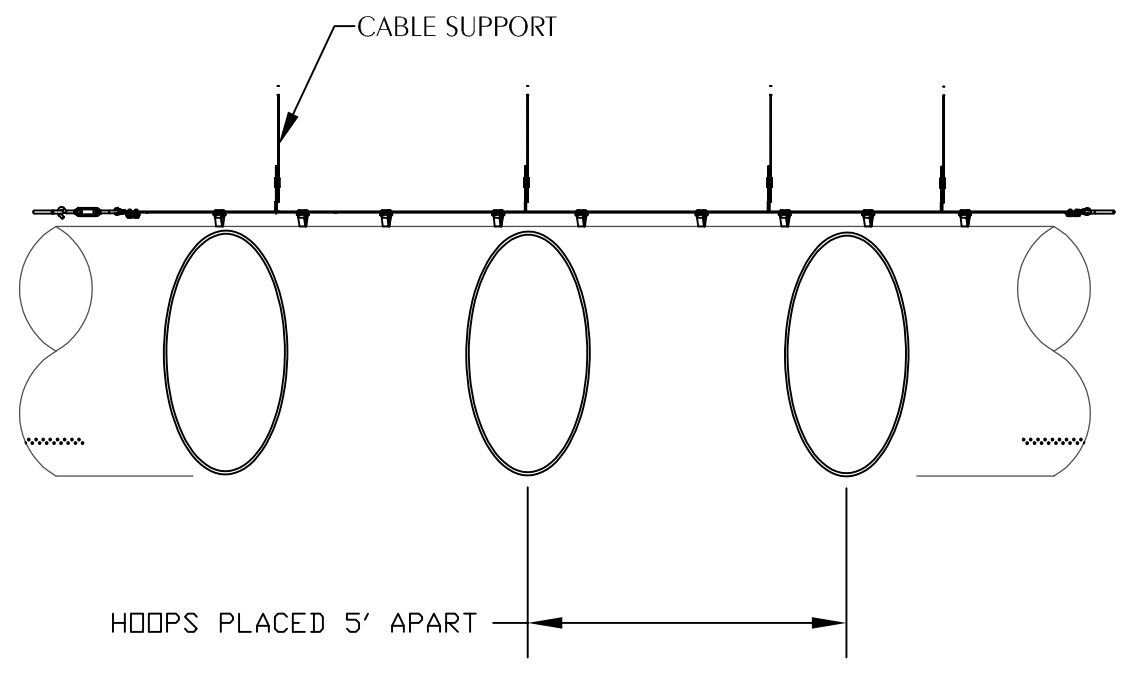
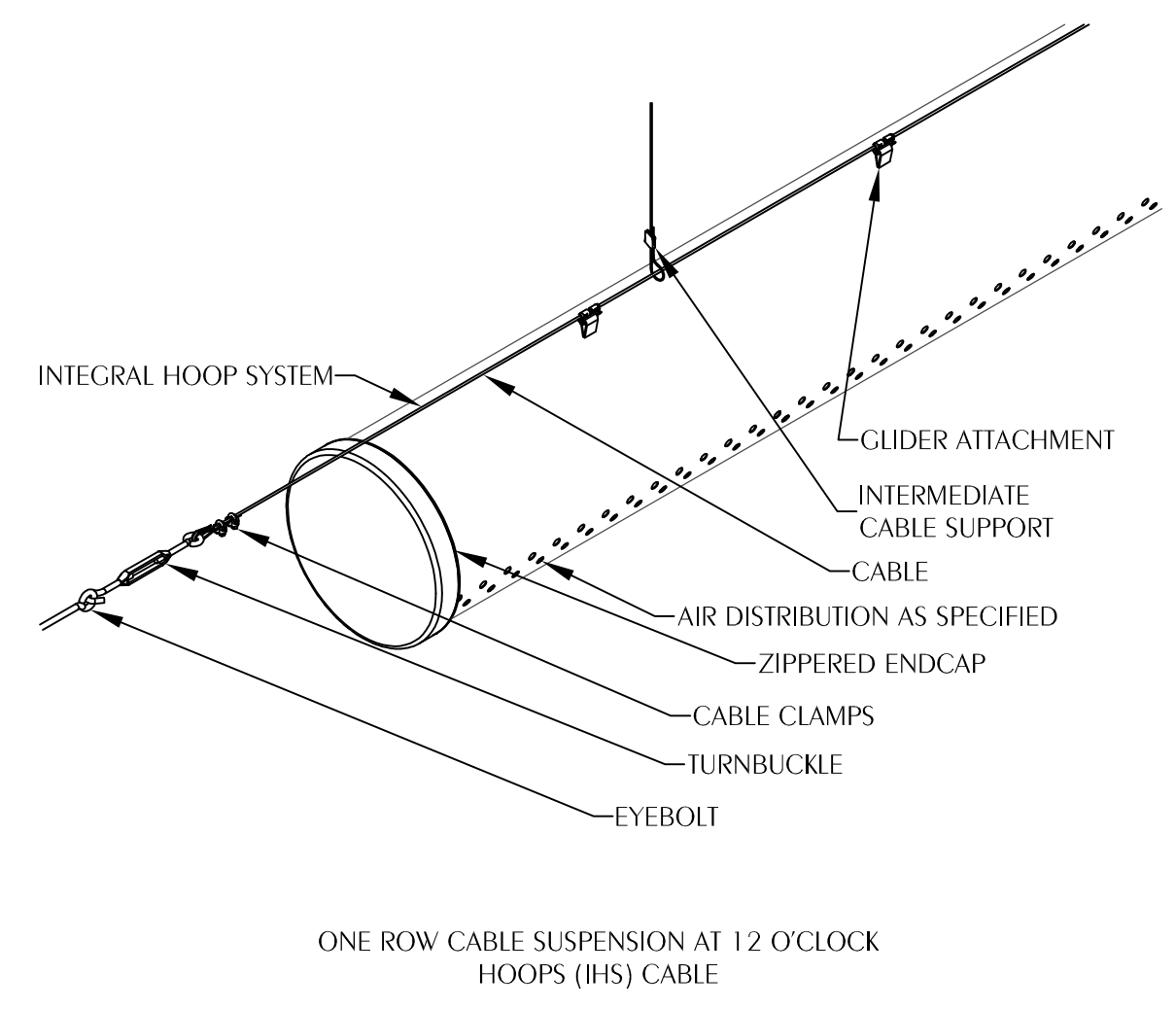
6 TYPICAL WALL PIPE PENETRATION
M301 SCALE: NONE



7 DUCTWORK THROUGH WALL DETAIL
M301 SCALE: NONE

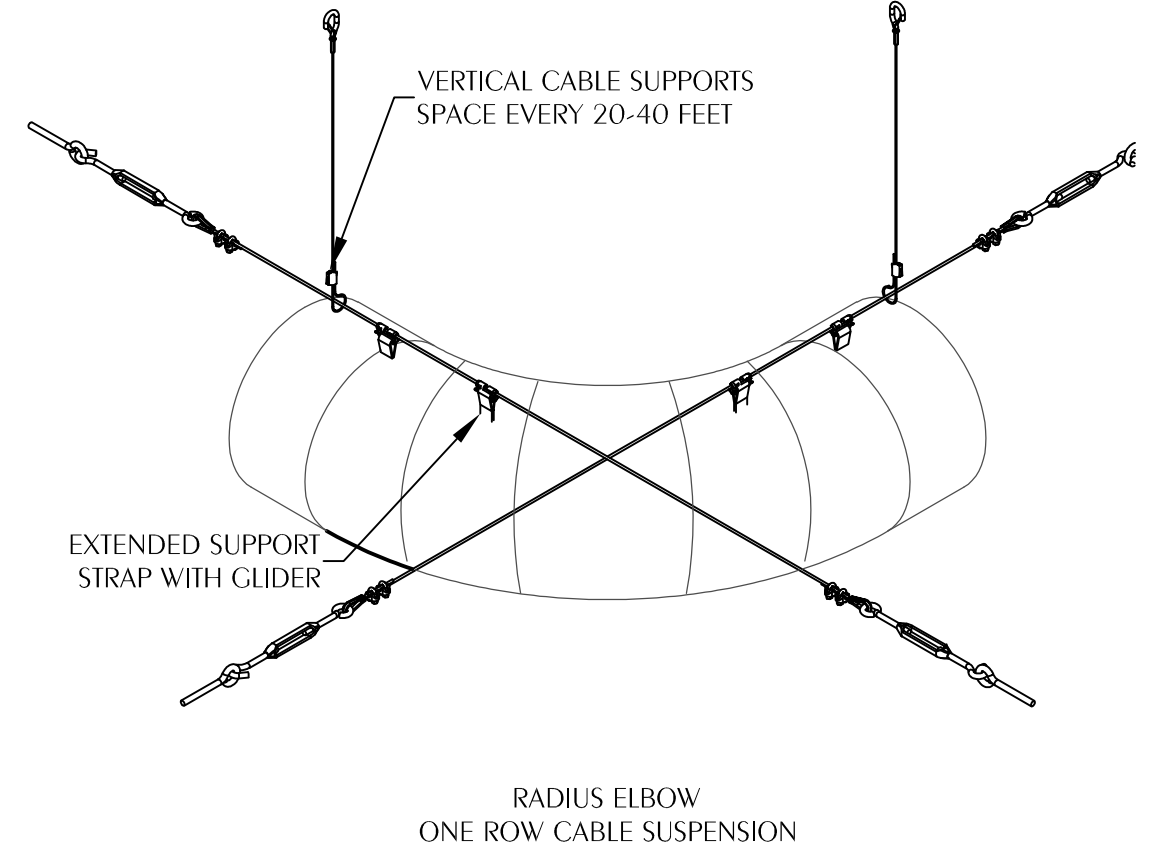


8 OUTDOOR MECHANICAL UNIT MOUNTING DETAIL
M301 SCALE: NONE



NOTE:
HOOP SYSTEM IS REQUIRED IN ORDER FOR DUCT TO MAINTAIN SHAPE IN LOW-FLOW CONDITIONS.

9 SUSPENSION DETAIL
M301 SCALE: NONE



10 LINEAR SLOT DETAIL
M301 SCALE: NONE

© 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED BY ANY MEANS WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.



DAG Architects AR0009694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1071
www.DAGarchitects.com

100% REVIEW DOCUMENTS

NOT FOR CONSTRUCTION

PLANS FOR
**NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE**
3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

No.	Description	Date

HVAC DETAILS

PROJECT NUMBER: 24012
DATED: 04.19.2024

Florida CA Number: 27625
Florida A. License No. 04547
002.020.0467
Project Number: 2024-020
Checked By: KJA
Drawn By: JFG
4432 Orion Street, Panama, Florida 32406
311 N. College St. Office 1018 Auburn, AL 36802

SEQUENCE OF OPERATION PACKAGED HEAT PUMP UNIT

GENERAL: STARTING AND STOPPING OF EQUIPMENT SHALL BE BY A ROOM MOUNTED BACnet THERMOSTAT WITH HUMIDITY SENSOR. THE UNIT SHALL BE STARTED AUTOMATICALLY BY THE BACnet THERMOSTAT AND ALL CONTROLS ACTIVATED SUBJECT TO THE FIRE ALARM RELAY, SAFETIES AND OVERLOADS. THE CONTROLLER SHALL PROVIDE A FOUR DEGREE DEADBAND (ADJUSTABLE FROM THE GRAPHIC UP TO FIVE DEGREES) BETWEEN THE HEATING AND COOLING SETPOINTS.

OCCUPIED MODE: THE MOTORIZED OA DAMPER SHALL OPEN TO THE BALANCED POSITION AND THE INDOOR FAN SHALL RUN CONTINUOUSLY. THE CONDENSING UNIT SHALL CYCLE TO MAINTAIN SPACE TEMPERATURE. THE SUPPLEMENTAL ELECTRIC HEAT SHALL BE DISABLED UNLESS THE OUTDOOR TEMPERATURE IS BELOW 35°F OR THE UNIT IS OPERATING IN DEFROST CYCLE. THE SETPOINT FOR COOLING SHALL BE 77°F ADJUSTABLE FROM THE GRAPHIC. THE SETPOINT FOR HEATING SHALL BE 70°F ADJUSTABLE FROM THE GRAPHIC. THE INDOOR FAN SHALL START AND RUN AT A REDUCED SPEED AS THE FIRST STAGE OF TEMPERATURE CONTROL. IF THE CALL FOR TEMPERATURE CONTROL IS NOT MET AFTER 7 1/2 MINUTES, THE INDOOR FAN SHALL INCREASE TO FULL FAN SPEED AND RUN UNTIL THE CALL FOR TEMPERATURE CONTROL IS SATISFIED. DUAL STAGE OR CIRCUITED UNITS SHALL RUN START THE FIRST STAGE OF COOLING OR HEATING WITH THE FIRST STAGE COMPRESSORS.

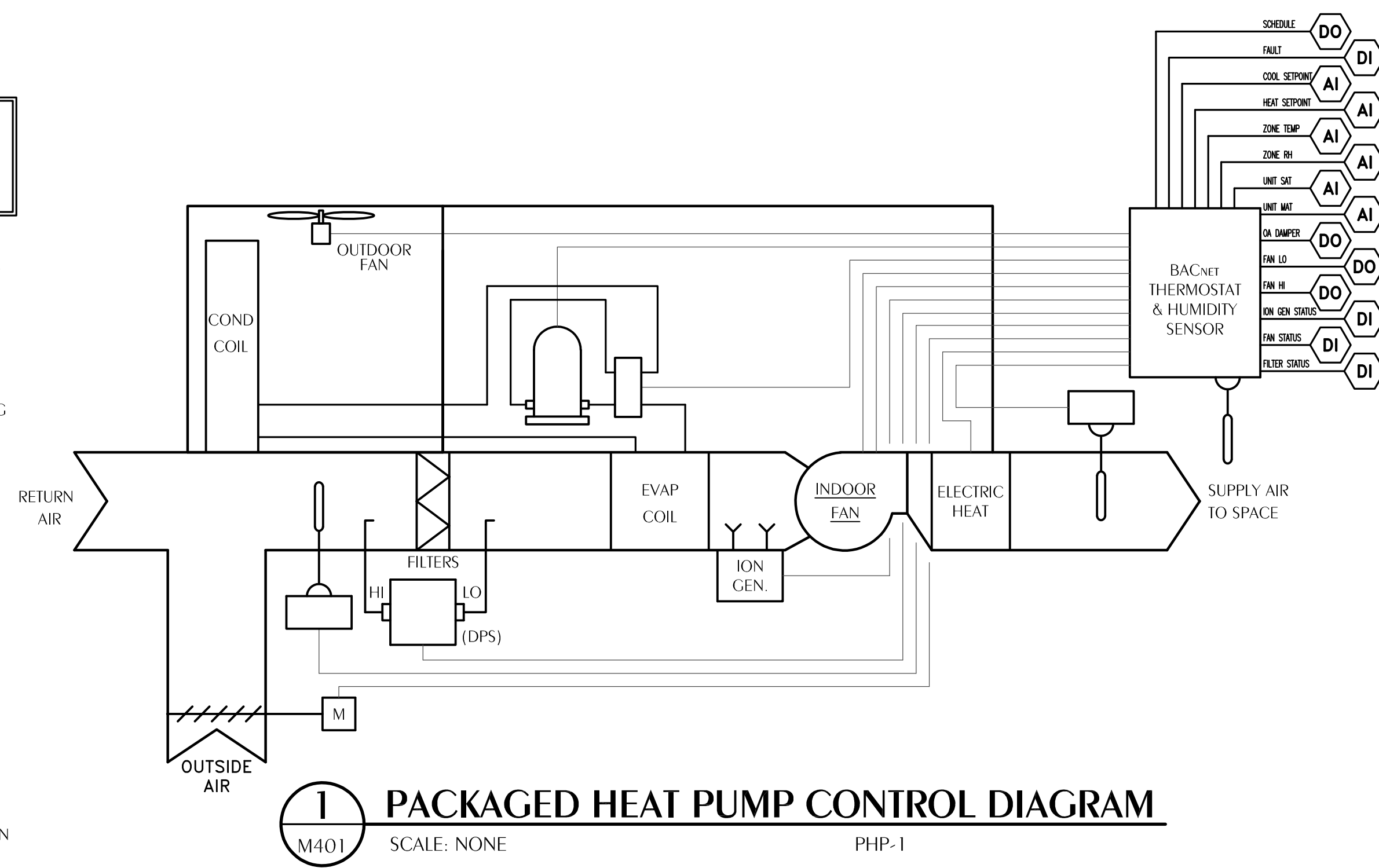
UNOCCUPIED MODE: THE MOTORIZED OA DAMPER SHALL CLOSE. THE INDOOR FAN AND CONDENSING UNIT SHALL CYCLE TO MAINTAIN SETPOINT TEMPERATURE. THE SETPOINT FOR COOLING SHALL BE 80°F ADJUSTABLE FROM THE GRAPHIC. THE SETPOINT FOR HEATING SHALL BE 65°F ADJUSTABLE FROM THE GRAPHIC.

OVERRIDE MODE: THE OVERRIDE MODE SHALL PLACE THE SYSTEM IN OCCUPIED MODE FOR ONE HOUR AND THE OUTSIDE AIR DAMPER FOR THE UNIT IN OVERRIDE SHALL OPEN TO THE BALANCED POSITION.

HUMIDITY CONTROL: UPON A CALL FOR DEHUMIDIFICATION, THE UNIT SHALL RUN AT FULL COMPRESSOR LOAD AND MINIMUM AIRFLOW UNTIL THE CALL FOR DEHUMIDIFICATION IS SATISFIED (SPACE RH < SETPOINT - 5%) OR THE SPACE FALLS TWO DEGREES BELOW THE HEATING SETPOINT. THE SETPOINT FOR DEHUMIDIFICATION SHALL BE 60%, ADJUSTABLE FROM THE GRAPHIC.

BIPOLAR IONIZATION: THE BACnet THERMOSTAT SHALL MONITOR THE DIGITAL ALARM OUTPUT ON THE IONIZATION DEVICE AND THE DDC SHALL MONITOR THIS POINT AND POST AN ALARM IF THERE IS A FAILURE.

DOOR INTERLOCK: UNIT SHALL INTERLOCK WITH ALL ROLL UP DOORS. UNIT SHALL SHUT DOWN IF ANY ROLL UP DOOR IS OPEN FOR 10 CONSECUTIVE MINUTES.



PACKAGED HEAT PUMP POINTS LIST

POINT NAME	HARDWARE POINTS				SOFTWARE POINTS/FUNCTIONS				ALARM	GRAPHIC
	AI	AO	DI	DO	AV	DV	SCHED	TREND		
SCHEDULE				X						X
FAULT			X						X	X
ZONE TEMP SETPOINT	X									X
ZONE TEMP (T)	X								X	X
ZONE HUMIDITY (RH)	X								X	X
SUPPLY AIR TEMP (SAT)	X									X
MIXED AIR TEMPERATURE (MAT)	X									X
OA DAMPER				X						X
FAN LO SPEED				X						X
FAN HI SPEED				X						X
ION GENERATOR STATUS			X						X	X
FAN STATUS			X						X	X
FILTER STATUS			X						X	X

DAG

ARCHITECTS

DAG Architects AR0008694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1671
www.DAGarchitects.com

100% REVIEW
DOCUMENTS

NOT FOR
CONSTRUCTION

PLANS FOR
**NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE**
3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

No.	Description	Date

HVAC CONTROLS

PROJECT NUMBER	24012
DATED	04.19.2024

Florida CA Number: 27625
Florida FL Number: 04457
Florida License Number: 04457
002-201-2467
Project Number: 2024-028
Checked By: KAJ
Drawn By: JFG

DEMOLITION NOTES

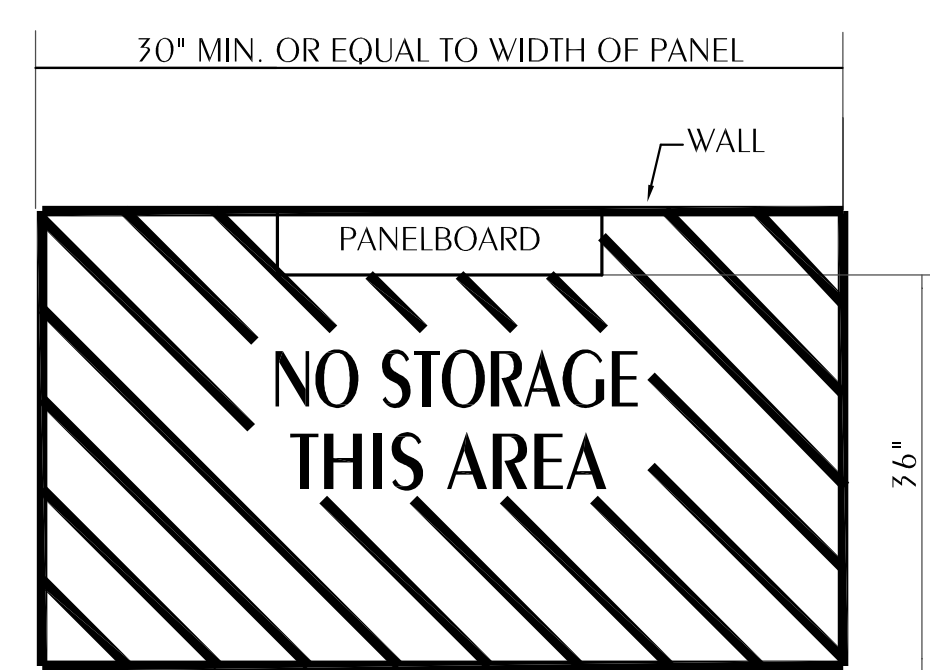
1. ALL EXISTING SYSTEMS AND CONDITIONS SHOWN ON THE PLANS ARE APPROXIMATE. THE EXISTING ELECTRICAL CIRCUITS OF POWER, RECEPTACLES, LIGHTING, ETC. BEING REMOVED MAY NOT BE SHOWN ON THESE DOCUMENTS, BUT ARE TO BE REMOVED AS REQUIRED TO BUILD THIS PROJECT AND TO PERMIT NEW FINISHES, WALLS, ETC. THE CONTRACTOR SHALL FIELD-VERIFY ALL CONDITIONS PRIOR TO BEGINNING ANY WORK AND SHALL NOTIFY THE ARCHITECT OF DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST AND SHALL PERFORM ANY ADDITIONAL WORK NECESSARY TO PERFORM THE WORK AS SHOWN AND SPECIFIED.
2. IF A DEVICE IS BEING REMOVED AND THE CIRCUIT FEEDS OTHER LOADS FROM THE DEVICE, THEN THE WIRING SHALL BE MADE CONTINUOUS TO THE REMAINING LOADS. NO CIRCUIT CONTINUITY SHALL BE LOST.
3. IF A DEVICE IS BEING REMOVED AND NOT PART OF A DEMO WALL, THAT LOCATION SHALL BE RESTORED TO MATCH ADJACENT SURFACE.
4. REMOVE ALL DISCONNECTS, WIRING, AND CONDUITS SERVING MECHANICAL EQUIPMENT BEING REMOVED OR RELOCATED.
5. CONTRACTOR TO REMOVE ALL CONDUITS, AND ASSOCIATED WIRING FROM DEVICES BEING REMOVED BACK TO PANEL UNLESS NOTED OTHERWISE. WHEN ALL LOADS ON EXISTING BREAKERS ARE REMOVED, RELABEL BREAKER AS 'SPARE'.

ELECTRICAL GENERAL NOTES

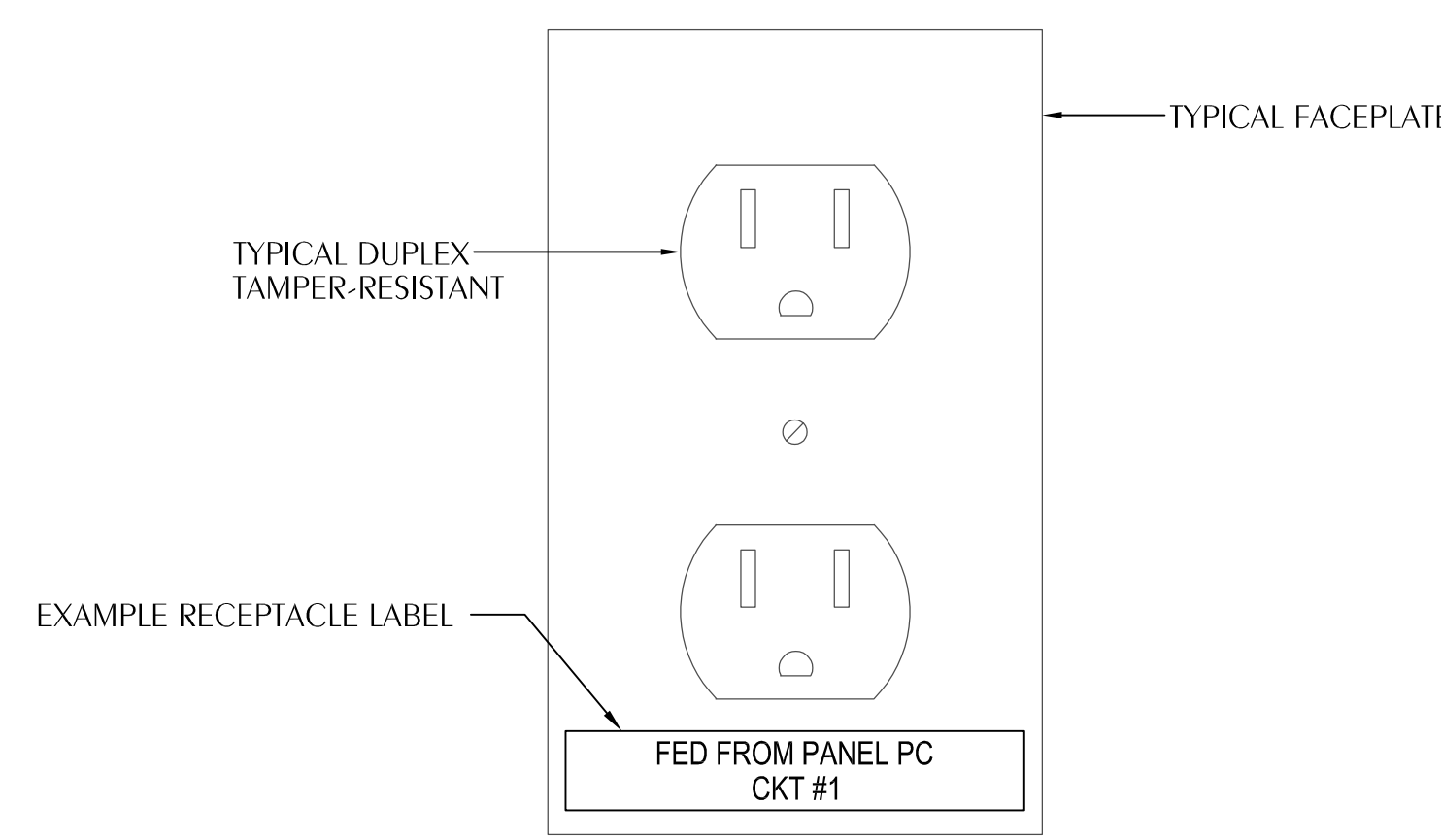
1. CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION. REFER TO AN DRAWINGS FOR REQUIRED RACEWAYS, EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
2. RECEPTACLES, SWITCHES AND COVERPLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
3. LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR AUDIO-VISUAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL AV EQUIPMENT LOCATIONS TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE.
4. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
5. ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHT CIRCUIT AHEAD OF LOCAL SWITCH.
6. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, ETC., SHALL HAVE CUSTOM ENGRAVED MICARTA NAMEPLATE MECHANICALLY AFFIXED IDENTIFYING SYSTEM.
7. GENERAL CONTRACTOR SHALL FIELD-VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING ANY WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPANCIES. FAILURE TO DO SO INDICATES THAT THE CONTRACTOR ACCEPTS THE CONDITIONS AS THEY EXIST, AND SHALL PERFORM THE WORK REQUIRED AS SHOWN AND SPECIFIED.
8. THE ELECTRICAL CONTRACTOR SHALL OBTAIN AND REVIEW THE AUDIO-VISUAL AND SPECIAL EQUIPMENT SUBMITTALS PRIOR TO SUBMITTING THE ELECTRICAL SUBMITTALS. ANY ELECTRICAL EQUIPMENT, CONDUIT, AND WIRE SIZE CHANGES RESULTING FROM THIS REVIEW SHALL ALSO BE SUBMITTED FOR APPROVAL.
9. FURNISH ALL EQUIPMENT AND LABOR. PERFORM ALL LABOR WITH SUPERVISION. BEAR ALL EXPENSES, AS NECESSARY FOR THE SATISFACTORY COMPLETION OF ALL WORK READY FOR OPERATION.
10. COMPLY WITH ALL LOCAL CODE, LAWS, AND ORDINANCES APPLICABLE TO ELECTRICAL WORK, THE STATE BUILDING CODE, 2020 NATIONAL ELECTRIC CODE, AND 2023 FBC, 8TH EDITION. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
11. OBTAIN ARCHITECT'S/ENGINEER'S APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC., PRIOR TO PURCHASING.
12. TERMINATIONS FOR ALL EQUIPMENT SHOWN TO HAVE TEMPERATURE RATING OF 75deg C PER NEC 2011 ART. 110.14 & TABLE 310.15(B)(16).
13. WHERE USED, PROVIDE MEANS TO SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE CIRCUIT BREAKERS SERVING MULTI-WIRE BRANCH CIRCUITS IN ACCORDANCE WITH NEC 210.4(B).
14. ELECTRICAL CONTRACTOR SHALL PROVIDE THE FOLLOWING UPON COMPLETION OF THE PROJECT:
 - PANEL SCHEDULE TO BE VERIFIED BY ENGINEER OF RECORD
 - ON RECEPTACLES AND DISCONNECTS, SHOW LABEL WITH PANEL AND BREAKER
 - ON MAIN PANEL LABEL PHASE ROTATION
 - PROVIDE PERMANENT, MECHANICALLY AFFIXED TAG ON TRANSFORMER FOR EVERY MAIN PANEL GOING TO TRANSFORMER
 - PROVIDE PERMANENT, MECHANICALLY AFFIXED TAG ON EVERY PANEL AND SWITCHGEAR PAIRED TRANSFORMER
15. PRIOR TO DISCONNECTING/RECONNECTING OF PANELS/EQUIPMENT, EC TO FIELD-VERIFY AND NOTE PHASE ROTATION. PRIOR TO RECONNECTION, PHASE ROTATION TO BE CONFIRMED.

EQUALS TO BE SUBMITTED FOR APPROVAL TO ENGINEER 10 DAYS PRIOR TO BID.

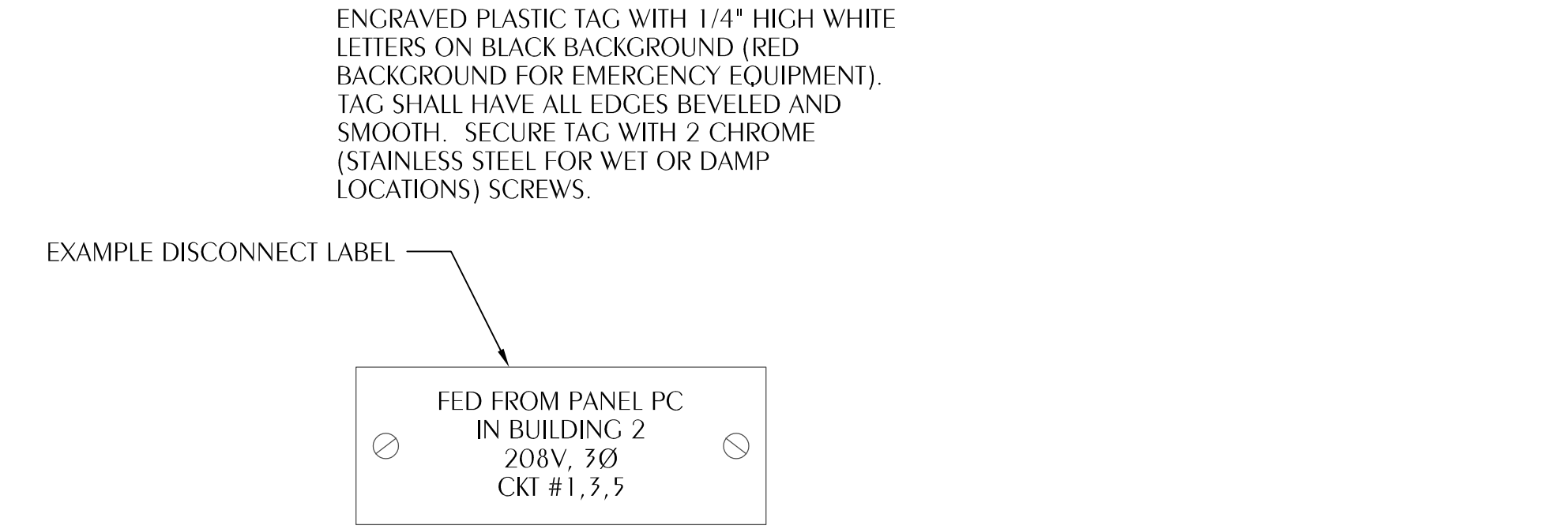
MARK	MANUFACTURER AND CATALOG No.	LAMPS		MOUNTING	REMARKS
		No.	TYPE		
BP	H.E. WILLIAMS #EMERLED-WH1-SD1-WG-D	-	T 12W LED	WALL @ 7'-6" AFF	BATTERY PACK, SELF-DIAGNOSTICS, 120V, WITH WIREGUARD
BPX BPSA	H.E. WILLIAMS #EXITEMLED-R-WH1-SD1-WG-COMBO-D	-	T 12W LED	WALL @ 6" ABOVE DOOR	BATTERY PACK/EXIT SIGN COMBO, SELF-DIAGNOSTICS, 120V, WITH WIREGUARD
HB	TRILEY GREEN SOLUTIONS #CHB-P-150W-40K-WD-U-D-W-PM	150W	4000K LED	PENDANT MOUNT @ 20" AFF	PENDANT MOUNTED HIGH BAY LFO, STD 0-10V DIMMING, IMPACT RESISTANT, FINISHED BY ARCH, 120V. MOUNT @ 20" AFF TO BOTTOM OF FIXTURE
WB	TOPAZ #F-WP-60W/50KBZ1E	60W	5000K LED	WALL MOUNT	EXTERIOR WALLPACK, FINISH BY ARCH, 120V
WBE	TOPAZ #F-WP-60W/50KBZ1EM	60W	5000K LED	WALL MOUNT	EXTERIOR WALLPACK, FINISH BY ARCH, EMERGENCY DRIVER, 120V



1 TYPICAL CLEARANCE AT ELECTRICAL PANELS
SCALE: NONE



2 TYPICAL FACEPLATE DETAIL
SCALE: NONE



3 TYPICAL DISCONNECT LABELING
SCALE: NONE

ELECTRICAL LEGEND

- CEILING OUTLETS**
- RECESSED 2' X 4' FLOURESCENT FXTURE MARK "A" CIRCUIT TYPICAL
 - RECESSED 2' X 4' FLOURESCENT FXTURE INSTALLED FOR CONTINUOUS OPERATION
- INDICATES FIXTURE WITH EMERGENCY UNIT BATTERY PACK
- SURFACE MOUNTED, RECESS OR SUSPENDED FLOURESCENT FXTURE MARK "A" AS NOTED
 - SURFACE MOUNTED FLOURESCENT STRIP FXTURE MARK "S" AS NOTED
 - ⊗ EXIT LIGHT
 - JUNCTION BOX
 - RECESSED/SURFACE MOUNT LIGHT
 - RECESSED/SURFACE MOUNT LIGHT INSTALLED FOR CONTINUOUS OPERATION
- EXHAUST FAN**
- 120/208 VOLT PANELBOARD
 - EXISTING 120/208 VOLT PANELBOARD
 - NON-FUSIBLE DISCONNECT SWITCH. XXYY/ZZ WHERE X INDICATES AMPERAGE, Y INDICATES # OF POLES, AND Z INDICATES NEMA RATING
- FIRE ALARM SYSTEM**
- FIRE ALARM SYSTEM MANUAL PULL STATION, MT 48" AFF TO C/L
 - FIRE ALARM SYSTEM SIGNAL SPEAKER/STROBE, MT 80" AFF TO BOTTOM
 - WEATHERPROOF FIRE ALARM SYSTEM SIGNAL SPEAKER, MOUNT 80" AFF TO BOTTOM
 - FIRE ALARM SYSTEM STROBE, MT, 80" AFF TO BOTTOM
 - FIRE ALARM SYSTEM AUTOMATIC HEAT DETECTOR; 135 DEGREE/RATE OF RISE TYPE; CEILING MOUNTED
 - FIRE ALARM SYSTEM AUTOMATIC SMOKE DETECTOR, CEILING MOUNTED
 - FIRE ALARM SYSTEM RACEWAY INSTALLED CONCEALED, ARROW INDICATES HOMERUN TO FIRE ALARM CONTROL PANEL
 - FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN SUPPLY AIR DUCT
 - FIRE ALARM SYSTEM AUTOMATIC AIR DUCT SMOKE DETECTOR MOUNTED IN RETURN AIR DUCT
 - NORMALLY CLOSED RELAY IN H.V.A.C CONTROL CIRCUIT TO OPEN UPON ACTUATION OF BUILDING FIRE ALARM SYSTEM TO SHUT DOWN A/C UNIT. CONTACTS RATED 5 AMPS, 120 VOLTS.
 - REMOTE INDICATOR LIGHT, FIELD-VERIFY EXACT LOCATION OF INSTALLATION
 - FIRE ALARM SYSTEM MAGNETIC DOOR HOLDERS, WHERE APPLICABLE, EC TO PROVIDE 120V POWER AT DEVICE
 - ⊗ FIRE ALARM SYSTEM FLOW SWITCH
 - ⊗ FIRE ALARM SYSTEM TAMPER SWITCH
- WALL SWITCHES (UNLESS OTHERWISE NOTED, MOUNT 48" A.F.F.)**
- S A.C. TYPE, SINGLE POLE, 20 AMP, 120/277 VOLT, MOUNT 48" AFF TO C/L
 - S3 A.C. TYPE, 3-WAY, 20 AMP, 120/277 VOLT, MOUNT 48" AFF TO C/L
 - S4 A.C. TYPE, 4-WAY, 20 AMP, 120/277 VOLT, MOUNT 48" AFF TO C/L
 - S_W MOTOR-RATED TOGGLE SWITCH; FIELD-VERIFY EXACT HT & LOCATION WITH EQUIPMENT INSTALLER
 - S_R WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED) EQUAL TO WATSTOPPER PW-100; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L
 - S_{RD} WALL MOUNTED OCCUPANCY SENSOR EQUAL TO WATSTOPPER DSW-100, DUAL TECHNOLOGY; MOUNT 48" AFF TO C/L; SET DELAY OFF TIME FOR 10 MINUTES (120/277V)
 - S_{RS} 0-10V DIMMING W/ 50%, 75%, & 100% PRE-SETS WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED) EQUAL TO WATSTOPPER PW-211; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L. IF DIMMING IS DESIRED IN A SPACE, A SEPARATE 0-10V 2-WIRE CONTROL CIRCUIT (MIN. 18GA) TO BE INSTALLED FROM DEVICE TO ALL FIXTURES IN ASSOCIATED DIMMING ZONE (FIXTURES TO BE DASH-CHAINED).
 - S_{DS} 0-10V DIMMING W/ 50%, 75%, & 100% PRE-SETS WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED & ULTRASONIC) EQUAL TO WATSTOPPER DW-211; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L. IF DIMMING IS DESIRED IN A SPACE, A SEPARATE 0-10V 2-WIRE CONTROL CIRCUIT (MIN. 18GA) TO BE INSTALLED FROM DEVICE TO ALL FIXTURES IN ASSOCIATED DIMMING ZONE (FIXTURES TO BE DASH-CHAINED).
 - S_{AD} WALL MOUNTED OCCUPANCY SENSOR (PASSIVE INFRARED & ULTRASONIC) EQUAL TO WATSTOPPER DW-200; SET DELAY OFF TIME FOR 10 MINUTES (120/277V); MOUNT 48" AFF TO C/L. W/ 50%, 75%, & 100% PRESETS. NOTE THAT FOR EACH LEVEL OF LIGHT, A SEPARATE SWITCH LEG IS REQUIRED TO BE INSTALLED.
 - PHILLIPS SUNRISE 1200W ELECTRONIC WALL DIMMER (MODEL# SR1200Z1UNV). EC TO INSTALL 120V HOT/LEG (LOAD SIDE OF OCCUPANCY SENSOR SWITCH) TO DIMMING MODULE AND FROM MODULE TO FIXTURE. IN ADDITION, INSTALL A 2-WIRE (E16 AWG) DIMMING CIRCUIT FROM DIMMER MODULE TO LIGHTING FIXTURE(S) TO BE CONTROLLED. WITHIN EACH ZONE, DIMMING CIRCUIT MAY BE DASH-CHAINED AND NOT SEPARATE RUNS FROM MODULE TO EACH FIXTURE REQUIRED. IF OTHER THAN SPECIFIED MANUFACTURER'S FIXTURE TYPES FURNISHED, EC TO VERIFY THAT DIMMING MODULE SUPPLIED TO BE 100% COMPATIBLE WITH FIXTURES TO BE INSTALLED. MOUNT 48" AFF TO C/L. IF EMERGENCY EGRESS FIXTURES W/ BATTERY BACKUP ARE WITHIN ZONE OF CONTROL, INSTALL A SEPARATE NON-SWITCHED 120V HOT/LEG FOR CONTINUAL CHARGING OF BATTERIES.
 - S_M PROGRAMMABLE LOW-VOLTAGE MULTI-LEVEL SWITCH TO BE INTERLOCKED WITH DIGITAL LIGHTING MANAGEMENT (DLM) SYSTEM. REFER TO DLM DETAIL FOR WIRING REQUIREMENTS. MOUNT 48" AFF TO C/L. WATSTOPPER LMSW-102-W.
- BRANCH CIRCUITING**
- RUN CONCEALED UNDER FLOOR OR IN GRADE
 - RUN CONCEALED IN CEILING OR WALLS
 - HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2#12, 1#12 GROUND-1/2" C. --- 3 #12, 1 #12 GROUND - 1/2" C. --- 4#12, 1#12 GROUND - 1/2" C. ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMERALS INDICATE PANEL AND CIRCUIT NUMBER
 - ~ LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
 - SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES
- TELEPHONE & TV SYSTEM**
- △ WALL OUTLET - 4" SO X 2-1/8" DEEP BOX @ 18" A.F.F. TO C/L OF DEVICE U.N.O., INSTALL 3/4" C. TO ACCESSIBLE LOCATION ABOVE CEILING. COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC.
 - C ▷ WALL OUTLET - 4" SO X 2-1/8" DEEP BOX @ 4" ABOVE COUNTER TO C/L OF DEVICE U.N.O., INSTALL 3/4" C. TO ACCESSIBLE LOCATION ABOVE CEILING. COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC.
 - CH ▷ WALL OUTLET - 4" SO X 2-1/8" DEEP BOX @ 6" HORIZONTALLY ABOVE COUNTER TO C/L OF DEVICE; INSTALL 3/4" C. TO ACCESSIBLE LOCATION ABOVE CEILING; COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC.
 - 3/4" (60" HIGH) TELEPHONE BACKBOARD EXTERIOR GRADE PLYWOOD WITH TWO COATS OF INSULATING VARNISH; SIZE AS SHOWN
 - △ TELEVISION CABLE WALL OUTLET - 4" SO X 2-1/8" DEEP BOX; INSTALL 3/4" C. TO ACCESSIBLE LOCATION ABOVE CEILING. COMMUNICATIONS CONTRACTOR SHALL PROVIDE COVERPLATES, INSERTS, ETC. MOUNT 18" A.F.F. TO C/L OF DEVICE U.N.O.
- WALL OUTLETS**
- ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
 - T ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE, TAMPER RESISTANT
 - G ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
 - H ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE, IF DENOTES DEVICE TO BE MOUNTED HORIZONTALLY
 - WP ⊗ DUPLEX WEATHERTIGHT RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; PROVIDE WEATHERPROOF BOX FOR RECEPTACLE
 - ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT FLUSH IN CEILING
 - ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT ADJACENT TO TELEVISION OUTLET AT SAME HEIGHT
 - ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 6" ABOVE COUNTER
 - ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 6" ABOVE COUNTER
 - ⊗ GHI DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 6" ABOVE COUNTER, HORIZONTALLY
 - ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, GFI, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 26" AFF TO C/L FOR DRINKING FOUNTAIN
 - ⊗ QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE
 - H ⊗ QUADRAPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE, IF DENOTES DEVICE TO BE MOUNTED HORIZONTALLY
 - ⊗ 240V RECEPTACLE - MOUNT 18" AFF UNLESS NOTED OTHERWISE, VERIFY TYPE REQUIRED WITH EQUIPMENT FURNISHED
 - ⊗ JUNCTION BOX WITH BLANK SCREW COVER AND FLEXIBLE CONDUIT CONNECTION
 - ⊗ SURFACE-MOUNTED JUNCTION BOX WITH BLANK SCREW COVER (UNLESS DEVICE SHOWN TO BE INSTALLED); SIZE OF BOX TO BE DETERMINED BY DEVICE BEING INSTALLED
 - ⊗ WALL MOUNTED EXIT LIGHT
 - ⊗ WALL MOUNTED HIGH INTENSITY DISCHARGE FIXTURE
 - ⊗ WALL MOUNTED EMERGENCY UNIT BATTERY PACK
 - ⊗ WALL MOUNTED EXIT LIGHT/BATTERY PACK COMBO FIXTURE
 - ⊗ SIDEWALL PHOTOCELL EQUAL TO TORQ #2101 (120V)
 - ⊗ DUPLEX RECEPTACLE - 20 AMP, 125 VOLT, 2 POLE, 3 WIRE GROUNDED TYPE, NEMA 5-20R, MOUNT 18" A.F.F. UNLESS NOTED OTHERWISE; LABEL "COMPUTER USE ONLY"
- MISCELLANEOUS**
- AFF ABOVE FINISH FLOOR
 - B.F.C. BELOW FINISHED CEILING
 - e EXISTING

REVISIONS:

No.	Description	Date

ELECTRICAL LEGEND, SCHEDULE, DETAILS, AND NOTES

PROJECT NUMBER: **24012**
DATED: **04.19.2024**

Watford
4612 Citrus Street, Panama City, Florida 32406
311 N. College St. Citrus 1018 Aulum, AL 36008

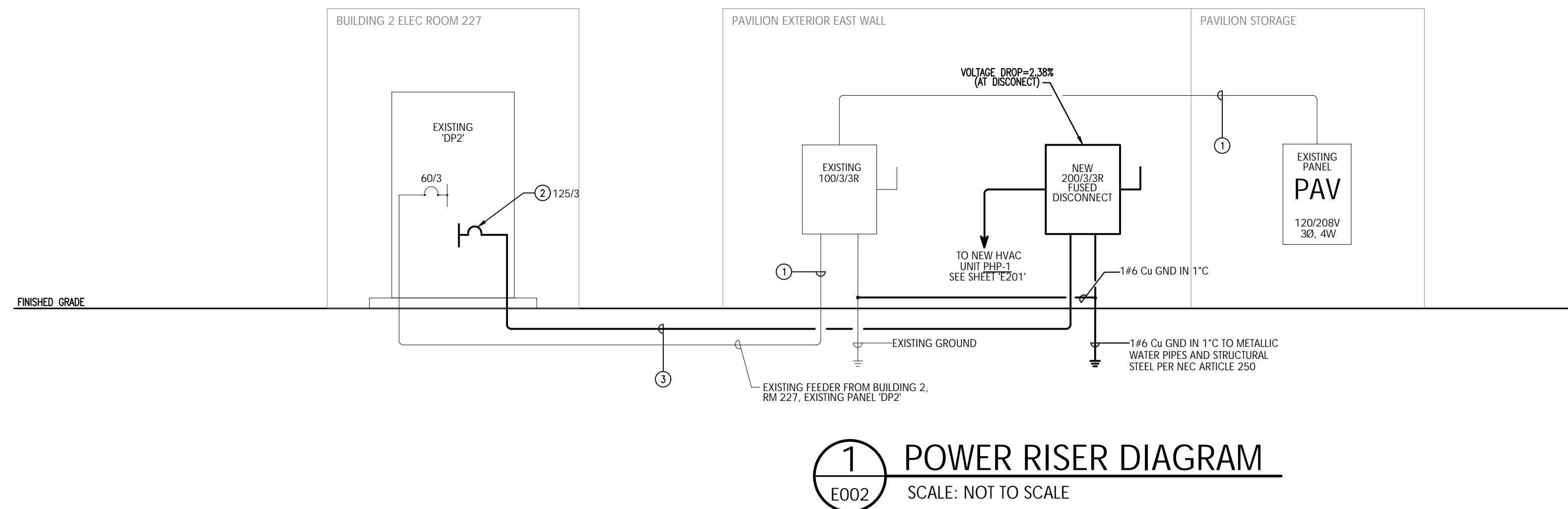
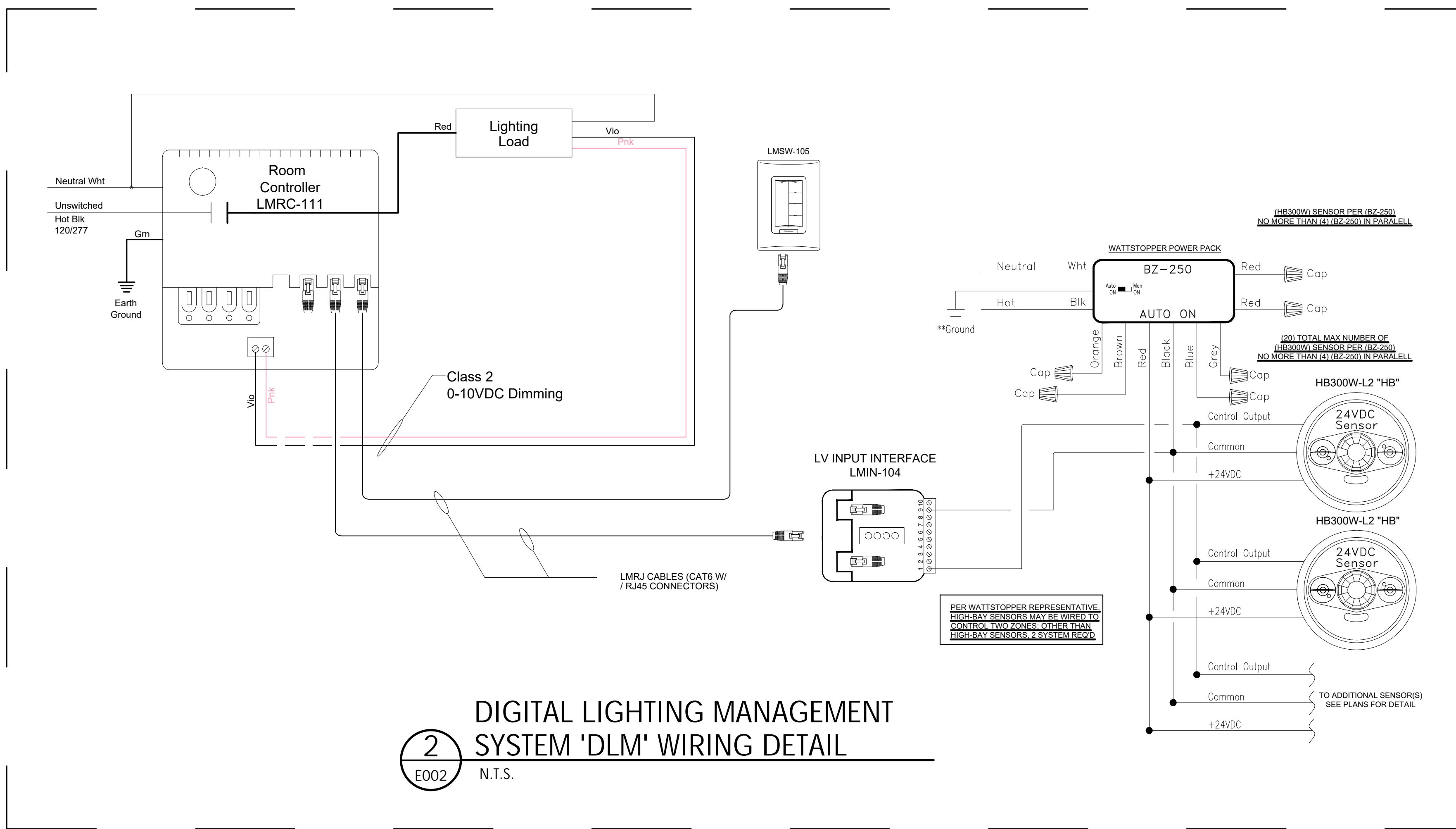
Florida CA Number: 27825
Anthony Clarke, P.E.
Florida License Number: 57419
905.582.2447
Project Number: 2024-026
Checked by: ALD
Drawn by: SHH

EXISTING SWITCHBOARD SCHEDULE				BRACED FOR MINIMUM 12,000 AMPS SYMMETRICAL	
208Y/120 VOLT 3Ø 4W 1200 AMP MAIN BREAKER (1200 AMP SUPPLY)					
CKT	EQUIPMENT SERVED	BREAKER TRIP POLE	LOAD (KW)		
1A	VRV-1	40 3	..		
1B	TVSS	30 3	..		
2A	PANEL PAV	60 3	..		
2B	VRV-2	40 3	..		
3A	PANEL R2A	100 3	..		
3B	(SPACE) PHP-1 (PAVILION)	125 3	34.27		
4A	PANEL R2B	125 3	..		
4B	PANEL R2C	100 3	..		
5	PANEL H2A	100 3	..		
6A	PANEL L2	200 3	..		
6B	PANEL L2A	200 3	..		
7	PANEL H2	200 3	..		
8	MAIN BREAKER	1200 3	..		
TOTAL CONNECTED LOAD: *LOAD INCREASED BY 34.27 KW			① INSTALL NEW 125/3 HACR BREAKER. VERIFY SIZE REQUIRED FOR EQUIPMENT FURNISHED		

CIRCUIT BREAKER PANEL SCHEDULE							SURFACE MOUNTED NEMA 1 ENCLOSURE	
120/208 VOLT 3Ø 4W 100 AMP MAIN BREAKER								
CKT	LOAD DESCRIPTION	BREAKER POLE AMP	LOAD KVA	BREAKER AMP POLE	LOAD DESCRIPTION	CKT		
1	LTS-OFFICE/STORAGE	1 20	..	..	REC-OFFICE	2		
3	(LTS-BUILDING) LTS-EXTERIOR	1 20	0.48	..	REC-STORAGE	4		
5	HAND DRYER	1 20	..	..	SPARE	6		
7	(LTS-OPEN BAY) LTS-SPORTS FLOOR	1 20	1.05	..	REC-TEL BACKBOARD	8		
9	(LTS-OPEN BAY) LTS-SPORTS FLOOR	1 20	1.05	..	REC-GFI OUTSIDE(OPEN BAY)	10		
11	(LTS-OPEN BAY) SPARE	1 20	..	..	1 LIFT STATION	12		
13	(SPARE) REC-RESTROOM	1 20	0.18	0.72	(SPARE) REC-SPORTS FLR NORTH	14		
15	(SPARE) REC-SPORTS FLR SOUTH	1 20	1.08	1.08	(SPARE) REC-SPORTS FLR WEST	16		
17	(A/C) SPARE	2 30	..	..		18		
19						20		
21	(SPACE) WATER COOLER	1 20	0.48	..	TVSS	22		
23	(SPACE) FIRE ALARM PANEL	1 20	0.20	..	WATER HEATER	24		
25	SPACE	1	..	..	SPACE	26		
27	SPACE	1	..	..	SPACE	28		
29	SPACE	1	..	..	SPACE	30		
TOTAL CONNECTED LOAD: XX.XX							① FURNISH BREAKER W/ HANDLE LOCK-ON	
MINIMUM INTERRUPTING CAPACITY: 22,000 AMPS SYMMETRICAL							② FURNISH GFCI BREAKER	

*EXISTING PAV AC IS TO BE REMOVED DURING DEMOLITION PHASE. IN ADDITION, ALL EXISTING CYM LIGHTING TO BE REPLACED WITH LED LIGHTING THUS DECREASING THE EXISTING LIGHTING LOAD. THEREFORE, THE NEW LOAD ON THE PANEL WILL BE LESS THAN THE CURRENT EXISTING LOAD.

PRIOR TO PRICING, VERIFY DETAIL/EQUIPMENT REQUIRED WITH ARCHITECT/ENGINEER



KEYNOTES

- EXISTING FEEDER TO REMAIN.
- FURNISH/INSTALL NEW 125/3 BREAKER. EXISTING SWITCHBOARD IS A GENERAL ELECTRIC SPECTRA SERIES, 120/208V 3Ø 4W, 1200A MAIN BREAKER, ONE SECTION, NEMA 1 ENCLOSURE.
- INSTALL 3Ø/1Ø, 1Ø6 GND, IN 2" CONDUIT. SEE 'ELECTRICAL SITE PLAN' ON SHEET 'E501' FOR MORE INFORMATION.



DAG ARCHITECTS

DAG Architects AR0008694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1671
www.DAGarchitects.com

100% REVIEW DOCUMENTS

NOT FOR CONSTRUCTION

PLANS FOR
**NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE**
3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

No.	Description	Date

PANEL SCHEDULES AND POWER RISER DIAGRAM

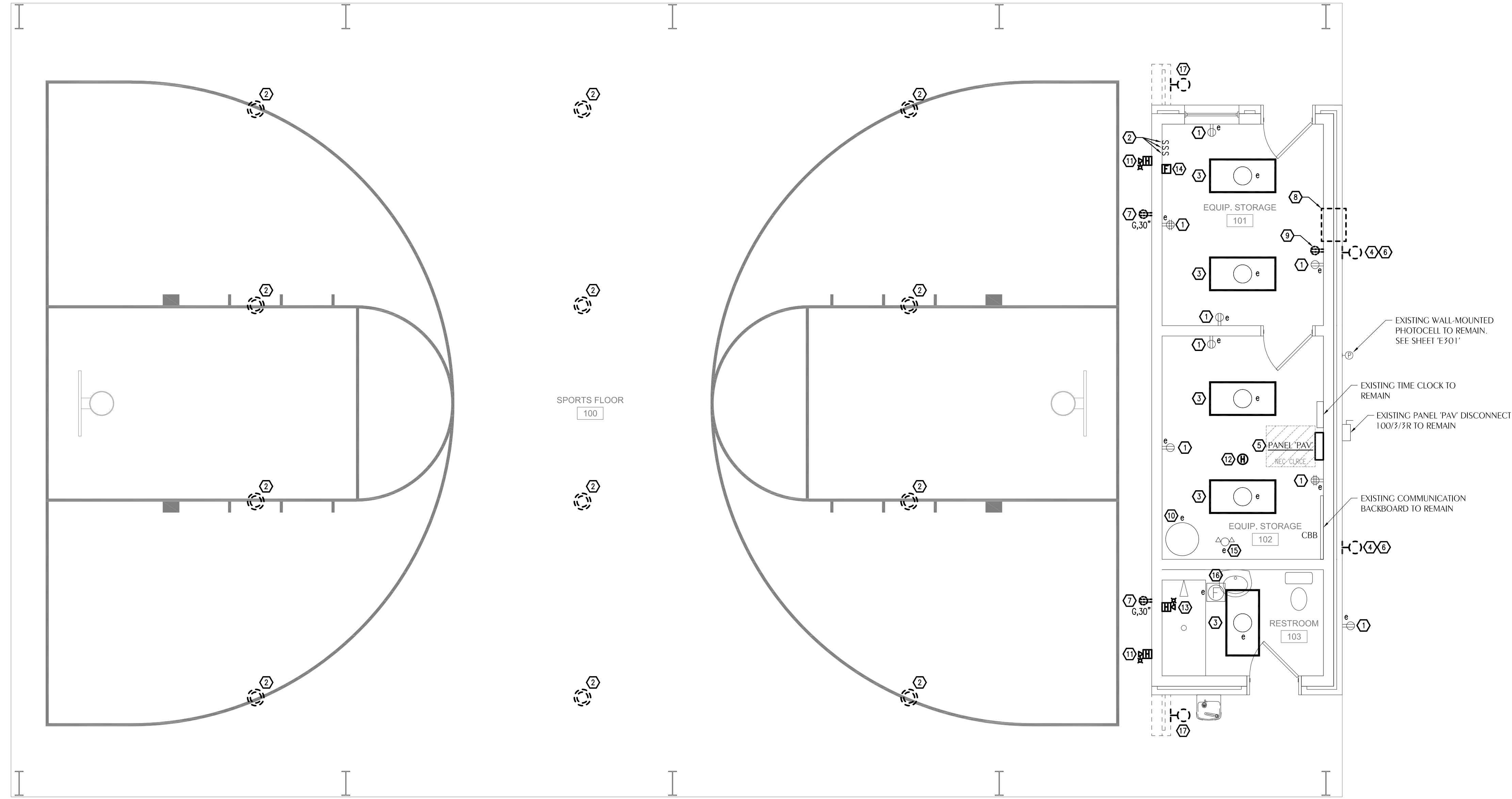
PROJECT NUMBER **24012**
DATED **04.19.2024**

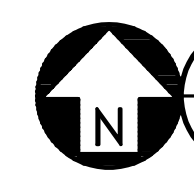


Florida CA Number: 27625
Anthony Davis, P.E.
Florida License Number: 57419
850.501.3447
Project Number: 2024.026
Checked By: ALD
Drawn By: SBR

4412 Clinton Street Melbourne, Florida 32946
311 N. College St. Office 1018 Auburn, AL 36801

E002



 **E101** **ELECTRICAL DEMO PLAN**
SCALE: 1/4" = 1'-0"

SHEET NOTES

1. EXISTING RECEPTACLE TO REMAIN.
2. HIGH BAY LIGHTING FIXTURE TO BE REMOVED. EXISTING CIRCUIT TO BE REMOVED BACK TO PANEL. EXISTING RACEWAYS AND BREAKER TO REMAIN AND BE REUSED WITH NEW CIRCUIT. EXISTING SWITCHES ARE TO BE REMOVED AND RELOCATED WITH NEW THREE-WAY SWITCHING LOCATED IN NEW WALLS. SEE SHEET 'E301'.
3. EXISTING LIGHTING FIXTURE TO REMAIN.
4. REMOVE EXTERIOR LIGHTING FIXTURE. REMOVE CIRCUIT BACK TO PANEL. RIGID CONDUIT TO REMAIN FOR USE WITH NEW CIRCUITS. SEE SHEET 'E301'.
5. EXISTING PANEL 'PAV' TO REMAIN.
6. EXISTING RECESSED JUNCTION BOX TO REMAIN BE REUSED FOR NEW EXTERIOR LIGHTING FIXTURE. SEE SHEET 'E301'.
7. EXISTING GFCI RECEPTACLE TO BE REMOVED. EXISTING CIRCUIT TO REMAIN. PREPARE FOR INSTALLATION OF NEW TAMPER-RESISTANT RECEPTACLE IN EXISTING LOCATION. SEE SHEET 'E201'.
8. WALL MOUNTED P-TAC TO BE REMOVED, BY OTHERS. EC TO REMOVE ENTIRE CIRCUIT BACK TO PANEL SERVING UNIT, AND RELABEL EXISTING BREAKER AS 'SPARE'.
9. RECEPTACLE MOUNTED AT 80" FOR WALL-MOUNTED P-TAC TO BE REMOVED. SEAL WALL OPENING WITH BLANK COVER PLATE.
10. EXISTING WATER HEATER TO REMAIN AS IS.
11. EXISTING HORN STROBE TO BE REMOVED AND REPLACED WITH NEW DEVICE TO MATCH NEW HORN STROBE DEVICES. SEE SHEET 'E401'.
12. EXISTING HEAT DETECTOR TO BE REMOVED. EXISTING JUNCTION BOX AND FIRE ALARM CIRCUIT TO REMAIN AND BE REUSED WITH NEW DEVICE. SEE SHEET 'E401'.
13. EXISTING HORN STROBE TO BE REMOVED. SEAL AND PATCH OPENING. PREPARE TO EXTEND/RELOCATE FIRE ALARM DEVICE CIRCUIT TO NEW LOCATION THAT IS AWAY FROM SHOWER HEAD. SEE SHEET 'E401'.
14. EXISTING FIRE ALARM PULL STATION TO BE REMOVED. COVER JUNCTION BOX WITH BLANK METAL COVER PLATE OF SAME FINISH AS OTHER COVER PLATES IN EXISTING STORAGE ROOMS. EC TO ENSURE CONTINUITY OF FIRE ALARM SYSTEM IS MAINTAINED.
15. EXISTING CEILING-MOUNTED EMERGENCY LIGHT FIXTURE TO REMAIN.
16. EXISTING EXHAUST FAN TO REMAIN.
17. LIGHT FIXTURE, JUNCTION BOX, CONDUIT AND WIRE TO BE REMOVED DURING WING WALL DEMOLITION. LIGHT FIXTURES ARE PART OF SAME CIRCUIT AS LIGHTS IN KEYNOTE #4 ON THIS SHEET. REMOVE WIRE COMPLETELY AS INSTRICTED IN KEYNOTE #4. REMOVE RIGID CONDUIT BACK AS FAR AS POSSIBLE, BUT LEAVE ANY EXISTING RIGID CONDUIT THAT CAN BE REUSED TO FEED NEW CIRCUIT TO NEW EXTERIOR LIGHTING FIXTURES IN EXISTING LOCATIONS DENOTED WITH KEYNOTE #6 ON THIS SHEET. SEE SHEET 'E301'.



ARCHITECTS

DAG Architects AR0009694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1671
www.DAGarchitects.com

100% REVIEW
DOCUMENTS

NOT FOR
CONSTRUCTION

PLANS FOR
**NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE**
3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

No.	Description	Date

ELECTRICAL DEMO PLAN

PROJECT NUMBER **24012**
DATED **04.19.2024**


WATFORD
ENGINEERS
4452 Clinton Street, Panama City, Florida 32406
311 N. College St., Office 1018 Auburn, AL 36802

Florida CA Number: 27825
Anthony Clarke, P.E.
Florida License Number: 57419
901.525.3447
Project Number: 2024-0206
Checked By: ALLD
Drawn By: SSPH



ARCHITECTS

DAG Architects AR0009694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1871
www.DAGarchitects.com

100% REVIEW
DOCUMENTS

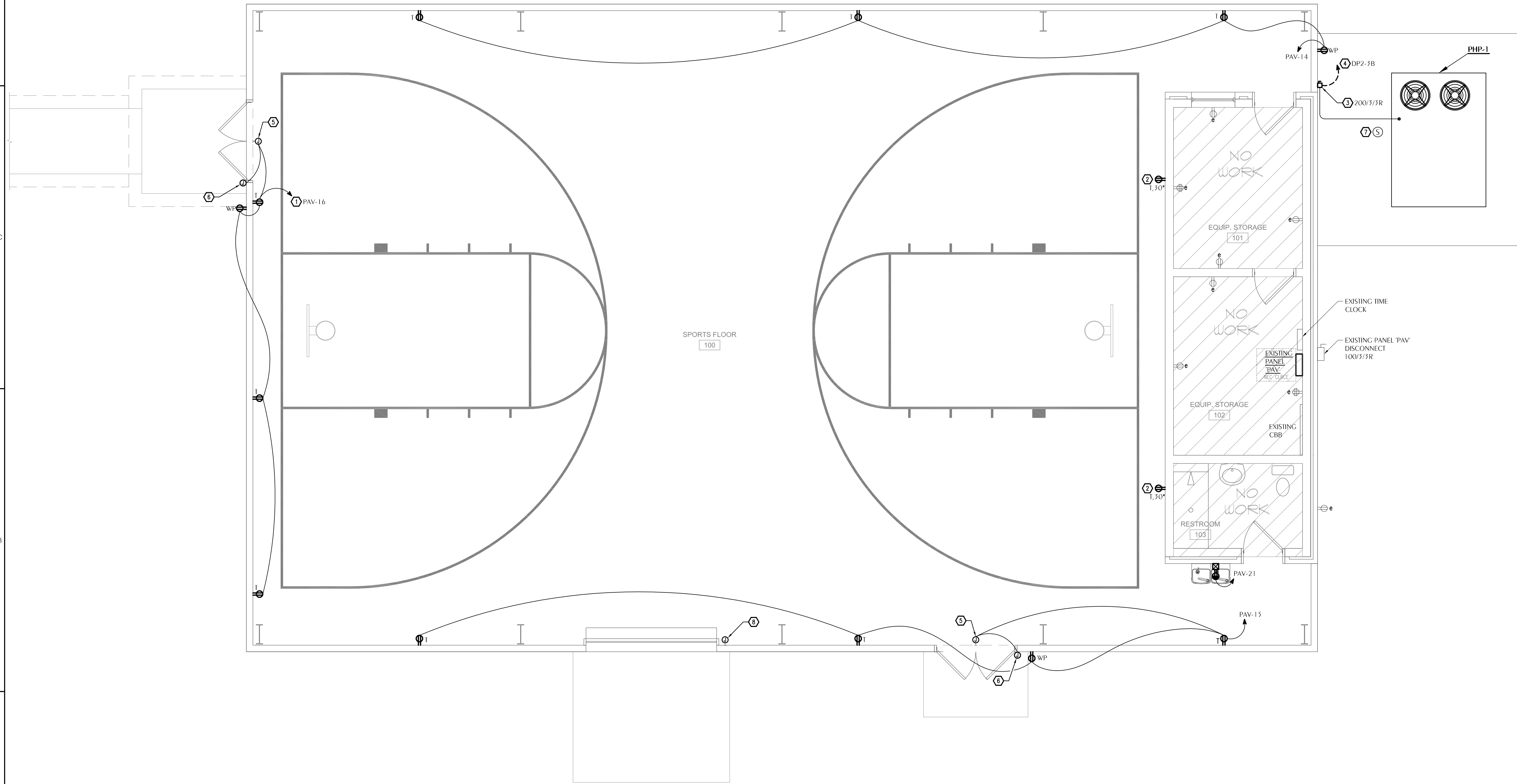
NOT FOR
CONSTRUCTION

PLANS FOR
NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE

3200 Minnesota Ave., Panama City, FL 32405

SHEET NOTES

- ① TO COMBAT VOLTAGE DROP, ENTIRE CIRCUIT TO BE #10 CU WIRE IN ACCORDANCE WITH ARTICLE 210.19 OF NEC.
- ② GFCI RECEPTACLE NO LONGER NEEDED IN THIS LOCATION. REPLACE EXISTING GFCI RECEPTACLE WITH NEW TAMPER RESISTANT DEVICE. INSTALL NEW DEVICE IN EXISTING LOCATION. RECONNECT TO EXISTING CIRCUIT.
- ③ COORDINATE WITH MECHANICAL CONTRACTOR FOR DISCONNECT LOCATION. IF POSSIBLE, AVOID PENETRATIONS THROUGH EXISTING BRICK-CLAD CMU WALLS.
- ④ SEE SHEET 'E301' FOR SUGGESTED ROUTING OF CONDUIT FROM NEW DISCONNECT TO NEW 125/3 HACR BREAKER IN EXISTING PANEL DP2, LOCATED IN BUILDING 2 ELECTRICAL ROOM 227, TO SERVE NEW HVAC UNIT PAV-1'. TO COMBAT VOLTAGE DROP, INSTALL 3/4" O CU, 1#6 GND, IN 2" CONDUIT IN ACCORDANCE WITH ARTICLE 210.19 OF NEC.
- ⑤ EC TO FURNISH/INSTALL SURFACE MOUNTED J-BOX ABOVE DOOR TO ACCOMMODATE CARD ACCESS DOOR POWER SUPPLY, CONTROL WIRING, AND DOOR LOCK MECHANISM WIRING. COORDINATE WITH GC/SECURITY CONTRACTOR FOR EXACT MOUNTING LOCATION, SIZE OF J-BOX AND SPECIFIC SYSTEM REQUIREMENTS. NOTE: INCLUDE MATERIALS AND LABOR FOR INSTALLATION OF EACH DOOR CONTROLLER AS SEPARATE LINE ITEM IN CONTRACT. IN THE EVENT THAT SOME OR ALL DOORS DO NOT REQUIRE SECURITY DEVICES, DEDUCT ITEMS DURING FINAL BIDDING.
- ⑥ EC TO FURNISH/INSTALL J-BOX AND 3/4" O ACCESSIBLE LOCATION ABOVE SECURE SIDE OF DOOR FOR SECURITY KEYPAD/CARD READER. COORDINATE WITH SECURITY CONTRACTOR FOR MOUNTING REQUIREMENTS OF J-BOX. SECURITY CONTRACTOR TO INSTALL DEVICE(S) AND CABLING. NOTE: INCLUDE MATERIALS AND LABOR FOR INSTALLATION OF EACH JUNCTION BOX AS SEPARATE LINE ITEM IN CONTRACT. IN THE EVENT THAT SOME OR ALL DOORS DO NOT REQUIRE CARD READERS, DEDUCT ITEMS DURING FINAL BIDDING.
- ⑦ EC TO COORDINATE WITH MECHANICAL CONTRACTOR/FIRE ALARM CONTRACTOR FOR INSTALLATION OF DUCT-MOUNTED SMOKE DETECTOR TO ENSURE THEY ARE INTEGRATED INTO BUILDING FIRE ALARM SYSTEM. NOTE: DUCT DETECTOR SHALL BE SET TO INITIATE SUPERVISORY SIGNAL IN FIRE ALARM CONTROL PANEL. SEE SHEET 'E401'.
- ⑧ PER MECHANICAL DESIGN, MECHANICAL CONTRACTOR IS TO FURNISH AND INSTALL LOW VOLTAGE TIMING RELAY (EQUAL TO RELE BRDB) THAT IS INTERLOCKED WITH HVAC CONTROLS TO SHUT DOWN PAV-1 IN THE EVENT THAT THE DOOR IS OPEN FOR TEN CONSECUTIVE MINUTES. EC TO FURNISH AND INSTALL JUNCTION BOX AND CONDUIT FOR RELAY INSTALLATION. COORDINATE WITH MECHANICAL CONTRACTOR AND/OR CONTROLS CONTRACTOR FOR SIZING AND EXACT MOUNTING HEIGHT/LOCATION OF JUNCTION BOX AND CONDUIT, AND FOR ANY ADDITIONAL ELECTRICAL REQUIREMENTS.



POWER NEW WORK PLAN
SCALE: 1/4" = 1'-0"

REVISIONS:

No.	Description	Date

POWER NEW WORK
PLAN

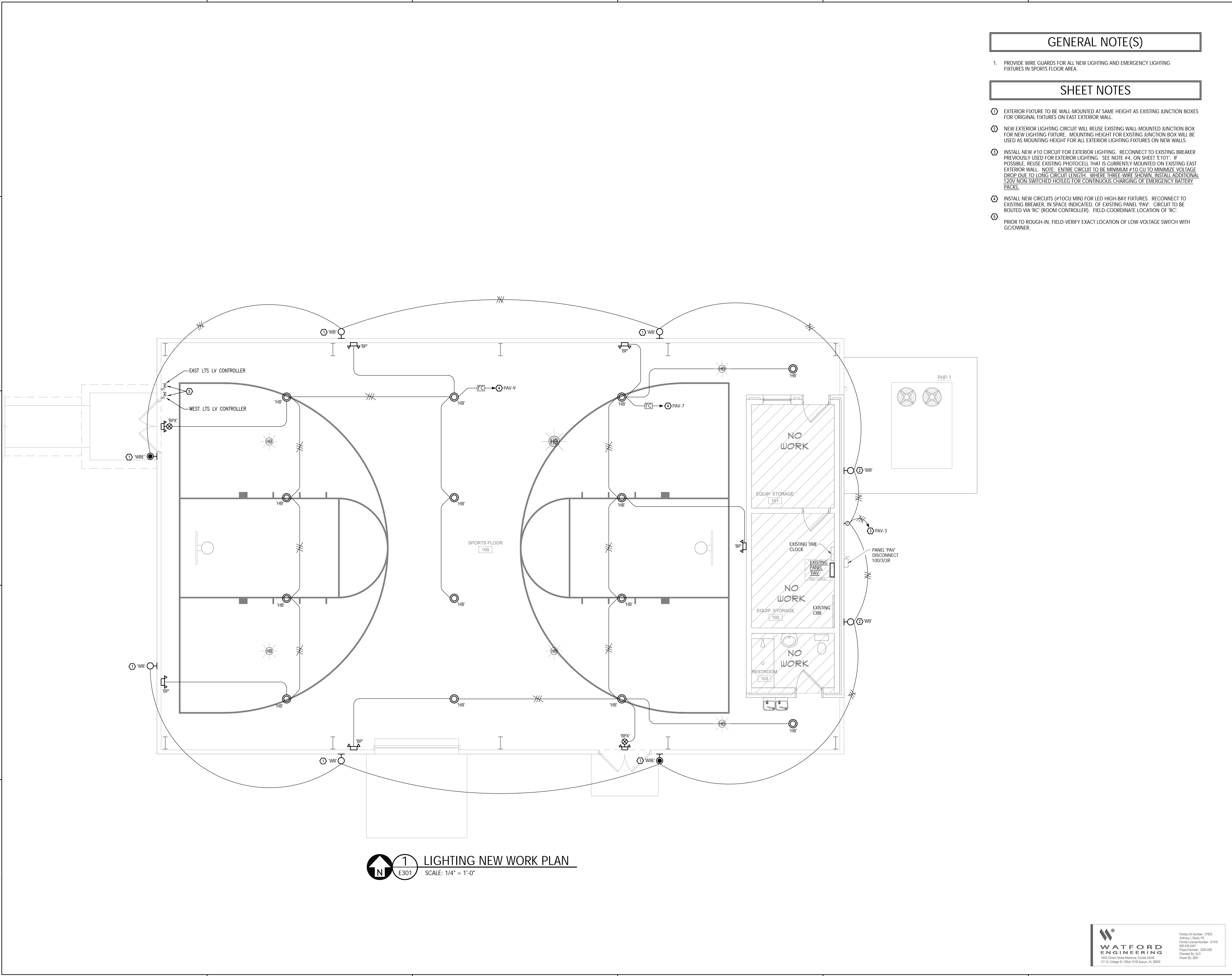
PROJECT NUMBER 24012
DATED 04.19.2024

WATFORD
ELECTRICAL ENGINEERS

Florida CA Number: 27825
Anthony Clark, P.E.
Florida License Number: 57419
905.522.2447
Project Number: 2024-028
Checked By: ALD
Drawn By: SPH

4452 Clinton Street Marietta, Florida 32846
311 N. College St. Office 1018 Auburn, AL 36802

23000 Progress Print August 4th, 2024
 © 2021 DAG ARCHITECTS, INC. ALL RIGHTS RESERVED. NO PART OF THIS DOCUMENT MAY BE COPIED, REPRODUCED OR TRANSMITTED IN ANY MANNER WITHOUT WRITTEN PERMISSION OF DAG ARCHITECTS, INC. THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY AND COPYRIGHT OF DAG ARCHITECTS, INC. AND SHALL NOT BE USED ON ANY OTHER PROJECT OR LOCATION EXCEPT AS DESCRIBED ON THE DRAWINGS, WITHOUT THE PRIOR WRITTEN AGREEMENT OF DAG ARCHITECTS.



GENERAL NOTE(S)

1. PROVIDE WIRE GUARDS FOR ALL NEW LIGHTING AND EMERGENCY LIGHTING FIXTURES IN SPORTS FLOOR AREA.

SHEET NOTES

- ① EXTERIOR FIXTURE TO BE WALL-MOUNTED AT SAME HEIGHT AS EXISTING JUNCTION BOXES FOR ORIGINAL FIXTURES ON EAST EXTERIOR WALL.
- ② NEW EXTERIOR LIGHTING CIRCUIT WILL REUSE EXISTING WALL-MOUNTED JUNCTION BOX FOR NEW LIGHTING FIXTURE. MOUNTING HEIGHT FOR EXISTING JUNCTION BOX WILL BE USED AS MOUNTING HEIGHT FOR ALL EXTERIOR LIGHTING FIXTURES ON NEW WALLS.
- ③ INSTALL NEW #10 CIRCUIT FOR EXTERIOR LIGHTING. RECONNECT TO EXISTING BREAKER PREVIOUSLY USED FOR EXTERIOR LIGHTING. SEE NOTE #4, ON SHEET 'E101'. IF POSSIBLE, REUSE EXISTING PHOTOCELL THAT IS CURRENTLY MOUNTED ON EXISTING EAST EXTERIOR WALL. NOTE: ENTIRE CIRCUIT TO BE MINIMUM #10 CU TO MINIMIZE VOLTAGE DROP DUE TO LONG CIRCUIT LENGTH. WHERE THREE-WIRE SHOWN, INSTALL ADDITIONAL 120V NON-SWITCHED HOTLEG FOR CONTINUOUS CHARGING OF EMERGENCY BATTERY PACKS.
- ④ INSTALL NEW CIRCUITS (#10CU MIN) FOR LED HIGH-BAY FIXTURES. RECONNECT TO EXISTING BREAKER, IN SPACE INDICATED, OF EXISTING PANEL 'PAV'. CIRCUIT TO BE ROUTED VIA 'RC' (ROOM CONTROLLER). FIELD-COORDINATE LOCATION OF 'RC'.
- ⑤ PRIOR TO ROUGH-IN, FIELD-VERIFY EXACT LOCATION OF LOW-VOLTAGE SWITCH WITH GC/OWNER.

1 LIGHTING NEW WORK PLAN
 E301 SCALE: 1/4" = 1'-0"



ARCHITECTS
 DAG Architects AR0008694
 455 Harrison Ave Suite 1 & J Panama City, FL 32401
 850.387.1671
 www.DAGarchitects.com

100% REVIEW DOCUMENTS

NOT FOR CONSTRUCTION

**PLANS FOR
 NEW HORIZONS LEARNING CENTER
 PAVILION ENCLOSURE**

3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

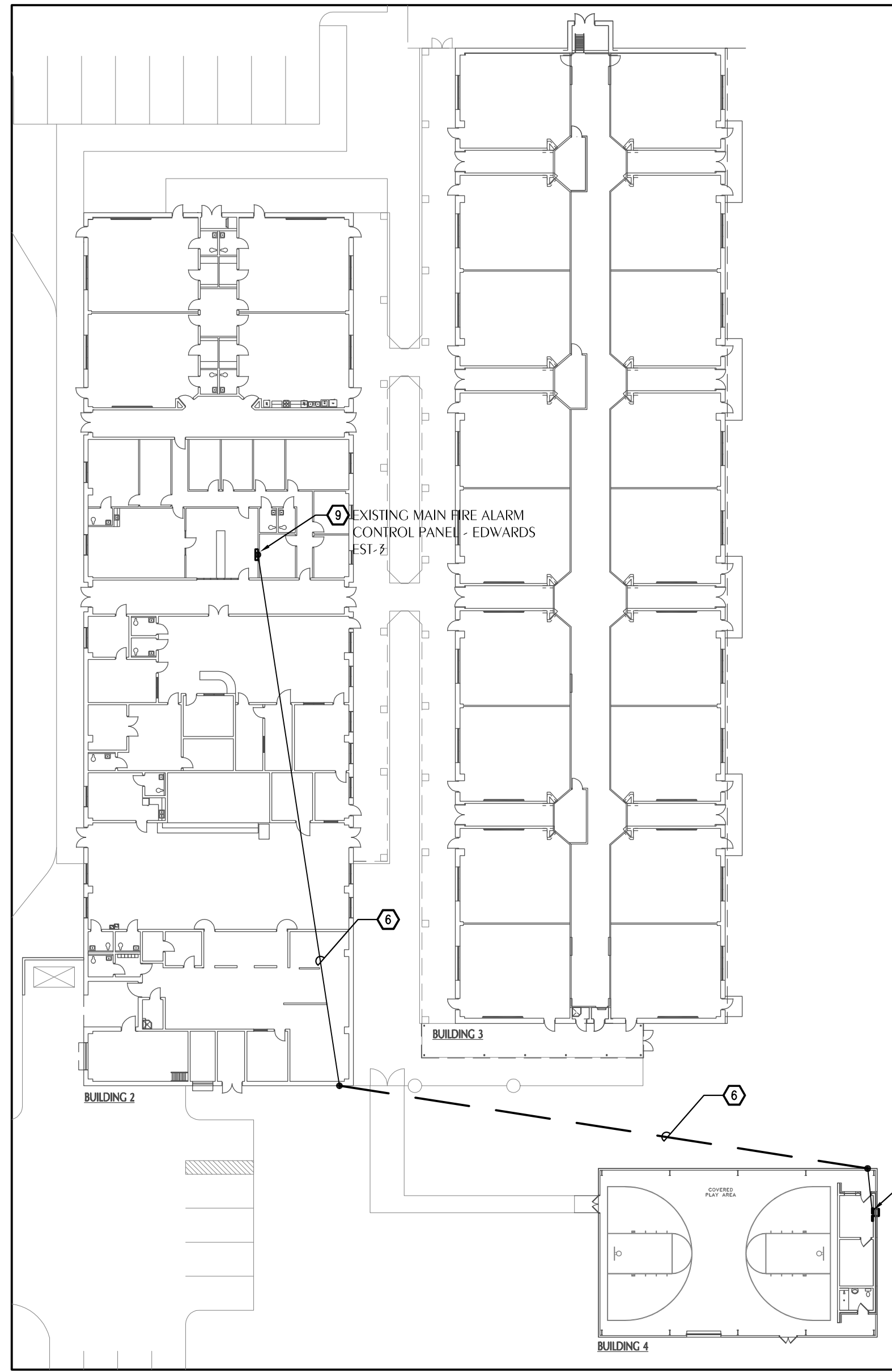
No.	Description	Date

LIGHTING NEW WORK PLAN

Florida CA Number: 27825
 Anthony Davis, P.E.
 Florida License Number: 07419
 850.531.3447
 Project Number: 2024-026
 Checked By: ALD
 Drawn By: SJH

PROJECT NUMBER: **24012**
 DATED: **04.19.2024**

E301



2 FIRE ALARM SITE PLAN
SCALE: NONE

BID ALTERNATE #1

THE FOLLOWING ITEMS ARE TO BE INCLUDED AS AN ALTERNATE FIRE ALARM DESIGN IN THE EVENT THAT THE OWNER DOES NOT WISH TO UPGRADE TO VOICE EVACUATION AT THIS TIME.

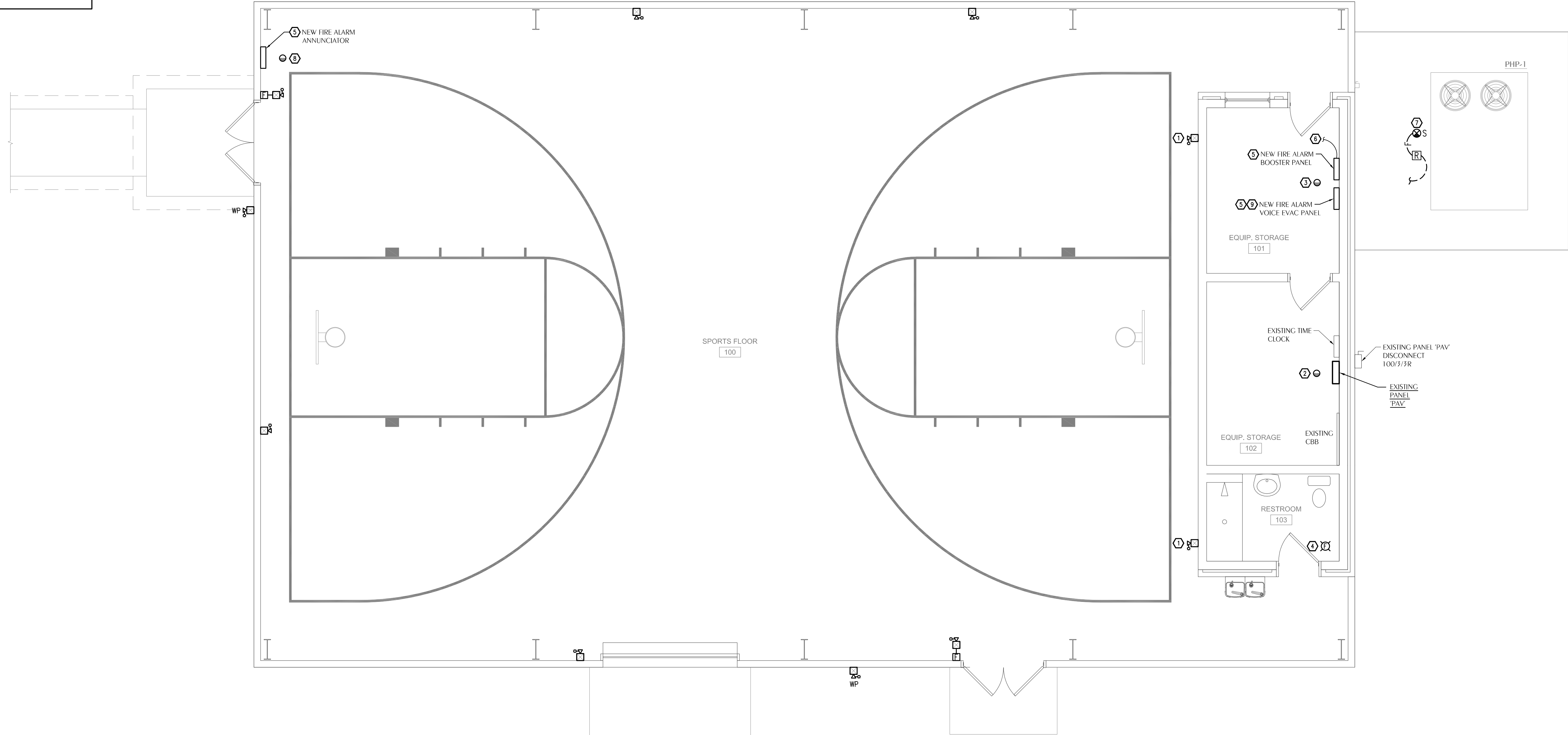
- REMOVE CHANGING EXISTING EDWARDS EST3 SYSTEM TO EST4; EXISTING EST3 SYSTEM TO REMAIN.
- REMOVE INSTALLATION OF VOICE EVACUATION PANEL IN PAVILION EQUIPMENT STORAGE ROOM.
- REMOVE INSTALLATION OF NEW ANNUNCIATOR IN MAIN BUILDING WITH MICROPHONE.
- REMOVE EQUIPMENT FOR PASS-THROUGH AUDIO FROM MAIN BUILDING TO PAVILION.
- REMOVE INSTALLATION OF SPEAKER STROBE DEVICES, INSTALL HORN STROBE DEVICES IN LOCATIONS WHERE SPEAKER STROBE IS SHOWN BELOW.

GENERAL NOTE(S)

1. PROVIDE WIRE GUARDS FOR ALL NEW FIRE ALARM DEVICES AND PANELS IN SPORTS FLOOR AREA AND FOR DEVICES MOUNTED ON BUILDING EXTERIOR.
2. ALL FIRE ALARM CABLING IS TO BE FULLY ROUTED IN CONDUIT.

SHEET NOTES

- ① REPLACE EXISTING WALL-MOUNTED FIRE ALARM DEVICE WITH NEW SPEAKER STROBE TO MATCH NEW DEVICES IN SPORTS FLOOR AREA. INSTALL NEW DEVICE IN EXISTING LOCATION. RECONNECT TO EXISTING FIRE ALARM CIRCUIT. NOTE: EXISTING FIRE ALARM SYSTEM IS EDWARDS, EST3. SEE NOTE #9, THIS SHEET.
- ② INSTALL NEW SMOKE DETECTOR. REUSE EXISTING CEILING-MOUNTED JUNCTION BOX.
- ③ INSTALL NEW CEILING-MOUNTED SMOKE DETECTOR IN EXISTING HARD CEILING TO AVOID NEW PENETRATIONS IN EXISTING CMU WALLS. EXTEND/ADD FIRE ALARM WIRING AND CONDUIT AS NEEDED TO INTEGRATE NEW DEVICE INTO EXISTING FIRE ALARM SYSTEM. NOTE: EXISTING FIRE ALARM SYSTEM IS EDWARDS, EST3. SEE NOTE #9, THIS SHEET. IF EXISTING CEILING MUST BE CUT TO RELOCATE DEVICE, PATCH AND PAINT TO MATCH EXISTING.
- ④ PRIOR TO PROJECT, FIRE ALARM DEVICE WAS MOUNTED CLOSE TO SHOWER HEAD. REMOVE EXISTING DEVICE, SEAL AND PATCH OPENING IN CMU WALL TO ELIMINATE WATER INFILTRATION. NEW DEVICE IS TO BE RELOCATED FURTHER AWAY FROM POSSIBLE WATER SPRAY FROM SHOWER HEAD AND TO BE CEILING-MOUNTED TO AVOID ADDITIONAL PENETRATIONS TO EXISTING CMU WALLS. EXTEND/ADD FIRE ALARM WIRING AND CONDUIT AS NEEDED TO INTEGRATE NEW DEVICE INTO EXISTING FIRE ALARM SYSTEM. NOTE: EVEN THOUGH NEW MOUNTING LOCATION WILL BE FURTHER FROM SHOWER HEAD, NEW FIRE ALARM DEVICE WILL STILL NEED TO BE DAMP LOCATION LISTED. IF EXISTING CEILING MUST BE CUT TO RELOCATE DEVICE, PATCH AND PAINT TO MATCH EXISTING.
- ⑤ COORDINATE WITH OWNER/FIRE ALARM CONTRACTOR FOR EXACT MOUNTING LOCATION OF NEW FIRE ALARM PANEL/ANNUNCIATOR.
- ⑥ COORDINATE WITH OWNER/FIRE ALARM CONTRACTOR FOR INSTALLATION OF 2" CONDUIT AND LOW-CAPACITANCE FIRE ALARM DATA WIRE, SO THAT PAVILION FIRE ALARM PANELS MAY BE INTERCONNECTED WITH MAIN FIRE ALARM CONTROL PANEL AND PA SYSTEM LOCATED IN MAIN BUILDING. SEE SHEET 'E501'. NOTE: EXISTING MAIN FIRE ALARM CONTROL PANEL IS EDWARDS, EST3. SEE NOTE #9, THIS SHEET. PANEL IS LOCATED IN MAIN LOBBY OF BUILDING 2. PRIOR TO CONSTRUCTION, FIELD-VERIFY THE REQUIRED NUMBER/TYPE OF CABLES WITH IT CONTRACTOR.
- ⑦ FIRE ALARM CONTRACTOR TO FURNISH DUCT SMOKE DETECTOR FOR HVAC UNIT AND RELAY FOR CONNECTION TO FIRE ALARM SYSTEM. COORDINATE WITH MECHANICAL CONTRACTOR FOR DUCT SMOKE DETECTOR INSTALLATION AND WITH FIRE ALARM CONTRACTOR FOR CONNECTION TO FIRE ALARM SYSTEM. NOTE: DUCT DETECTOR SHALL BE SET TO INITIATE SUPERVISORY SIGNAL IN FIRE ALARM CONTROL PANEL.
- ⑧ SMOKE DETECTOR TO BE WALL-MOUNTED ABOVE REMOTE ANNUNCIATOR.
- ⑨ CURRENT MAIN FIRE ALARM CONTROL PANEL IS EDWARDS EST3. IN ORDER TO BE COMPATIBLE WITH VOICE EVACUATION, FIRE ALARM CONTRACTOR SHALL UPGRADE DISPLAY AND CPU OF MAIN FIRE ALARM CONTROL PANEL LOCATED IN MAIN LOBBY OF BUILDING 2 TO EDWARDS EST4 SYSTEM. FIRE ALARM CONTRACTOR TO COORDINATE WITH OWNER FOR INSTALLATION OF NEW ANNUNCIATOR PANEL, MICROPHONE, AND PASS-THROUGH AUDIO FROM THE PAVILION VOICE EVAC PANEL TO THE NEW ANNUNCIATOR PANEL LOCATED IN THE MAIN BUILDING.



1 FIRE ALARM PLAN
SCALE: 1/4" = 1'-0"



DAG Architects AR000694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1071
www.DAGarchitects.com

100% REVIEW
DOCUMENTS

NOT FOR
CONSTRUCTION

PLANS FOR
**NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE**
3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

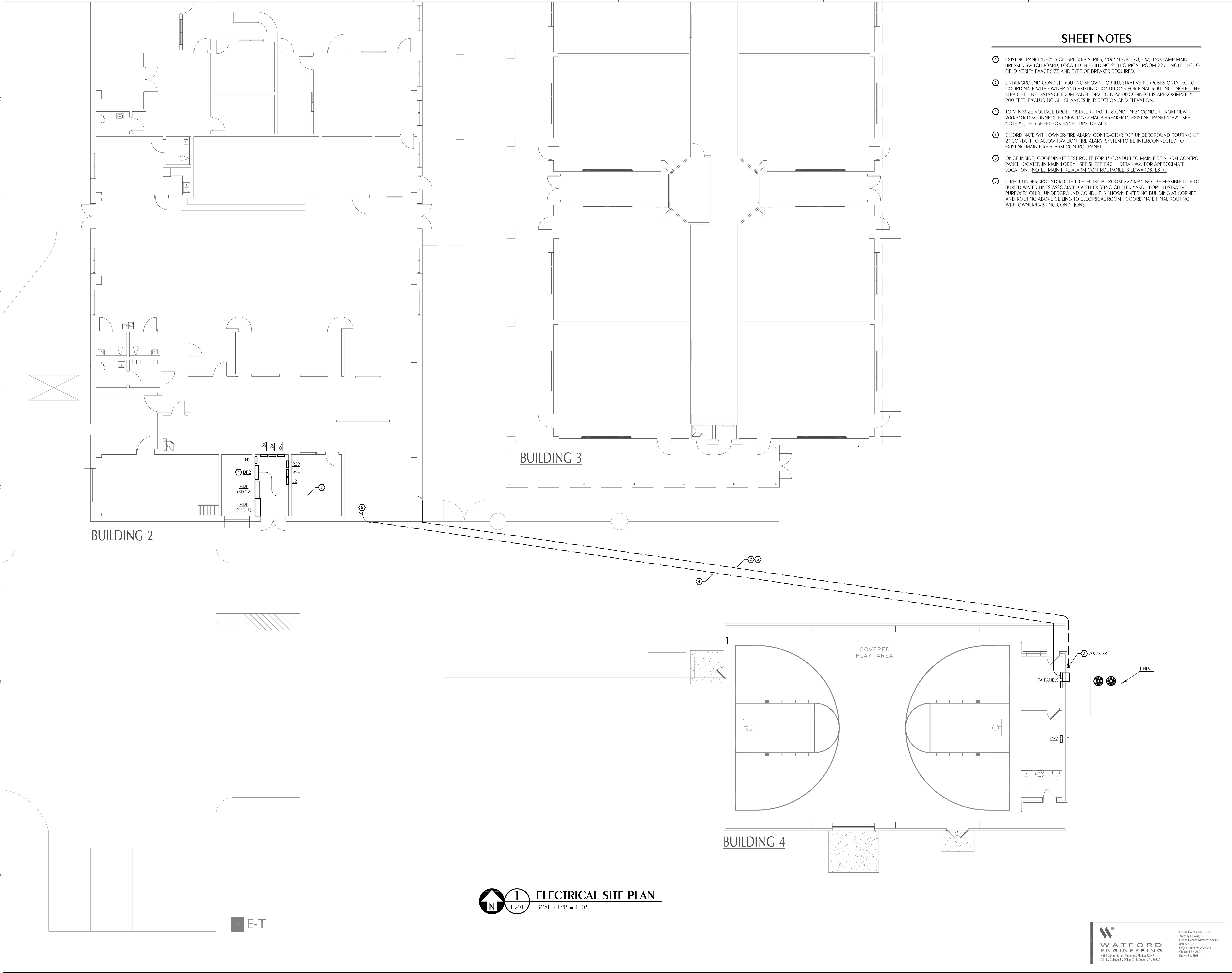
No.	Description	Date

FIRE ALARM PLAN

PROJECT NUMBER **24012**
DATED **04.19.2024**

Florida CA Number: 27825
Anthony Clarke, P.E.
Florida License Number: 57419
905.502.3447
Project Number: 2024-0206
Checked By: ALD
Drawn By: SRH
4452 Clinton Street Marietta, Florida 30066
311 N. College St. Office 1018 Auburn, AL 36802

E401



SHEET NOTES

- ① EXISTING PANEL DP2 IS GE SPECTRA SERIES, 208Y/120V, 3Ø, 4W, 1200 AMP MAIN BREAKER SWITCHBOARD, LOCATED IN BUILDING 2 ELECTRICAL ROOM 227. NOTE: EC TO FIELD VERIFY EXACT SIZE AND TYPE OF BREAKER REQUIRED.
- ② UNDERGROUND CONDUIT ROUTING SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. EC TO COORDINATE WITH OWNER AND EXISTING CONDITIONS FOR FINAL ROUTING. NOTE: THE STRAIGHT LINE DISTANCE FROM PANEL DP2 TO NEW DISCONNECT IS APPROXIMATELY 200 FEET, EXCLUDING ALL CHANGES IN DIRECTION AND ELEVATION.
- ③ TO MINIMIZE VOLTAGE DROP, INSTALL 3#10, 1#6 GND, IN 2" CONDUIT FROM NEW 2000/3/3R DISCONNECT TO NEW 125/3 HACR BREAKER IN EXISTING PANEL DP2. SEE NOTE #1, THIS SHEET FOR PANEL DP2 DETAILS.
- ④ COORDINATE WITH OWNER/FIRE ALARM CONTRACTOR FOR UNDERGROUND ROUTING OF 2" CONDUIT TO ALLOW PAVILION FIRE ALARM SYSTEM TO BE INTERCONNECTED TO EXISTING MAIN FIRE ALARM CONTROL PANEL.
- ⑤ ONCE INSIDE, COORDINATE BEST ROUTE FOR 1" CONDUIT TO MAIN FIRE ALARM CONTROL PANEL LOCATED IN MAIN LOBBY. SEE SHEET E-401, DETAIL #2, FOR APPROXIMATE LOCATION. NOTE: MAIN FIRE ALARM CONTROL PANEL IS EDWARDS, ES12.
- ⑥ DIRECT UNDERGROUND ROUTE TO ELECTRICAL ROOM 227 MAY NOT BE FEASIBLE DUE TO BURIED WATER LINES ASSOCIATED WITH EXISTING CHILLER YARD. FOR ILLUSTRATIVE PURPOSES ONLY, UNDERGROUND CONDUIT IS SHOWN ENTERING BUILDING AT CORNER AND ROUTING ABOVE CEILING TO ELECTRICAL ROOM. COORDINATE FINAL ROUTING WITH OWNER/EXISTING CONDITIONS.



ARCHITECTS

DAG Architects AR000694
455 Harrison Ave Suite 1 & J Panama City, FL 32401
850.387.1871
www.DAGarchitects.com

100% REVIEW
DOCUMENTS

NOT FOR
CONSTRUCTION

PLANS FOR
**NEW HORIZONS LEARNING CENTER
PAVILION ENCLOSURE**
3200 Minnesota Ave., Panama City, FL 32405

REVISIONS:

No.	Description	Date

ELECTRICAL SITE
PLAN

PROJECT NUMBER **24012**
DATED **04.19.2024**

E501

WATFORD
4432 Clinton Street Marietta, Florida 32446
311 N. College St. Office 1018 Auburn, AL 36830

Florida CA Number: 27825
Anthony Clark, P.E.
Florida License Number: 57419
904.533.2447
Project Number: 2024-026
Checked By: ALD
Drawn By: SPH

ELECTRICAL SITE PLAN
SCALE: 1/8" = 1'-0"

E-T