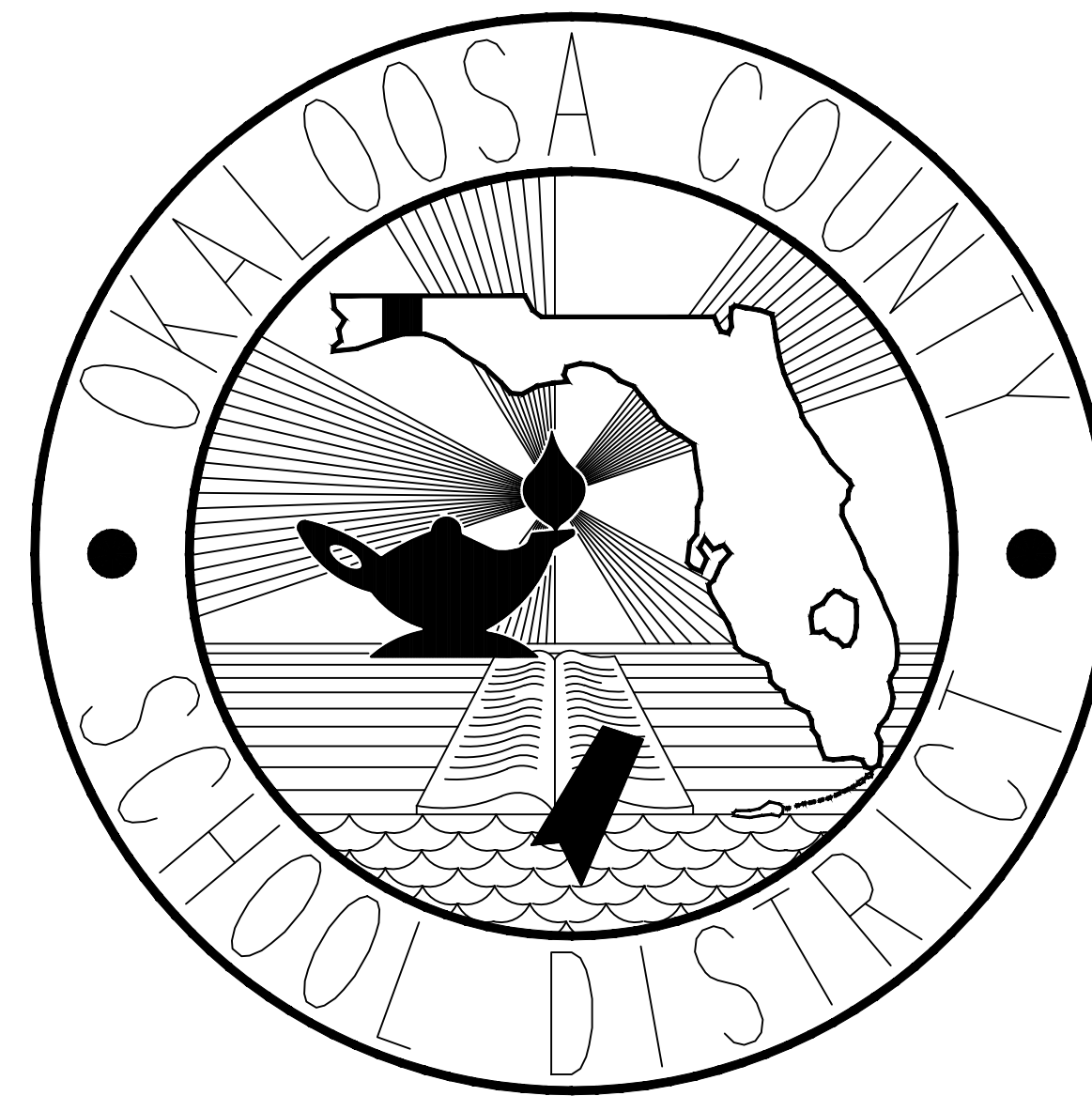


CAFETERIA RENOVATION FOR NICEVILLE HIGH SCHOOL

NICEVILLE, FLORIDA

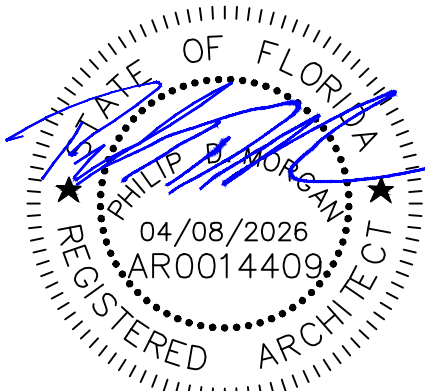
OKALOOSA COUNTY PUBLIC SCHOOLS OKALOOSA COUNTY, FLORIDA



Consultants:

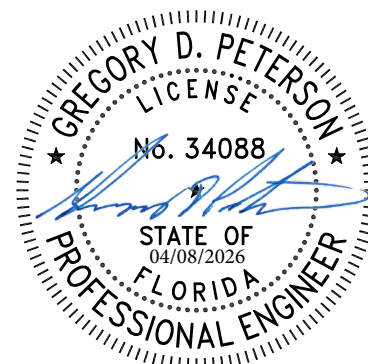
Architectural

Heffernan Holland Morgan Architecture, P.A.
312 South Alcaniz Street
Pensacola, Florida 32502
Florida Lic. No. C001942
Phone: 850-433-2799
Fax: 850-433-3109
POC: Jeff Fuller



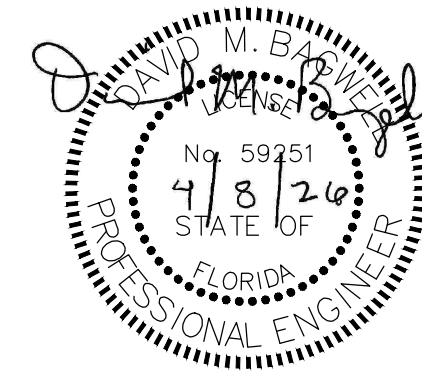
Mechanical

Peterson Engineering Inc.
75 South 1st Street
Pensacola, Florida 32502
Florida Lic. No. 3600
Phone: 850-434-0513
Fax: 850-434-9674
POC: Jeremy Ingalls



Electrical/Telecomm

Bagwell Engineering
216 E. Government Street
Pensacola, Florida 32502
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Phone: 850-462-8040
POC: David Bagwell



Project No: 1021.87

Issue FINAL

Date APRIL 8, 2026

Jacobs | TITAN TECHNOLOGIES™

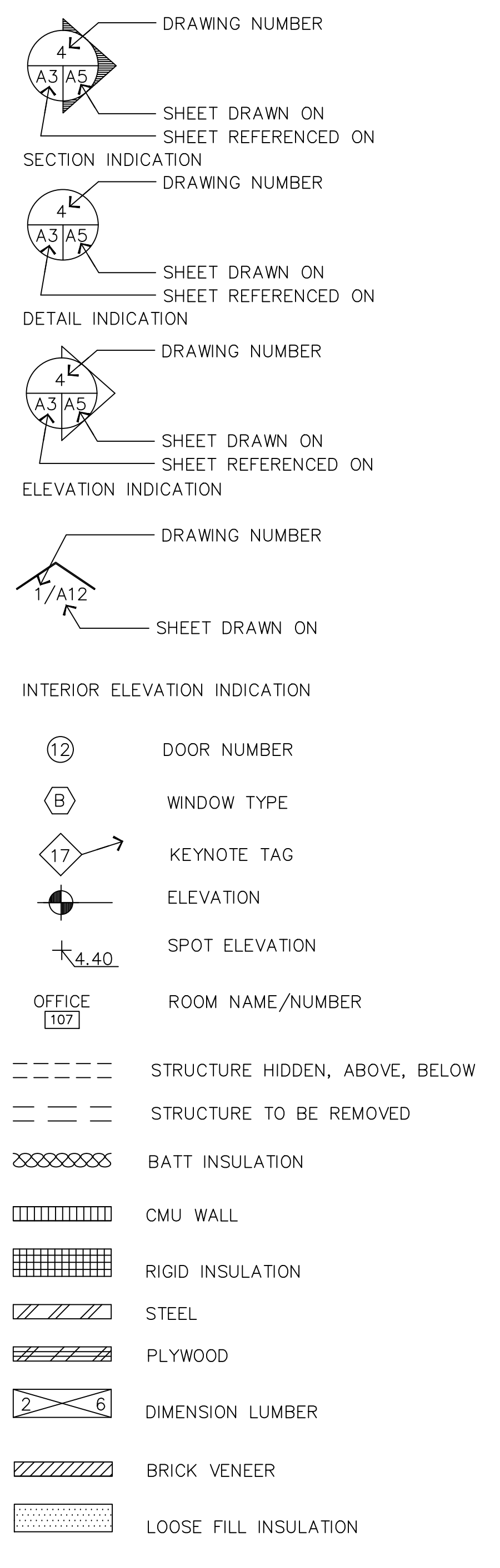
4008 Legendary Drive Suite 600 Destin, FL 32541

Heffernan Holland Morgan Architecture, P.A.
312 South Alcaniz Street
Pensacola, Florida 32502
Florida Lic. No. C001942

GENERAL ABBREVIATIONS

A, AMP AB A/C AC ACI ACM ACoust ACT ADJ AEA AFT AHU ASC	AMPS ANCHOR BOLT AIR CONDITIONING ALTERNATING CURRENT OR ASPHALT CONCRETE AMERICAN CONCRETE INSTITUTE ASBESTOS CONTAINING MATERIAL ACOUSTICAL ACOUSTICAL CEILING TILE ADJACENT OR ADJUSTABLE AREA OF EVACUATION ASSISTANCE ABOVE FINISHED FLOOR AIR HANDLING UNIT AMERICAN INSTITUTE OF STEEL CONSTRUCTION ALUMINUM ALTERNATE ANITE MERIDIAN AMERICAN NATIONAL STANDARDS INSTITUTE APPROXIMATELY APPROVED ARCHITECT, ARCHITECTURAL ASBESTOS AMERICAN SOCIETY OF HEATING, REFRIGERATION AND AIR CONDITIONING ENGINEERS AMERICAN SOCIETY OF MECHANICAL ENGINEERS AMERICAN SOCIETY OF TESTING MATERIALS AUTOMATIC AUTOMATION AUXILIARY AVERAGE AMERICAN WAGE GAGE	F F TO F FACP FDC FEC FFE FG FH FHV FX FL FLEX FLR FLUOR FM FMS FT FV FV FV G	DEGREES FAHRENHEIT FACE TO FACE FIRE ALARM CONTROL PANEL FIRE EXTINGUISHER FIRE EXTINGUISHER CABINET FINISHED FLOOR ELEVATION FINISHED GRADE FIRE HYDRANT FIRE HOSE CABINET FIXTURE FLOW LINE FLOOR OR FLOORING FLUORESCENT FACTORY MUTUAL FROM OR FIRE RATED FOOT OR FEET FOOTING OR FITTING FUTURE FIELD VERIFY FIRE VALVE CABINET	N N/A NEC NEG NEMA NFPA NIC NO NOM NPS N/A	NORTH NOT APPLICABLE NATIONAL ELECTRIC CODE NEGATIVE NATIONAL ELECTRIC MANUFACTURERS ASSOCIATION NATIONAL FIRE PROTECTION ASSOCIATION NOT IN CONTRACT NUMBER NOMINAL NOT TO SCALE OVERALL ON CENTER OUTSIDE DIAMETER OR OVERFLOW DRAIN OUTSIDE FACE OFFICE OPPOSITE HAND OR OVERHEAD OPENING OPPOSITE ORIGONAL OUNCE	T T & G TACH TBO TECH TEL TEMP TERRAZZO THICK TOC TOD TOF TOS TOW TP TSTG TYP	TREAD OR TANGENT DISTANCE TONGUE AND GROOVE TACHOMETER TO BE DETERMINED TECHNICAL TELEPHONE TEMPERATURE, TEMPORARY TERRAZZO THICK TOP OF CONCRETE TOP OF DUCT TOP OF FOOTING TOP OF STEEL TOP OF WALL TOP OF PAVEMENT TESTING TYPICAL
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GENERAL SYMBOLS



CODE ANALYSIS

THESE DOCUMENTS WERE PRODUCED UNDER THE FOLLOWING GUIDELINES:

- SREF, 2014: STATE REQUIREMENTS FOR EDUCATIONAL FACILITIES
- FLORIDA BUILDING CODE, 2023
- NFPA, NATIONAL FIRE PROTECTION ASSOCIATION
- ANSI, AMERICAN NATIONAL STANDARDS INSTITUTE
- FM, FACTORY MUTUAL ENGINEERING AND RESEARCH
- NFPA 101, 2024: SAFETY TO LIFE FROM FIRE IN BUILDINGS AND STRUCTURES
- ASTM, AMERICAN SOCIETY FOR TESTING AND MATERIALS
- ASCE 7-22, AMERICAN SOCIETY OF CIVIL ENGINEERS' MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES.

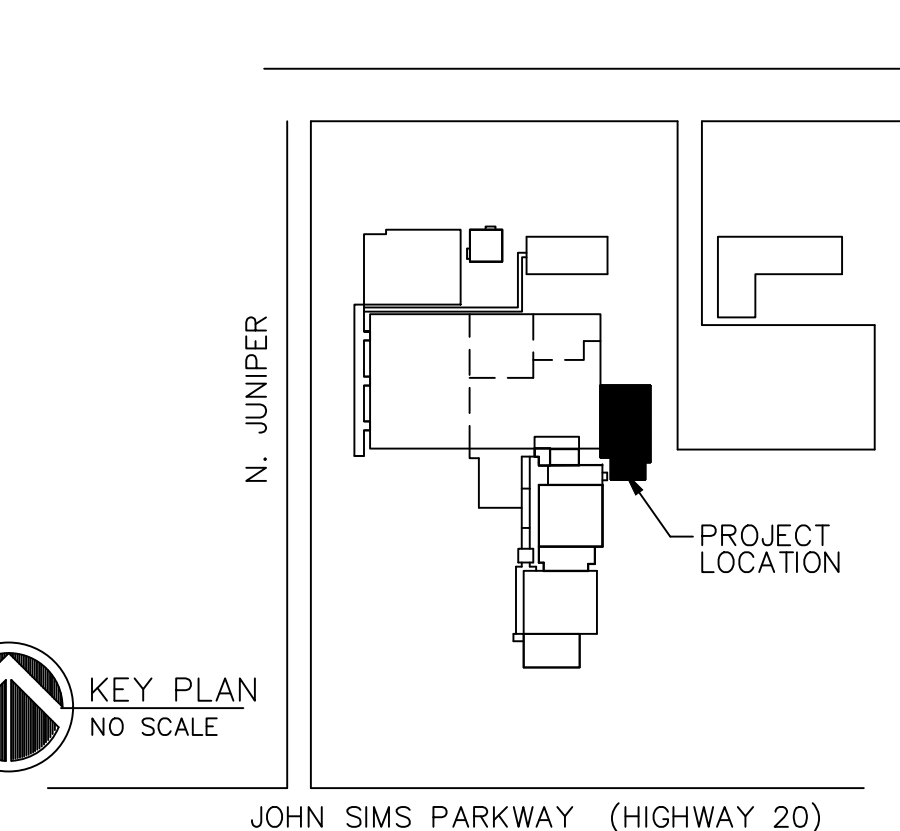
GENERAL NOTES

- THESE DRAWINGS WERE COMPILED BY THE ARCHITECT FROM ON-SITE OBSERVATIONS FOR THE PURPOSE OF INDICATING PLAN ARRANGEMENTS & LOCATION OF THE WORK REQUIRED.
- CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS AFFECTING HIS WORK.
- CONTRACTOR SHALL PROTECT ALL EXISTING FINISHES, SURFACES, MATERIALS, AND EQUIPMENT TO REMAIN, BOTH INTERIOR AND EXTERIOR TO THE BUILDING, AND ADJACENT BUILDINGS DURING THE EXTENT OF THE WORK. THE CONTRACTOR SHALL REPLACE ANY AND ALL FINISHES, SURFACES, MATERIALS AND EQUIPMENT, DAMAGED BY HIS WORK, WITH NEW TO MATCH EXISTING.
- CONTRACTOR SHALL COORDINATE SCHEDULING OF ALL WORK WITH JACOBS/TITAN.
- CONTRACTOR SHALL KEEP SCHOOL GROUNDS FREE OF ANY AND ALL DIRT AND DEBRIS CAUSED BY HIS WORK ON A DAILY BASIS. KEEP GUTTERS AND STORM INLETS FREE OF DIRT AND DEBRIS TO MAINTAIN PROPER DRAINAGE.

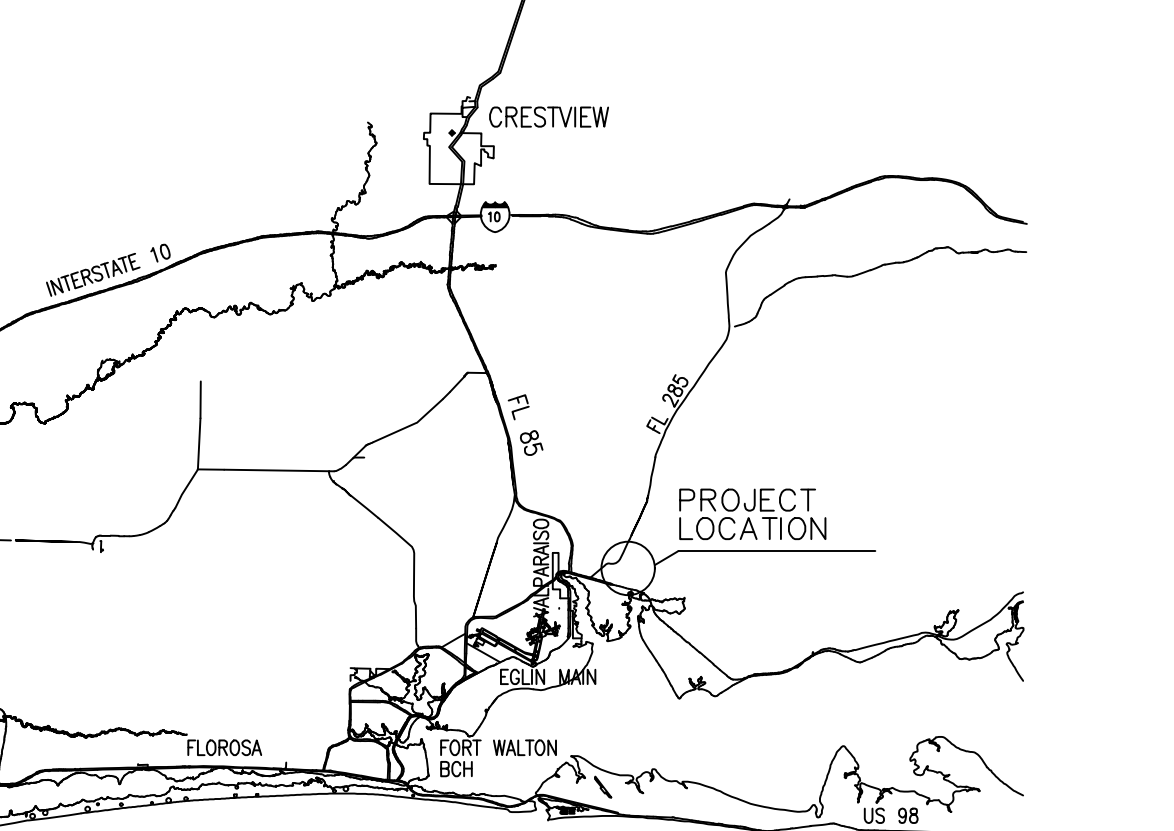
DRAWING LIST

- ## GENERAL
- G1- COVER SHEET
 - G2- ABBREVIATIONS, GENERAL NOTES, DRAWING LIST, VICINITY MAPS, CODE ANALYSIS
- ## ARCHITECTURE
- D1 - FLOOR PLAN - DEMOLITION
 - A1 - FLOOR PLAN - NEW WORK
- ## MECHANICAL
- M-1 - HVAC LEGEND AND GENERAL NOTES
 - M-2 HVAC PLAN - DEMOLITION
 - M-3 HVAC PLAN - NEW WORK
- ## ELECTRICAL
- ED-1 - LIGHTING PLAN - DEMOLITION
 - E-1 - ELECTRICAL LEGEND AND GENERAL NOTES
 - E-2 - LIGHTING FIXTURE AND DETAILS
 - E-3 - LIGHTING PLAN - NEW WORK
 - E-4 - LIGHTING CONTROL DETAILS
- ## TELECOMMUNICATIONS
- T-1 - LEGEND, NOTES, AND ABBREVIATIONS
 - T-2 - FLOR PLANS - DEMOLITION AND NEW WORK
 - T-3 - DETAILS AND RISER DIAGRAM

LOCATION MAP NICEVILLE HIGH SCHOOL



VICINITY MAP



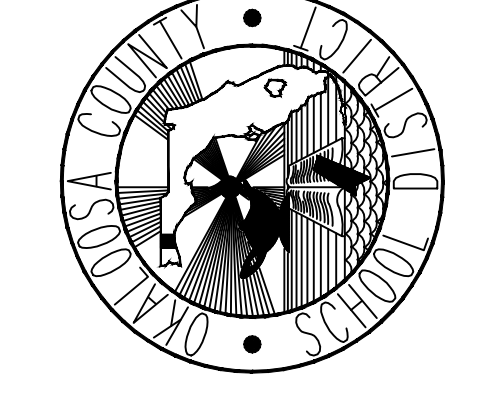
4008 Legendary Drive Suite 600 Destin, FL 32541

Heffernan Holland Morgan Architecture, P.A.
312 South Alcaniz Street
Pensacola, Florida 32502
Florida Lic. No. C001942

Revision:
Date: By: Description:

Cafeteria Renovation For
Niceville High School

Niceville, Florida
Okaloosa County Public Schools
Okaloosa County, Florida



Seal: [Professional Seal]

Project No.: 1021.87

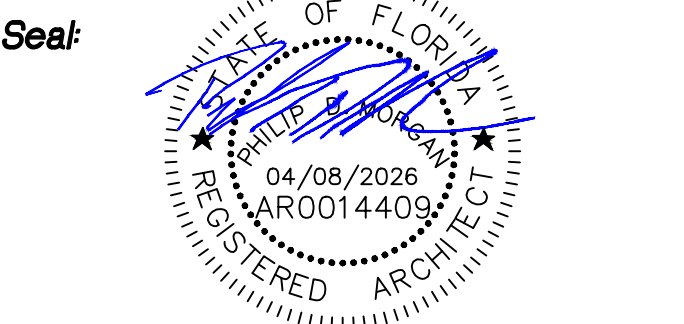
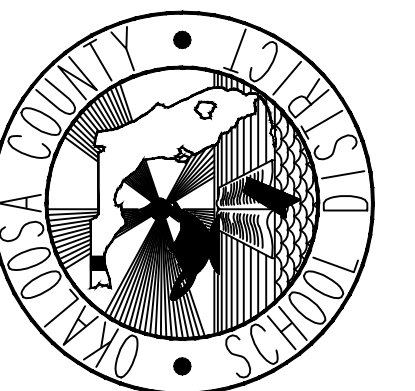
Drawing Title:
ABBREVIATIONS,
GENERAL NOTES, DRAWING
LIST, VICINITY MAPS, CODE
ANALYSIS

Date: APRIL 8, 2026

Designed By: JEF
Drawn By: JEF
Checked By: PDM

Drawing No.:
G2

Cafeteria Renovation For
Niceville High School
Niceville, Florida
Okaloosa County Public Schools
Okaloosa County, Florida



Project No: 1021.87

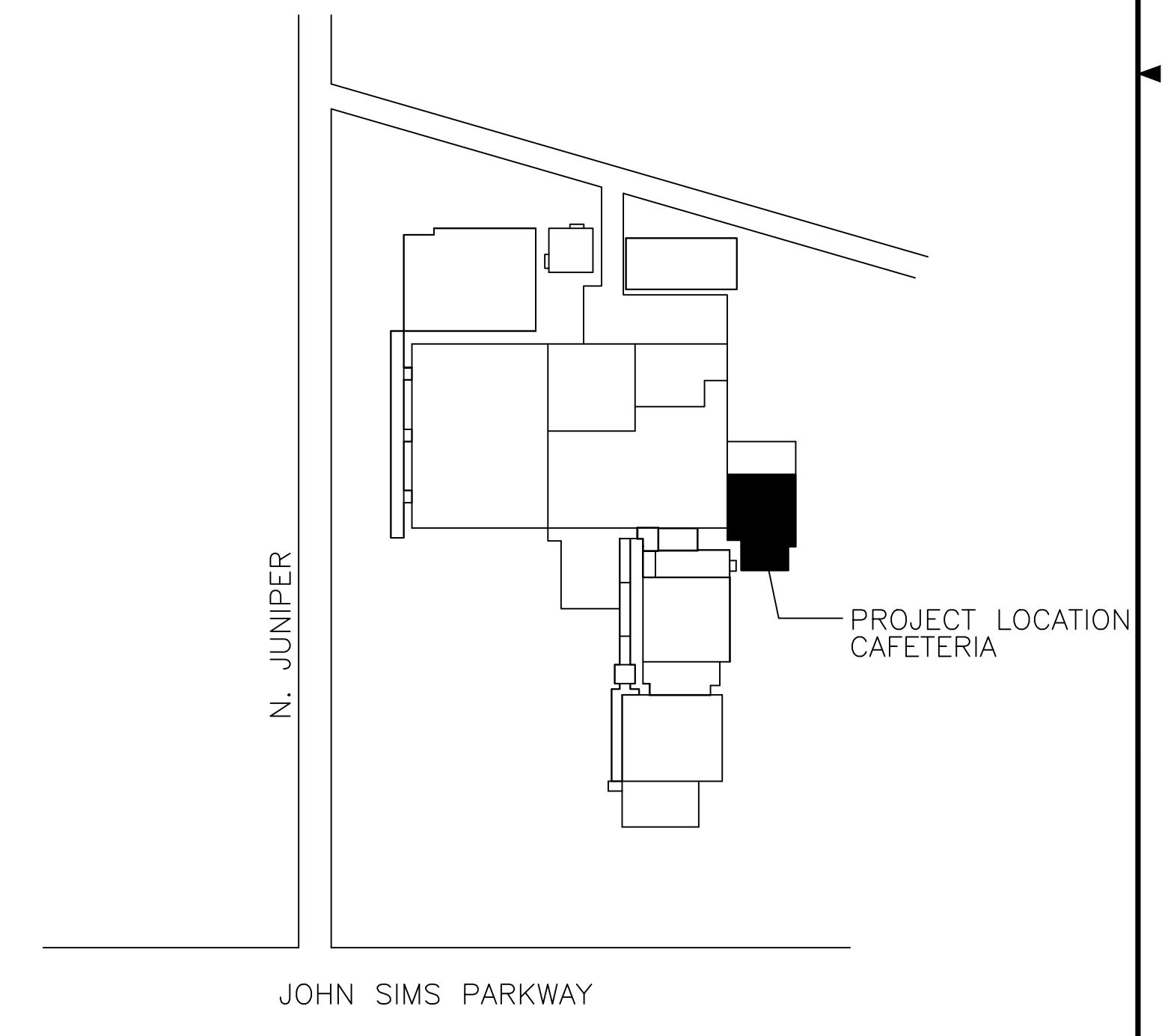
Drawing Title:
EXISTING CAFETERIA
FLOOR PLAN - DEMOLITION

Date: APRIL 8, 2026

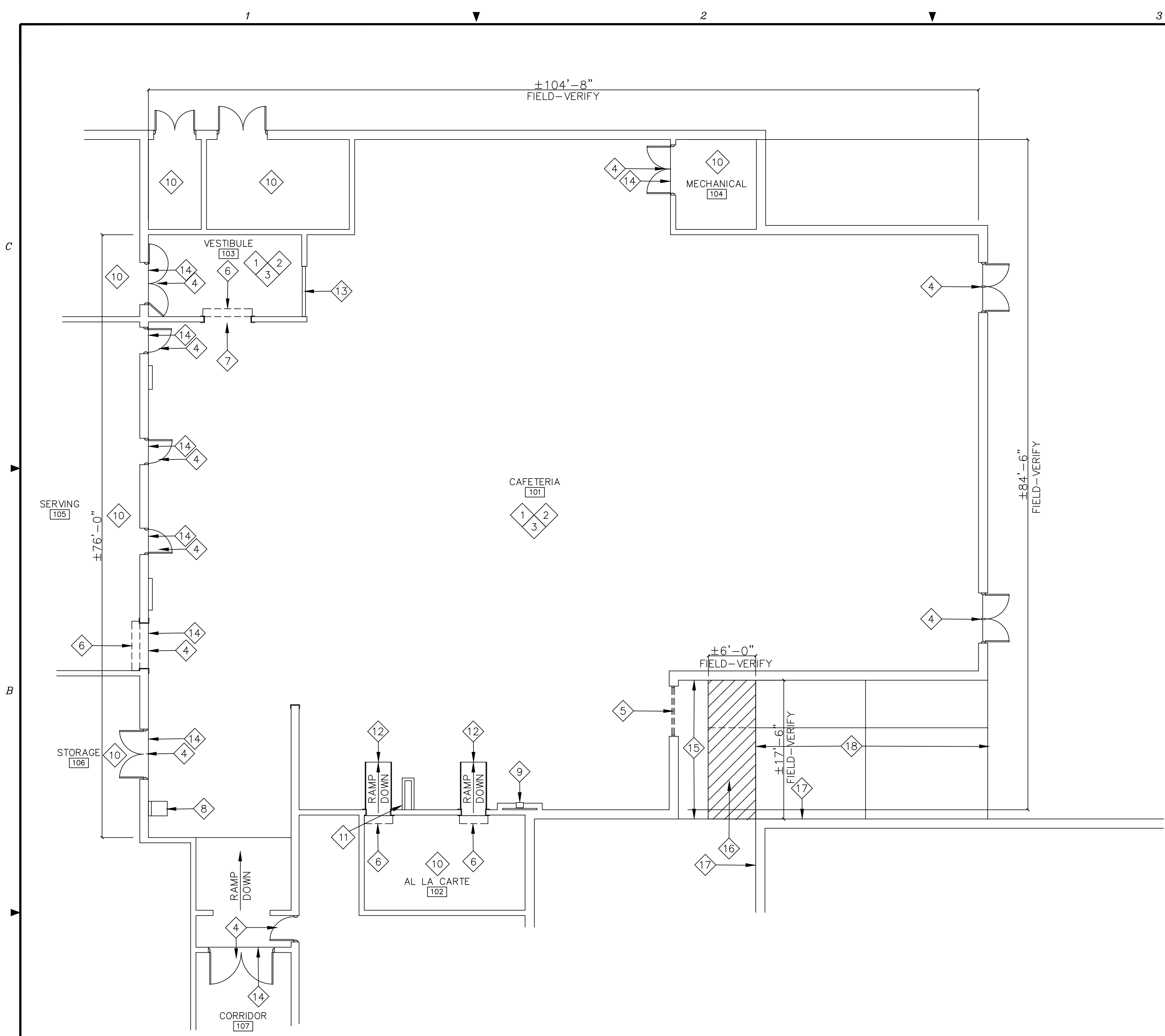
Designed By: JEF
Drawn By: JEF
Checked By: PDM
Drawing No: D1

KEYNOTES: THIS SHEET ONLY.

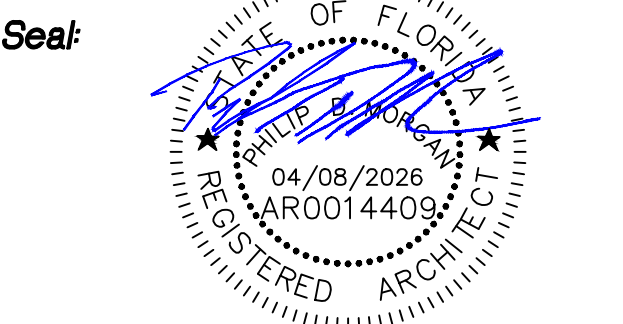
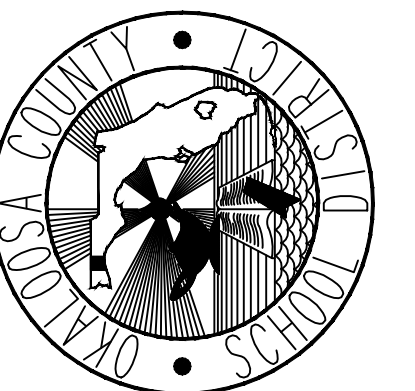
- 1 REMOVE EXISTING FLOORING AND BASE IN THEIR ENTIRETY. CLEAN AND PREP EXISTING SLAB TO RECEIVE NEW FLOOR FINISH. PROTECT SLAB AND ANY AND ALL CLEAN OUTS AND OTHER FLOOR RECESSED ITEMS FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 2 REMOVE EXISTING LAY-IN CEILING SYSTEM, LIGHT FIXTURES, INCLUDING EMERGENCY LIGHTS, DIFFUSERS, AND RETURN GRILLES, IN THEIR ENTIRETY. PROTECT EXISTING EQUIPMENT, UTILITIES, CONDUITS, DUCTWORK, WIRING, AND ROOF STRUCTURE TO REMAIN FROM DAMAGE DURING EXTENT OF WORK. TYPICAL. REMOVE ANY AND ALL CEILING-MOUNTED CAMERAS IN THEIR ENTIRETY. TEMPORARILY SUPPORT ALL EXISTING SPEAKERS, AND FIRE ALARM DEVICES TO REMAIN. PROTECT FROM DAMAGE DURING EXTENT OF WORK. COORDINATE ALL REMOVALS WITH MECHANICAL AND ELECTRICAL DOCUMENTS. TYPICAL.
- 3 CLEAN AND PREP ALL EXISTING CMU AND GYPSUM BOARD WALLS, AND PAINTED WOOD TRIM (AT APPROXIMATELY 6'-8" A.F.F.) AND WOOD TRIM AT DOORS AND CASSED OPENINGS TO RECEIVE NEW PAINT FINISH. PROTECT WALLS AND ALL WALL-MOUNTED ITEMS AND DEVICES FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 4 CLEAN AND PREP ALL EXISTING DOORS, FRAMES, AND MULLIONS TO RECEIVE NEW PAINT FINISH, BOTH INTERIOR AND EXTERIOR SURFACES. PROTECT ALL EXISTING HARDWARE AND SIGNAGE TO REMAIN (DO NOT PAINT). TYPICAL.
- 5 REMOVE EXISTING STOREFRONT SYSTEM IN ITS ENTIRETY. PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 6 EXISTING WALL-MOUNTED OVERHEAD COILING DOOR SYSTEM TO REMAIN. DURING EXTENT OF WORK. TYPICAL.
- 7 EXISTING CASSED OPENING. CLEAN AND PREP ALL WOOD TRIM TO RECEIVE NEW PAINT FINISH. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 8 EXISTING DRINKING FOUNTAIN. PROTECT FROM DAMAGE DURING EXTENT OF WORK.
- 9 EXISTING FIRE EXTINGUISHER CABINET. PROTECT FROM DAMAGE DURING EXTENT OF WORK.
- 10 NO WORK THIS AREA UNLESS NOTED OTHERWISE.
- 11 EXISTING WALL RECESS WITH VALVE, TO REMAIN. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 12 TEMPORARILY REMOVE, STORE, AND PROTECT EXISTING RAMP AND RAILING SYSTEM AS REQUIRED TO ACCOMMODATE FLOORING REMOVAL.
- 13 EXISTING 5'-0" GYPSUM BOARD AND STUD WALL TO REMAIN. CLEAN AND PREP TO RECEIVE NEW PAINT. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 14 LIMIT LINE OF FLOORING REMOVAL. TYPICAL.
- 15 EXISTING UNPAVED SANDY AREA. EXCAVATE AS REQUIRED TO PROVIDE NEW COMPACTED BASE AND REINFORCED CONCRETE SLAB.
- 16 SAW-CUT AND REMOVE EXISTING CONCRETE PAVING IN ITS ENTIRETY. REMOVE CONCRETE SECTIONS TO NEAREST EXISTING CONTROL JOINT. PROTECT EXISTING PAVING, AND ADJACENT CONSTRUCTION, TO REMAIN FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 17 EXISTING BUILDING. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 18 EXISTING CONCRETE PAVING TO REMAIN, TYPICAL. PROTECT FROM DAMAGE DURING EXTENT OF WORK.



KEY PLAN
NO SCALE
DO NOT SCALE DRAWINGS

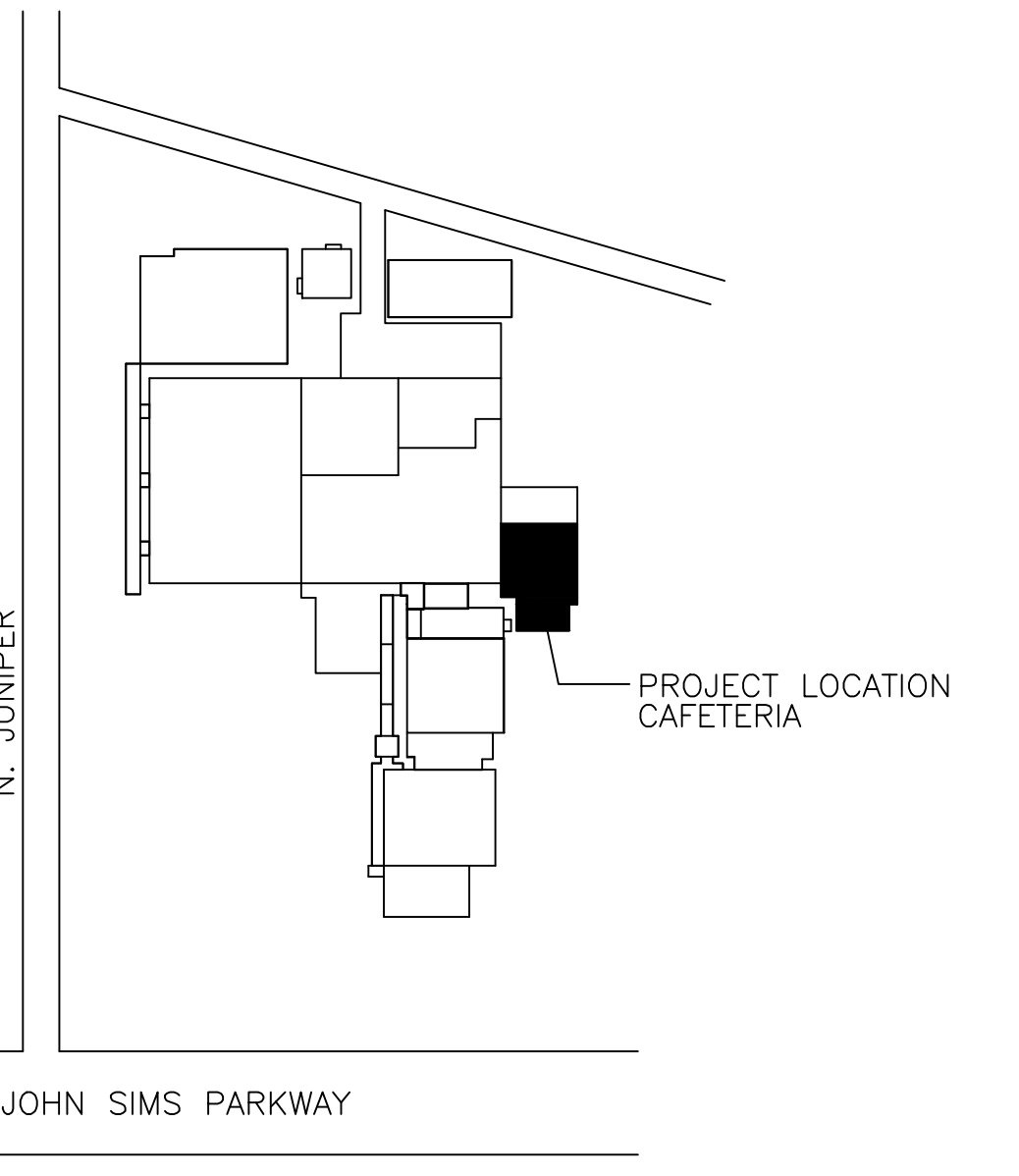


FLOOR PLAN - DEMOLITION
SCALE: 1/8"=1'-0"



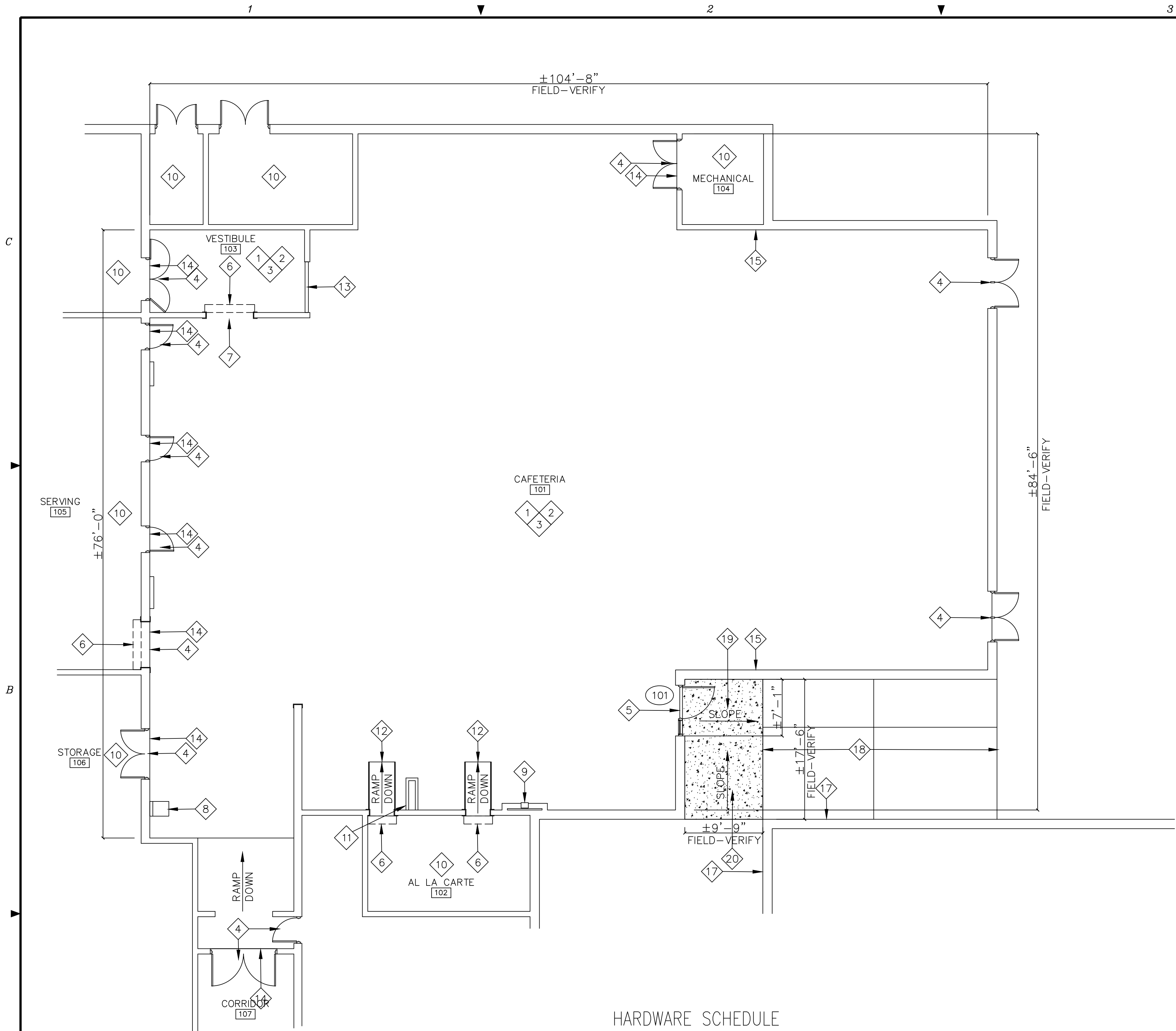
KEYNOTES: THIS SHEET ONLY.

- 1 PROVIDE NEW LVT VINYL FLOOR SYSTEM, AND 4" HIGH RUBBER BASE, CONTINUOUS. FLOORING PATTERN AND COLOR, AND BASE COLOR, SHALL BE SELECTED BY JACOBS/TITAN. TYPICAL.
- 2 ALL ITEMS ABOVE THE FORMER DROPPED CEILING SHALL BE PAINTED BLACK WITH DRYFALL PAINT SYSTEM. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR RELATED WORK. PROTECT ALL ITEMS TO REMAIN FROM DAMAGE DURING DURING EXTENT OF WORK. TYPICAL.
- 3 PAINT ALL CMU AND GYPSUM BOARD WALLS, WOOD TRIM (AT APPROXIMATELY 6'-8" A.F.F.) AND WOOD TRIM AT DOORS AND CASING OPENINGS. PROTECT ALL ITEMS NOT TO BE PAINTED FROM DAMAGE DURING EXTENT OF WORK. COLORS SHALL BE SELECTED BY JACOBS/TITAN. TYPICAL.
- 4 PAINT ALL DOORS, FRAMES, AND MULLIONS, BOTH INTERIOR AND EXTERIOR SURFACES. PROTECT ALL EXISTING HARDWARE AND SIGNAGE TO REMAIN (DO NOT PAINT). TYPICAL. COLORS SHALL BE SELECTED BY JACOBS/TITAN.
- 5 NEW 4'-0" X 7'-0" GHM DOOR AND FRAME, WITH DIVIDED SIDELITE, DOOR, FRAME, GLAZING AND HARDWARE SHALL BE HURRICANE/IMPACT-RATED. PAINT DOOR AND FRAME. SEE SPECIFICATIONS, AND HARDWARE SCHEDULE (THIS SHEET)
- 6 EXISTING WALL-MOUNTED OVERHEAD COILING DOOR SYSTEM TO REMAIN. DURING EXTENT OF WORK. TYPICAL.
- 7 EXISTING CASING OPENING. PAINT ALL WOOD TRIM. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL. COLORS SHALL BE SELECTED BY JACOBS/TITAN.
- 8 EXISTING DRINKING FOUNTAIN. PROTECT FROM DAMAGE DURING EXTENT OF WORK.
- 9 EXISTING FIRE EXTINGUISHER CABINET. PROTECT FROM DAMAGE DURING EXTENT OF WORK.
- 10 NO WORK THIS AREA UNLESS NOTED OTHERWISE.
- 11 EXISTING WALL RECESS WITH VALVE, TO REMAIN. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 12 RE-INSTALL EXISTING RAMP AND RAILING SYSTEM AFTER INSTALLATION OF NEW FLOOR FINISH. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 13 EXISTING 5'-0" GYPSUM BOARD AND STUD WALL. PAINT. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL. COLORS SHALL BE SELECTED BY JACOBS/TITAN.
- 14 LIMIT LINE OF NEW FLOORING. TYPICAL.
- 15 GROUT HOLES IN CMU AT PREVIOUSLY DEMOLISHED WALL-MOUNTED EQUIPMENT. FILL HOLES COMPLETELY, AND STRIKE FLUSH WITH FACE OF CMU. PREP TO RECEIVE NEW PAINT.
- 16 5/8" THICK INSULATED GLASS WITH 1/4" TEMPERED GREY-TINTED OUTER LITE AND 1/4" THICK IMPACT-RESISTANT LAMINATED CLEAR INNER LITE. FURNISH AND INSTALL SECURITY VISION FILM ON ALL GLAZING FACING STREETS AS DIRECTED BY JACOBS/TITAN.
- 17 EXISTING BUILDING. PROTECT FROM DAMAGE DURING EXTENT OF WORK. TYPICAL.
- 18 EXISTING CONCRETE PAVING TO REMAIN, TYPICAL. PROTECT FROM DAMAGE DURING EXTENT OF WORK.
- 19 NEW 4" THICK, REINFORCED CONCRETE LEVEL LANDING OVER 10MIL VAPOR BARRIER OVER COMPACTED BASE TREATED WITH TERMITICIDE. SEE SPECIFICATIONS. PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING EXTENT OF WORK. TYPICAL. SLOPE CONCRETE AWAY FROM DOOR.
- 20 NEW 4" THICK, REINFORCED CONCRETE PAVING OVER 10MIL VAPOR BARRIER OVER COMPACTED BASE TREATED WITH TERMITICIDE. SEE SPECIFICATIONS. PROTECT EXISTING CONSTRUCTION TO REMAIN FROM DAMAGE DURING EXTENT OF WORK. TYPICAL. NEW PAVING SHALL SLOPE TO INTERFACE WITH NEW CONCRETE LANDING AND ADJOINING EXISTING PAVING.



KEY PLAN
 NO SCALE

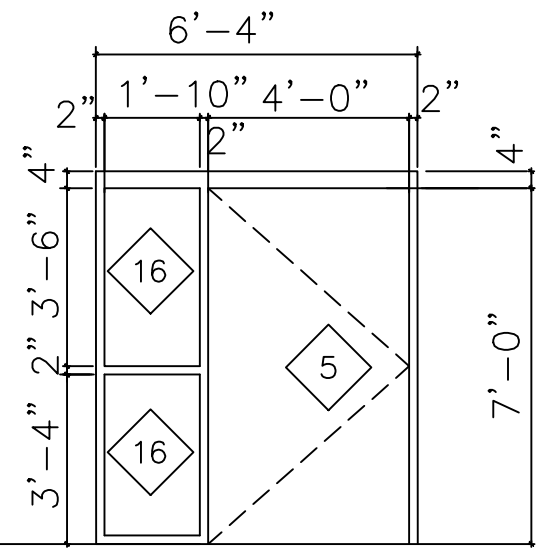
DO NOT SCALE DRAWINGS



HARDWARE SCHEDULE

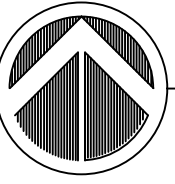
- SET #1 - DOOR 101 (SINGLE 4'-0" X 7'-0" EXTERIOR ENTRY/EXIT FUNCTION)
 EACH TO HAVE:
- | | |
|--|---------------------|
| 1 EACH CONTINUOUS GEARED HINGE 661HD UL 83" EPT PREP | AL ST |
| 1 EA EXIT DEVICE 99HL | 28X32D |
| 1 EA SCHLAGE RIM CYLINDER W/ INTRUDER FUNCTION | 26D |
| 1 EA CLOSER 8616 SPAB | AL. LAQ. |
| 1 SET WEATHERSTRIPPING 303AV | ALUM. |
| 1 EA THRESHOLD 896 | ALUM. |
| 1 EA SWEEP 315AN | ALUM. |
| 1 EA DRIP STRIP 17 | ALUM. (MILL FINISH) |
| 1 EA FLOOR STOP 269F | BLACK RUBBER |

ALL LOCKING HARDWARE SHALL HAVE FLORIDA PRODUCT APPROVAL NUMBER FOR HURRICANE-RATED HARDWARE.



101
 EXTERIOR GHM DOOR
 GHM FRAME W/ SIDELITE
 HURRICANE/IMPACT RATED
 FLORIDA PRODUCT APPROVAL NUMBER

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



ELECTRICAL GENERAL NOTES

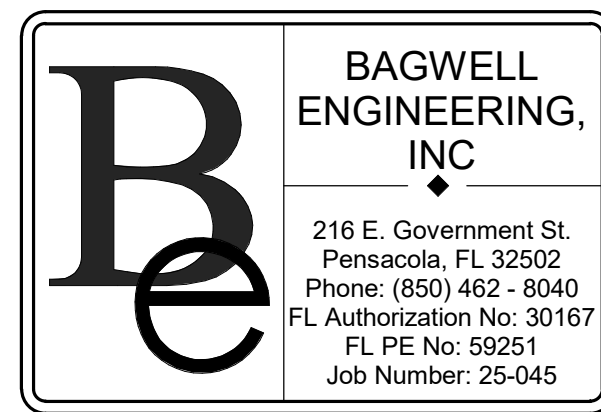
1. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL WORK WITH OTHER TRADES PRIOR TO INSTALLATION.
2. REFER TO MECHANICAL AND PLUMBING DRAWINGS FOR EXACT SIZE AND LOCATION OF EQUIPMENT WHICH IS FURNISHED BY OTHERS AND CONNECTED BY ELECTRICAL.
3. RECEPTACLES, SWITCHES AND COVER PLATES COLOR SHALL BE SELECTED BY THE ARCHITECT FROM STANDARD COLORS.
4. LOCATION OF LIGHTING FIXTURES, DISCONNECT SWITCHES, ETC. FOR MECHANICAL EQUIPMENT/ROOM SHALL BE COORDINATED WITH FINAL MECHANICAL EQUIPMENT LOCATION TO PROVIDE NATIONAL ELECTRIC CODE REQUIRED ACCESS SPACE. FINAL CONNECTION TO ALL MOTORS SHALL BE WITH FLEXIBLE CONDUIT CONNECTION.
5. ALL EXIT AND EMERGENCY FIXTURES SHALL BE CONNECTED TO LIGHTING CIRCUIT AHEAD OF LOCAL SWITCH.
6. ALL PANELBOARDS, BACKBOARDS, TERMINAL CABINETS, DISCONNECTS, 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 MECHANICAL 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 FLORIDA STATE BUILDING CODE 2023 AND THE NATIONAL ELECTRIC CODE 2023.
11. OBTAIN ALL PERMITS REQUIRED BY LOCAL ORDINANCES.
12. OBTAIN ARCHITECTS APPROVAL OF ALL LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELBOARDS, ETC. PRIOR TO PURCHASING.
13. THE GENERAL CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF ANY CONFLICTS/DISCREPANCIES BETWEEN DISCIPLINES BEFORE ORDERING EQUIPMENT/MATERIALS.
14. DECORATIVE COVER PLATES FOR RECEPTACLE OUTLETS, SWITCHES, ETC. SHALL BE STAINLESS STEEL; REFER TO ELECTRICAL SPECIFICATIONS
15. INSTALL OCCUPANCY SENSORS AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS. ALL CONDUCTORS (INCLUDING CONTROLS) ASSOCIATED WITH OCCUPANCY SENSORS AND POWER PACKS SHALL BE INSTALLED IN 1/2" CONDUIT MINIMUM.
16. ELECTRICAL CONTRACTOR SHALL PAINT AND LABEL ALL JUNCTION BOXES TO IDENTIFY PANEL AND CIRCUIT; SEE ELECTRICAL SPECIFICATIONS.
17. ALL CONDUCTORS INDICATED ON PLAN SHALL BE COPPER.
18. ALL CABLING IN PLENUM AREAS NOT INSTALLED IN CONDUIT SHALL BE PLENUM RATED.
19. ELECTRICAL CONTRACTOR SHALL SUBMIT A SCALED SHOP DRAWING OF ALL ELECTRICAL ROOMS INDICATING THE EXACT SIZES, LOCATIONS, AND DESIGNATIONS OF THE FOLLOWING: PANELBOARDS, FIRE ALARM CONTROL PANEL, INTERCOM SYSTEM, TERMINAL CABINET, LIGHTING CONTACTOR, HOA SWITCH AND COMMUNICATION BACKBOARD.
20. ELECTRICAL CONTRACTOR SHALL COORDINATE WITH JACOBS/TITAN REPRESENTATIVE, THE LOCATIONS AND HEIGHTS OF ALL ELECTRICAL DEVICES FOR TYPICAL LAYOUTS OF CLASSROOMS AND OTHER ROOMS PRIOR TO ELECTRICAL (INCLUDING TELECOMM) DEVICE ROUGH-IN.
21. THE ELECTRICAL CONTRACTOR SHALL OBTAIN APPROVED VENDOR SHOP DRAWINGS FOR ALL SYSTEMS (INTERCOM, FIRE ALARM, ETC) PRIOR TO INSTALLING ANY CONDUIT OR JUNCTION BOXES TO ENSURE THE SYSTEM INSTALLATION IS FULLY COORDINATED. THE SHOP DRAWINGS SHALL SUPERSEDE THE DESIGN DRAWINGS. ADDITIONALLY A COORDINATION MEETING BETWEEN EACH VENDOR AND ELECTRICAL CONTRACTOR SHALL OCCUR PRIOR TO THE ROUGH-IN PHASE. THIS MEETINGS SHALL BE DOCUMENTED AND PROVIDE INFORMATION TO ASSIST EACH OTHER WITH COORDINATION.
22. THE ELECTRICAL CONTRACTOR SHALL REVIEW THE COMMUNICATIONS 'T' SHEETS AND SECURITY 'TY' SHEETS AND PROVIDE/INSTALL ALL CONDUITS AND GROUNDING NECESSARY TO ASSIST WITH THE COMMUNICATIONS AND SECURITY INSTALL.
23. THE ELECTRICAL AND MECHANICAL CONTRACTOR SHALL PROVIDE A HVAC & ELECTRICAL COORDINATION SHOP DRAWING SPREADSHEET PRIOR TO ROUGH-IN. THE MECHANICAL/PLUMBING PART OF THE SPREADSHEET SHALL LIST ALL MECHANICAL AND PLUMBING EQUIPMENT BEING FURNISHED ON THE PROJECT ALONG WITH THE MANUFACTURER REQUIRED VOLTAGE, PHASE, HORSEPOWER/WATTAGE, MCA, FLA, AND MOC. THE ELECTRICAL PART OF THE SPREADSHEET SHALL LIST THE ELECTRICAL DRAWINGS REQUIREMENT VOLTAGE, PHASE, CIRCUIT BREAKER AMP/POLE, DISCONNECT SIZE, AND FEEDER AND CONDUIT SIZE. IF THE MECHANICAL REQUIREMENTS AND ELECTRICAL REQUIREMENTS DO NOT MATCH, THEN THE CONTRACTOR SHALL ADD TO THE SPREADSHEET WHAT CORRECTIVE ACTION THE CONTRACTORS ARE TAKING TO ENSURE ALL EQUIPMENT IS COORDINATED AND INSTALLED PER THE MANUFACTURERS REQUIREMENTS.
24. HVAC EQUIPMENT POWER WIRING SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR. CONTROL EQUIPMENT AND CONTROL WIRING SHALL BE FURNISHED UNDER DIVISION 15 UNLESS OTHERWISE NOTED. PROVIDE 3/4" CONDUITS WITH PULL WIRE BETWEEN INSIDE AND OUTSIDE UNITS, THERMOSTAT OUTLETS AND UNITS AND/OR MECHANICAL CONTROL PANEL AS APPLICABLE. THERMOSTAT OUTLETS SHALL BE 4" SQUARE OUTLETS, FLUSH MOUNTED WITH SINGLE GANG OR DOUBLE GANG PLASTER RINGS AS DIRECTED BY THE HVAC CONTRACTOR. COORDINATE EXACT LOCATION OF ALL EQUIPMENT, DEVICES, OUTLETS, ETC. WITH THE MECHANICAL DRAWINGS AND DIVISION 15 SPECIFICATIONS. COORDINATE WITH THE HVAC CONTRACTOR FOR EXACT LOCATIONS OF ALL EQUIPMENT.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING AROUND DEVICES, PENETRATIONS, OUTLETS, AND CONDUITS THAT PENETRATE THE WALLS ABOVE THE CEILING TO MAINTAIN SOUNDPROOFING. CONTRACTOR SHALL VERIFY THAT THE OPENING SIZES ARE LESS THAN 1/2" ON ALL SIDES OF THE PENETRATIONS. ALL OPENINGS IN EXCESS OF 1/2" SHALL BE CAULKED/SEALED WITH SHEET ROCK MUD. THE DRYWALL CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING PENETRATIONS IN PLACE WHEN THE SHEETROCK IS INSTALLED. PENETRATIONS MADE AFTER THE DRYWALL CONTRACTOR HAS COMPLETED IN AN AREA SHALL BE SEALED BY THE CONTRACTOR MAKING THE PENETRATION.
26. ENSURE THAT ALL PENETRATIONS OF FIRE WALLS AND DECKS ARE PROPERLY SEALED PER INTERNATIONAL BUILDING CODE 712 AND WITH AN UL APPROVED DEVICE OR FIRE CAULK. REFER TO ARCHITECTURAL PLANS FOR THE LOCATIONS OF RATED FIRE WALLS AND UL ASSEMBLY LOCATIONS AND TYPES AND BID ACCORDINGLY.
27. ALL RACEWAYS SHALL BE SUPPORTED PER NEC AND AT LEAST EVERY 10' AND WITHIN 3' OF EVERY JUNCTION BOX.
28. ALL ELECTRICAL RACEWAYS AND CABLING SHALL BE INSTALLED CONCEALED EXCEPT IN UTILITY AREAS OR WHERE NOTED ON DRAWINGS.
29. ENSURE POWER AND COMMUNICATIONS RACEWAYS ARE SEPARATED A MINIMUM OF 18".

ELECTRICAL LEGEND

<u>CEILING OUTLETS</u>	
	4' PENDANT MOUNTED LIGHT FIXTURE.
	4' PENDANT MOUNTED LIGHT FIXTURE WITH EMERGENCY BATTERY PACK.
<u>WALL OUTLETS</u>	
	WALL MOUNTED EXIT LIGHT
<u>LIGHTING CONTROLS</u>	
	360° CEILING MOUNTED OCCUPANCY SENSOR PROVIDE ASSOCIATED POWER PACKS AS REQUIRED. 'X' REPRESENTS ZONE BEING SERVED.
	LIGHTING CONTROL SWITCH
	ROOM CONTROLLER - 1 ZONE DIMMING; 'X' REPRESENTS ZONE BEING SERVED
	3 WALL DIMMING SWITCHES - ON/OFF & 0-10V DIMMING FOR EACH SWITCH; MOUNT 48" AFF. CONFIRM FINAL LOCATIONS WITH OWNER REPRESENTATIVE PRIOR TO ROUGH-IN. 'x,y,z' REPRESENTS LIGHTING ZONES BEING SERVED; ONE ZONE PER DIMMING SWITCH.
<u>BRANCH CIRCUITING</u>	
	RUN CONCEALED UNDER FLOOR OR BELOW GRADE
	RUN CONCEALED IN CEILING OR WALLS
	HOMERUN TO PANEL. ANY CIRCUIT WITHOUT FURTHER IDENTIFICATION INDICATES 2 #12, 1 #12 GROUND - 3/4" C; 3 #12, 1 #12 GROUND - 3/4" C; 4 #12, 1 #12 GROUND - 3/4" C; ETC. AS PER NEC. LETTERS AND NUMERALS INDICATE PANEL AND CIRCUIT NUMBER.
	LIQUID-TIGHT FLEXIBLE CONDUIT CONNECTION
	SURFACE MOUNTED CONDUIT; RUN PARALLEL OR PERPENDICULAR TO BUILDING LINES
<u>MISCELLANEOUS</u>	
A.F.F.	ABOVE FINISH FLOOR
A.F.G	ABOVE FINISH GRADE
ACD	ACCESS CONTROL DOOR
ACP	ACCESS CONTROL PANEL
C/L	CENTERLINE
C	CONDUIT
GND	GROUND
G	GROUND FAULT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
FACP	FIRE ALARM CONTROL PANEL
U.N.O.	UNLESS NOTED OTHERWISE
WP	WEATHERPROOF

ELECTRICAL LEGEND - DEMOLITION

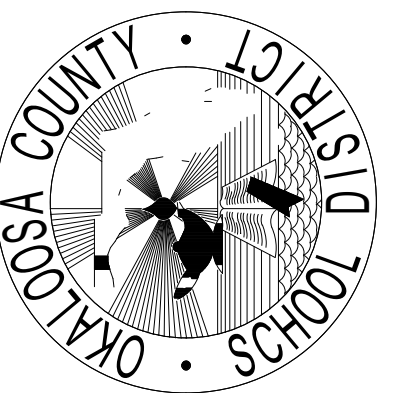
	EXISTING 2'x4' FIXTURE TO BE DEMOLISHED. DEMOLISH ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO THE NEAREST JUNCTION BOX. RETAIN EXISTING BRANCH CIRCUIT FOR REUSE AND RECONNECT TO NEW LIGHTING FIXTURE.
	EXISTING EXIT FIXTURE TO BE DEMOLISHED. DEMOLISH ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO ORIGINAL SOURCE.
	EXISTING EMERGENCY FIXTURE TO BE DEMOLISHED. DEMOLISH ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO ORIGINAL SOURCE.
	EXISTING LIGHTING SWITCH TO BE DEMOLISHED. DEMOLISH ALL ASSOCIATED CONDUIT AND CONDUCTORS BACK TO ORIGINAL SOURCE.



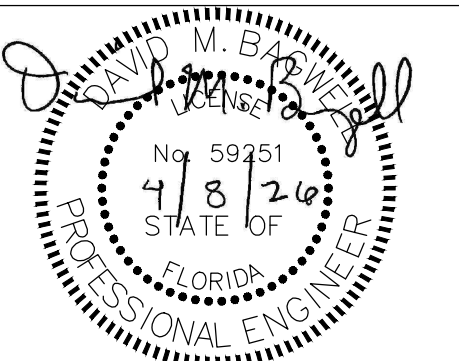
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Cafeteria Renovation For
 Niceville High School
 Niceville, Florida
 Okaloosa County Public Schools
 Okaloosa County, Florida



Seal:



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Project No.: 1021.87

Drawing Title:

ELECTRICAL LEGEND AND GENERAL NOTES

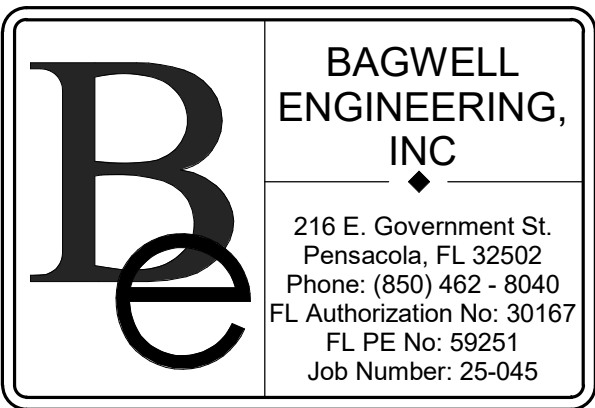
Date: APRIL 8, 2026

Designed By: C.KAUNITZ | Drawing No.:

Drawn By: C.KAUNITZ

Checked By: D.BAGWELL

E-1



LIGHTING FIXTURE SCHEDULE				
MARK	MANUFACTURER AND CATALOG No.	TYPE	MOUNTING	REMARKS
CL	HE WILLIAMS MX4D-4'00-L8/840-F-AC/24-DIM-UNV	LED	PENDANT @ 9'-0" A.F.F.	4' CONTINUOUS FIXTURE WITH PENDANT MOUNTING KIT. 800 LUMENS PER LINEAR FOOT.
LSE	HE WILLIAMS MX4D-4'00-L8/840-F-AC/24-EM/10W-DIM-UNV	LED	PENDANT @ 9'-0" A.F.F.	4' CONTINUOUS FIXTURE WITH PENDANT MOUNTING KIT AND EMERGENCY BATTERY. 800 LUMENS PER LINEAR FOOT.
X	PHILIPS ER55LD3WR	LED	WALL ABOVE DOOR	LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING WITH RED LETTERING.
XC	PHILIPS ER55LD3WR		CEILING MOUNT	LED EXIT LIGHT, WHITE THERMOPLASTIC HOUSING WITH RED LETTERING, ARROWS AS INDICATED.

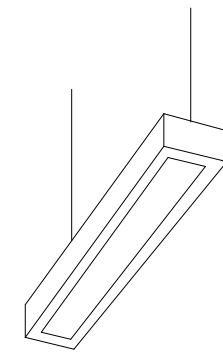
**ALL LIGHTING FIXTURE FINISHES TO BE SPECIFIED BY JACOBS TITAN

EQUAL FIXTURE NOTES

- ALL FIXTURES CONSIDERED EQUAL TO THE SPECIFIED FIXTURES SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER 10 DAYS PRIOR TO BID FOR APPROVAL. SUBMISSIONS FOR PRIOR APPROVAL SHALL INCLUDE PHOTOMETRY AND POINT-BY-POINT FOOT-CANDLE CALCULATIONS FOR ALL SPACES (INTERIOR AND EXTERIOR) TO VERIFY CONSISTENT ILLUMINATION LEVELS.
- FIXTURES SUBMITTED AFTER BID THAT WERE NOT SUBMITTED AND APPROVED PRIOR TO BID WILL BE DEEMED AS A VALUE ENGINEERING PACKAGE. THIS SUBMITTAL SHALL SHOW THE CREDIT BEING GIVEN BACK TO THE OWNER IF THE FIXTURES ARE ALLOWED.
- NOTE THAT FIXTURES SUBMITTED AFTER BID ARE AT THE CONTRACTORS RISK AS THE ENGINEER WILL REJECT THE SUBMITTAL IF THE FIXTURES DO NOT MEET PERFORMANCE, LIGHT OUTPUT, QUALITY OF FINISH, SUITABILITY FOR THE APPLICATION, OR OVERALL APPEARANCE TO INCLUDE AESTHETIC CONSIDERATIONS.
- A VALUE ENGINEERED SUBMITTAL WILL NOT BE CONSIDERED UNLESS THERE IS GREATER THAN 20% COST SAVINGS TO THE OWNER. THE SUBMITTED INFORMATION SHALL INCLUDE THE AS SPECIFIED FIXTURE PACKAGE PRICING (WHICH WILL BE VERIFIED BY THE DISTRIBUTOR), AS WELL AS THE VALUE PACKAGE COMPARATIVE PRICING TO SHOW THE TOTAL NET SAVINGS AND CREDIT.

FEATURES:
LAMP TYPE: LED

PROFILE: 800 LUMENS PER LINEAR FOOT. (CL)
WITH EMERGENCY UNIT BATTERY RACK (CLE)



NOM. DIMENSIONS (48" X 4-3/16" X 4-3/16")

GENERAL DESCRIPTION:
HOUSING: COLD ROLLED STEEL

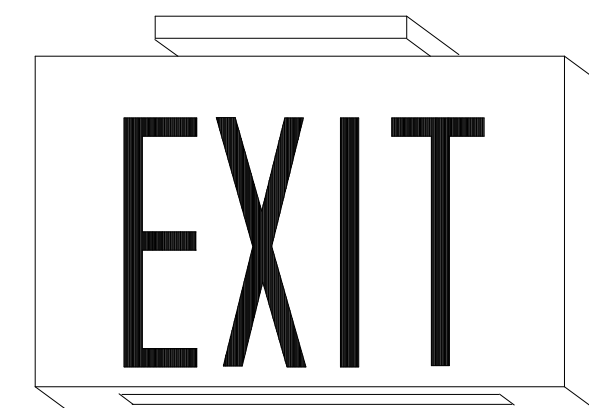
ELECTRICAL: 120/277 VOLT DRIVER

MOUNTING: SUSPENDED

CONTINUOUS LENSED LIGHT FIXTURE 'CL' & 'CLE'

1 NTS

FEATURES:
LAMP TYPE: LED
MOUNTING: UNIVERSAL
TYPE 'X' IS WALL MOUNTED ABOVE DOOR
TYPE 'XC' IS CEILING MOUNTED
SHIELDING: FLAT SHEET ACRYLIC
LETTERS: RED



NOM. DIMENSIONS (11-3/8" W x 7-7/8" H x 1-3/4" D)

GENERAL DESCRIPTION:
HOUSING: DIE-CAST ALUMINUM. WHITE FINISH. HARDWARE FINISH TO MATCH HOUSING
FINISH. 152mm (6") H LETTERS WITH 19MM (3/4")
STROKE. DIRECTIONAL ARROWS AS REQUIRED.

ELECTRICAL: 120/277 VOLTS WITH BACKUP BATTERY

FINISH: WHITE

OTHER: MINIMUM BRIGHTNESS 20 CD/SQ METER ON FACE OF SIGN. SELF-TEST DIAGNOSTICS

LED STENCIL FACE EXIT SIGN FIXTURE 'X'

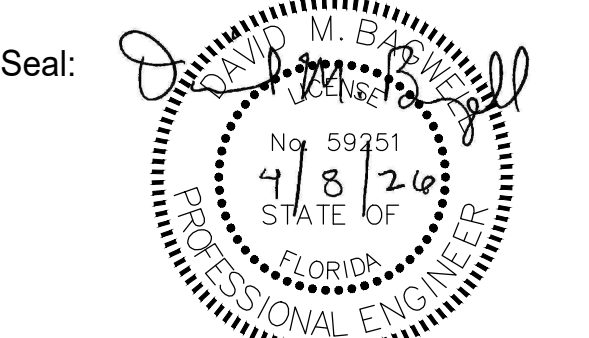
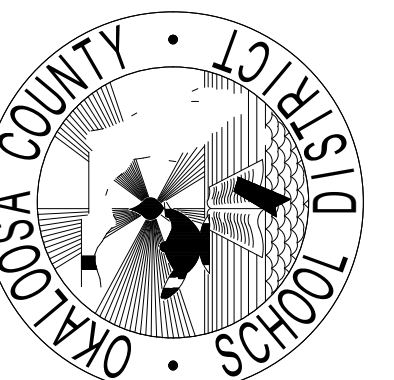
2 NTS

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Revision:
Date: By: Description:

Cafetorium Renovation For
 Niceville High School
 Niceville, Florida
 Okaloosa County Public Schools
 Okaloosa County, Florida



Project No.: 1021.87
Drawing Title:
LIGHTING FIXTURE AND DETAILS

Date: APRIL 8, 2026
Designed By: C.KAUNITZ | Drawing No.:
Drawn By: C.KAUNITZ |
Checked By: D.BAGWELL | E-2

BAGWELL ENGINEERING, INC.
216 E. Government St.
Pensacola, FL 32502
Phone: (850) 462-8040
FL Authorization No: 30167
FL PE No: 59251
Job Number: 25-045

Revision:
Date: By: Description:

LIGHTING AND CONTROLS NOTES

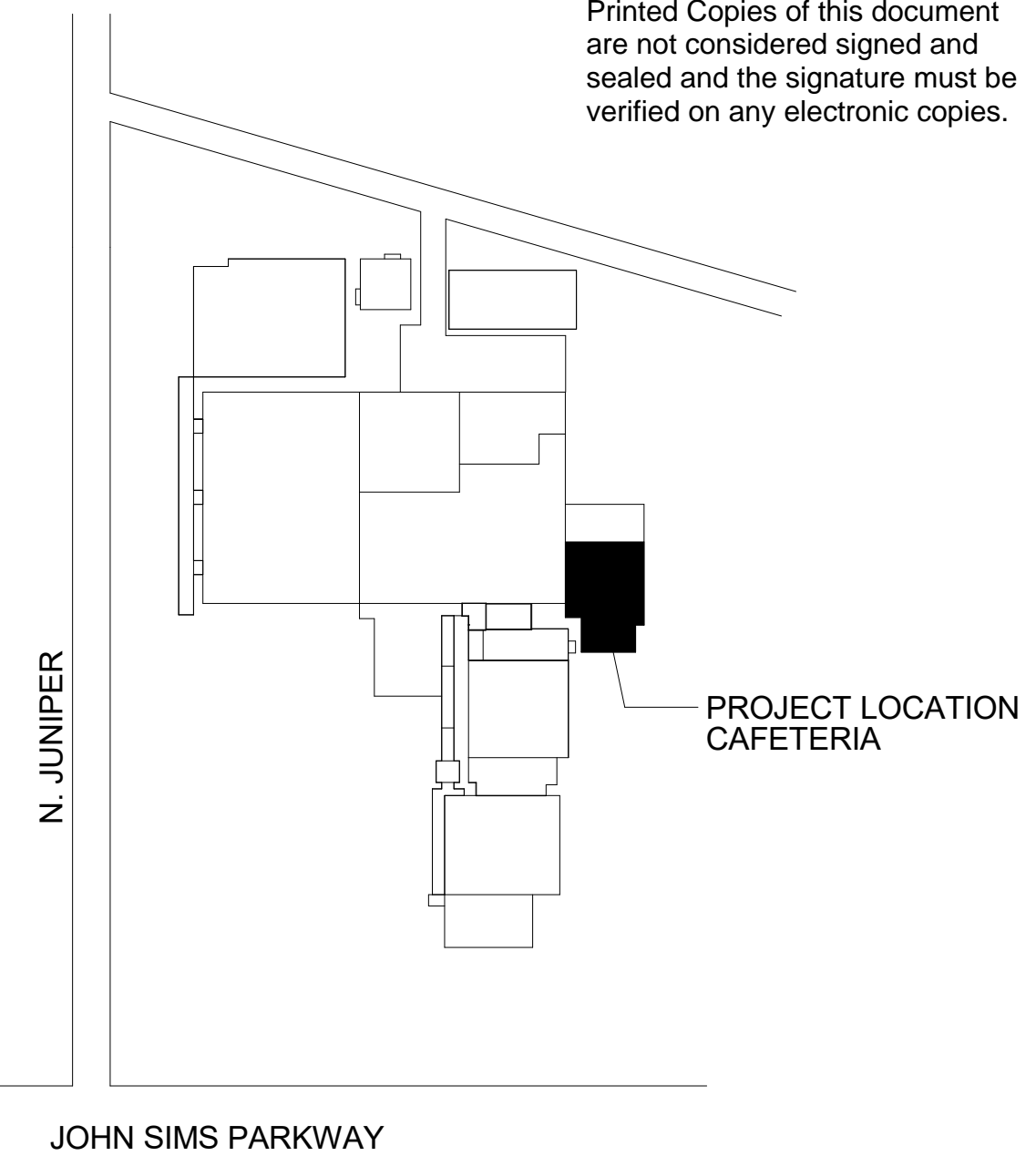
1. THE INSTALLED LIGHTING SYSTEM MUST COMPLY WITH FLORIDA ENERGY CODE 2023.
2. ALL AREAS SHALL HAVE MANUAL CONTROL TO ALLOW LIGHTS TO BE TURNED OFF.
3. ALL WIRING QUANTITIES AND ROUTING SHOWN IS TO ASSIST FOR PRICING PURPOSES ONLY. THE CONTRACTOR MUST INCLUDE IN BID AND INSTALL A FULL SYSTEM. THE CONTRACTOR SHALL OBTAIN MANUFACTURER SHOP DRAWINGS AND APPROVAL PRIOR TO PERFORMING WORK. WIRING TYPES, QUANTITIES, AND LOCATIONS SHALL BE INSTALLED TO EACH DEVICE AND FIXTURE PER THE MANUFACTURER SHOP DRAWINGS. ALL 120V AND 277V WIRING SHALL BE IN CONDUIT. LOW VOLTAGE WIRING SHALL BE INSTALLED IN CONDUIT.
4. DEVICE LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATE. CONTRACTOR SHALL ADJUST SENSOR QUANTITIES AND LOCATIONS BASED ON MANUFACTURER SHOP DRAWINGS. INSTALL ROOM CONTROLLERS PER MANUFACTURER REQUIREMENTS/SHOP DRAWINGS.
5. ONE MANUFACTURER SHALL BE UTILIZED FOR ALL CONTROLS.
6. INSTALL CONTROL DEVICES AND ASSOCIATED LOW VOLTAGE CABLING (AS REQUIRED) PER MANUFACTURERS REQUIREMENTS. NOTE DRAWINGS DO NOT SHOW LOW VOLTAGE CABLING OR REQUIREMENTS AS THIS WILL BE MANUFACTURER SPECIFIC.
7. COORDINATE FINAL MOUNTING HEIGHT AND EXACT LOCATIONS WITH OWNER REPRESENTATIVE PRIOR TO INSTALLATION.
8. PROVIDE ALL 0-10 DIMMING BRANCH CIRCUITING REQUIRED.
9. ALL EMERGENCY LIGHTING SHALL HAVE EMERGENCY BATTERY BACKUP CAPABLE OF 90 MINUTES MINIMUM.
10. THE OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO SELECT ALL COLORS DURING SHOP DRAWING REVIEW.
11. OCCUPANCY SENSORS SHALL BE VACANCY TYPE WITH DUAL TECHNOLOGY DETECTION. PROVIDE 30 MINUTE CUTOFF TIME IN CAFETERIA.
12. OCCUPANCY SENSOR LAYOUT MAY DIFFER DEPENDING ON THE MANUFACTURER PROVIDED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL SIZING AND SPACING OF THE SENSORS BASED ON APPROVED SUBMITTALS. PROVIDE ADDITIONAL SENSORS AND ADJUST LOCATIONS AS REQUIRED TO ENSURE PROPER COVERAGE.
13. DO NOT INSTALL OCCUPANCY SENSORS WITHIN 6' OF A SUPPLY OR RETURN VENT.
14. THE CONTRACTOR SHALL SET ALL SENSITIVITY AND TIME DELAY SETTINGS. THE CONTRACTOR SHALL ADJUST THE SENSITIVITY AS NEEDED UNTIL THE JACOBS/TITAN REPRESENTATIVE APPROVES.
15. ALL LOW VOLTAGE JUNCTION BOXES SHALL BE GROUNDED WITH #12 AWG.
16. SWITCHES SHALL BE PROGRAMMED FOR MANUAL ON. LIGHT FIXTURES IN A ZONE WILL CUTOFF AFTER 30 MINUTES OF VACANCY IN THE ZONE.

KEYNOTES

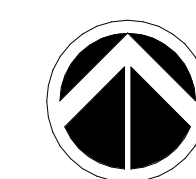
1. INSTALL TO EXISTING 20 AMP LIGHTING CIRCUIT.
2. EXIT LIGHT SHALL BE WIRED TO BE CONTINUOUS ON AND NOT CONTROLLED BY SENSORS OR SWITCHES.
3. EXISTING LIGHT FIXTURES IN SPACE SHALL BE SWITCHED SEPARATELY FROM THE CAFETERIA LIGHTING. THE LIGHTS SHALL BE CONTROLLED BY A NEW MANUAL SWITCH FINAL LOCATION TO BE VERIFIED BY JACOBS/TITAN IN THE SPACE. THE EXISTING LIGHTING CIRCUIT SHALL BE EXTENDED AND REUSED TO SERVE THE EXISTING FIXTURES. INSTALL 2#12 AND 1#12 GROUND IN 3/4" CONDUIT TO THE EXISTING LIGHT FIXTURES.

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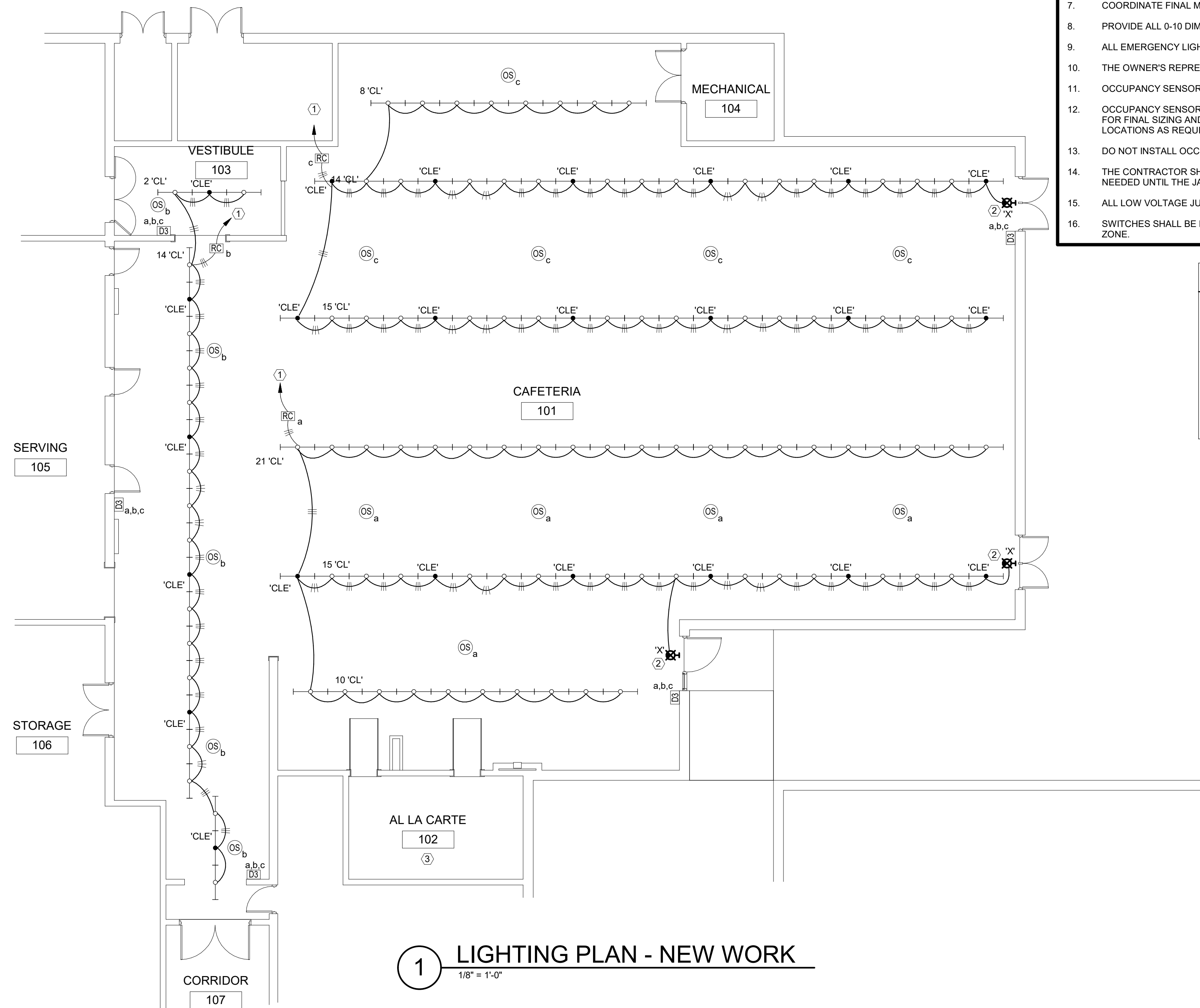


N. JUNIPER
JOHN SIMS PARKWAY



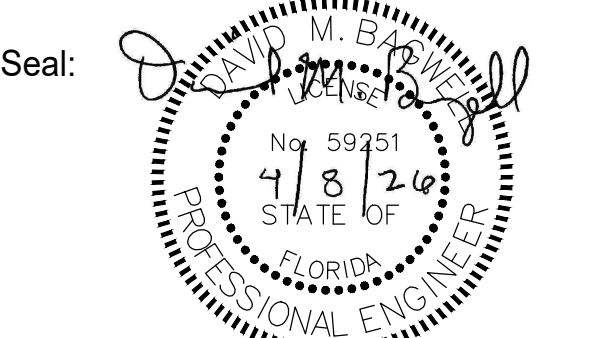
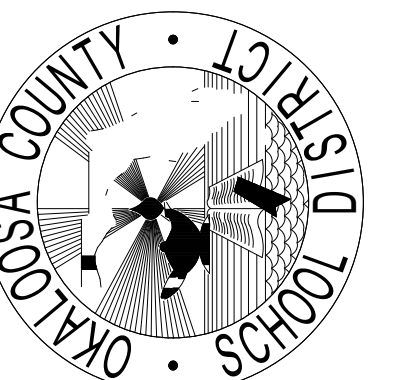
KEY PLAN

NO SCALE



1 LIGHTING PLAN - NEW WORK
1/8" = 1'-0"

Cafeteria Renovation For
Niceville High School
Niceville, Florida
Okaloosa County Public Schools
Okaloosa County, Florida



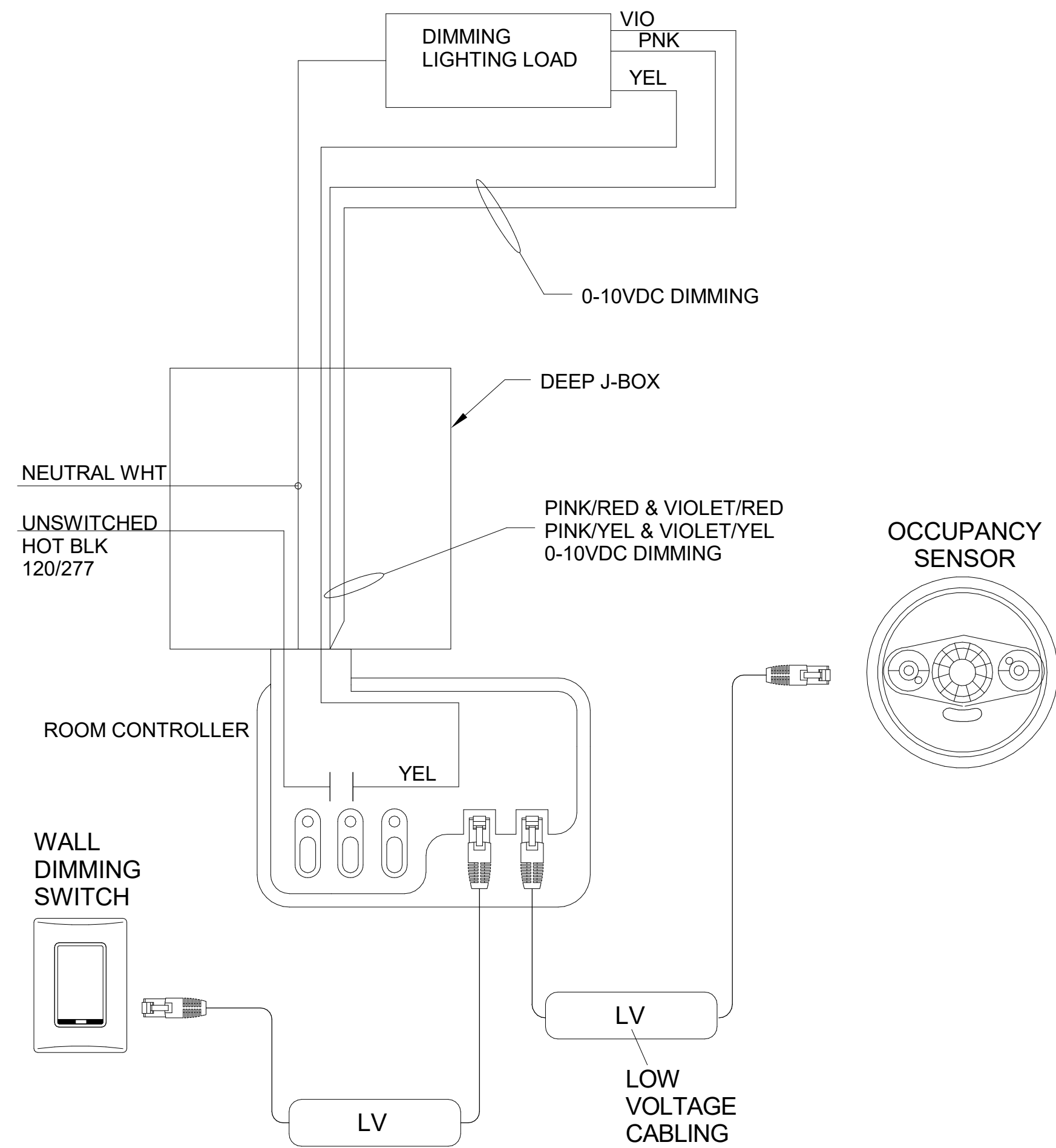
Project No.: 1021.87
Drawing Title:
LIGHTING PLAN - NEW WORK

Date: APRIL 8, 2026
Designed By: C.KAUNITZ | Drawing No.:
Drawn By: C.KAUNITZ
Checked By: D.BAGWELL | **E-3**

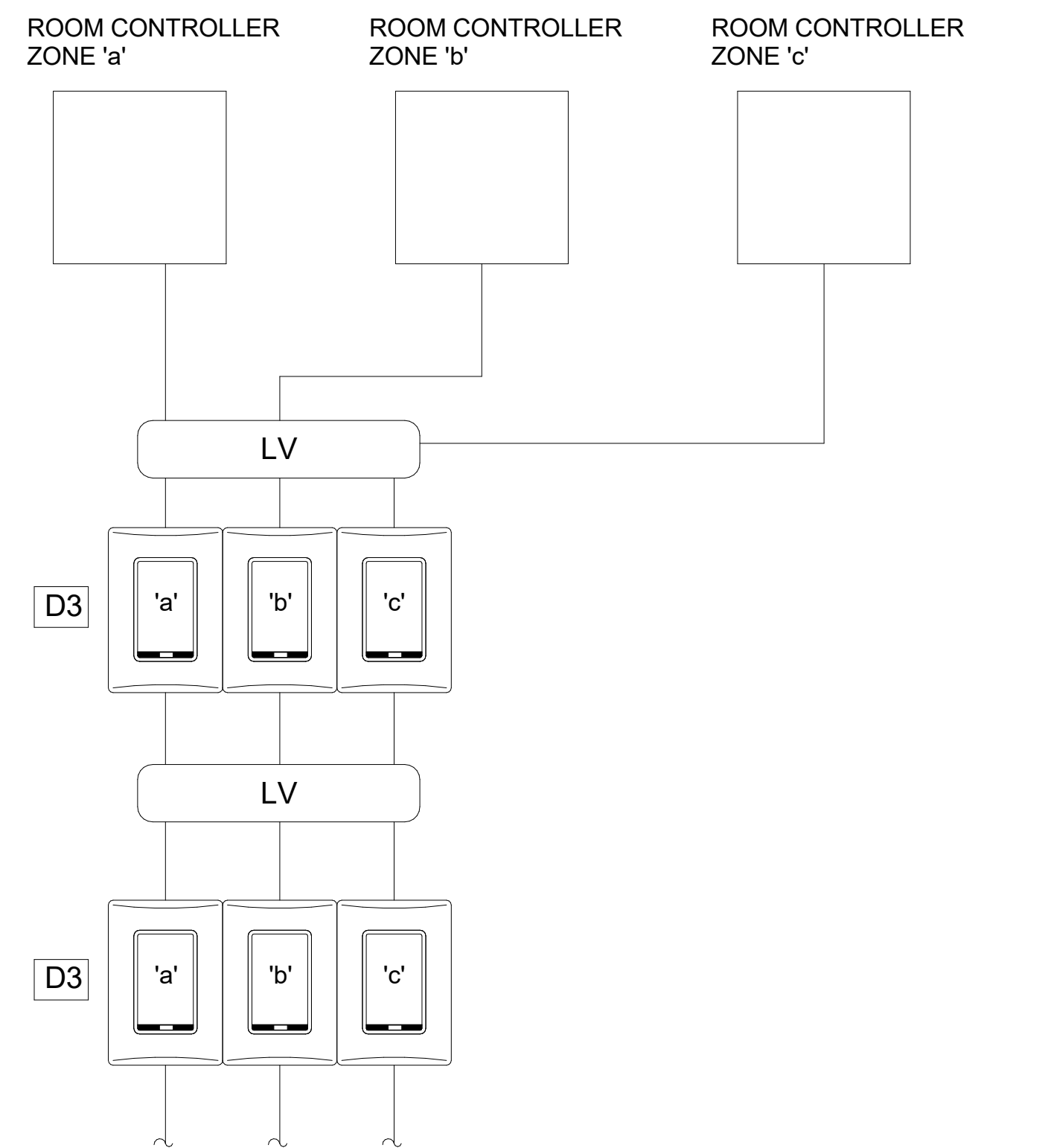
B E	BAGWELL ENGINEERING, INC
	216 E. Government St. Pensacola, FL 32502 Phone: (850) 462 - 8040 FL Authorization No: 30167 FL PE No: 59251 Job Number: 25-045

Revision:
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NOTE THAT CONTROL SOLUTION DETAILS ARE TO ASSIST WITH BID ONLY. CONTRACTOR SHALL INSTALL SENSORS AND ROOM CONTROLLERS PER MANUFACTURERS REQUIREMENTS.

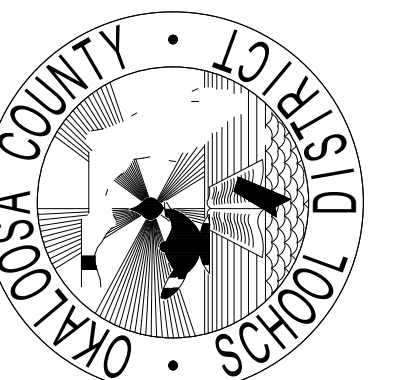


1
E-4
TYPICAL ROOM CONTROLLER DETAIL
NOT TO SCALE



D3 SWITCH CONFIGURATION DETAIL

Cafetorium Renovation For
 Niceville High School
 Niceville, Florida
 Okaloosa County Public Schools
 Okaloosa County, Florida



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Project No.: 1021.87

Drawing Title:

LIGHTING CONTROL DETAILS

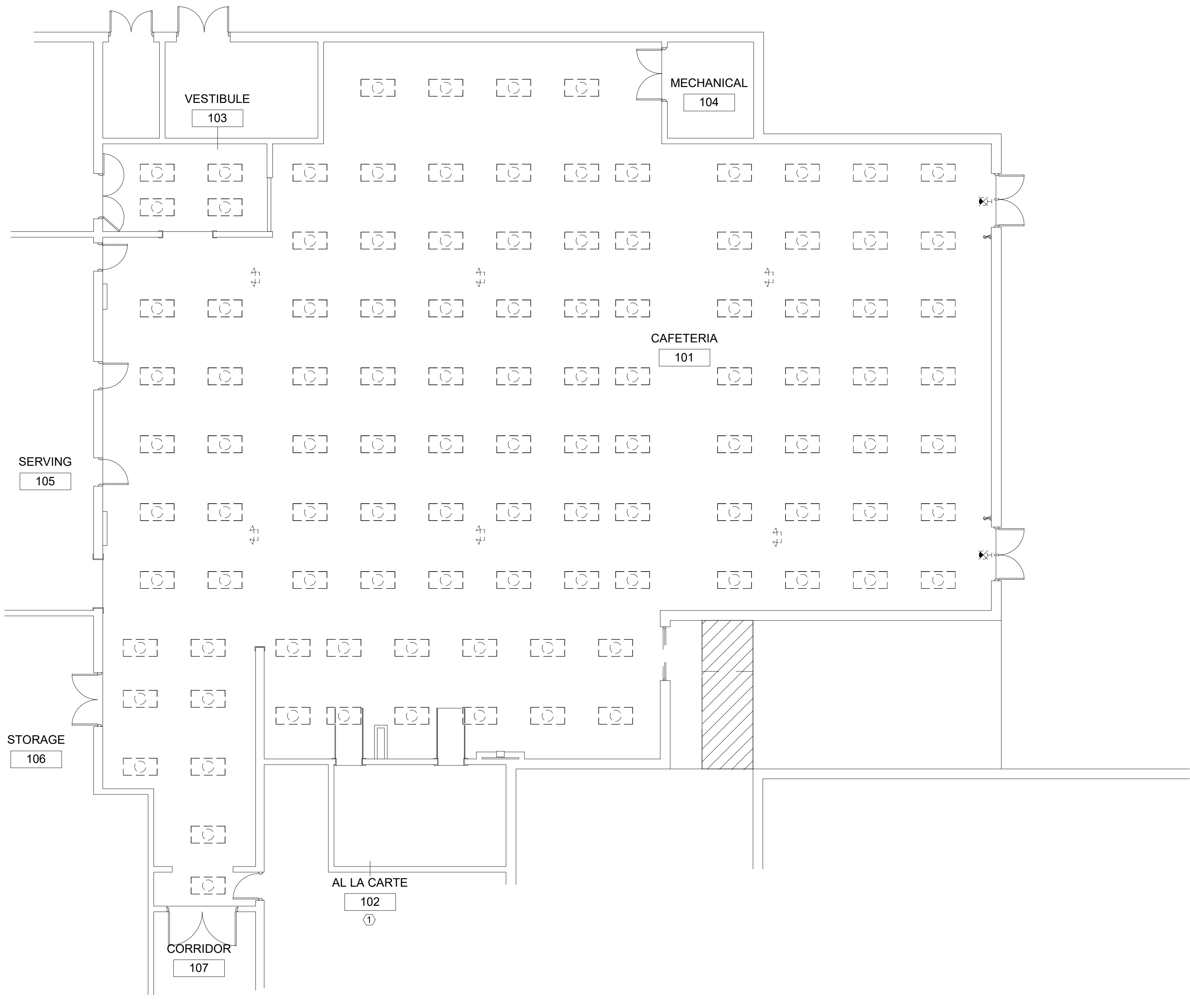
Date: APRIL 8, 2026

Designed By: C.KAUNITZ | Drawing No.:

Drawn By: C.KAUNITZ

Checked By: D.BAGWELL

E-4



1 LIGHTING PLAN - DEMOLITION
1/8" = 1'-0"

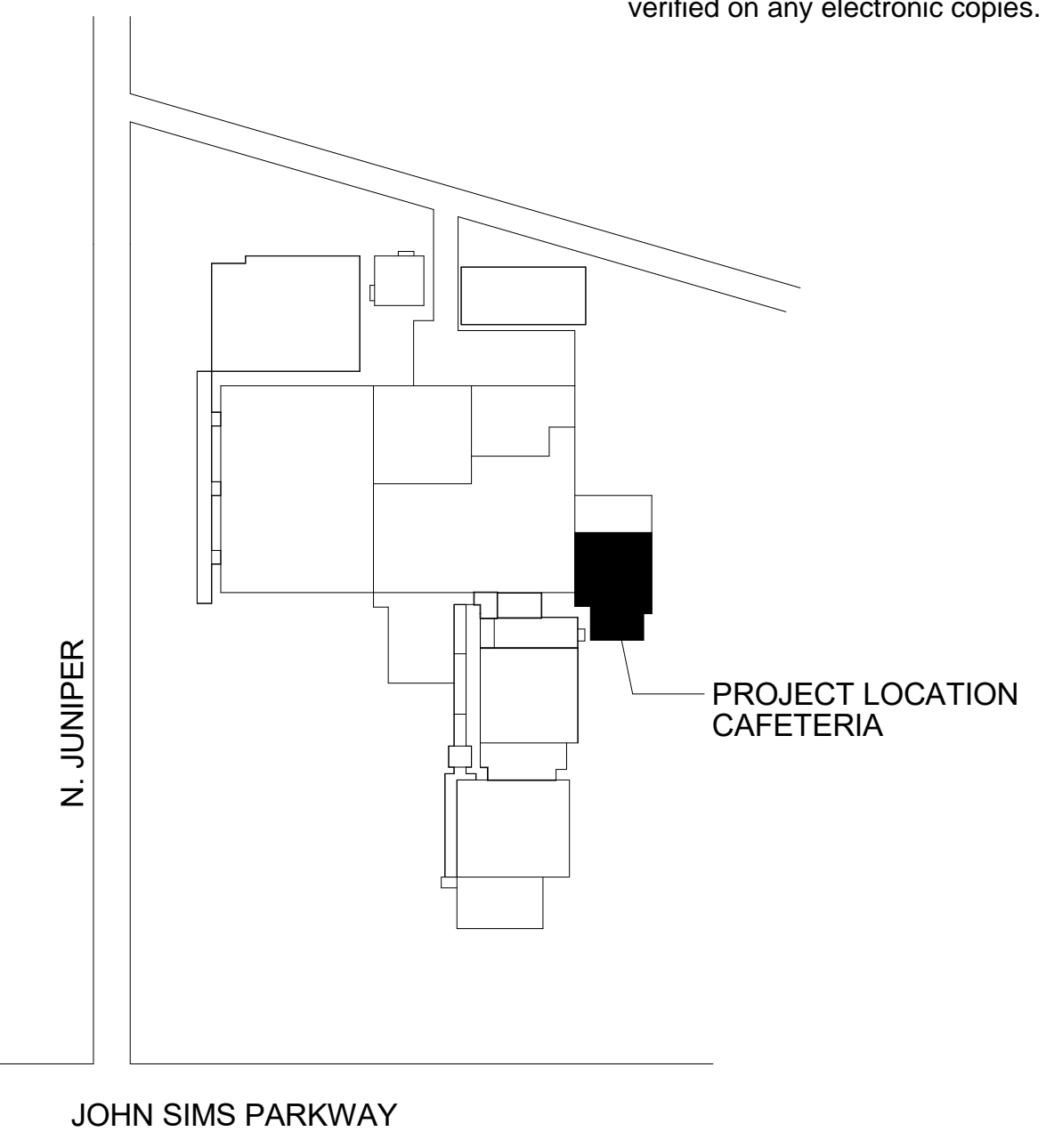
GENERAL DEMOLITION NOTES

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. REMOVE FIXTURES AND SWITCHES CONDUIT AND WIRE BACK TO THE SERVING CIRCUIT'S JUNCTION BOX TO REMAIN. DO NOT REMOVE THE CIRCUIT'S HOMERUN BACK TO THE SOURCE PANEL. THE EXISTING CIRCUIT SHALL BE USED (EXTENDED WITH NEW CONDUIT AND WIRE) TO SERVE THE NEW LIGHTING CIRCUITS.

KEYNOTES

- 1 ENSURE EXISTING LIGHTING AND ASSOCIATED WIRE AND CONDUIT IN SPACE ARE PROTECTED DURING CONSTRUCTION. THE EXISTING CIRCUIT WIRE IN THE SPACE SHALL BE RECONNECTED TO THE SERVING LIGHTING CIRCUIT. REFER TO THE NEW WORK PLAN FOR ADDITIONAL REQUIREMENTS.

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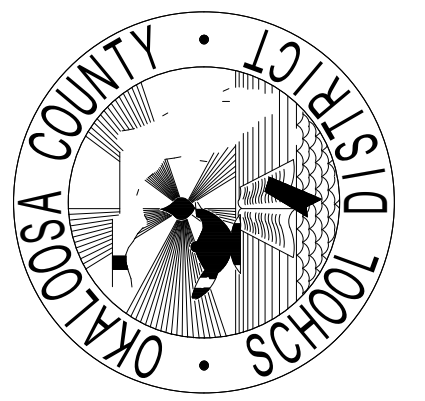


KEY PLAN
NO SCALE

BAGWELL ENGINEERING, INC
216 E. Government St.
Pensacola, FL 32502
Phone: (850) 462 - 8040
FL Authorization No: 30167
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Niceville High School
Niceville, Florida
Okaloosa County Public Schools
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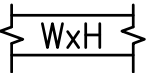
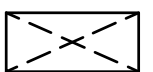

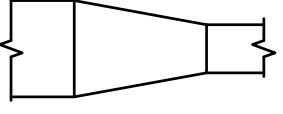



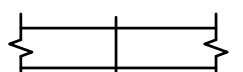
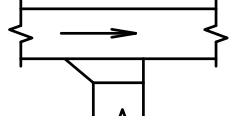
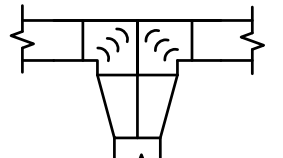
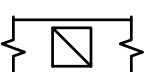

Seal:

Project No.: 1021.87
Drawing Title: LIGHTING PLAN - DEMOLITION

Date: APRIL 8, 2026
Designed By: C.KAUNITZ Drawing No.:
Drawn By: C.KAUNITZ
Checked By: D.BAGWELL **ED-1**

Revision:		
Date	By	Description

HVAC LEGEND

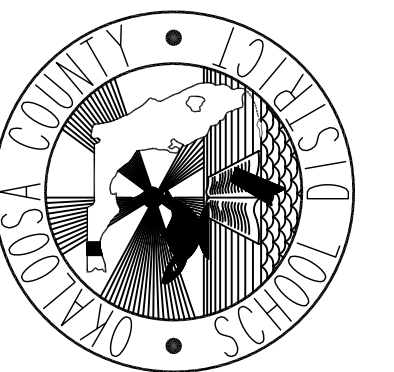
-  RECTANGULAR DUCTWORK. SIZES SHOWN ARE INTERNAL CLEAR DIMENSIONS. (WIDTH x HEIGHT) FIRST FIGURE IS SIDE SHOWN.
-  DUCT SECTION, POSITIVE PRESSURE, FIRST FIGURE IS TOP DIMENSION
-  DUCT SECTION, NEGATIVE PRESSURE, FIRST FIGURE IS TOP DIMENSION
-  TRANSITION
-  SQUARE THROAT ELBOW IN RECTANGULAR DUCT WITH SINGLE WALL TURNING VANES.
-  LONG RADIUS ELBOW IN RECTANGULAR DUCT.
-  THERMOSTAT, MOUNT 48" A.F.F.
-  MANUAL VOLUME DAMPER, PROVIDE WITH LOCKING QUADRANT
-  RECTANGULAR BRANCH DUCT TAKE OFF FROM RECTANGULAR DUCT MAIN WITH 45° COLLAR.
-  PARALLEL FLOW BRANCH IN RECTANGULAR DUCT MAIN
-  RETURN AIR REGISTER, NECK SIZE AND AIR FLOW AS INDICATED. PROVIDE WITH OPPOSED BLADE VOLUME CONTROL DAMPER. RETURN REGISTER SHALL BE EQUAL TO TITUS 350.
-  SUPPLY AIR REGISTER IN BOTTOM OF DUCT, NECK SIZE AND AIR FLOW AS INDICATED. DIRECTION OF THROW AS INDICATED BY ARROWS. PROVIDE ADJUSTABLE AIR EXTRACTOR WITH TURNING VANES IN TAKEOFF AND OPPOSED BLADE DAMPER. REGISTER SHALL BE EQUAL TO TITUS 272.
12"x6" SAR
400 CFM

HVAC GENERAL NOTES

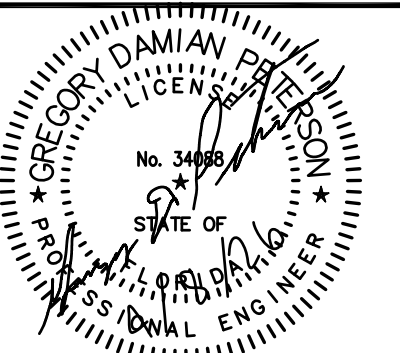
1. INSTALL A COMPLETE AND OPERABLE MECHANICAL SYSTEM AS INDICATED ON THE DRAWINGS, AS SPECIFIED AND AS REQUIRED BY CODE.
2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND ARE INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY.
3. INSTALL ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS AND APPLICABLE CODES AND REGULATIONS.
4. COORDINATE EQUIPMENT CLEARANCES (AS RECOMMENDED BY MANUFACTURER) WITH ALL DISCIPLINES BEFORE INSTALLATION.
5. COORDINATE AND PROVIDE ALL DUCTS AND PIPING TRANSITION REQUIRED FOR FINAL EQUIPMENT CONNECTIONS TO FURNISHED EQUIPMENT, VERIFY AND COORDINATE ALL DUCT AND PIPING DIMENSIONS BEFORE FABRICATION.
6. ALL EQUIPMENT, PIPING, DUCTWORK, ETC., SHALL BE SUPPORTED AS DETAILED, SPECIFIED AND REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION.
7. REFER TO TYPICAL DETAILS FOR DUCTWORK, PIPING AND EQUIPMENT INSTALLATION.
8. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE FOR INFORMATION ONLY.
9. COORDINATE DIFFUSER, REGISTER AND GRILLE LOCATIONS WITH ARCHITECTURAL REFLECTED CEILING PLANS, LIGHTING AND OTHER CEILING MOUNTED EQUIPMENT AND MAKE DUCT MODIFICATION TO SUIT.
10. ALL SUPPLY AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 2" W.G., SEAL CLASS A, EXTERNALLY INSULATED WITH 2" R-6 INSULATION.
11. ALL RETURN AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 1" W.G., SEAL CLASS A, EXTERNALLY INSULATED 2" R-6 INSULATION.
12. ALL OUTSIDE AIR DUCTWORK SHALL BE LOW PRESSURE RECTANGULAR, SMACNA STATIC PRESSURE CLASS 1" W.G., SEAL CLASS A, EXTERNALLY INSULATED 2" R-6 INSULATION.

DO NOT SCALE DRAWINGS

Cafeteria Renovation For
 Niceville High School
 Niceville, Florida
 Okaloosa County Public Schools
 Okaloosa County, Florida



Seal:



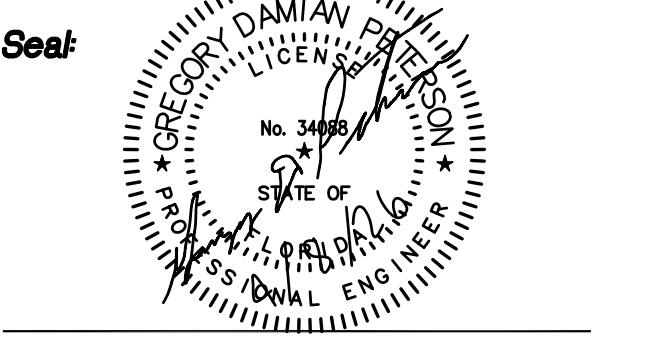
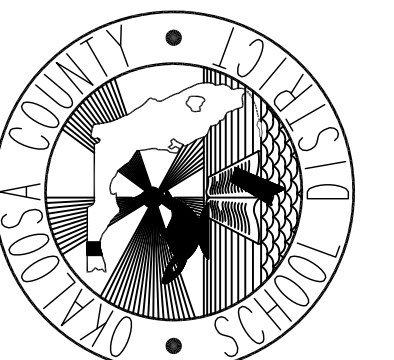
Project No: 1021.87

Drawing Title:
HVAC LEGEND AND
GENERAL NOTES

Date: MARCH 31, 2026

Designed By: JBS	Drawing No:
Drawn By: JBS	M-1
Checked By: GDP	

Cafeteria Renovation For
 Niceville High School
 Niceville, Florida
 Okaloosa County Public Schools
 Okaloosa County, Florida



Project No: 1021.87

Drawing Title: HVAC PLAN - DEMOLITION

Date: MARCH 31, 2026

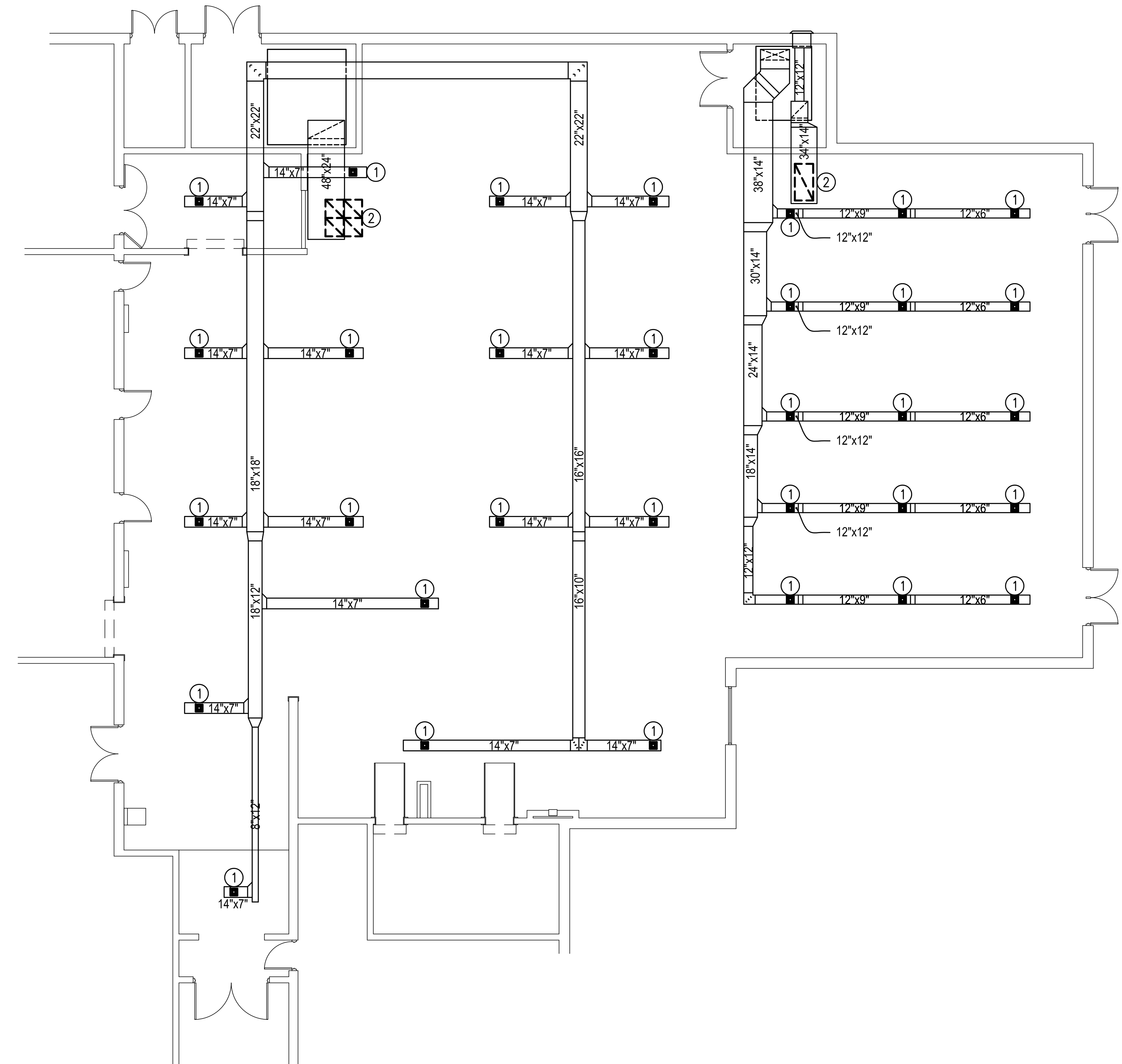
Designed By: JBS | Drawing No:
 Drawn By: JBS | M-2
 Checked By: GDP

GENERAL DEMOLITION NOTES:

LOCATION OF MECHANICAL EQUIPMENT IS DIAGRAMMATIC ONLY.
 CONTRACTOR TO FIELD VERIFY EXACT LOCATIONS OF EQUIPMENT.

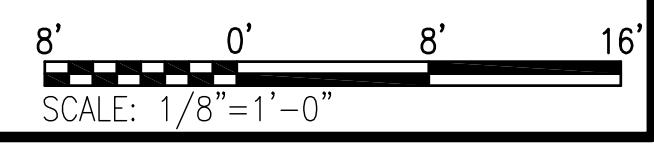
DEMOLITION NOTES:

- ① REMOVE DIFFUSER AND BRANCH DUCT UP TO TRUCK DUCT.
- ② REMOVE RETURN AIR REGISTER BRANCH DUCT UP TO TRUCK DUCT.

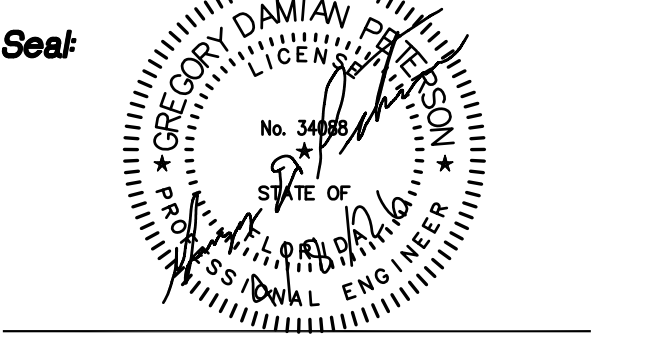
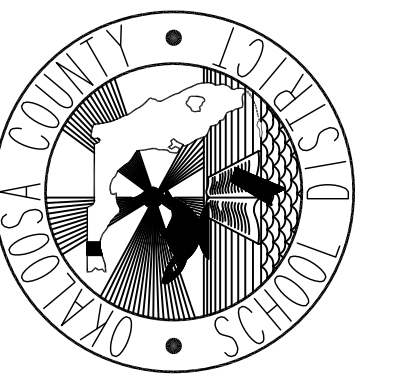


HVAC PLAN - DEMOLITION
 SCALE: 1/8"=1'-0"

DO NOT SCALE DRAWINGS



Cafeteria Renovation For
Niceville High School
Niceville, Florida
Okaloosa County Public Schools
Okaloosa County, Florida



Project No: 1021.87

Drawing Title: HVAC PLAN - NEW WORK

Date: MARCH 31, 2026

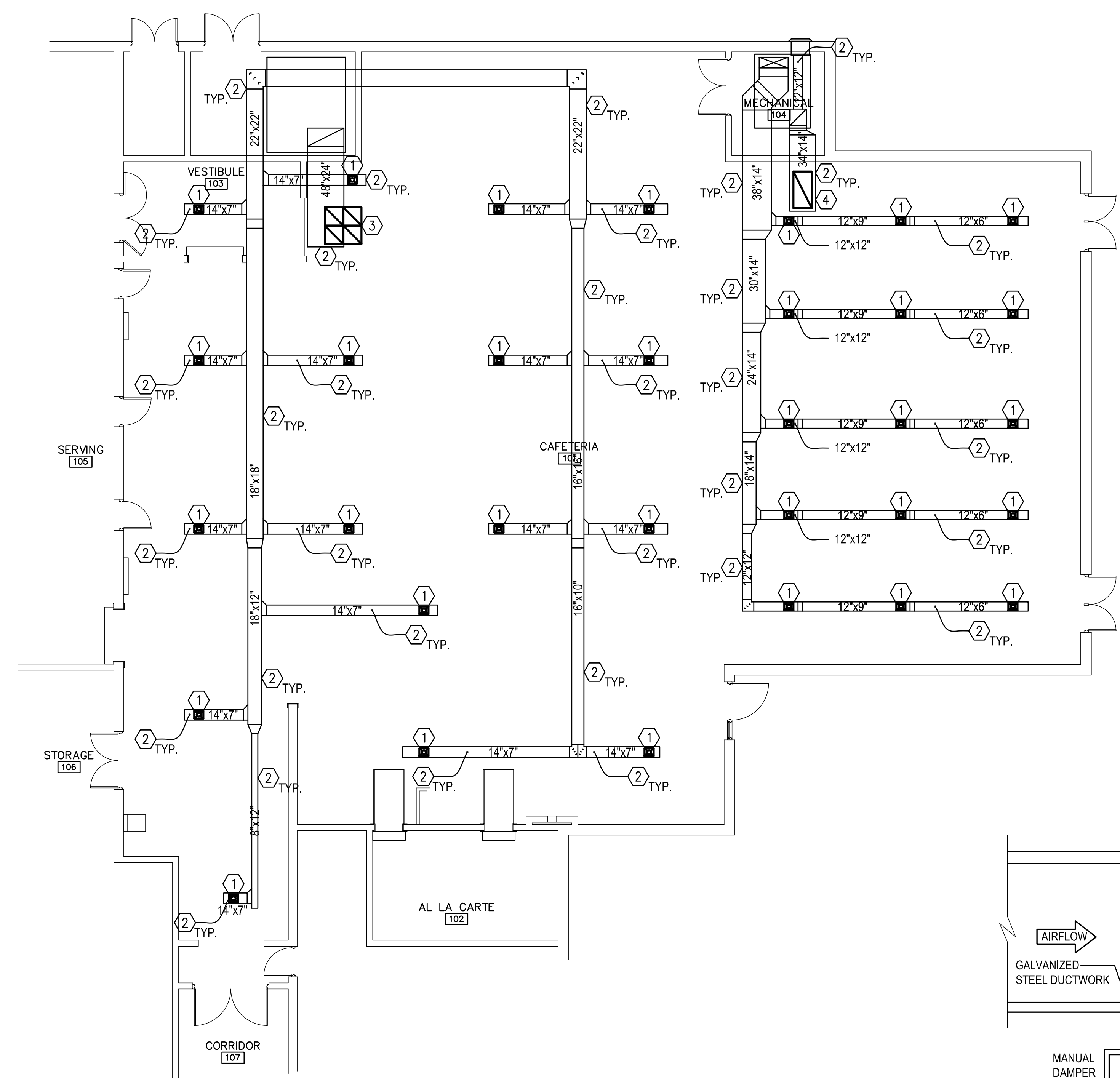
Designed By: JBS
Drawn By: JBS
Checked By: GDP
Drawing No: M-3

GENERAL NEW WORK NOTES:

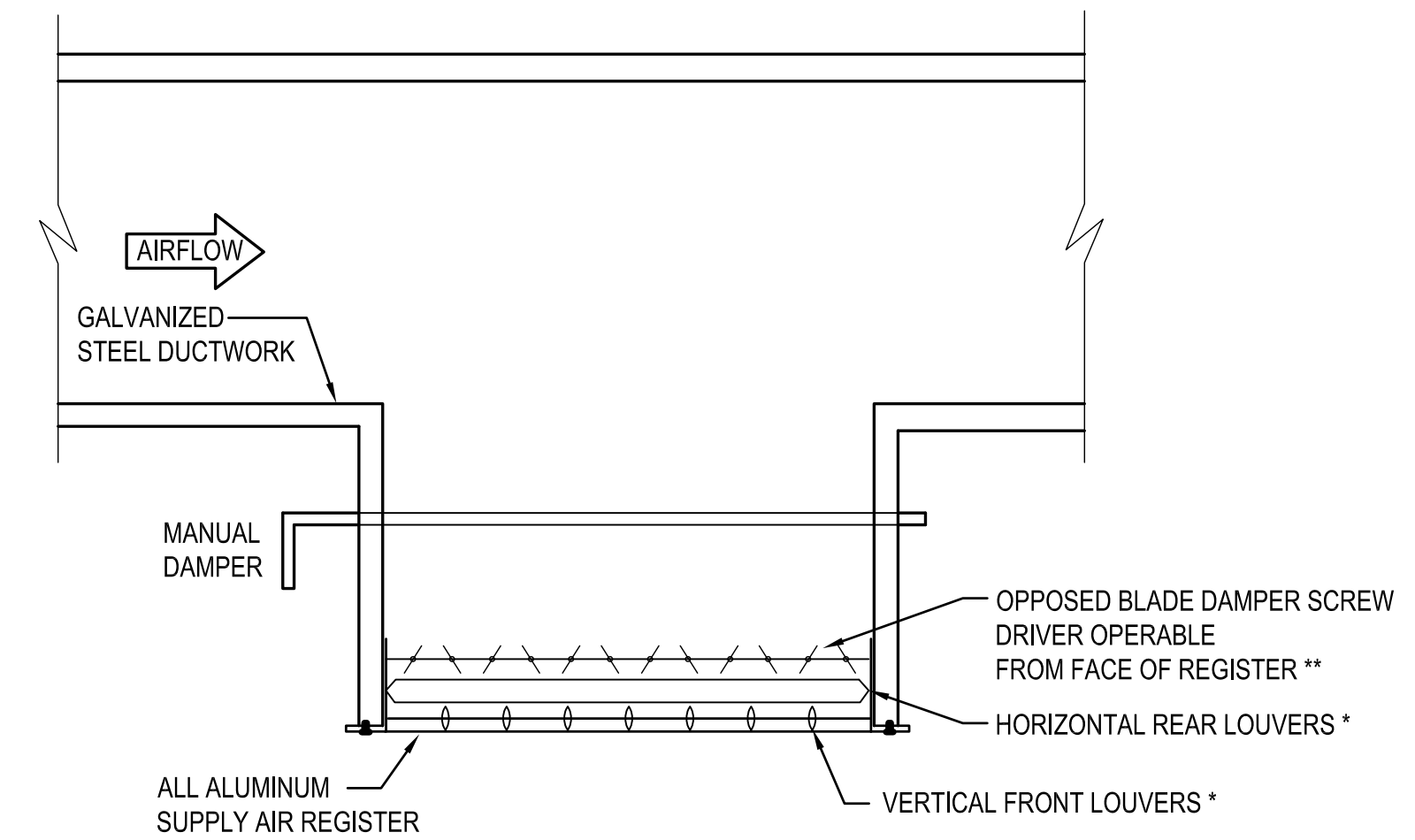
1. ALL EXPOSED DUCTWORK SHALL BE FITTED WITH 2" R-6 INSULATION.
2. USING THE CFM LOG GENERATED IN DEMOLITION BALANCE NEW SUPPLY GRILLES.
3. ACQUIRE EACH AHU'S MAX. CFM AND PROPORTIONATELY BALANCE NEW GRILLES FOR EACH RESPECTIVE AHU USING RESPECTIVE MAX. CFM.

NEW WORK NOTES:

1. INSTALL NEW 12"x10" SUPPLY AIR REGISTER IN BOTTOM OF EXISTING DUCT.
2. INSTALL NEW 2" R-6 DUCT INSULATION ON EXISTING METAL DUCT.
3. INSTALL NEW 24"x24" RAG IN BOTTOM OF EXISTING DUCT.
4. INSTALL NEW 24"x48" RAG IN BOTTOM OF EXISTING DUCT.



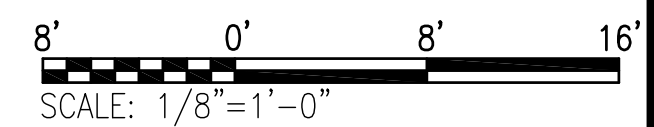
HVAC PLAN - NEW WORK
SCALE: 1/8"=1'-0"



NOTE:
* ALL LOUVERS SHALL BE INDIVIDUALLY ADJUSTABLE FOR ANY DEGREE OF DEFLECTION.
** DO NOT USE OPPOSED BLADE DAMPER TO BALANCE REGISTER.


SUPPLY AIR REGISTER MOUNTING DETAIL
NOT TO SCALE

DO NOT SCALE DRAWINGS



TELECOMMUNICATIONS LEGEND

CONNECTIVITY DEVICES:


 TYPICAL WALL MOUNTED DATA OUTLET WITH THERMOPLASTIC FACEPLATE MOUNTED @ 18" AFF, FROM THE CENTER OF THE OUTLET, UNO. REFER TO DETAILS FOR ADDITIONAL REQUIREMENTS.

SUBSCRIPTS INDICATES THE FOLLOWING:


##" - INDICATES MOUNTING HEIGHT.


TAG INDICATES THE FOLLOWING


 - "D" INDICATES THE NETWORK DESIGNATION FOR "DATA" NETWORK AND THE "H" INDICATES THE NUMBER OF JACKS WITHIN THE FACEPLATE. REFER TO RISER DIAGRAM FOR CABLE, CONNECTOR REQUIREMENTS AND COLOR.

 EXISTING WALL MOUNTED WIRELESS ACCESS POINT MOUNTED TO THE CEILING. REFER TO DETAILS AND RISER DIAGRAMS FOR ADDITIONAL REQUIREMENTS.

SECURITY DEVICES:

 EXISTING CEILING MOUNTED CAMERA TO BE REMOVED. REFER TO FLOOR PLANS FOR ADDITIONAL REQUIREMENTS.

 EXISTING WALL MOUNTED CAMERA TO REMAIN AND BE PROTECTED DURING RENOVATION. REFER TO FLOOR PLANS FOR ADDITIONAL REQUIREMENTS.

 EXISTING DOME CAMERA PREVIOUSLY REMOVED FROM CEILING GRID RELOCATED TO A NEW PROPOSED LOCATION. REFER TO WALL MOUNTED CAMERA DETAIL FOR ADDITIONAL REQUIREMENTS.

PAGING DEVICES:

 EXISTING WALL MOUNTED PAGING SPEAKER TO REMAIN AND BE PROTECTED DURING RENOVATION. REFER TO FLOOR PLANS FOR ADDITIONAL REQUIREMENTS.

ANNOTATIONS:

 SHEET NOTE SYMBOL.

 CONTINUATION.

LINETYPES:

 NEW WORK

 EXISTING TO REMAIN

 TO BE DEMOLISHED

ABBREVIATIONS

AC	ABOVE COUNTER	MAX	MAXIMUM
ACW	ACCESS CONTROL WORKSTATION	um	MICRON / MICROMETER
ACP	ACCESS CONTROL PANEL	MIN	MINIMUM
AFF	ABOVE FINISH FLOOR	MULT	MULTI USER TELECOMMUNICATIONS OUTLET ASSEMBLY
AFG	ABOVE FINISH GRADE	MM	MULTIMODE
A.O.	ACCREDITING OFFICIAL	NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
ADA	AMERICANS WITH DISABILITIES ACT	NEC	NATIONAL ELECTRICAL CODE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	NESCC	NATIONAL ELECTRICAL SAFETY CODE
AWG	AMERICAN WIRE GAUGE	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AA	APPROVING AUTHORITY	NIPRNET	UNCLASSIFIED INTERNET PROTOCOL ROUTER NETWORK
ARCH	ARCHITECTURAL	N/A	NOT APPLICABLE
AHJ	AUTHORITY HAVING JURISDICTION	NIC	NOT IN CONTRACT
AV	AUDIO VISUAL	OSP	OUTSIDE PLANT
BBC	BONDING BACKBONE CONDUCTOR	PR	PAIR
BAS	BUILDING AUTOMATION SYSTEM	PVC	POLYVINYL CHLORIDE
CAT 3	CATEGORY 3	PB	PULL BOX
CAT 5E	CATEGORY 5 ENHANCED	PBB	PRIMARY BONDING BUSBAR
CAT 6	CATEGORY 6	PBX	PRIVATE BRANCH EXCHANGE
CAT 6A	CATEGORY 6 AUGMENTED	PDS	PROTECTED DISTRIBUTION SYSTEM
CO	COMMUNICATIONS OUTLET	RMU	RACK MOUNTED UNIT
CATV	COMMUNITY ANTENNA TELEVISION	ROOM	ROOM
C	CONDUIT	ROUGH-IN	ROUGH-IN
CP	CONSOLIDATION POINT	ScTP	SCREENED TWISTED-PAIR
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	SIPRNet	SECRET INTERNET PROTOCOL ROUTER NETWORK
CFGI	CONTRACTOR FURNISHED, GOVERNMENT INSTALLED	SBB	SECONDARY BONDING BUSBAR
COTR	CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE	SVTC	SECURED VIDEO TELECONFERENCE
DEMO	DEMOLISHED OR DEMOLITION	STP	SHIELDED TWISTED-PAIR
DDC	DIRECT DIGITAL CONTROLS	SM	SINGLEMODE
DEMARC	DEMARICATION	STRD	STRANDS
ELEC	ELECTRICAL	TBB	TELECOMMUNICATIONS BONDING BACKBONE
EMI	ELECTROMAGNETIC INTERFERENCE	TBEC	TELECOMMUNICATIONS EQUIPMENT BONDING CONDUCTOR
EMCS	ENERGY MANAGEMENT CONTROL SYSTEM	TBC	TELECOMMUNICATIONS BONDING CONDUCTOR
EMT	ELECTRICAL METALLIC TUBING	TER	TELECOMMUNICATIONS EQUIPMENT ROOM
EX	EXISTING	TR	TELECOMMUNICATIONS ROOM
FCC	FEDERAL COMMUNICATIONS COMMISSION	TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
FO	FIBER OPTIC	TYP	TYPICAL
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED	UL	UNDERWRITERS LABORATORIES INC
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED	UPS	UNINTERRUPTIBLE POWER SUPPLY
HH	HANDHOLE	UTP	UNSHIELDED TWISTED-PAIR
IAW	IN ACCORDANCE WITH	UNO	UNLESS NOTED OTHERWISE
IDP	INTRUSION DETECTION PANEL	VTC	VIDEO TELECONFERENCE
LAN	LOCAL AREA NETWORK	VoIP	VOICE OVER INTERNET PROTOCOL
MTR	MAIN TELECOMMUNICATIONS ROOM	VoSIP	VOICE OVER SECRET INTERNET PROTOCOL
MH	MAINTENANCE HOLE		

This item has been digitally signed and sealed by David M Bagwell, 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.

INSIDE PLANT GENERAL NOTES:

GENERAL:

THE TELECOMMUNICATIONS DRAWINGS PROVIDED ARE DIAGRAMMATIC AND SHOW THE GENERAL LOCATION OF ALL REQUIRED DEVICES; SUCH AS OUTLETS, RACEWAYS, EQUIPMENT, AND APPURTENANCES. THEY DO NOT SHOW ALL NECESSARY OFFSETS, JUNCTION BOXES, CABLE/LADDER TRAY TRANSITIONS, CONDUIT SLEEVES/PENETRATIONS, AND ADJUSTMENTS NECESSARY BY COORDINATION WITH OTHER TRADES IN THE FIELD.

TELECOMMUNICATION CONTRACTOR'S SCOPE OF WORK:

TELECOMMUNICATIONS CONTRACTOR SHALL BE RESPONSIBLE FOR ENTIRE STRUCTURED CABLING SYSTEM ELEMENTS DEFINED IN THIS SCOPE OF WORK. THIS INCLUDES A COMPLETE INSTALLATION OF ALL PASSIVE INFRASTRUCTURE ELEMENTS SUCH AS OUTLETS, JACKS, CABLING, CABINETS, RACKS, BACKBOARDS, LADDER TRAY (LIMITED TO TELECOM ROOMS), TELECOM EQUIPMENT ROOM/CABINET BONDING, TERMINATIONS, TESTINGS, LABELING, WARRANTIES, AND ALL REQUIRED CLOSE-OUT DOCUMENTS. THE TELECOMMUNICATIONS CONTRACTOR SHALL UNDERSTAND THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO BID, AND WILL INCLUDE IN SCOPE OF WORK ALL REQUIREMENTS NECESSARY TO ENSURE A FULLY FUNCTIONAL SYSTEM.

COORDINATION:

WITH OTHER TRADES EXAMINE AND REVIEW THE DOCUMENTS OF ALL DIVISIONS IN ORDER TO COORDINATE THE INSTALLATION OF WORK. USE DIMENSIONED DRAWINGS TO VERIFY THE SPACE NECESSARY FOR LOCATING OUTLETS, RACEWAYS, AND EQUIPMENT. USE FIELD MEASUREMENTS TO VERIFY DIMENSIONS WHERE AREAS ARE CONGESTED, AND EXACT LOCATION IS CRITICAL TO ENSURE PROPER INSTALLATION. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFYING THE LOCATION AND SIZE OF OPENINGS/PENETRATIONS IN FLOORS, WALLS, PARTITIONS, CEILINGS, AND ROOFS WITH THE INSTALLING TRADES; ALLOCATION OF SPACE WITH OTHER TRADES, INSTALLING WORK IN CHASES, SHAFTS, CEILING INTERSTITIAL SPACES, AND EQUIPMENT SPACES; AND THE PHASING OF INSTALLATION WORK WITH THAT OF OTHER TRADES. INSTALLATION SHALL CONFORM WITH NFPA 70 "NATIONAL ELECTRICAL CODE," ANSITIA, UFC 3-580-01, AND UFC 4-010-06 (UNO).

CABLING INSTALLATION:

ALL CABLING ROUTED IN SLAB, BELOW VAPOR BARRIER OR BELOW GRADE, SHALL BE U.L. LISTED FOR WET LOCATIONS THAT COMPLIES WITH UFC 3-580-01 AND NFPA 70 (NEC): PART V, 725.3(L), 110.11, 300.5(B), 300.6, AND 310.10(G). DO NOT USE PLENUM OR RISER RATED CABLE, GEL-FILLED OSP, AND UNLISTED CABLES IN SUCH AN ENVIRONMENT. FOR IN-FLOOR CONDUIT SYSTEMS, PROVIDE HOME RUNS BACK TO THE TR SERVING THAT AREA. USE A FILL RATIO OF 40 PERCENT FOR CONDUIT SIZING. DO NOT INSTALL MORE THAN FOUR, FOUR-PAIR CABLES IN A 1 INCH (27 MM) CONDUIT. PROVIDE PULL STRING IN ALL EMPTY CONDUITS AND INNERDUCT. PULL STRING TO BE RATED FOR 200LBS IN ALL CONDUITS. TELECOMMUNICATIONS FACEPLATES SHALL MATCH ELECTRICAL SWITCH AND RECEPTACLE PLATE FINISHES. PROVIDE COVER PLATES FOR ALL UNUSED J-BOX LOCATIONS. LABEL ALL CABLES WITHIN 4 INCHES OF EACH TERMINATION. PROVIDE 12 INCHES SERVICE LOOP AT THE WORK AREA END OF EACH HORIZONTAL CABLE. INSTALL VELCRO CABLE TIES TO ALL CABLE BUNDLES IN CABLE TRAY. NON-CONTINUOUS SUPPORTS, RACK WIRE MANAGEMENT, D-RINGS AND OTHER SUPPORT MEANS. BUNDLE ALL DIFFERENTIATING NETWORK CABLING SEPARATELY. BALANCED TWISTED-PAIR CABLING SHALL BE SEPARATED FROM FLUORESCENT LAMPS AND ASSOCIATED FIXTURES BY A MINIMUM OF 5 IN.

NON-CONTINUOUS CABLE SUPPORTS (WHEN SPECIFIED):

SUPPORTS MUST NOT EXCEED 20 CABLES OR 50 PERCENT OF THE FILL CAPACITY, WHICHEVER IS LESS; INTERVALS NOT TO EXCEED 5 FT.

INSIDE PLANT CONTRACTOR COORDINATION NOTE:

ELECTRICAL GENERAL NOTES - FACILITY INFRASTRUCTURE:

ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE ENTIRE INTERIOR ROUGH-IN AND SUPPORT SYSTEM NECESSARY FOR THE COMPLETE STRUCTURED CABLING SYSTEM DEFINED IN THIS SCOPE OF WORK. THIS INCLUDES A COMPLETE INSTALLATION OF ALL REQUIRED PATHWAYS INCLUDING: CABLE TRAY (EXCLUDES TRAY IN MTR/TR), CONDUIT, BACK BOXES, JUNCTION BOXES, FLOOR BOXES, BLOCKING, GROUNDING CONDUCTORS AND BUSBARS, FIRESTOPPING, POWER, AND ANY OTHER NECESSARY APPURTENANCES. THE ELECTRICAL CONTRACTOR SHALL UNDERSTAND THE FULL INTENT OF THE DRAWINGS AND SPECIFICATIONS PRIOR TO BID, AND WILL INCLUDE IN SCOPE OF WORK ALL REQUIREMENTS NECESSARY TO SUPPORT THE TELECOMMUNICATIONS SYSTEM TO COORDINATE AND ENSURE A FULLY FUNCTIONAL SYSTEM.

COORDINATION WITH OTHER TRADES:

EXAMINE AND REVIEW THE DOCUMENTS OF ALL DIVISIONS IN ORDER TO COORDINATE THE INSTALLATION OF WORK. USE DIMENSIONED DRAWINGS TO VERIFY THE SPACE NECESSARY FOR LOCATING OUTLETS, RACEWAYS, AND EQUIPMENT. USE FIELD MEASUREMENTS TO VERIFY DIMENSIONS WHERE AREAS ARE CONGESTED, AND EXACT LOCATION IS CRITICAL TO ENSURE PROPER INSTALLATION. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFYING THE LOCATION AND SIZE OF OPENINGS/PENETRATIONS IN FLOORS, WALLS, PARTITIONS, CEILINGS, AND ROOFS WITH THE INSTALLING TRADES; ALLOCATION OF SPACE WITH OTHER TRADES, INSTALLING WORK IN CHASES, SHAFTS, CEILING INTERSTITIAL SPACES, AND EQUIPMENT SPACES; AND THE PHASING OF INSTALLATION WORK WITH THAT OF OTHER TRADES. INSTALLATION SHALL CONFORM WITH NFPA 70 "NATIONAL ELECTRICAL CODE," ANSITIA, UFC 3-580-01, AND ELECTRICAL SPECIFICATIONS (UNO).

CONDUIT:

INSTALL ELECTRICAL METALLIC TUBING (EMT) CONDUIT FROM THE CABLE BACKBONE DISTRIBUTION SYSTEM, WHETHER CABLE TRAY OR ENCLOSED DUCT, TO EACH OUTLET (UNO). PROVIDE A MINIMUM OF 1 INCH EMT CONDUIT FOR STANDARD OUTLETS. WHEN CABLE TRAY OR ENCLOSED DUCT IS NOT USED, INSTALL INDIVIDUAL CONDUITS FROM THE MTR/TR TO EACH OUTLET. CONDUITS HAVE BEEN SIZED BASED ON THE NFPA, AS WELL AS ANSITIA 569. WHERE INSTALLATIONS VARY, INCREASE CONDUITS SIZES ACCORDING TO MAXIMUM NUMBER OF CABLES BASED ON ALLOWABLE FILL RATIO OF 40%. FOR IN-SLAB TELECOM DEVICES, WITH CONDUIT SYSTEMS LOCATED BELOW VAPOR BARRIER OR BELOW GRADE, PROVIDE HOME RUNS BACK TO THE MTR/TR SERVING THAT AREA. METALLIC PATHWAYS 3 FT OR GREATER IN LENGTH SHALL COMPLY WITH THE BONDING REQUIREMENTS OF ANSITIA-607. FOR CONDUITS WITH AN INTERNAL DIAMETER OF 2 IN OR LESS, THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 6 TIMES THE INTERNAL DIAMETER. FOR CONDUITS WITH AN INTERNAL DIAMETER OF MORE THAN 2 IN, THE INSIDE RADIUS OF A BEND IN CONDUIT SHALL BE AT LEAST 10 TIMES THE INTERNAL DIAMETER. BENDS IN THE CONDUIT SHALL NOT CONTAIN ANY KINKS OR OTHER DISCONTINUITIES THAT MAY HAVE A DETRIMENTAL EFFECT ON THE CABLE SHEATH DURING CABLE PULLING OPERATIONS. CONDUITS SHALL BE REAMED TO ELIMINATE SHARP EDGES. METALLIC CONDUIT SHALL BE TERMINATED WITH AN INSULATED BUSHING. DO NOT USE FLEXIBLE METAL CONDUIT FOR TELECOMMUNICATIONS WIRING EXCEPT WHEN INSTALLING ACCESS FLOOR BOXES IN AN ACCESS FLOOR, WHERE THE ACCESS FLOOR BOX MAY BE RELOCATED WITHIN A SPECIFIED SERVICE AREA. IN THIS CASE THE LENGTH OF THE FLEXIBLE METAL CONDUIT MUST NOT EXCEED A LENGTH OF 20 FEET (6 M) FOR EACH RUN PER TIA-569-D. ALL PENETRATIONS SHALL BE SEALED WITH AN APPROVED SEALANT OR U.L. LISTED PENETRATION DEVICE THAT WILL MAINTAIN THE FIRE, SMOKE AND WATERPROOF OR OTHER APPLICABLE RATINGS OF THE TYPE OF CONSTRUCTION BEING PENETRATED. SEE ARCHITECTURAL DRAWINGS FOR PENETRATION REQUIREMENTS. UNLESS NOTED OTHERWISE, ALL CONDUITS SHALL BE INSTALLED CONCEALED UNDER FLOOR SLABS, ABOVE THE CEILING AND WITHIN THE FINISHED WALLS. ALL OUTLET BOXES SHALL BE INSTALLED FLUSH MOUNTED WITHIN FINISHED WALLS, CEILINGS OR FLOORS. SURFACE MOUNTED RACEWAY AND OUTLET BOXES SHALL NOT BE PERMITTED ON FINISHED WALLS, CEILINGS OR FLOORS EXCEPT AS INDICATED ON THE DRAWINGS. WHEN SURFACE MOUNT RACEWAYS ARE INDICATED, PROVIDE RACEWAY TO EMT TRANSITIONAL ADAPTER AT ALL ACCESSIBLE CEILINGS. ABOVE ACCESSIBLE CEILING, ROUTE EMT TO SERVING CABLE TRAY OR SERVING MTR/TR. PULL ROPE SHALL BE INSTALLED IN ALL CONDUITS. PULL ROPE SHALL HAVE A MINIMUM 600LB TENSILE STRENGTH FOR ALL TELECOMMUNICATIONS CONDUITS.

WORK AREA OUTLETS:

INSTALL DOUBLE GANG ELECTRICAL BOXES, MINIMUM STANDARD SIZE 4-11/16 INCHES SQUARE AND 2-1/8 INCHES DEEP, UNO WITH APPROPRIATELY SIZED PLASTER RING FOR CONNECTION OF SINGLE GANG OR DOUBLE GANG FACEPLATE.

- **FOR SURFACE MOUNTED DEVICES:** INSTALL OUTLET BOX ON THE WALL SURFACE WITH A CONDUIT ROUTED UP TO ABOVE ACCESSIBLE CEILING SECURED TO WALL SURFACE VIA 2 HOLE STRAPS.

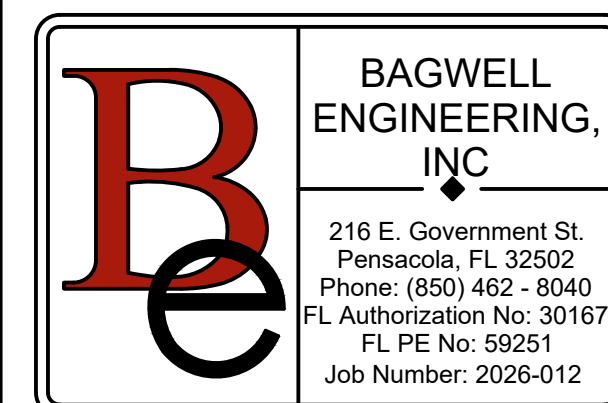
BOXES ARE ON EACH SIDE OF STC RATED WALLS. OUTLETS SHALL BE MOUNTED AT THE SAME HEIGHT AS THE ELECTRICAL OUTLETS. DO NOT PUT OUTLET BOXES IN SAME STUD CAVITY WHERE

POWER:

INSTALL A QUADRUPEX ELECTRICAL OUTLET WITHIN 6 INCHES OF ALL WORK AREA OUTLETS TO SERVE TELECOMMUNICATIONS LOADS ASSOCIATED WITH THAT OUTLET.

TELECOM GROUNDING / BONDING:

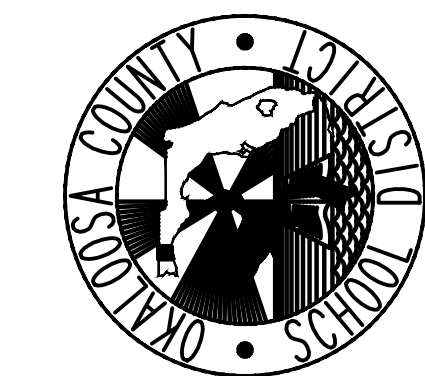
INSTALL ALL REQUIRED TELECOM GROUNDING / BONDING PER ANSITIA 607, ELECTRICAL SPECIFICATIONS, TELECOM GROUNDING DETAILS / NOTES (UNO).



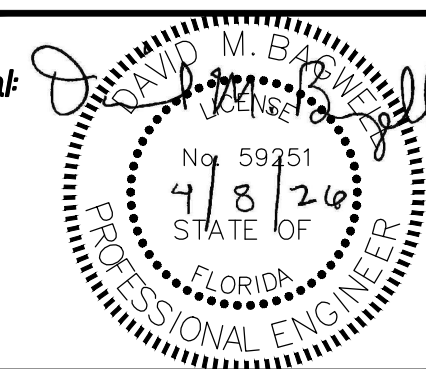
Revision:

Date: By: Description:

Cafeteria Renovation For
 Niceville High School
 Niceville, Florida
 Okaloosa County Public Schools
 Okaloosa County, Florida



Seal:



Project No: 1021.87

Drawing Title:

LEGEND, NOTES AND ABBREVIATIONS

Date: APRIL 8, 2026

Designed By: JW

Drawn By: JW

Checked By: DB

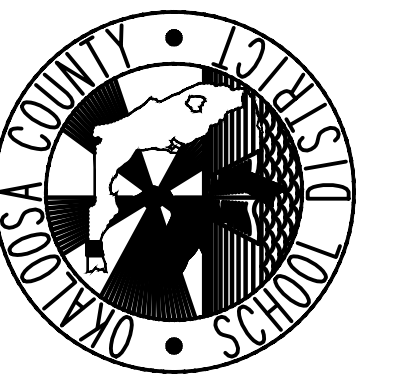
Drawing No:

T-1

BAGWELL ENGINEERING, INC.
216 E. Government St.
Pensacola, FL 32502
Phone: (850) 462 - 8040
FL Authorization No. 30167
FL PE No. 59251
Job Number: 2026-012

Revision:
Date: By: Description:

Cafeteria Renovation For
Niceville High School
Niceville, Florida
Okaloosa County Public Schools
Okaloosa County, Florida



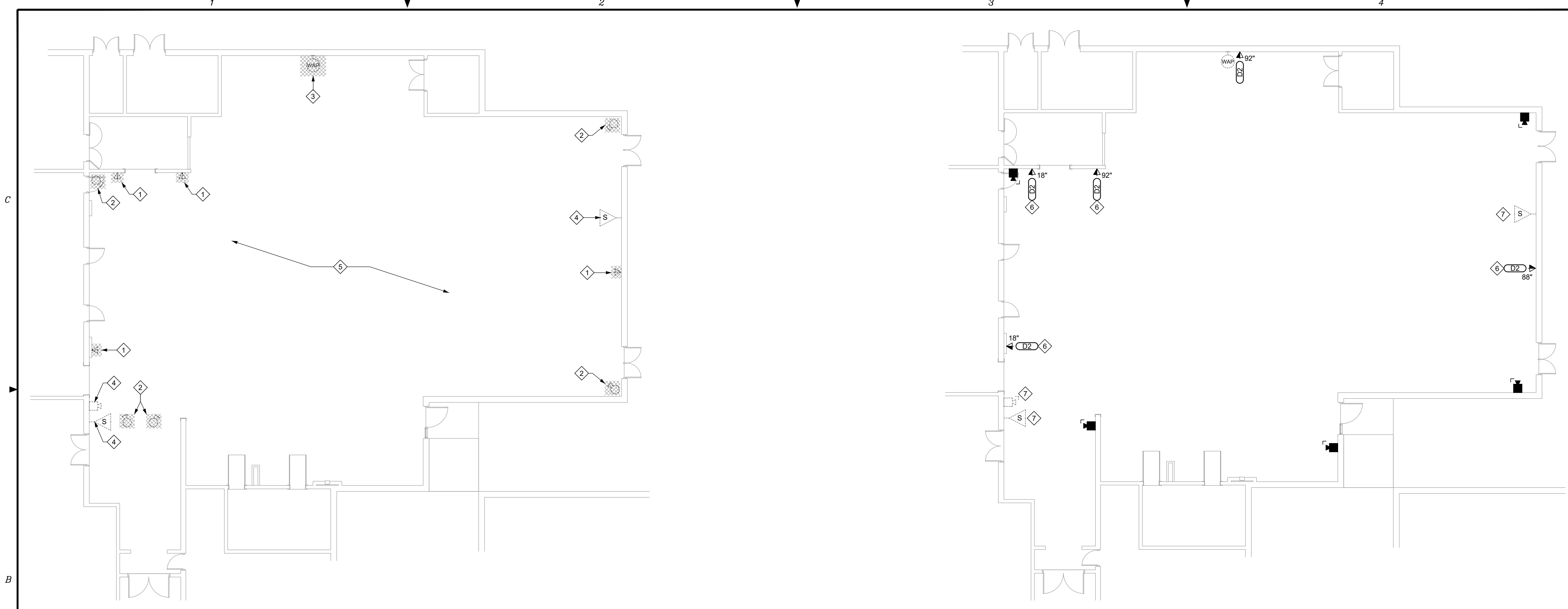
Seal: *David M. Bagwell*
No. 59251
4/8/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Project No.: 1021.87

Drawing Title:
FLOORPLAN

Date: APRIL 8, 2026

Designed By: JW
Drawn By: JW
Checked By: DB
Drawing No.: T-2



FLOOR PLAN - DEMOLITION
SCALE: 3/32" = 1'-0"



FLOOR PLAN - NEW WORK
SCALE: 3/32" = 1'-0"

SHEET NOTES

1. CONTRACTOR SHALL MAKE NOTES OF EXISTING LOCATION AND THEN DISCONNECT AND REMOVE ALL CABLING SERVING THE DATA OUTLET FROM THE OUTLET LOCATION BACK TO THE SERVING EQUIPMENT. REMOVE ALL ASSOCIATED RACEWAY, FACEPLATE, AND OUTLET COMPONENTS IN THEIR ENTIRETY.
2. DISCONNECT AND REMOVE CABLING BACK TO SERVING EQUIPMENT AND RACEWAY (IF APPLICABLE) SERVING CCTV CAMERA. CAMERA SHALL BE HANDED OVER TO JACOBS / TITAN REPRESENTATIVE UPON REMOVAL.
3. DISCONNECT AND REMOVE CABLING BACK TO SERVING EQUIPMENT SERVING WIRELESS ACCESS POINT (WAP). WAP SHALL BE DISCONNECTED AND HANDED OVER TO JACOBS / TITAN REPRESENTATIVE UPON DISCONNECTION. MOUNT SHALL REMAIN AND BE REUSED.
4. CABLING SERVING WALL MOUNTED DEVICE SHALL BE DISCONNECTED AND REMOVED BACK TO SERVING EQUIPMENT. DEVICE SHALL REMAIN AND BE REUSED. DEVICE SHALL BE PROTECTED DURING RENOVATION. MAKE NOTE OF EXISTING CABLE TYPE.
5. CEILING-MOUNTED SPEAKER SYSTEMS WITHIN THE RENOVATION AREA SHALL BE TEMPORARILY SUPPORTED FROM THE BUILDING STRUCTURE DURING REMOVAL OF THE CEILING GRID. UPON COMPLETION OF CEILING GRID REMOVAL, THE CONTRACTOR SHALL COORDINATE FINAL SPEAKER LOCATIONS WITH THE PROPOSED LIGHTING LAYOUT. WHERE CONFLICTS EXIST BETWEEN EXISTING SPEAKER LOCATIONS AND THE NEW LIGHTING LAYOUT, SPEAKER LOCATIONS SHALL BE ADJUSTED AS REQUIRED WHERE EXISTING CABLING PERMITS. AFTER FINAL SPEAKER LOCATIONS HAVE BEEN ESTABLISHED AND APPROVED, TEMPORARY SUPPORTS SHALL BE REMOVED AND PERMANENT SUPPORTS INSTALLED. ALL SPEAKERS SHALL BE SUSPENDED FROM THE STRUCTURE IN A NEAT AND WORKMANLIKE MANNER, ALIGNED UNIFORMLY, AND MAINTAINED AT CONSISTENT ELEVATIONS.
6. PROVIDE NEW CABLING, RACEWAY, FACEPLATE IN THE SAME LOCATION AS THE PREVIOUSLY LOCATED PRIOR TO REMOVAL IN ACCORDANCE WITH THE DETAILS. NEW CABLING SHALL BE ROUTED TO THE EXISTING SERVING EQUIPMENT AND TERMINATED AT THE SAME PATCH PANEL AND PORT LOCATION AS THE EXISTING CONNECTION, UNLESS OTHERWISE DIRECTED. CONTRACTOR SHALL FIELD VERIFY EXISTING CONNECTIONS PRIOR TO REMOVAL TO MAINTAIN PORT CONTINUITY.
7. PROVIDE NEW CABLING BACK TO SERVING EQUIPMENT AND TERMINATE. PROVIDE THE SAME TYPE CABLE AS EXISTING. ROUTE CABLING WITHIN STRUCTURAL SYSTEM ABOVE VIA J-HOOKS.

GENERAL NOTES

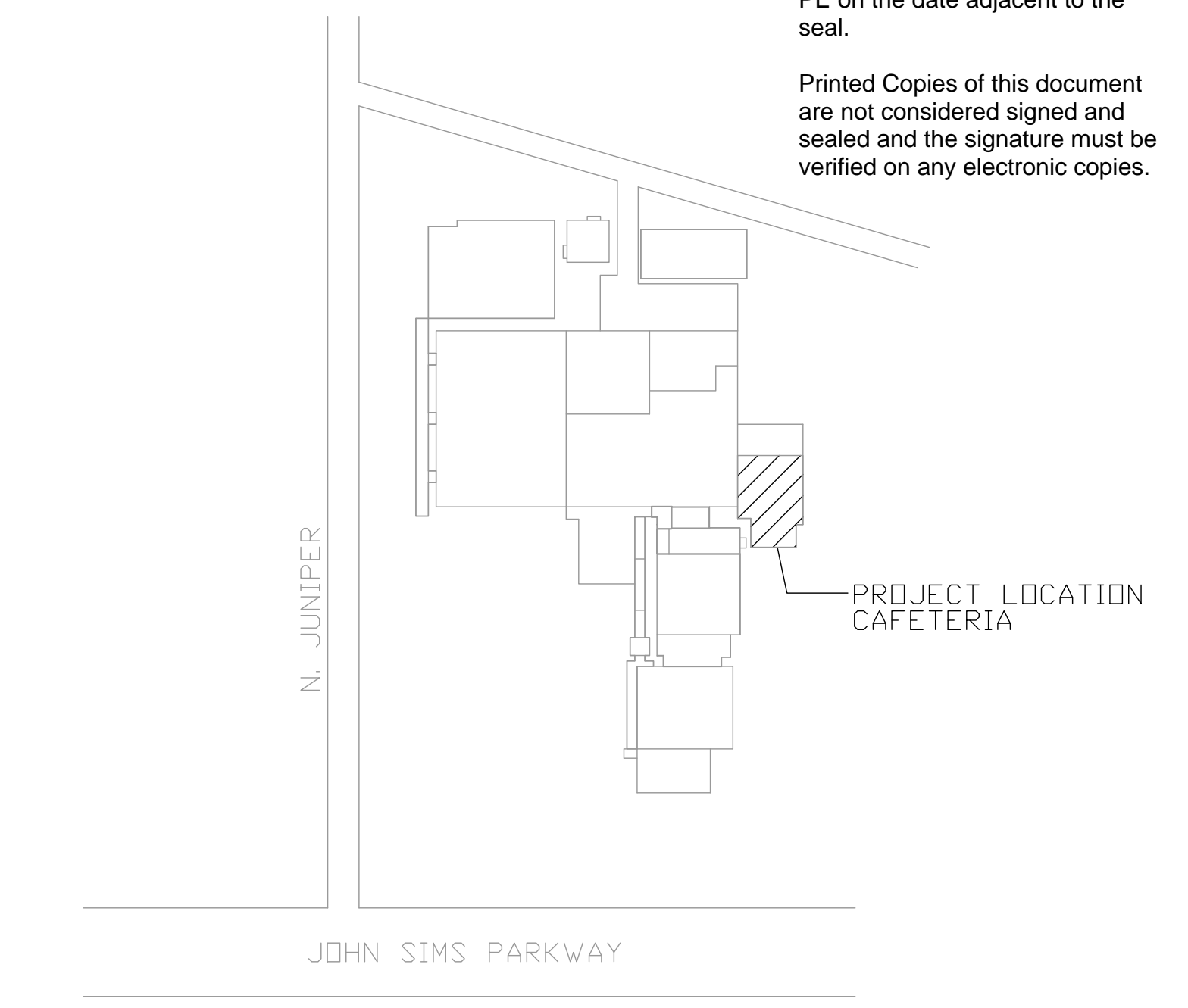
1. ALL PENETRATIONS THRU FIRE RATED WALLS, CEILINGS, FLOORS, PARTITIONS, ETC SHALL BE FIRE STOPPED TO THE LATEST CODES, STANDARDS AND THE AUTHORITY HAVING JURISDICTION. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR WALL TYPES.
2. ALL CONDUITS SHALL BE PROVIDED WITH PULL STRING REGARDLESS IF CABLE IS INSTALLED OR NOT.
3. ALL CONDUIT ENDS SHALL BE FREE OF BURRS, SHARP EDGES AND PROVIDED WITH INSULATED GROUNDING BUSHINGS AND BE PROPERLY GROUNDED PER THE NEC.
4. FINAL LOCATION OF ALL DEVICES SHALL BE COORDINATED WITH OWNER/USER PRIOR TO ROUGH-IN.

IMPORTANT NOTE

CONTRACTOR SHALL FIELD VERIFY THE EXISTING PATCH PANEL LOCATION SERVING ALL DEVICES WITHIN THE CAFETERIA PRIOR TO COMMENCEMENT OF WORK AND ORDERING. CONTRACTOR SHALL DOCUMENT EXISTING PORT ASSIGNMENTS, CLEARLY IDENTIFYING EACH DEVICE AND ITS ASSOCIATED PATCH PANEL PORT. UPON INSTALLATION OF NEW CABLING, EACH DEVICE SHALL BE RE-TERMINATED AT THE SAME PATCH PANEL PORT AS ORIGINALLY ASSIGNED. ALL NEWLY INSTALLED CABLING SHALL BE TESTED IN ACCORDANCE WITH APPLICABLE INDUSTRY STANDARDS, INCLUDING CONTINUITY, WIREMAP, AND PERFORMANCE TESTING AS REQUIRED FOR THE CABLE CATEGORY. TEST RESULTS SHALL BE DOCUMENTED AND SUBMITTED FOR REVIEW.

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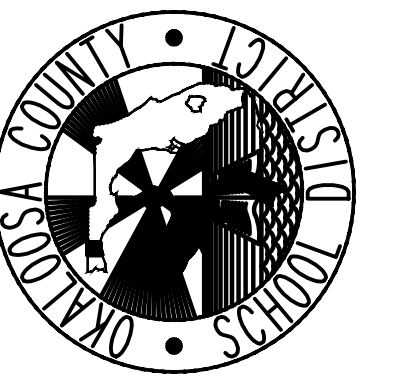


PLAN NORTH
KEY PLAN
NOT TO SCALE

BAGWELL ENGINEERING, INC.
216 E. Government St.
Pensacola, FL 32502
Phone: (850) 462-8040
FL Authorization No. 30167
FL PE No. 59251
Job Number: 2026-012

Revision:
Date: By: Description:

Cafeteria Renovation For
Niceville High School
Niceville, Florida
Okaloosa County Public Schools
Okaloosa County, Florida



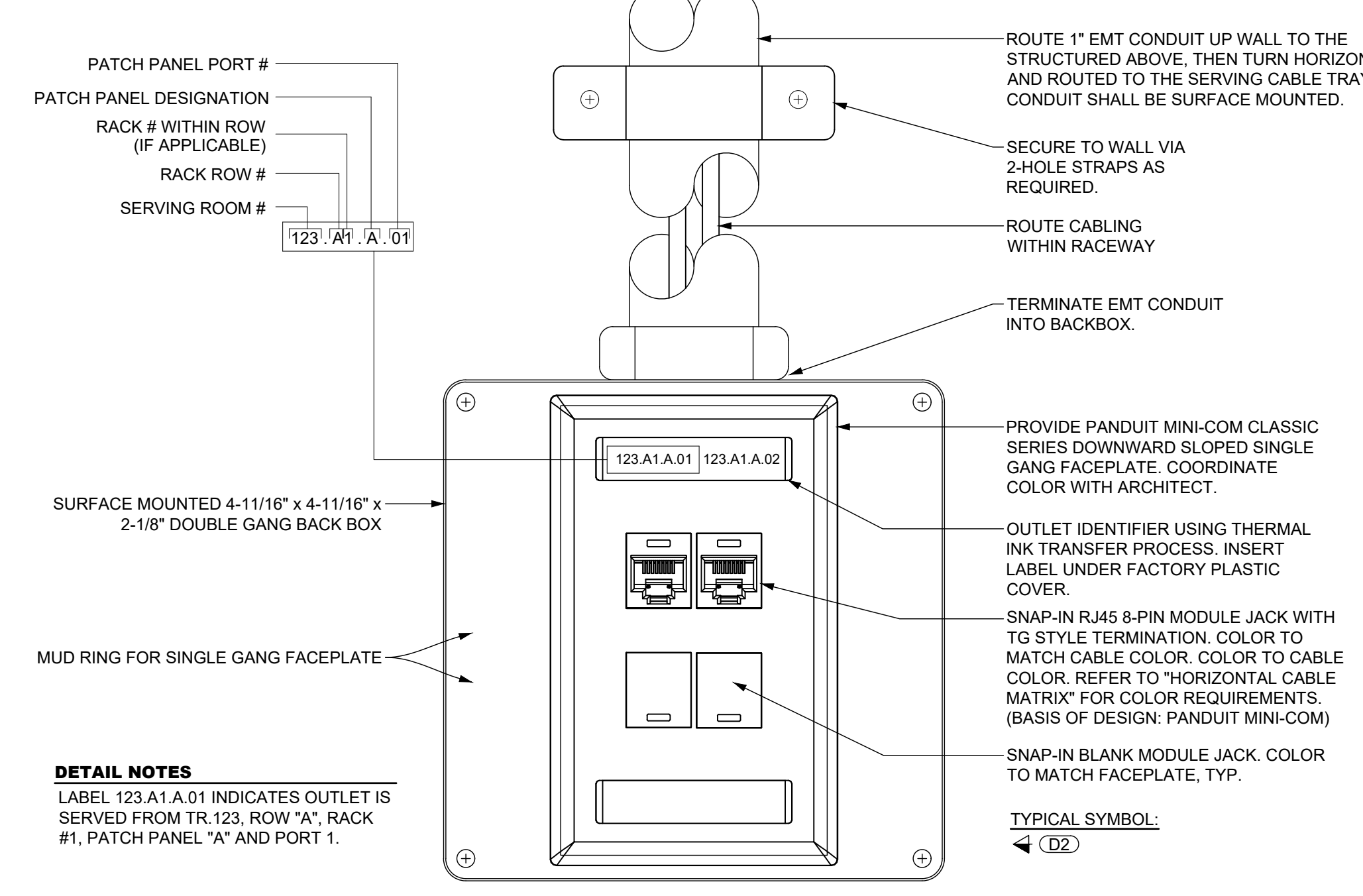
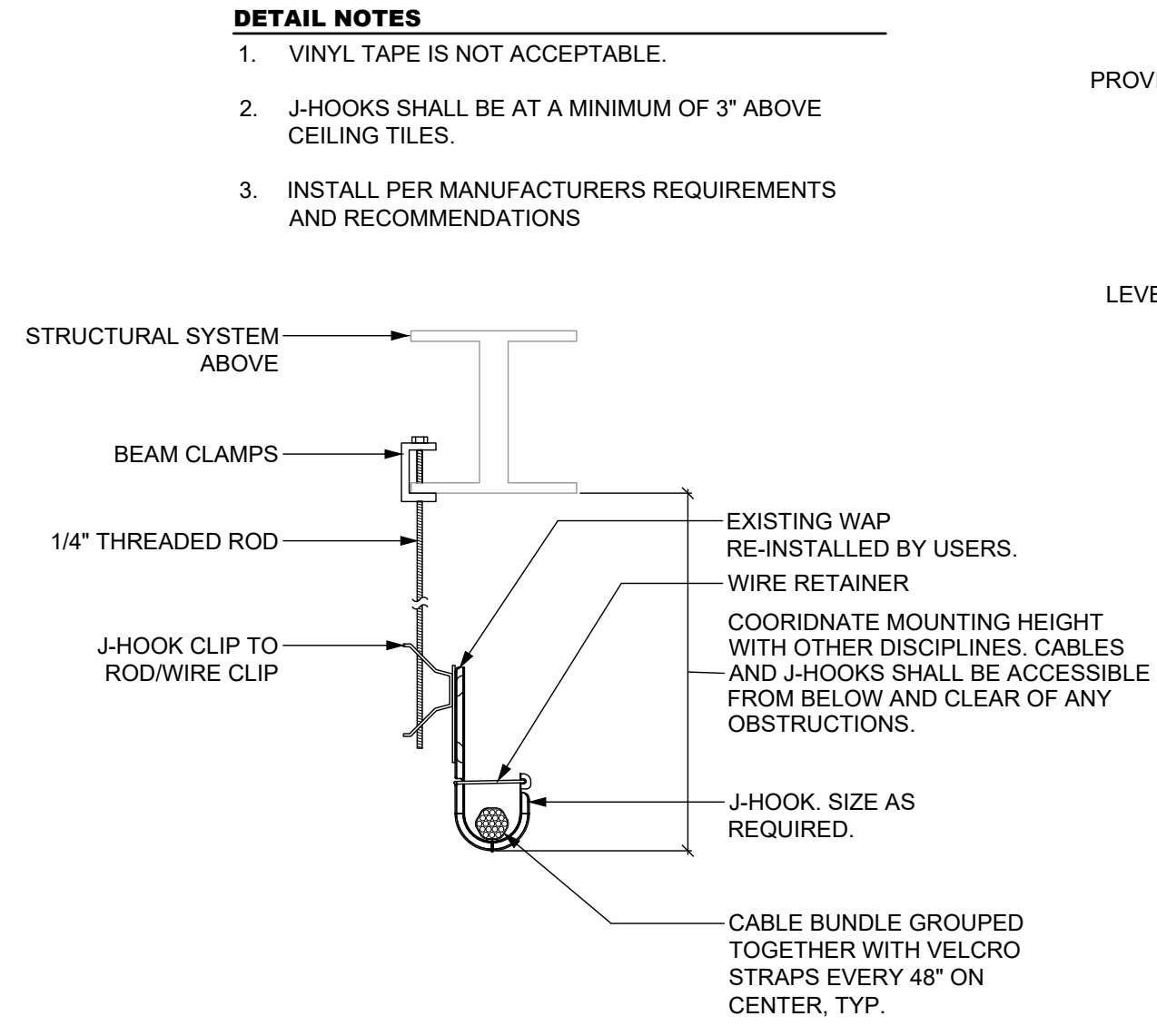
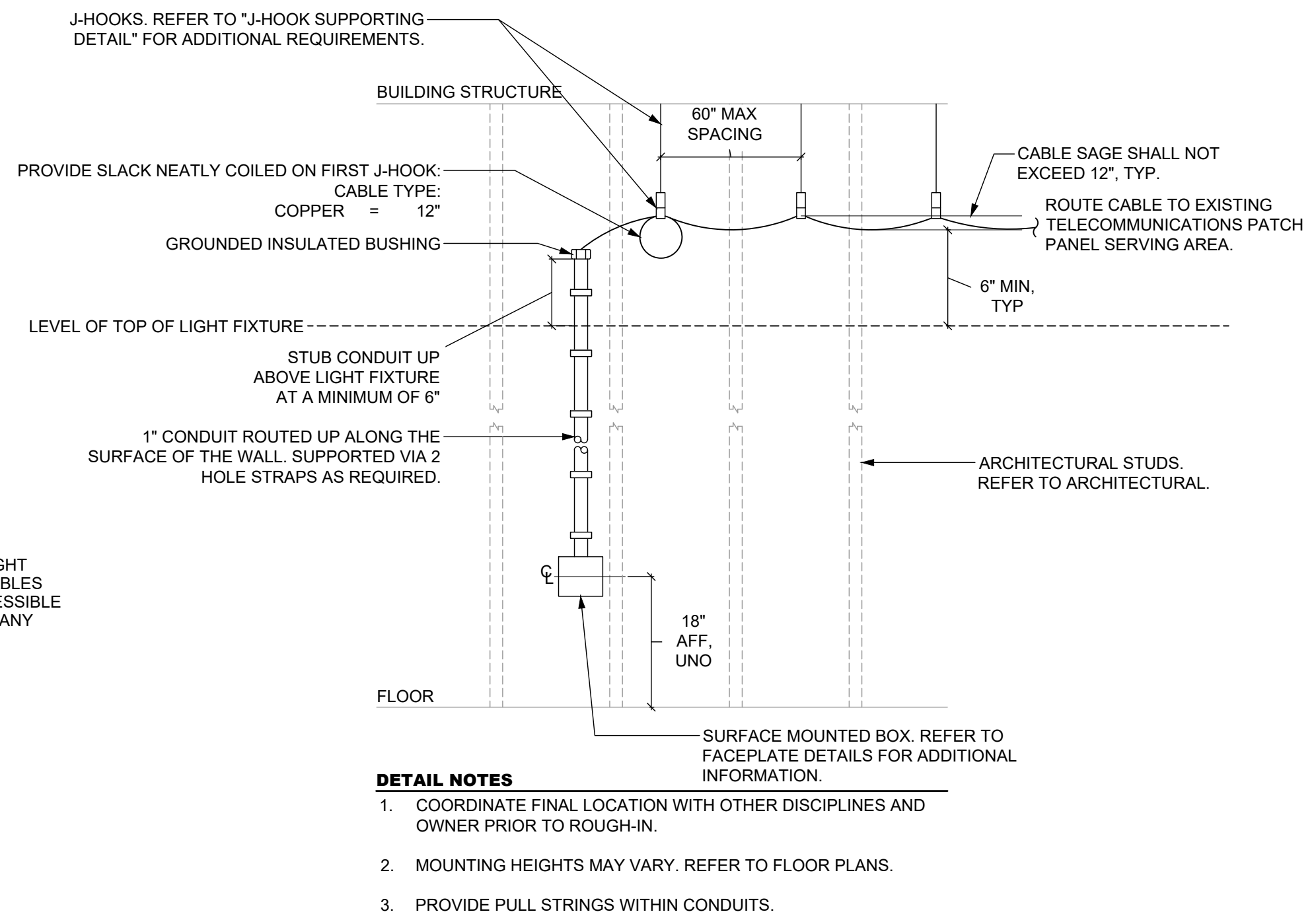
Seal: *David M. Bagwell*
No. 59251
4/8/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

Project No.: 1021.87

Drawing Title: DETAILS AND RISER DIAGRAM

Date: APRIL 8, 2026

Designed By: JW
Drawn By: JW
Checked By: DB
Drawing No.: T-3



3 TYPICAL DATA OUTLET MOUNTING DETAIL
NOT TO SCALE

2 J-HOOK MOUNTING DETAIL
NOT TO SCALE

1 TYPICAL FACEPLATE - "D2"
NOT TO SCALE

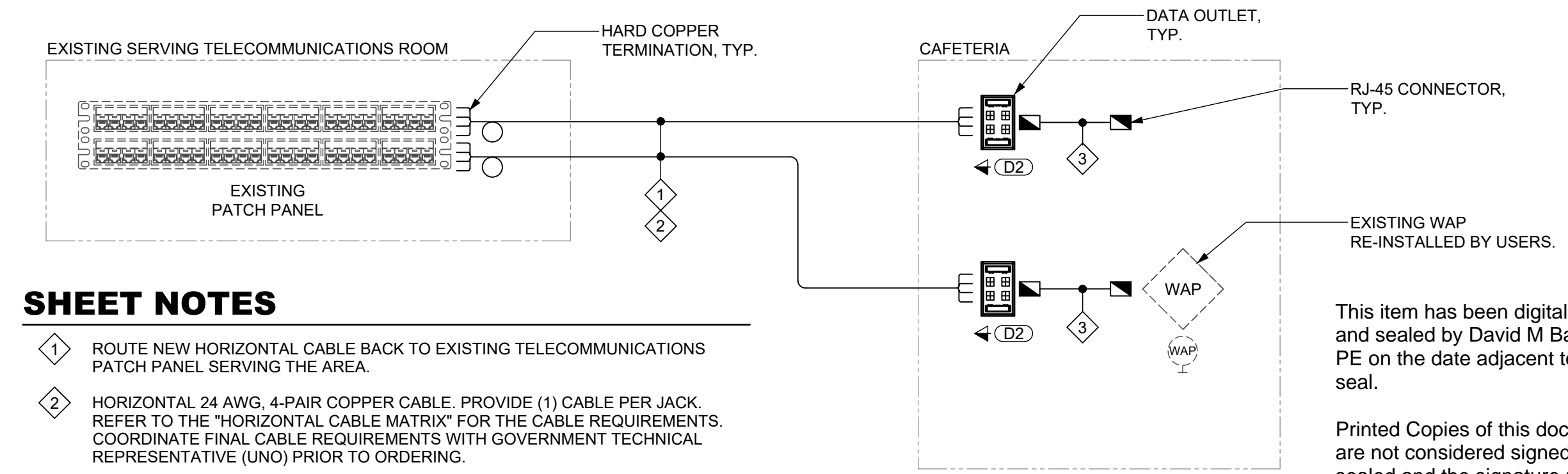
DESIGNATION	LOCATION	CABLE INFORMATION (PER PORT)				NOTES
		COLOR	TYPE	SHIELDING	CONNECTOR	
D	GENERAL WAP	BLUE	CAT 6	UTP	RJ-45	-
		WHITE	CAT 6	UTP	RJ-45	-

RISER DIAGRAM LINETYPE LEGEND

- NEW WORK / PROVIDED BY THE CONTRACTOR
- EXISTING TO REMAIN
- BUILDING / ROOM OUTLINE

GENERAL NOTES

- ALL PATCH CORDS ARE PURCHASED AND PROVIDED BY THE CONTRACTOR. CONTRACTOR SHALL HAND OVER ALL PATCH CORDS TO THE GOVERNMENT FOR THEIR USE. INSTALLATION OF PATCH CORD TO THE EQUIPMENT SHALL BE BY THE GOVERNMENT AND NOT THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH 96CS AND USERS FOR FINAL PATCH CORD LENGTHS PRIOR TO ORDERING.
- ALL CABLING SHALL BE LABELED PER TIA 606

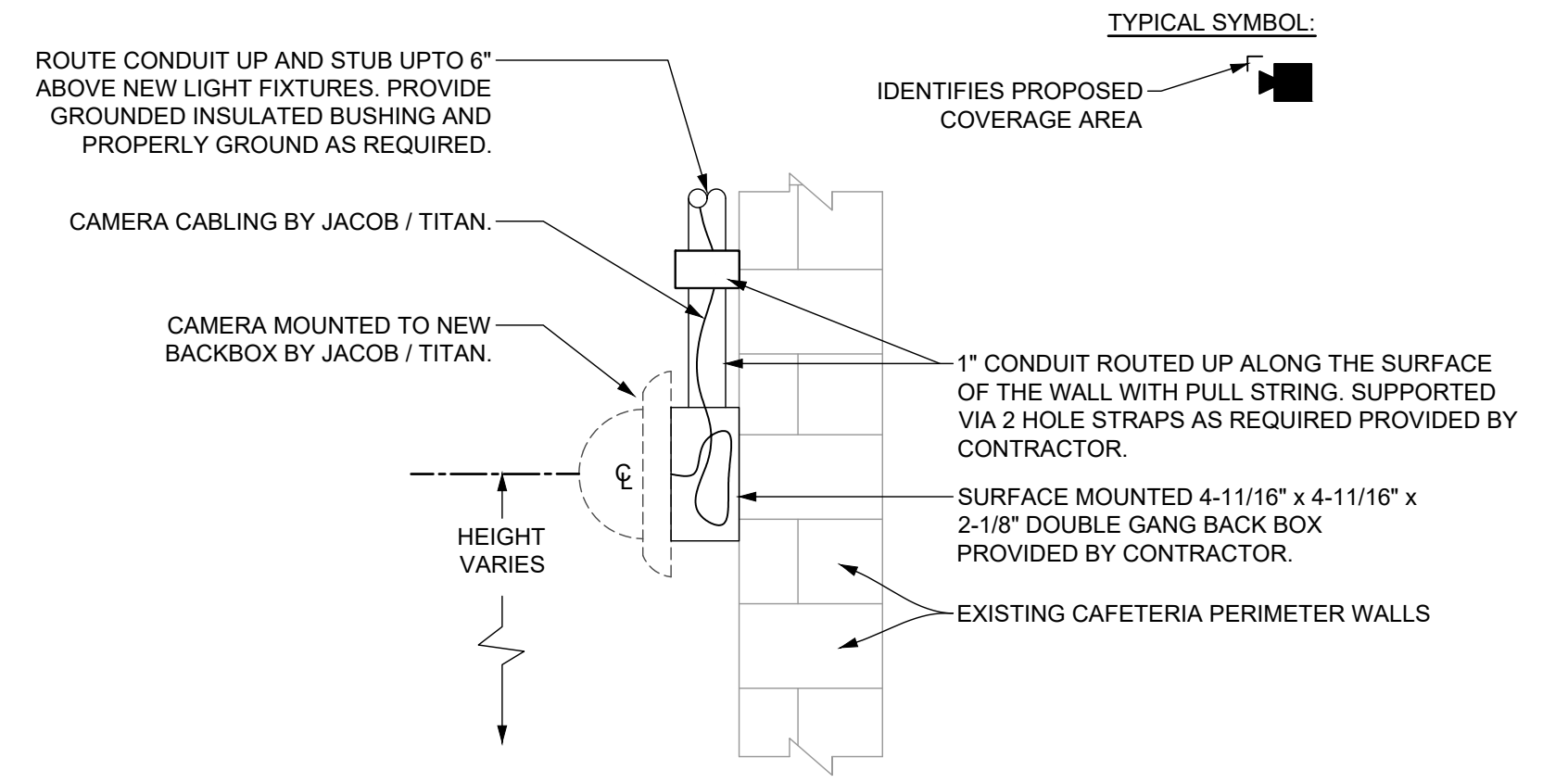


SHEET NOTES

- ROUTE NEW HORIZONTAL CABLE BACK TO EXISTING TELECOMMUNICATIONS PATCH PANEL SERVING THE AREA.
- HORIZONTAL 24 AWG, 4-PAIR COPPER CABLE. PROVIDE (1) CABLE PER JACK. REFER TO THE "HORIZONTAL CABLE MATRIX" FOR THE CABLE REQUIREMENTS. COORDINATE FINAL CABLE REQUIREMENTS WITH GOVERNMENT TECHNICAL REPRESENTATIVE (UNO) PRIOR TO ORDERING.
- 24 AWG, 4-PAIR WORKSTATION EQUIPMENT CORD. PROVIDE (1) CABLE PER JACK. REFER TO THE "HORIZONTAL CABLE MATRIX" FOR THE CABLE REQUIREMENTS. COORDINATE FINAL CABLE REQUIREMENTS WITH GOVERNMENT TECHNICAL REPRESENTATIVE (UNO) PRIOR TO ORDERING.

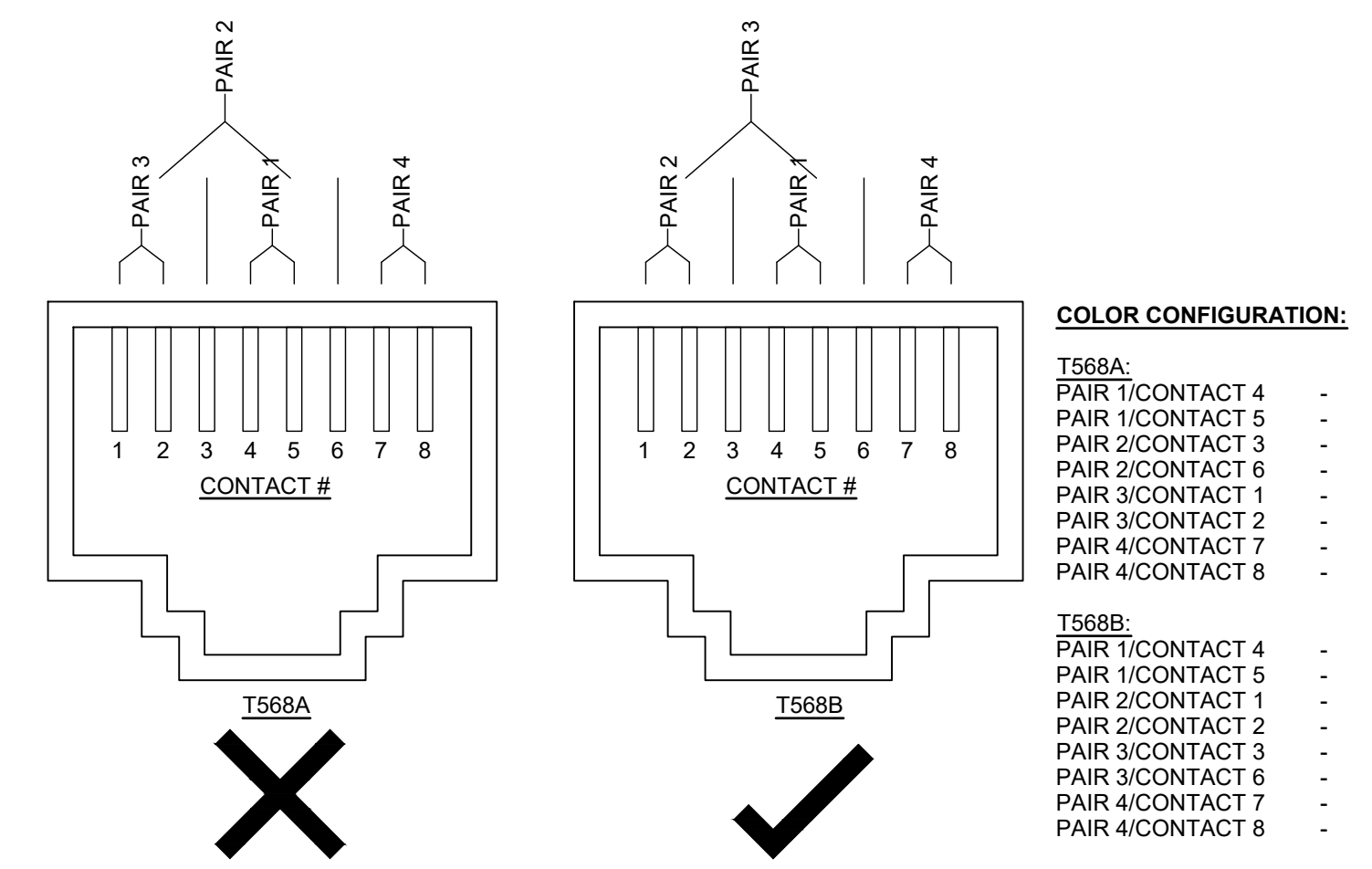
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4 WALL MOUNTED CAMERA DETAIL
NOT TO SCALE

5 WIRING TERMINATION DETAIL
NOT TO SCALE



6 RISER DIAGRAM - TELECOMMUNICATIONS
NOT TO SCALE