ESCAMBIA COUNTY FIRE - RESCUE
PARADISE BEACH - STATION 20

1250 BAUER ROAD, PENSACOLA, FLORIDA

BCC PROJECT NO.: U-26-003

David F Daniell

Digitally signed by David F Daniell
Date: 2026.07.10 16:26:45 -05'00'

RENDERING



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PROJECT TEAM

OWNER & LEAD DESIGNER:
FACILITIES MANAGEMENT DEPARTMENT
ESCAMBIA COUNTY BOARD OF COUNTY COMMISSIONERS
100 EAST BLOUNT STREET
PENSACOLA, FLORIDA 32501
(850) 380-7594
ATTN: DAVID M. CORDINGLY, COUNTY ARCHITECT

ARCHITECT & INTERIOR DESIGNER:
FORREST DANIELL & ASSOCIATES
8007 AMERICAN WAY
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(251)422-5833
ATTN: JEFF JORDAN
EMAIL: jjordan@fdaniell.com

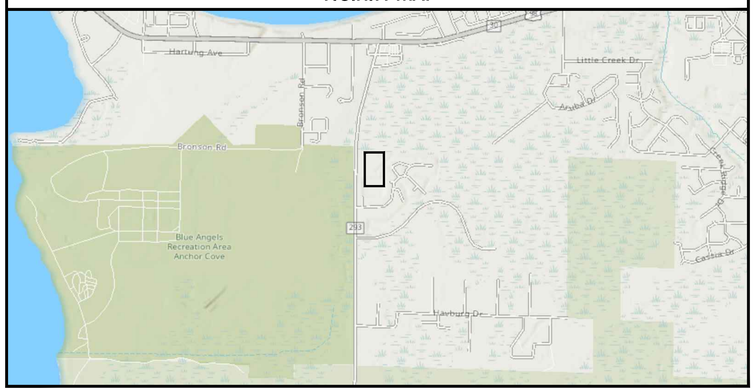
CIVIL ENGINEER:
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NAVARRE, FLORIDA 32566
(850) 428-0285
ATTN: DALE E. LONG, P.E., LEED AP
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STRUCTURAL ENGINEER:
GSE ENGINEERING
4110 MOFFETT RD.
MOBILE, ALABAMA 36618
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ATTN: LANE SESI
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MECHANICAL ENGINEER:
DELL CONSULTING
129 EAST GOVERNMENT STREET
PENSACOLA, FLORIDA 32502
(850)696-1149
ATTN: JASON MATIACIO, P.E.
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129 EAST GOVERNMENT STREET
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VICINITY MAP



CODE INFORMATION

OCCUPANCY : RESIDENTIAL R2 / STORAGE S1 MIXED OCCUPANCY
CONSTRUCTION TYPE: IIB, SPRINKLERED
FIRST FLOOR AREA: 11,604 SF
MEZZANINE AREA: 1,176
APPLICABLE CODE: 2023 FLORIDA BUILDING CODE

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
8007 American Way
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REVISIONS
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STATE OF FLORIDA
REGISTERED ARCHITECT
AR0017002

JOB #:
DATE: 4/30/2026

CS101
TITLE SHEET

BUILDING CODE SUMMARY
FOR ALL COMMERCIAL PROJECTS

1. GENERAL INFORMATION

Name of Project PARADISE BEACH – STATION 20, ESCAMBIA COUNTY FIRE – RESCUE
Address 1250 BAUER ROAD, PENSACOLA , FLORIDA
Proposed Use FIRE DEPARTMENT ADMIN AND APPARATUS BAY

Owner ESCAMBIA COUNTY FIRE –RESCUE
Address 1250 BAUER ROAD, PENSACOLA, FLORIDA
Phone 850–602–1898Fax _____ E-Mail dmcordingly@myescambia.com

Authorized Agent JEFF JORDAN, ARHITECT
Address 8007 AMERICAN WAY, DAPHNE, AL 36526
Phone 251.625.6490 Fax 251.625.6494 E-Mail jjordan@fdaniell.com

Contractor TO BE DETERMINED BY COMPETITIVE BID
Address
Phone _____Fax _____State License No _____

2. LEAD DESIGN PROFESSIONAL JEFF JORDAN, ARCHITECT

Designer	Name	License #	Phone
Architectural	JEFF JORDAN		251.422.5833
Civil	DALE LONG		850.939.5732
Electrical	JASON MATIACIO		850.332.5687
Fire Alarm	JASON MATIACIO		850.332.5687
Plumbing	JASON MATIACIO		850.332.5687
Mechanical	JASON MATIACIO		850.332.5687
Sprinkler-Standpipe			
Structural	LANE SESI	78216	615.933.7888

2.1 Special Inspections – IBC Section 1704

Building Permit Requirements: The permit applicant shall submit a statement of Special Inspections prepared by the Registered Design Professional in charge and in accordance with IBC Section 107.1. As a condition for permit issuance, this statement shall include a list of materials and work requiring special inspections by this Section, 1704.3, the inspections to be performed, list of individuals, approved agencies and firms intended to be retained for conducting such inspections.
__X__ Yes _____No

If no, explain _____

2.2 STATEMENT OF SPECIAL INSPECTIONS

PROJECT NAME:_____

PROJECT ADDRESS:_____

PERMIT NUMBER:_____

PERMIT APPLICANT:_____

PERMIT APPLICANT ADDRESS:_____

OWNER:_____

OWNER ADDRESS:_____

REGISTERED DESIGN PROFESSIONALS:

ARCHITECT:_____

GEOTECHNICAL ENGINEER:_____

STRUCTURAL ENGINEER:_____

MECHANICAL ENGINEER:_____

ELECTRICAL ENGINEER_____

A Statement of Special Inspections shall be submitted as a condition for the issuance of a permit in accordance with the International Building Code, Chapter 17. The Statement of Special Inspections shall include a Schedule of Special Inspections for the above-referenced project, as well as identify the individuals, agencies, or firms intended to be retained for conducting the Special Inspections.

The Special Inspector (s) shall keep records of all inspections and shall furnish interim inspection reports to the building official and to the registered design professional in responsible charge and at a frequency agreed upon by the permit applicant and building official prior to the start of work. Discrepancies shall be brought to the immediate attention of the contractor for correction. If the discrepancies are not corrected, the discrepancies shall be brought to the attention of the building official and the registered design professional in charge prior to the completion of that phase of the work. A Final Report of Final Inspections documenting required Special Inspections and correction of any discrepancies noted in the inspections shall be submitted by each agent at the completion of that phase of work.

The minimum frequency of interim report submittals shall be not less than:
□ Monthly □ Bi-Monthly □ Upon completion □ Per Attached Schedule

The Special Inspection Program does not relieve the Contractor of the responsibility to comply with the Contract Documents. Jobsite safety, means and methods of construction are solely the responsibility of the Contractor.

_____ _____
Owner's Signature Date

_____ _____
Building Official Signature Date

2.3 SCHEDULE OF SPECIAL INSPECTIONS

CODE SECTION	SPECIAL INSPECTOR	INSPECTION	SPECIAL INSPECTIONS SCHEDULE			
			REQUIRED		FREQUENCY OF INSPECTION	
			YES	NO	CONTINUOUS	PERIODIC
1705.2	TO BE DETERMINED	STEEL CONSTRUCTION	X			X
1705.3	TO BE DETERMINED	CONCRETE CONSTRUCTION	X			X
1705.4		MASONRY CONSTRUCTION				
1705.5		WOOD CONSTRUCTION				
1705.6	TO BE DETERMINED	SOILS	X			X
1705.7		DRIVEN DEEP FOUNDATIONS				
1705.8		CAST-IN-PLACE DEEP FOUNDATIONS				
1705.9		HELICAL PILE FOUNDATIONS				
1705.10		WIND RESISTANCE				
1705.11		SEISMIC RESISTANCE				
1705.12		TESTING & QUALIFICATION FOR SEISMIC RESISTANCE				
1705.13		SPRAYED FIRE-RESISTANT MATERIALS				
1705.14		MASTIC AND INTUMESCENT FIRE RESISTANT COATINGS				

SPECIAL INSPECTIONS SCHEDULE CONT.

CODE SECTION	SPECIAL INSPECTOR	INSPECTION	REQUIRED		FREQUENCY OF INSPECTION	
			YES	NO	CONTINUOUS	PERIODIC
1705.15		EXTERIOR INSULATION & FINISH SYSTEMS				
1705.16		FIRE RESISTANT PENETRATIONS & JOINTS				
1705.17		SMOKE CONTROL				

3. GENERAL CODE DATA

3.1 Building and Fire Codes used in design (Check all that apply)

__X__ 2023 Florida Building Code-Building
__X__ 2023 Florida Building Code-Plumbing
__X__ 2023 Florida Building Code-Mechanical
__X__ 2023 Florida Building Code-Energy Conservation
__X__ 2023 Florida Building Code-Accessibility

3.2 Construction Description

__X__ New Construction ____ Renovation (Existing Bldg.) ____Tenant Build-out
____ Alteration ____ Addition ____ Change of Occupancy

Scope of Work - Building: CONCRETE SLAB ON GRADE CONSTRUCTION WITH A PRE-ENGINEERED METAL BUILDING STRUCTURE AND ROOF. BRICK VENEER WILL BE TIED TO METAL WALL PANELS.

Scope of Work - Electrical: NEW ELECTRICAL AND LIGHTING FOR NEW CONSTRUCTION

Scope of Work - Mechanical: VENTILATION & AIR CONDITIONING FOR NEW CONSTRUCTION

Scope of Work - Plumbing: PLUMBING FIXTURES, WATER LINES, AND SEWER LINES FOR NEW CONSTRUCTION

Scope of Work – Energy Conservation:_____

Scope of Work - Fire: FIRE SPRINKLER SYSTEM FOR NEW CONSTRUCTION

3.3 Existing Buildings

The building will remain in operation during construction ___Yes ___No N/A

If yes, add provisions for rigid safety barriers and dust barriers to protect the public during construction in accordance with the applicable provisions of IBC Chapter 33. Yellow safety tape not acceptable.

3.4 Renovations

Is the work in this building or space a change of occupancy? ___Yes ___No N/A

3.5 Historic buildings

This building is a Historic Building ___Yes ___No N/A

3.6 Compliance Alternatives- (IBC Section 3412)

Provide building evaluations when existing building does not meet current codes and renovations will not meet all requirements of current building code. Provide evaluation of existing building and a second evaluation reflecting those design features chosen by the Architect/Engineer to give the building a positive score for fire safety, means of egress, and general safety. Call Chief Building Inspector if you are not sure whether evaluation is required or not. Include Summary sheet (Tables in 3412) on drawings including applicable calculations.

4. BUILDING DATA

Construction Type __ IA __ IB __ IIA __X__ IIIB __ IIIA
__ IIIB __ IV __ VA __ VB

Mixed construction __X__ No __ Yes Types____

Sprinklers __ No __X__ Yes __ Partial
System Type __X__ 13 __ 13R __ 13D

Standpipes __X__ No __ Yes __ Wet __ Dry Class __ Combined

Building Height 30 Feet 1 Number of Stories ___ Unlimited (IBC 507) ____

Mezzanine: __ No __X__ Yes

High Rise __X__ No __ Yes

Atrium __X__ No __ Yes

Basement __X__ No __ Yes

5. OCCUPANCY CLASSIFICATION

__ Assembly 303 ___ A-1 ___ A-2 ___ A-3 ___ A-4 ___ A-5
__ Business 304
__ Education 305
__ Factory Industrial 306 ___ F-1 ___ F-2
__ High-Hazard 307 ___ H-1 ___ H-2 ___ H-3 ___ H-4 ___ H-5
__ Institutional 308 ___ I-1 ___ I-2 ___ I-3 ___ I-4 ___ Condition
__ Mercantile 309
__X__ Residential 310 __ R-1 __X__ R-2 __ R-3 __ R-4
__X__ Storage 311 __X__ S-1 __ S-2 __ High-piled
__ Utility and Miscellaneous 312
__ Parking Garage 406.2 ___ Open 406.3 ___ Enclosed 406.4 ___ Repair 406.6

5.1 Occupant Load

Occupant Load/Occupancy Type = PER LIFE SAFETY PLAN Total 107
Note: Include occupant load calculations for the following types of projects: assembly, educational, institutional, large complex projects, mixed occupancies, multi-story projects.

5.2 Special Occupancy: 406 and 509

__ Parking Garage 406.2 ___ Open 406.3 ___ Enclosed 406.4 ___ Repair 406.6
__ S-2 Enclosed Parking Garage w/ S-2 open parking above 510.3
__ Parking Beneath R 510.4 ___ R-1 ___ R-2 Construction Type ____ IIA ____ III A
__ Open parking beneath A, I, B, M and R 510.7
__ S-2 enclosed parking with A, B, M or R

5.3 Mixed Occupancy ___ No __X__ Yes Separation __2__ Hr

Exception_____

Identify whether you are using the provisions of Non-Separated Uses or Separated Uses by placing an "X" below by your design choice.

___ Non-Separated Mixed Occupancy (508.3)

The required type of construction for the building shall be determined by applying the _____ height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building.

__X__ Separated Mixed Occupancy (508.4)

Each portion of the building shall be individually classified as to use and shall be completely separated from adjacent areas by fire barrier walls or horizontal assemblies or both having a fire-resistance rating determined in accordance with Table 508.4 for the uses being separated. For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1.

__ Incidental Use Areas (Table 508.2.5)

Actual Area of Occupancy A / *Allowable Area of Occupancy A* + *Actual Area of Occupancy B* / *Allowable Area of Occupancy B* < 1

6. ALLOWABLE BUILDING AREAS AND HEIGHTS (TABLE 503)

6.1 Allowable Area

Allowable area 62,000 Sq. Ft Actual area 11,604 Sq. Ft
Attach area increase calculations per Section 506, if applicable. For unlimited areas, provide applicable paragraph number in Section 507 _____.

6.2 Allowable Height

Allowable height 75 Ft Actual building height 30 Ft
Allowable no. of stories 3 Actual no. of stories 1

7. FIRE PROTECTION REQUIREMENTS

7.1 Building Element

	Req'd Rating	UL No.*
Structural frame, columns, girders, trusses	0	
Bearing Walls Exterior	0	
Bearing Walls Interior	0	
Non-bearing walls and partitions Exterior	0	
Non-bearing walls and partitions Interior	0	
Floor Construction: supporting beams and joists	0	
Roof construction (Including supporting beams and joists)	0	

Sprinkler Systems __X__ Yes ___No ___Partial
Sprinkler Type __X__ 13 ___13R ___13D
Standpipes ___Yes __X__ No ___Wet ___Dry Class
Fire/Smoke Alarm __X__ Yes ___No

7.2 Fire Rated Elements

Fire Element	Required	UL* Hourly Rating	Number
Interior Walls			
Bearing	N/A		
Non-bearing	0		
Ceiling-Floors	0		
Beams	0		
Columns	0		
Ceiling-Roofs	0		
Shafts-Exit	N/A		
Shafts-Other	N/A		
Corridor Separation	0		
Occupancy Separation	YES	2 HOUR	UL U430
Party/Fire Wall Separation:	N/A		
Smoke Barrier Separation:	N/A		
Tenant Separations:	N/A		

*** Or other approved agencies**

FOOTNOTES

1. All fire rated walls shall be identified on plans by hatching, shading, etc.; show legend.
2. Identify code section when using any special exceptions, etc.
   Reproduce full UL or other approved agencies details or reproductions of rated assemblies/penetrations on the drawings.

7.3 Draftstopping

Draftstopping in floor (718.3) ___ Yes ___ No N/A

Draftstopping in attic (718.4) ___ Yes ___ No N/A

7.4 Distance to Property Line from Exterior Wall (Table 602)
(Site Plan/Reference Plan required)

Fire Separation Distance >30 Ft Fire Resistance Rating 0 Hrs

7.5 Life Safety Systems

Emergency Lighting:	___No	__X__ Yes
Exit Signs:	___No	__X__ Yes
Fire Alarm:	___No	__X__ Yes
Smoke Detection Systems:	__X__ No	___ Yes

8. EXIT REQUIREMENTS

8.1 Exit Access

No. of exits required 2
No. of exits furnished 4

8.2 Means of egress width (1005)

Units of Exit required 21.4 inches
Units of Exit furnished 240 inches

Stair width units required 12 inches N/A
Stair width units provided 48 inches N/A

8.3 Diagonal Rule (1015.1)

Meets 1015.2.1 __X__ Yes ___No

8.4 Travel Distance (Table 1016.1)

Allowable Travel Distance 250 Ft
Actual Travel Distance (Maximum) 60 Ft

8.5 Spaces with one means of egress (1015)

For buildings with one means of egress, I have checked the occupant load and the common path of travel against the requirements of IBC 1015. ___Yes ___ No. N/A

9. LIFE SAFETY PLAN

Provided __X__ Yes ___ No (If yes, Drawing No.) G102

10. ACCESSIBILITY (Chapter 11)

Design conforms to IBC Chapter 11 ICC A117.1-2009 . __X__ Yes ___ No
If no, explain condition that will not allow building to be accessible.

10.1 ACCESSIBLE PARKING

Total Parking Spaces _____
Total Accessible Parking Spaces _____
Total Accessible Van Parking _____

11. DESIGN LOADS

Ultimate Design Wind Speed Maps in accordance with 1109 or ASCE 7-10

_____ Risk Cat. I – 145 mph _____ Risk Cat. II – 159 mph ___X___ Risk Cat. III & IV – 169 mph

Classification of Building Category/Use Group ___IV_____ (I, II, III, IV)

Live Load Roof 20 PSF
Attic _____ PSF
Mezzanine 100 PSF
Floor 100 PSF @ 4" SLAB
250 PSF @ 8" SLAB

Wind Borne Debris Region (1609.1.2)

This building will use impact resistant glass per 1609.1.2. __X__ Yes ___ No
This building will use wood structural panels per exception 1609.1.2. ___ Yes ___ No
This building will use shutters.____ Yes ____ No

Load-Bearing Values of Soils (1610)

Allowable soil bearing 2,000 pounds / sq. ft.
Soil Report __X__ Yes ___ No.

Earthquake Design (1613)

Seismic Design Load Controls _____ Yes __X__ No
If seismic design controls, furnish data required in 1603.1.5.

12. SPECIAL DETAILED REQUIREMENTS

I have reviewed the special detail requirements in Chapter 4 as indicated below and incorporated the provisions into my design.

REQUIREMENT **APPLICABLE**

(Yes or N/A)

402 Covered Mall building	N/A
403 High rise buildings	N/A
404 Atriums	N/A
405 Under Ground buildings	N/A
406 Motor-vehicle Related Occupancies	N/A
407 Group I-2	N/A
408 Group I-3	N/A
409 Motion Picture Projection Rooms	N/A
410 Stages & Platforms	N/A
411 Special Amusement Buildings	N/A
412 Aircraft Related Occupancies	N/A
413 Combustible Storage	N/A
414 Hazardous Materials	N/A
415 Groups H-1, H-2, H-3, H-4, & H-5	N/A
416 Application of flammable finishes	N/A
417 Drying Rooms	N/A
418 Organic Coatings	N/A

13. FLOOD REQUIREMENTS (IBC 1612)
All projects located in a Special Flood Hazard Area shall comply with the City of Mobile Storm Water Management and Flood Control Ordinance.

13.1 Special Flood Hazard Area N/A
____ Yes ____ No

13.2 Flood Zone
Base Flood Elevation (BFE) _____
Minimum Finish Floor Elevation (MFFE) _____

13.3 Flood proofing Requirements

____ Yes ____ No

13.4 Flood Proofing Certificate provided

____ Yes ____ No

13.5 Flood Proofing Plan included
____ Yes ____ No

13. FLOOD REQUIREMENTS (IBC 1612) CONT.

13.6 Flood Openings Requirements

____ Yes ____ No

Total net area of flood openings _____
No. of flood openings _____

13.7 Comments _____

***14. QUALITY ASSURANCE FOR WIND REQUIREMENTS (IBC 1705.10)**

I have reviewed the requirements of IBC Section 1705 and my design incorporates the requirements of this Section of the Code and is reflected on the drawings and in the specifications.
__X__ Yes ____ No

I have notified the Contractor of his responsibility under Section 1704.
____ Yes ____ No

*Contractor's Signature: _____
At time of permitting

15. SAFETY GLAZING FOR HAZARDOUS LOCATION

I have identified on drawings where tempered glass is required in hazardous locations. (2406.3)
__X__ **Yes** ____No

16. PREFABRICATED METAL BUILDINGS

Requirements for metal building erection drawings included on drawings YES

17. PRE-ENGINEERED TRUSSES N/A

Live Loads shown _____
Wind Loads shown _____
Certification from manufacturer (Sealed) _____

18. FIRE DEPARTMENT REQUIREMENTS

18.1 Required water supply 562.5gpm @ psi (per Architect/Engineer)
(The Insurance Service Office (ISO) method; the Iowa State University (ISU) Method; the Illinois Institute of Technology (IIT) Research Institute Method), or the 2012 International Fire Code.

18.2 Hydraulic calculations for fire hydrant systems shall be submitted to the Fire Department for review and approval prior to construction.
__X__Yes _____No

18.3 Timing of Installation. Fire apparatus access roads and a water supply for fire protection shall be installed and made serviceable prior to and during the time of construction.

_____Yes __X__No

18.4 Knox Key Box is required for all commercial occupancies with fire alarm and fire protection systems and all commercial occupancies requiring a certificate of occupancy inspection.
__X__Yes _____No

19. ENERGY CODE REQUIREMENTS

19.1 Energy Requirements:
The following data shall be considered minimum and any special attribute required to meet the energy code shall also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet. If performance method, state the annual energy cost for the standard reference design versus annual energy cost for the proposed design.

19.2 Climate Zone: 2 - Mobile, Alabama

19.3 Method of Compliance:

Prescriptive (International Energy Conservation Code – (Latest edition adopted by State)) ____
Building Envelope Requirements
Building Mechanical Systems
Service Water Heating
Electrical Power & Lighting System
Prescriptive (ASHRAE 90.1) __X__
UA Trade-Off (need signed COMcheck calculations or other approved software) _____
Performance (International Energy Conservation Code) _____
Performance (ASHRAE 90.1) _____

20. ELECTRICAL CODE REQUIREMENTS

20.1 Electrical Work __X__ Yes ____ No
(If no, submit a Letter of Supervision indication electrical is not included in scope of work.)

20.2 Riser Diagram included __X__ Yes ____ No

20.3 Panel Schedules __X__ Yes ____ No

20.4 Light Fixture Schedule __X__ Yes ____ No

20.5 Service Location __X__ Yes ____ No

20.6 Panel Location __X__ Yes ____ No

21. MECHANICAL CODE REQUIREMENTS

21.1 Provide complete floor plan of mechanical layout (ductwork, a/c units, air-handlers, etc.)
__X__ Yes ____No

21.2 Manufacturer's specifications. __X__ Yes ____ No

21.3 HVAC equipment schedules. __X__ Yes ____ No

21.4 HVAC clearances. __X__ Yes ____ No

21.5 EER ratings for cooling capacity. __X__ Yes ____ No

21.6 Permanent roof access location, (if required) __X__ Yes ____ No

21.7 Outside air ventilation calculations, (ASHRAE 62-2012) __X__ Yes ____ No

21.8 Verify rated walls/ceilings with in building. __X__ Yes ____ No

21.9 Printout of heating and cooling load calculations, (manual J) ____ Yes __X__ No

21.10 Dryer vent length and location, (if applicable) __X__ Yes ____ No

22. RESTAURANTS/BUILDINGS USING COOKING EQUIPMENT N/A

22.1 Kitchen equipment schedule. ____ Yes ____ No

22.2 Ventilation calculations shown on drawings. ____ Yes ____ No

22.3 Cooking and ventilation equipment specifications. ____ Yes ____ No

22.4 Exhaust outlet discharge clearances. ____ Yes ____ No

22.5 Hood clearances from combustibles.

22.6 Exhaust duct materials and construction type. ____ Yes ____ No

22.7 Exhaust duct layout diagram shown. ____ Yes ____ No

23. PLUMBING REQUIREMENTS

23.1 Plumbing Work __X__ Yes ____ No
(If no, submit a Letter of Supervision indication plumbing is not included in scope of work.)

23.2 Riser Diagram included __X__ Yes ____ No

23. PLUMBING REQUIREMENTS CONT.

23.3 Fixture Schedule included __X__ Yes ____ No

23.4 Public Sewer __X__ Yes ____ No

23.5 Total Number of Required Fixtures:

IPC TABLE 403.1
TOTAL NUMBER OF REQUIRED FIXTURES

	OCCUPANCY	OCCUPANT LOAD	WATER CLOSETS				LAVATORIES				SERVICING DRINKING FOUNTAIN			
			RATIO	MEN	RATIO	WOMEN	RATIO	MEN	WOMEN					
REQUIRED	R2/S1	107		2		2		2	2	2				
PROVIDED				6		6		6	6	2				
TOTAL														

END OF BUILDING CODE SUMMARY

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

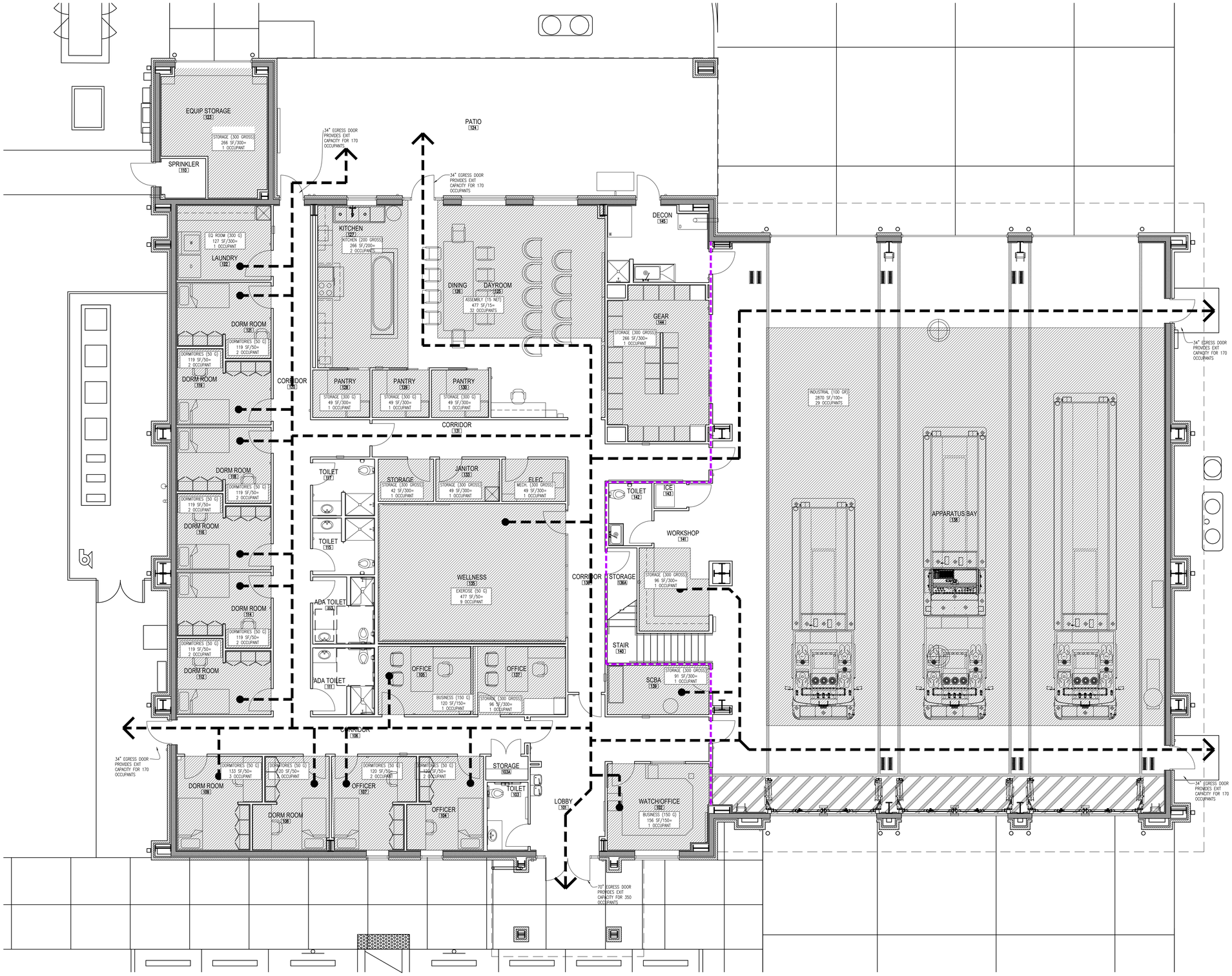
FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
8007 American Way
Daphne, AL 36526
251.625.6490 wk.
251.625.6494 fx.
www.fdaniell.com

REVISIONS
1
2
3
4
5
6
7

STATE OF FLORIDA
FORREST CHILTON DANIELL
AR0017802
REGISTERED ARCHITECT

JOB #:
DATE: 4/30/2026

G101
CODE REVIEW



LIFE SAFETY PLAN

1 G102 — 3/16"=1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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REVISIONS

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STATE OF FLORIDA
DENNIS J. DANIELL
AR0017802
REGISTERED ARCHITECT

JOB #:
DATE: 4/30/2026

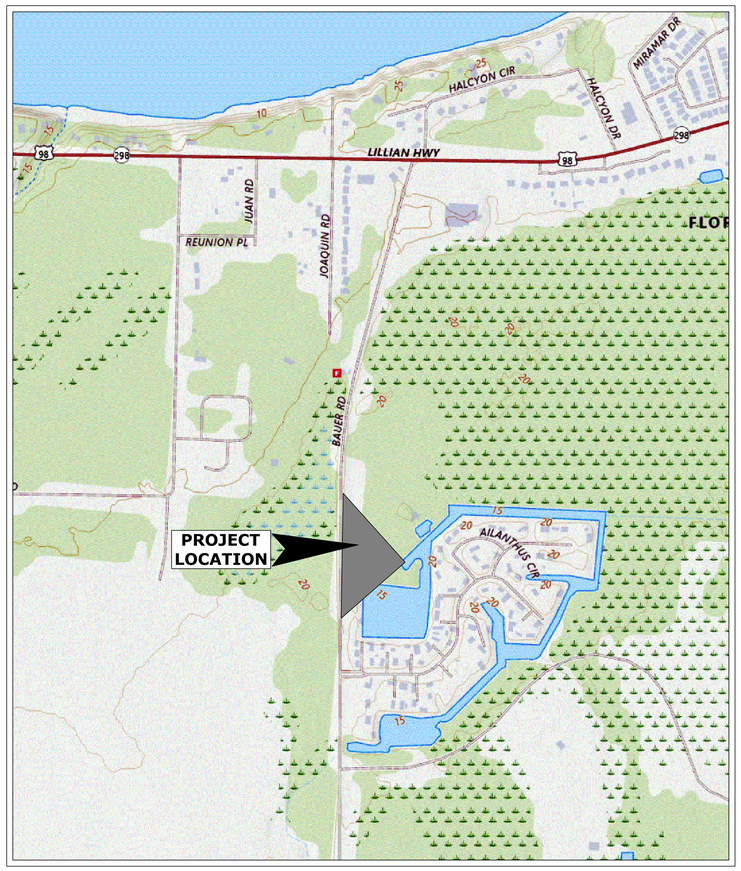
G102

LIFE SAFETY PLAN

PERMITTING PLANS

FOR

PARADISE BEACH FIRE STATION #20



N
MES INC
LOCATION MAP
SCALE: 1"= 500'

A. ECUA Engineering Manual Incorporated by Reference

The ECUA Engineering Manual, dated December 18, 2014, along with Update # 1 dated September 1, 2016 (hereinafter "Manual"), located at www.ecua.fl.gov, is hereby incorporated by reference into this Project's official contract documents as if fully set forth therein. It is the Contractor's responsibility to be knowledgeable of the Manual's contents and to construct the Project in accordance with the Manual. The Contractor shall provide its employees access to the Manual at all times, via Project site or office, via digital or paper format. In the event of a conflict between the Manual and Plans, Contractor shall consult Engineer of Record for proper resolution.

B. Additional Documents (to be completed by the Engineer of Record)

Does this Project have additional technical specifications or construction details that supplement and/or supersede the Manual listed above? ☐YES NO☐. If yes, Contractor shall construct Project in accordance with said documents as listed and located below:

Document Name	Document Type		Location	
	Specification	Detail	Plans	Project Manual*
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐
	☐	☐	☐	☐

**Project Manuals used only with ECUA CIP Projects*

C. Engineer of Record Responsibilities

The Engineers of Record (EORs) that have affixed their seals and signatures on these plans warrant their portions of the plans have been designed in accordance with the Manual (unless otherwise directed by the ECUA Project Engineer). The EORs shall be knowledgeable of the Manual's contents and shall assume responsibility for its use on this Project.

ENGINEER:

MUNICIPAL ENGINEERING SERVICES, INC.
8574 TURKEY BLUFF ROAD
NAVARRE, FLORIDA 32566
CONTACT: DALE E. LONG, PE, LEED AP
PHONE: (850) 428-0285
EMAIL: dlong@mesi-fl.com

OWNER/DEVELOPER:

ESCAMBIA COUNTY FACILITIES MANAGEMENT
100 E. BLOUNT ST.
PENSACOLA, FL 32501
CONTACT: MR. DAVID M. CORDINGLY
PHONE : (850) 595-0546
EMAIL: dmcordingly@myescambia.com

SITE INFORMATION:

STREET ADDRESS: 1250 BAUER ROAD
PARCEL ID: 27-2S-31-2202-000-000
PARCEL ZONING: CON
PARCEL FUTURE LAND USE: CON
PROPOSED USE: FIRE STATION
PARCEL SIZE: 5.2068 ACRES

SHEET INDEX

C-000	COVER SHEET, SHEET INDEX, AND LOCATION MAP
C-001	GENERAL NOTES & LEGEND
C-002	EROSION & SEDIMENT CONTROL NOTES & DETAILS
C-003	STORMWATER POLLUTION PREVENTION PLAN
C-101	EXISTING CONDITIONS
C-102	DEMOLITION AND EROSION CONTROL PLAN
C-201	SITE PLAN
C-202	CONCRETE JOINT PLAN
C-301	GRADING AND DRAINAGE PLAN
C-302	NORTH STORMWATER POND GEOMETRY AND SECTIONS
C-303	SOUTH STORMWATER POND GEOMETRY AND SECTIONS
C-401	UTILITY PLAN
C-501	GEOMETRY, STRIPING & SIGNAGE PLAN
C-601	LANDSCAPING PLAN
C-701	CIVIL DETAILS
C-702	CIVIL DETAILS
C-703	CIVIL DETAILS
C-704	CIVIL DETAILS
C-705	CIVIL DETAILS
C-706	CIVIL DETAILS
C-707	CIVIL DETAILS

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ⟐ Navarre, Florida 32566 ⟐ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

PERMITTING COVER SHEET, SHEET INDEX, AND LOCATION MAP

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REVISIONS
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2
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DALE ERIC LONG
LICENSE
No 55393
7/10/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

C-000

R:\MESI\2025\250001-002 Paradise Beach FS\DWG\Sheets\00 Permitting Cover Sheet.dwg, 7/10/2026 10:32:04 AM

GENERAL NOTES:

1. THE OWNER INTENDS THAT THE CONTRACT DOCUMENTS WILL PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT. WHERE LABOR AND MATERIAL MAY BE REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT BUT IS NOT FULLY SPECIFIED, DETAILED, OR SHOWN AS A CONSTRUCTION ITEM, THE CONTRACTOR SHALL PROVIDE THE REQUIRED MATERIAL OR LABOR TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. THIS REQUIREMENT MAY ONLY BE CONSTRUED AS A REQUIREMENT TO COMPLETE OR MAKE FUNCTIONAL CONSTRUCTION ITEMS SHOWN IN OR ON THE CONTRACT DOCUMENTS.
2. PRIOR TO COMMENCING CONSTRUCTION WITHIN THE PROJECT AREA(S), THE CONTRACTOR SHALL VIDEO THE EXISTING CONDITIONS AND AREAS ADJACENT TO THE PROJECT THAT MAY BE IMPACTED BY THE CONSTRUCTION. THE CONTRACTOR SHALL KEEP ONE COPY AND PROVIDE ONE COPY EACH TO THE OWNER AND OWNER'S CONSTRUCTION INSPECTION/ADMINISTRATION REPRESENTATIVE.
3. ALL FINAL CONSTRUCTION AND CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL BUILDING AND/OR CONSTRUCTION CODES, RULES OR REQUIREMENTS AS APPLICABLE.
4. ABOVE GROUND FEATURES SHOWN WHICH MAY AFFECT CONSTRUCTION WERE TAKEN FROM THE BEST AVAILABLE INFORMATION AND FIELD SURVEYS. THE OWNER DOES NOT GUARANTEE THAT ALL PHYSICAL FEATURES OR ABOVE GROUND OBSTRUCTIONS AFFECTING CONSTRUCTION ARE SHOWN. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS/HER BID. THERE SHALL BE NO ADJUSTMENT OF THE CONTRACT PRICE FOR VISIBLE FEATURES AFFECTING CONSTRUCTION.
5. THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT ARE AN INTEGRAL PART OF THE CONSTRUCTION. THE CONTRACTOR SHALL FULLY REVIEW AND FOLLOW ALL REQUIREMENTS OF THESE DOCUMENTS IN THE COMPLETION OF THE WORK. ALL CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE.
6. ALL EXISTING FENCES, STORM DRAINS, PROPERTY CORNERS, SURVEY MONUMENTS, PAVEMENT, ROADS, SIDEWALKS, SIGNS OR ANY OTHER EXISTING OBJECTS OR STRUCTURES WHICH ARE NOT DESIGNATED FOR REMOVAL, BUT ARE DAMAGED OR DESTROYED BY THE CONTRACTOR OR BY ANYONE FOR WHOM THE CONTRACTOR IS RESPONSIBLE ARE TO BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING IN KIND OR REPAIRING TO ORIGINAL CONDITION; MAILBOXES, DRIVEWAY CULVERTS, RETAINING WALLS, LANDSCAPING, ETC. THAT ARE DISTURBED, DAMAGED OR DESTROYED BY CONSTRUCTION ACTIVITIES.
7. THE LEGEND IS TYPICAL FOR ALL SHEETS. SOME ITEMS MAY NOT APPLY TO EACH SHEET.
8. CONTRACTOR SHALL LIMIT CONSTRUCTION ACTIVITIES TO THE LIMITS OF CONSTRUCTION, RIGHT-OF-WAYS AND/OR EASEMENTS SHOWN. CONTRACTOR SHALL BE LIABLE FOR ALL DAMAGE TO AND RESTORATION OF ALL AREAS OUTSIDE OF RIGHT-OF-WAYS AND EASEMENTS, AT HIS EXPENSE.
9. THE FLORIDA DEPARTMENT OF TRANSPORTATION (F.D.O.T.) DOCUMENTS "STANDARD PLANS FOR ROAD CONSTRUCTION" AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ARE CONSIDERED PART OF THE CONTRACT DOCUMENTS OF THIS PROJECT BY REFERENCE. WHERE F.D.O.T. INDICES OR SPECIFICATIONS ARE REFERENCED IN THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE APPROPRIATE F.D.O.T. DOCUMENT(S) UNLESS OTHERWISE INDICATED ON, OR MODIFIED BY, THE CONSTRUCTION PLANS.
10. IN THE EVENT THAT ANY STANDARDS OR SPECIFICATIONS AS DESCRIBED HEREIN OR SHOWN ON THE PLANS, ARE IN CONFLICT WITH EACH OTHER, THE MORE STRINGENT CRITERIA WILL APPLY. CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD IMMEDIATELY AND IN WRITING. SHOULD THE MORE STRINGENT CRITERIA BE UNCLEAR, THE ENGINEER WILL PROVIDE AN INTERPRETATION AND DETERMINE WHICH CRITERIA IS TO BE USED.
11. THESE PLANS WERE BASED ON THE GEOTECHNICAL REPORT BY SOUTHERN EARTH SCIENCES INC., PHONE: (251) 344-7711. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUIRE A COPY OF THE REPORT(S) FROM THE GEOTECHNICAL ENGINEER, FAMILIARIZE THEMSELVES WITH THE CONDITIONS AS DESCRIBED IN THE REPORT(S), AND COMPLY WITH ALL RECOMMENDATIONS MADE IN THE REPORT(S) SPECIFICALLY FOR SOIL PREPARATION ON THE SITE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A COPY OF ALL SUPPLEMENTAL REPORTS FOR THIS PROJECT FROM THE OWNER AND TO FOLLOW THE SUPPLEMENTAL REPORTS' RECOMMENDATIONS.
12. THE OWNER, OWNER'S REPRESENTATIVES, AND INSPECTORS OF APPLICABLE GOVERNMENT AGENCIES HAVING JURISDICTION, SHALL AT ALL TIMES HAVE ACCESS TO THE WORK SITE. THE CONTRACTOR SHALL PROVIDE PROPER FACILITIES FOR SUCH ACCESS AND INSPECTIONS.
13. IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL REASONABLE AND PRUDENT PRECAUTIONS TO ENSURE THAT ALL COMPLETED WORK, MATERIALS AND EQUIPMENT STORED ON SITE ARE SAFE AND SECURE FROM UNAUTHORIZED ACCESS OR USE. SUCH PRECAUTIONS MAY INCLUDE INSTALLATION OF SIGNS, FENCES, OR POSTING OF SECURITY GUARDS.
14. THE CONTRACTOR SHALL COMPLY FULLY WITH ALL PERMIT REQUIREMENTS IMPOSED BY THE REGULATORY AGENCIES.
15. THE ENGINEER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS IN ADVANCE OF ALL TESTING RELATED TO CIVIL WORK.
16. ALL DISCHARGE FROM ANY REQUIRED DEWATERING OPERATIONS SHALL BE RESTRICTED AND MAINTAINED ON SITE. PERCOLATION THROUGH TEMPORARY PONDS OR EVAPORATION ARE THE ONLY ALLOWABLE NON-PERMITTED MEANS OF DISPOSAL OF GROUNDWATER. THE CONTRACTOR AT HIS EXPENSE, MAY PROVIDE TESTING OF GROUNDWATER PER F.D.E.P. GUIDELINES INCLUDING FAC CHAPTER 62-621.300(2). THE CONTRACTOR WILL BE REQUIRED TO OBTAIN A "GENERIC PERMIT FOR THE DISCHARGE OF PRODUCED GROUNDWATER FROM ANY NON-CONTAMINATED SITE ACTIVITY" FROM F.D.E.P. IF REQUIRED AT HIS EXPENSE.
17. NO DEVIATIONS OR REVISIONS FROM THESE PLANS BY THE CONTRACTOR SHALL BE ALLOWED WITHOUT PRIOR APPROVAL FROM THE ENGINEER OF RECORD, ESCAMBIA COUNTY, AND THE OWNER.

GENERAL NOTES (SITE DEVELOPMENT):

1. THE OWNER INTENDS THAT THE CONTRACT DOCUMENTS WILL PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT. WHERE LABOR AND MATERIAL MAY BE REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONAL PROJECT BUT IS NOT FULLY SPECIFIED, DETAILED, OR SHOWN AS A CONSTRUCTION ITEM, THE CONTRACTOR SHALL PROVIDE THE REQUIRED MATERIAL OR LABOR TO MEET THE INTENT OF THE CONTRACT DOCUMENTS. THIS REQUIREMENT MAY ONLY BE CONSTRUED AS A REQUIREMENT TO COMPLETE OR MAKE FUNCTIONAL CONSTRUCTION ITEMS SHOWN IN OR ON THE CONTRACT DOCUMENTS.
2. PRIOR TO COMMENCING CONSTRUCTION WITHIN THE PROJECT AREA(S), THE CONTRACTOR SHALL VIDEO THE EXISTING CONDITIONS AND AREAS ADJACENT TO THE PROJECT THAT MAY BE IMPACTED BY THE CONSTRUCTION. THE CONTRACTOR SHALL KEEP ONE COPY AND PROVIDE ONE COPY EACH TO THE OWNER AND OWNER'S CONSTRUCTION INSPECTION/ADMINISTRATION REPRESENTATIVE.
3. ALL FINAL CONSTRUCTION AND CONSTRUCTION WORK SHALL BE IN COMPLIANCE WITH ALL LOCAL, STATE AND FEDERAL BUILDING AND/OR CONSTRUCTION CODES, RULES OR REQUIREMENTS AS APPLICABLE.
4. ABOVE GROUND FEATURES SHOWN WHICH MAY AFFECT CONSTRUCTION WERE TAKEN FROM THE BEST AVAILABLE INFORMATION AND FIELD SURVEYS. THE OWNER DOES NOT GUARANTEE THAT ALL PHYSICAL FEATURES OR ABOVE GROUND OBSTRUCTIONS AFFECTING CONSTRUCTION ARE SHOWN. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH THE EXISTING CONDITIONS PRIOR TO SUBMITTING HIS/HER BID. THERE SHALL BE NO ADJUSTMENT OF THE CONTRACT PRICE FOR VISIBLE FEATURES AFFECTING CONSTRUCTION.
5. THE CONTRACT DOCUMENTS, SPECIFICATIONS, AND GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT ARE AN INTEGRAL PART OF THE CONSTRUCTION. THE CONTRACTOR SHALL FULLY REVIEW AND FOLLOW ALL REQUIREMENTS OF THESE DOCUMENTS IN THE COMPLETION OF THE WORK. ALL CONSTRUCTION SHALL BE IN STRICT COMPLIANCE WITH THE CONTRACT DOCUMENTS UNLESS OTHERWISE APPROVED IN WRITING BY THE OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE.

PROJECT SAFETY NOTES:

1. THE CONTRACTOR SHALL BE SOLELY LIABLE FOR THE SAFETY OF THE WORK AND ANY AND ALL DAMAGES ARISING FROM THE CONSTRUCTION SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ASSURING THAT THE CONSTRUCTION MATERIALS AND METHODS ARE COMPLIANT WITH ALL APPLICABLE LOCAL, STATE OR FEDERAL SAFETY CODES, RULES, OR REQUIREMENTS.
2. THE CONTRACTOR SHALL COMPLY IN EVERY RESPECT WITH THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 (OSHA) AND ALL RULES AND REGULATIONS NOW OR HEREAFTER IN EFFECT UNDER THIS ACT. THE CONTRACTOR FURTHER AGREES TO COMPLY WITH ANY AND ALL APPLICABLE STATE LAWS AND REGULATIONS PERTAINING TO JOB SAFETY AND HEALTH.
3. THE CONTRACTOR SHALL PROTECT AND KEEP THE OWNER (INCLUDING THEIR AGENTS, CONSULTANTS, AND EMPLOYEES) FREE AND HARMLESS FROM ANY AND ALL LIABILITY, PUBLIC OR PRIVATE, PENALTIES, CONTRACTUAL OR OTHERWISE, LOSSES, DAMAGES, COSTS, ATTORNEY'S FEES, EXPENSES, CAUSES OF ACTION, ETC. RESULTING FROM THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970 AS AMENDED.

HAZARDOUS MATERIALS NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH LOCAL STATE AND FEDERAL REGULATIONS REGARDING TESTING FOR AND DISPOSAL OF HAZARDOUS MATERIALS DURING DEMOLITION.
2. HAZARDOUS MATERIAL MEANS ANY SUBSTANCE: (A) THE PRESENCE OF WHICH REQUIRES INVESTIGATION OR REMEDIATION UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, ORDINANCE, RULE, CODE, ACTION, POLICY OR COMMON LAW, OR (B) WHICH IS OR BECOMES DEFINED AS A "HAZARDOUS WASTE", "HAZARDOUS SUBSTANCE" POLLUTANT OR CONTAMINANT UNDER ANY PRESENT FEDERAL, STATE OR LOCAL STATUTE, REGULATION, RULE OR ORDINANCE OR AMENDMENTS THERETO INCLUDING, WITHOUT LIMITATION, THE COMPREHENSIVE ENVIRONMENTAL RESPONSE COMPENSATION AND LIABILITY ACT (42 USC SECTIONS 9601 ET SEQ.) AND/OR THE RESOURCE CONSERVATION AND RECOVERY ACT (42 USC SECTIONS 6901 ET SEQ.), OR (C) WHICH IS TOXIC, EXPLOSIVE, CORROSIVE, FLAMMABLE, INFECTIOUS, RADIOACTIVE, CARCINOGENIC, MUTAGENIC, OR OTHERWISE HAZARDOUS AND IS REGULATED BY ANY GOVERNMENTAL AUTHORITY, AGENCY, DEPARTMENT, COMMISSION, BOARD, AGENCY OR INSTRUMENTALITY OF THE UNITED STATES, THE STATE IN WHICH THE PREMISES ARE LOCATED OR ANY POLITICAL SUBDIVISION THEREOF, OR (D) THE PRESENCE OF WHICH ON THE PREMISES CAUSES OR THREATENS TO CAUSE A NUISANCE UPON THE PREMISES OR TO ADJACENT PROPERTIES OR POSES OR THREATENS TO POSE A HAZARD TO THE HEALTH OR SAFETY OF PERSONS ON OR ABOUT THE PREMISES, OR (E) WHICH CONTAINS GASOLINE, DIESEL FUEL, OR OTHER PETROLEUM HYDROCARBONS, OR (F) WHICH CONTAINS POLYCHLORINATED BIPHENYL (PCB'S), ASBESTOS, LEAD OR UREA FORMALDEHYDE FOAM INSULATION.
3. CONTRACTOR AND ITS SUBCONTRACTORS SHALL USE, HANDLE, TEST TRANSPORT, AND DISPOSE OF ALL HAZARDOUS MATERIALS (AS DEFINED HEREIN) IN COMPLIANCE WITH ALL CURRENT FEDERAL, STATE AND LOCAL ENVIRONMENTAL, HEALTH OR SAFETY LAW, INCLUDING, BUT NOT LIMITED TO, ALL SUCH STATUTES, REGULATIONS, RULES, ORDINANCES, CODES, AND RULES OF COMMON LAW.
4. CONTRACTOR FURTHER AGREES THAT CONTRACTOR AND ITS SUBCONTRACTORS SHALL NOT CAUSE THE DISCHARGE, RELEASE, OR DISPOSAL OF ANY HAZARDOUS MATERIAL CREATED BY ITS WORK ON OR ABOUT THE JOB SITE. IN THE EVENT OF ANY SPILL, RELEASE, OR ANY OTHER REPORTABLE OCCURRENCE, CONTRACTOR SHALL NOTIFY THE APPROPRIATE GOVERNMENTAL AGENCY AND SHALL TAKE SUCH ACTION AS MAY BE NECESSARY TO MINIMIZE THE DELETERIOUS EFFECT OF SUCH A SPILL ON PERSONS OR PROPERTY.

FDOT NOTES:

1. ALL WORK IN THE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH THE CURRENT EDITION OF THE FDOT STANDARD PLANS FOR ROADWAY CONSTRUCTION, FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION, FLORIDA DESIGN MANUAL, FLORIDA GREENBOOK, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ALL LANES MUST BE OPENED TO TRAFFIC WITHIN 12 HOURS AFTER RECEIVING NOTIFICATION OF A HURRICANE EVACUATION OR ANY OTHER CATASTROPHIC EVENT AND SHALL REMAIN OPEN FOR THE DURATION OF THE EVACUATION OR EVENT AS DIRECTED BY THE PERMITS MANAGER.
3. CONTRACTOR SHALL SCHEDULE AND HAVE AN ON-SITE PRE-WORK MEETING WITH REPRESENTATIVES FROM THE ENGINEERING FIRM, FDOT, QUALITY CONTROL TESTING LABORATORY, PRIME CONTRACTOR, AND ANY OTHER INTERESTED PARTY PRESENT.
4. PAVING CONTRACTOR SHALL SCHEDULE A PRE-PAVING MEETING WITH FDOT. PROPOSED ASPHALT MIX DESIGNS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO OR AT THE PRE-PAVING MEETING.
5. CONTRACTOR MUST SUBMIT A QUALITY CONTROL PLAN FOR FDOT REVIEW AND APPROVAL BEFORE OR AT THE REQUIRED PRE-WORK MEETING. QUALITY CONTROL TESTING SHALL BE PERFORMED BY FDOT CERTIFIED TECHNICIANS AND TESTING LABORATORY. ALL TEST RESULTS SHALL BE PROVIDED TO FDOT AS SOON AS PRACTICAL.
6. SOD AREAS WITHIN 32" OF EDGE OF PAVEMENT & SLOPES GREATER THAN 1:3. OTHER DISTURBED AREAS MAY BE REPAIRED BY SEEDING OR HYDRO-SEEDING. SEE FDOT STANDARD PLANS INDEX 570-010 AND SECTION 570 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION.
7. ALL STRIPING WITHIN FDOT RIGHT OF WAY SHALL BE THERMOPLASTIC AND ADHERE TO FDOT STANDARD PLANS INDEX 711-001 AND SECTION 711 OF THE FDOT STANDARD SPECIFICATIONS FOR ROAD & BRIDGE CONSTRUCTION". STANDARD SPEC 711-4.1 STATES; "WAIT AT LEAST 14 DAYS AFTER CONSTRUCTING THE FINAL ASPHALT SURFACE COURSE TO PLACE THERMOPLASTIC PAVEMENT MARKINGS. INSTALLATION OF THERMOPLASTIC ON CONCRETE REQUIRES A CLEAN, DRY SURFACE. FOLLOW THE MANUFACTURER'S RECOMMENDATIONS FOR SURFACE PREPARATION FOR THERMOPLASTIC ON CONCRETE. PROVIDE TEMPORARY PAVEMENT MARKINGS DURING THE INTERIM PERIOD PRIOR TO OPENING THE ROAD.
8. APPLY OR RECAP STANDARD THERMOPLASTIC PAVEMENT MARKINGS FOR LONGITUDINAL LINES TO ATTAIN A MINIMUM THICKNESS OF 0.10 INCH OR 100 MILS AND A MAXIMUM THICKNESS 0.15 INCH OR 150 MILS WHEN MEASURED ABOVE THE PAVEMENT SURFACE. MARKINGS OTHER THAN LONGITUDINAL LINES, WHEREVER LOCATED, WILL HAVE A THICKNESS OF 0.09 INCH OR 90 MILS TO 0.12 INCH OR 120 MILS WHEN MEASURED ABOVE THE PAVEMENT SURFACE.
9. ALL LANE AND SHOULDER CLOSURES MUST BE REQUESTED IN WRITING AND APPROVED A MINIMUM OF 48 HOURS PRIOR TO WORK STARTING. ALLOW UP TO 2 WEEKS FOR LANE CLOSURE APPROVAL PROCESS. CONTACT LOCAL PERMIT OFFICE FOR MORE DETAILS AT 850-836-5790 OR 850-836-5742.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PLACE SIDE-DRAIN PIPES AT PROPER ELEVATIONS TO MATCH THE FLOWLINE OF THE DRAINAGE DITCH (NOT SEDIMENT BUILD-UP) TO ENSURE POSITIVE STORMWATER FLOW.
11. NO TREES LOCATED WIHTIN THE FDOT RIGHT-OF-WAY SHALL BE REMOVED WITHOUT PRIOR FDOT APPROVAL. IF TREE REMOVAL IS REQUIRED, THE CONTRACTOR SHALL PROVIDE THE DEPARTMENT WITH A REASON FOR REMOVAL. THE CONTRACTOR SHALL ALSO PROVIDE A TREE SURVEY BY A CERTIFIED FLORIDA ARBORIST TO VERIFY THE TREE DBH, SPECIES, AND CONDITION.

RECORD DRAWING NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR WILL OBTAIN A COPY OF THE MINIMUM REQUIREMENTS FOR AS-BUILT RECORD DRAWING ACCEPTANCE FOR THE AGENCY HAVING JURISDICTION (AHJ) SUCH AS A COUNTY OR CITY, AND/OR A UTILITY SERVICE PROVIDER. THE CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THESE REQUIREMENTS AND PRODUCE AS-BUILT RECORD DRAWINGS THAT SUBSTANTIALLY COMPLY WITH OR EXCEED THESE REQUIREMENTS.
2. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER OF RECORD REDLINE DRAWINGS DEPICTING THE AS-BUILT CONDITION AT LEAST TWO (2) WEEKS PRIOR TO REQUESTING A FINAL INSPECTION OF THE WORK TO BE CERTIFIED.
3. THE CONTRACTOR SHALL MAINTAIN RECORD DRAWINGS DURING CONSTRUCTION WHICH SHOW THE AS-BUILT CONDITIONS OF ALL WORK INCLUDING PIPING, FITTINGS, DRAINAGE STRUCTURES, POND TOPOGRAPHY, OUTLET STRUCTURE DIMENSIONS, GRADING, ELEVATIONS, ETC. RECORD DRAWINGS SHALL BE PROVIDED TO THE ENGINEER OF RECORD PRIOR TO REQUESTING A FINAL INSPECTION.
4. THE CONTRACTOR SHALL KEEP A DAILY SET OF AS-BUILT DRAWINGS WHILE THE WORK IS BEING DONE AND IS VISIBLE AND EXPOSED ACCORDING TO THE CRITERIA CONTAINED HEREIN.
5. THE OWNER RESERVES THE RIGHT TO REQUIRE THAT THE CONTRACTOR UNCOVER, RE-TEST, AND/OR PERFORM ANY ACTION NECESSARY TO ENSURE THAT THE IMPROVEMENTS HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.
6. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING SUFFICIENT AS-BUILT INFORMATION TO CONVEY THAT THE CONSTRUCTION HAS BEEN COMPLETED WITHIN ACCEPTABLE TOLERANCES. AS-BUILT INFORMATION SHALL INCLUDE BUT IS NOT LIMITED TO THE FOLLOWING:

A. SANITARY SEWER:
   1) TOP ELEVATION OF ALL MANHOLE FRAME AND COVERS.
   2) INVERT OF EACH LINE ENTERING AND EXITING EACH MANHOLE STRUCTURE.
   3) LENGTH OF EACH RUN OF MAIN BETWEEN MANHOLES (MEASURED FROM CENTER TO CENTER OF MANHOLE)
   4) PIPE SLOPE (GRADE) BETWEEN MANHOLES.
   5) LOCATE ALL SERVICE WYES FROM THE DOWNSTREAM MANHOLE. PROVIDE A LATERAL DEPTH AT THE LOT LINE AS WELL AS AN OFFSET DISTANCE FROM THE MAIN.
   6) LOCATE WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUTS, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.

B. STORM DRAINAGE:
   1) TOP ELEVATION OF EACH STRUCTURE FRAME AND COVER AS WELL AS THE TOP ELEVATION OF ALL HEADWALLS, CONTROL STRUCTURES, ETC.
   2) INVERT OF EACH LINE ENTERING AND EXITING EACH STRUCTURE.
   3) INVERTS OF ALL PIPE OUTFALLS.
   4) PIPE SLOPE (GRADE) BETWEEN STRUCTURES.
   5) LENGTH OF RUN OF MAIN BETWEEN STORMWATER STRUCTURES (MEASURED FROM CENTER TO CENTER OF STRUCTURE)
   6) PROVIDE DIMENSIONS AND INVERTS FOR ALL UNDERDRAINS INCLUDING FITTINGS AND CLEANOUTS.
   7) POND TOPOGRAPHY:
      i. CROSS-SECTIONS
      ii. SAND CHIMNEY DIMENSIONS
      iii. OVERFLOW STRUCTURE INFORMATION
   8) LOCATE WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUT, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.

C. PRESSURE MAINS (WATER AND SEWER):
   1) ACTUAL LENGTH OF PIPE BETWEEN EACH BRANCH OR VALVE IN RUN.
   2) LOCATE ALL FITTINGS WITH MEASUREMENTS (MINIMUM TWO-POINT TIES) FROM PERMANENT VISIBLE OBJECTS ALL FITTINGS, STUB-OUT, ACCESSORIES, ETC. NOT VISIBLE FROM THE SURFACE.
   3) LIST THE DEPTH OF LINES AT ALL VALVES, FITTINGS, AND FIRE HYDRANTS.
   4) DIMENSIONS WHICH CLEARLY DEMONSTRATE COMPLIANCE WITH MINIMUM SEPARATION DISTANCES OR REQUIRED PIPE UPGRADES (ENCASEMENT).

D. LIFT STATIONS:
   1) TOP & SUMP ELEVATION OF WET WELL AND VALVE BOX.
   2) INVERT OF ALL PIPES ENTERING WET WELL AS WELL AS FORCEMAIN PIPES EXITING.
   3) FLOAT ELEVATIONS. (IF APPLICABLE)
   4) YARD PIPING INFORMATION. (SEE PRESSURE MAINS ABOVE)

E. OTHER IMPROVEMENTS:
   1) LOCATE BUILDINGS, SIDEWALKS, PAVEMENT, CURB AND GUTTER, ETC. AS APPLICABLE.

EXISTING LEGEND:

N - NORTH
S - SOUTH
E - EAST
W - WEST
P.O.C. - POINT OF COMMENCEMENT
P.O.B. - POINT OF BEGINNING
R/W - RIGHT-OF-WAY
O.R. BOOK - OFFICIAL RECORD BOOK
(B.B.) - BEARING BASE
B.S.L. - BUILDING SETBACK LINE
(F) - FIELD
(D) - DEED
C.M.P. - CORRUGATED METAL PIPE
C.P.P. - CORRUGATED PLASTIC PIPE
PVC - POLY VINYL CHLORIDE
VCP - VITRIFIED CLAY PIPE
CI - CAST IRON
FFE - FINISHED FLOOR ELEVATION
TBM - TEMPORARY BENCHMARK
NAVD88 - NORTH AMERICAN VERTICAL DATUM OF 1988

- POWER POLE
- LIGHT POLE
- ELECTRICAL JUNCTION BOX
- TELEPHONE JUNCTION BOX
- TELEPHONE PEDESTAL
- SANITARY SEWER VALVE
- WATER METER
- GAS METER
- WATER VALVE
- FIRE HYDRANT
- SIGN
- SPRINKLER HEAD
- SHRUBS OR LANDSCAPING
- MAIL BOX
- EXISTING TREE (MAGNOLIA)
- EXISTING TREE (OAK)
- FOC MARKER
- BOLLARDS
- FLAG POLE
- ANTENNA
- BACKFLOW PREVENTER
- CONCRETE
- ASPHALT
- WETLAND AREA
- 'WATER' AREA
- WETLAND BUFFER
- SPOT ELEVATION
- R/W LINE
- ADJACENT PROPERTY LINE
- SECTION LINE
- SUBJECT PARCEL
- WOODS LINE
- WATER LINE (SIZE AND MATERIAL)
- SANITARY SEWER LINE (SIZE AND MATERIAL)
- GAS LINE (SIZE AND MATERIAL)
- OVERHEAD UTILITY LINE
- CONTOUR LINE
- WETLAND LINE
- FLOOD ZONE LINE AND LABEL
- BUFFER LINE AND AREA

PROPOSED LEGEND

- WATER METER
- BACKFLOW PREVENTER
- VALVE
- FIRE HYDRANT
- POST INDICATOR VALVE (PIV)
- FIRE DEPARTMENT CONNECTION (FDC)
- CLEANOUT
- DS - DOWNSPOUT
- WOOD PRIVACY FENCE
- ASPHALT
- CONCRETE
- STORM INLET
- STORM MANHOLE
- IRRIGATION PUMP
- MITERED END SECTION
- EXISTING TREE TO BE REMOVED
- EXISTING TREE TO BE PROTECTED

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

GENERAL NOTES AND LEGEND

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www.fdaniell.com

REVISIONS
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DALE ERIC LOND
LICENSE
No 55393
7/10/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

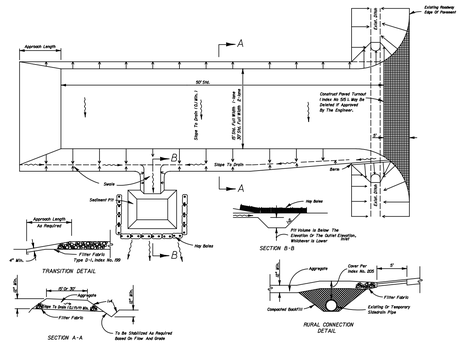
JOB #: 250001-002
DATE: 7/10/2026

C-001

01 of 20

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ○ Navarre, Florida 32566 ○ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30889

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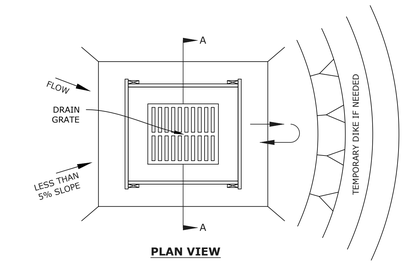


GENERAL NOTES:

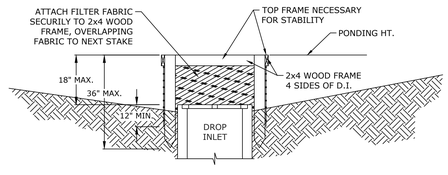
1. A SOIL TRACKING PREVENTION DEVICE (STPD) SHALL BE CONSTRUCTED AT APPROPRIATE LOCATIONS FOR POINTS OF EGRESS FROM UNSTABILIZED AREAS OF THE PROJECT TO PUBLIC ROADS WHERE OFFSITE TRACKING OF MUD COULD OCCUR. TRAFFIC FROM UNSTABILIZED AREAS OF THE CONSTRUCTION PROJECT SHALL BE DIRECTED THRU A STPD. BARRIERS, FLAGGING, OR OTHER POSITIVE MEANS SHALL BE USED AS REQUIRED TO LIMIT AND DIRECT VEHICULAR EGRESS ACROSS THE STPD.
2. ALL MATERIALS SPILLED, DROPPED, OR TRACKED ONTO PUBLIC ROADS (INCLUDING THE STPD AGGREGATE AND CONSTRUCTION MUD) SHALL BE REMOVED DAILY, OR MORE FREQUENTLY IF SO DIRECTED BY THE ENGINEER.
3. AGGREGATES SHALL BE AS DESCRIBED IN SECTION 901 OF THE F.D.O.T. STANDARD SPECIFICATIONS EXCLUDING 901-2.3. AGGREGATES SHALL BE F.D.O.T. SIZE #1. IF THIS SIZE IS NOT AVAILABLE, THE NEXT AVAILABLE SMALLER SIZE AGGREGATE MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER. SIZES CONTAINING EXCESSIVE SMALL AGGREGATE WILL TRACK OFF THE PROJECT AND ARE UNSUITABLE.
4. THE SEDIMENT PIT SHOULD PROVIDE A RETENTION VOLUME OF 3600 CUBIC FEETACRE OF SURFACE AREA DRAINING TO THE PIT. WHEN THE STPD IS ISOLATED FROM OTHER DRAINAGE AREAS, THE FOLLOWING PIT VOLUMES WILL SATISFY THIS REQUIREMENT:
   15'x 50'=100 FT² 30'x 50'=200 FT²
   AS AN OPTION TO THE SEDIMENT PIT, THE WIDTH OF THE SWALE BOTTOM CAN BE INCREASED TO OBTAIN THE VOLUME. WHEN THE SEDIMENT PIT OR SWALE IS USED, HAY BALES OR SILT FENCE SHALL BE PLACED ALONG THE ENTIRE LENGTH.
5. THE SWALE DITCH DRAINING THE STPD SHALL HAVE A 0.2% MINIMUM AND A 1.0% MAXIMUM GRADE ALONG THE STPD AND TO THE SEDIMENT PIT.
6. MITRED END SECTIONS ARE NOT REQUIRED WHEN THE SIDEDRAIN PIPE SATISFIES THE CLEAR ZONE REQUIREMENTS.
7. THE STPD SHALL BE MAINTAINED IN A CONDITION THAT WILL ALLOW IT TO PERFORM AS INTENDED AT ALL TIMES (INCLUDING NIGHTTIME). THE STPD SHALL BE PERIODICALLY TOPDRESSED (DAILY WHEN IN USE) TO MOVE ACCUMULATED MUD FROM VEHICLES TO THE STONE. ADDITIONAL STABILIZATION OF THE VEHICULAR ROUTE LEADING TO THE STPD MAY BE REQUIRED TO LIMIT THE MUD TRACKED.
8. THE NOMINAL SIZE OF A STANDARD STPD IS 15'x 50' UNLESS OTHERWISE SHOWN IN THE PLANS. IF THE VOLUME OF ENTERING AND EXITING VEHICLES WARRANT, A 30' WIDTH STPD MAY BE USED IF APPROVED BY THE ENGINEER.

SOIL TRACKING PREVENTION DEVICE
(CONSTRUCTION EXIT)

NOT TO SCALE



PLAN VIEW



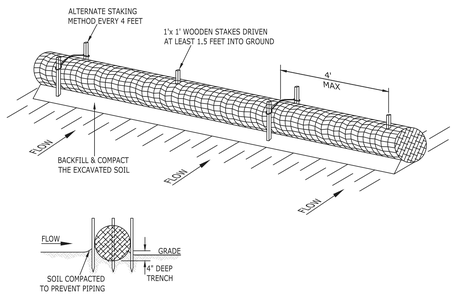
SECTION A-A

NOTES:

1. DROP INLET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS. (LESS THAN 5%)
2. USE 2x4 WOOD OR EQUIVALENT METAL STAKES, (3 FT. MIN. LENGTH)
3. INSTALL 2x4 WOOD TOP FRAME TO INSURE STABILITY.
4. THE TOP OF THE FRAME (PONDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BY-PASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.
5. FILTER FABRIC SHALL BE PLACED AND MAINTAINED UNDER THE GRATE.

SILT FENCE DROP INLET
SEDIMENT BARRIER DETAIL

NOT TO SCALE

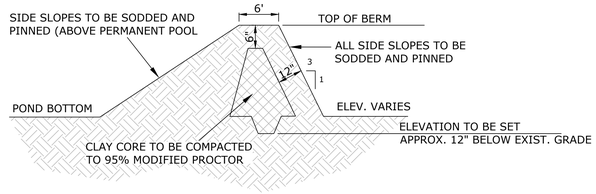


TYPICAL FIBER ROLL/WATTLE SEDIMENT BARRIER

SCALE: N.T.S.

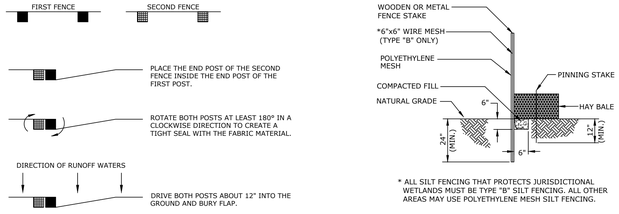
NOTES:

1. SMOOTH OUT THE SLOPE BEFORE INSTALLING WATTLES. SHALLOW GULLIES OR RILLS SHOULD BE FILLED.
2. USE A LASER LEVEL OR A HAND-HELD SIGHT LEVEL WITH MARKING PAINT OR PIN FLAGS TO LAYOUT THE WATTLE LOCATION ON CONTOUR.
3. DIG A SMALL TRENCH 4 INCHES DEEP ACROSS THE SLOPE ON CONTOUR TO PLACE ROLL IN.
4. LAY THE ROLL ALONG THE TRENCHES FITTING IT SNUGLY AGAINST THE SOIL. MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE WATTLE.
5. SECURE THE WATTLE IN THE TRENCH USING WOOD STAKES IN THE MANNER SHOWN ABOVE, OR USE STEEL WATTLE PINS WITH LARGE WASHERS.
6. INSTALL STAKES OR PINS AT 4 FEET MAX. INTERVALS.
7. PLACE AND COMPACT THE SOIL FROM THE TRENCH UPHILL OF THE WATTLE TO SEAL THE WATTLE BOTTOM AND PREVENT WATER FROM WASHING UNDERNEATH THE WATTLE.
8. WHEN MORE THAN ONE WATTLE IS PLACED IN A ROW, THE ROLLS SHOULD OVERLAP, ONE IN FRONT OF THE OTHER, BY AT LEAST 1 FOOT AND STAKED SECURELY TO PREVENT PIPING. SEAL THE JOINT WITH SOIL TO KEEP WATER BEHIND THE WATTLE. THE LAST 18 INCHES OF THE LINE OF WATTLES SHOULD BE TURNED UPHILL TO HOLD THE WATER IN PLACE.
9. APPLY 3 TO 4 INCHES OF RICE STRAW, WOOD CHIPS, OR COMPOST TO PROTECT THE SOIL IN THE AREA FROM EROSION.
10. IF INSTALLED CORRECTLY, STRAW WATTLES OR FIBER ROLLS CAN DETAIN WATER O THE UPHILL SIDE, ALLOWING FINE SEDIMENT TO SETTLE AND WATER TO PASS THROUGH THE WATTLE. IF THEY ARE INSTALLED INCORRECTLY, WATTLES CAN CAUSE EROSION.
11. WATTLES MUST BE INSTALLED LEVEL, ON CONTOUR, PERPENDICULAR TO THE FLOW OF WATER. IF THEY ARE NOT INSTALLED LEVEL, THEY CAN ACT AS A CHANNEL FOR WATER, CONCENTRATING IT AND CAUSING EROSION.
12. WATTLES MUST BE INSPECTED AFTER EACH RAIN EVENT TO ENSURE THEY ARE FUNCTIONING AS INTENDED. ANY SEDIMENT CAPTURED BEHIND THE WATTLE MUST BE REMOVED PRIOR TO THE NEXT RAIN.
13. WATTLES ARE USED TO CAPTURE SEDIMENT THAT HAS ALREADY ERODED. THEY SHOULD BE USED IN CONJUNCTION WITH EROSION CONTROL METHODS, SUCH AS RICE STRAW OR WOOD CHIPS SPREAD OUT TO PROTECT THE SOIL FROM EROSION.
14. WATTLES SHOULD BE INSTALLED APPROXIMATELY EVERY FIVE VERTICAL FEET AND ONLY ON SHORT, GENTLE SLOPES.



CLAY BERM DETAIL

NOT TO SCALE



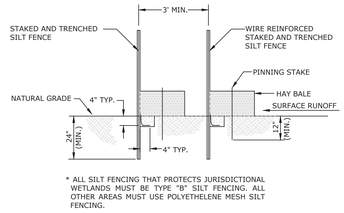
BUTTING SILT FENCE DETAIL

NOT TO SCALE

* ALL SILT FENCING THAT PROTECTS JURISDICTIONAL WETLANDS MUST BE TYPE "B" SILT FENCING. ALL OTHER AREAS MAY USE POLYETHYLENE MESH SILT FENCING.

SILT FENCE DETAIL

NOT TO SCALE



SYNTHETIC BALE BARRIER CONSTRUCTION

BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER. ALL BALES SHALL BE SECURELY ANCHORED BY AT LEAST TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. CONTRACTOR SHALL WEDGE OR CHINK LOOSE STRAW BETWEEN BALES. INSPECTION SHALL BE FREQUENT AND REPAIR OR REPLACEMENT SHALL BE MADE AS PROMPTLY AS NEEDED. SYNTHETIC BALE BARRIERS SHALL BE REMOVED AFTER THEY HAVE SERVED THEIR USEFULNESS, BUT NOT BEFORE THE UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED. SYNTHETIC BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

SYNTHETIC HAY BALE DETAIL

NOT TO SCALE

* ALL SILT FENCING THAT PROTECTS JURISDICTIONAL WETLANDS MUST BE TYPE "B" SILT FENCING. ALL OTHER AREAS MUST USE POLYETHELENE MESH SILT FENCING.

DOUBLE ROW STAKED SILT FENCE DETAIL

NOT TO SCALE

EROSION AND SEDIMENT CONTROL NOTES:

1. FOR ALL PROJECTS WHICH DISTURB MORE THAN ONE ACRE OF AREA, THE CONTRACTOR IS WHOLLY RESPONSIBLE FOR PREPARING, SUBMITTING, AND ACQUIRING THE FDEP/NPDES PERMIT, INCLUDING THE REQUIRED STORMWATER POLLUTION PREVENTION PLAN (SWPPP). THE CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT TO FDEP NO LESS THAN 48 HOURS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ENSURING THAT THE PROJECT COMPLIES WITH THE PERMIT CONDITIONS (INCLUDING THE REQUIRED NPDES INSPECTIONS AND DOCUMENTATION) AND APPLICABLE LOCAL, STATE, AND FEDERAL WATER QUALITY STANDARDS DURING CONSTRUCTION. THE CONSTRUCTION DOCUMENTS CONTAIN ONLY THE MINIMUM REQUIREMENTS FOR EROSION AND SEDIMENT CONTROL. ANY AND ALL COSTS ASSOCIATED WITH OBTAINING THE NPDES PERMIT OR COMPLYING WITH THE PERMIT REQUIREMENTS SHALL BE BORNE BY THE CONTRACTOR.
2. WHEN REQUIRED, THE CONTRACTOR SHALL DEVELOP AND IMPLEMENT A SWPPP ACCORDING TO EPA/FDEP CRITERIA TO MINIMIZE EROSION AND ENSURE PROPER FUNCTIONING OF THE STORMWATER MANAGEMENT SYSTEM UPON COMPLETION OF CONSTRUCTION. IN ADDITION TO MEETING EPA/FDEP NPDES CRITERIA, THE SWPPP SHALL BE SUBMITTED TO AND COMPLY WITH ANY REQUIREMENTS OF THE LOCAL AGENCY HAVING JURISDICTION. A COPY OF THE APPROVED STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE KEPT ON SITE AT ALL TIMES FOR REVIEW AS MAY BE REQUIRED.
3. THE CONTRACTOR SHALL COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND ALL REGULATIONS CONTROLLING POLLUTION OF THE ENVIRONMENT.
4. CONTRACTOR SHALL EXECUTE ALL MEASURES AND IMPLEMENT ALL BEST MANAGEMENT PRACTICES NECESSARY TO LIMIT THE TRANSPORTATION OF SEDIMENTS OUTSIDE THE LIMITS OF THE PROJECT. THE EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION AND MUST REMAIN IN SATISFACTORY OPERATION UNTIL THE PROJECT IS FULLY COMPLETED AND ACCEPTED AND UNTIL THE PERMANENT EROSION CONTROL MEASURES ARE ESTABLISHED AND CAPABLE OF PROVIDING EROSION AND SILTATION CONTROL. CONTRACTOR SHALL PROVIDE ROUTINE MAINTENANCE ON TEMPORARY EROSION CONTROL MEASURES AT HIS EXPENSE. CONTRACTOR SHALL CONTINUALLY MONITOR WEATHER AND SITE CONDITIONS AND SHALL PROVIDE CONTINUOUS MONITORING OF EROSION AND SEDIMENT CONTROLS AND SHALL DOCUMENT ALL CORRECTIVE MEASURES.
5. INLETS AND CATCH BASINS SHALL BE PROTECTED FROM SEDIMENTATION RESULTING FROM SURFACE RUNOFF UNTIL COMPLETION OF ALL CONSTRUCTION OPERATIONS THAT MAY CAUSE SEDIMENT TO RUN OFF. FILTER FABRIC SHALL BE PLACED AND MAINTAINED UNDER THE GRATE AND FILTER SOCKS SHALL BE PLACED IN FRONT OF THE THROAT OF CURB INLETS DURING CONSTRUCTION AND SHALL BE MAINTAINED FOR THE DURATION OF THE PROJECT CONSTRUCTION.
6. ALL DISTURBED AREAS WHICH ARE NOT PAVED SHALL BE SEEDED, FERTILIZED AND MULCHED, HYDROSEEDED, OR SODDED AS REQUIRED, UNLESS NOTED OTHERWISE. SOD PINS SHALL BE USED FOR ALL SOD PLACED ON SLOPES STEEPER THAN 3:1. AREAS OF ESTABLISHED SOD OR GROUND COVER SHALL BE REPLACED IN KIND TO MATCH THE EXISTING CONDITIONS PRIOR TO CONSTRUCTION COMMENCEMENT.
7. PERMANENT GRASSING SHALL BE INSTALLED AND MAINTAINED ON ALL EXPOSED SLOPES AND DISTURBED AREAS WITHIN 48 HOURS OF COMPLETING FINAL GRADING, AND AT ANY OTHER TIME AS NECESSARY, TO PREVENT EROSION, SEDIMENTATION, OR TURBID DISCHARGES. A VEGETATIVE COVER THAT STABILIZES AND PREVENTS EROSION SHALL BE ESTABLISHED WITHIN 60 DAYS OF PERMANENT GRASSING INSTALLATION. UPON ESTABLISHMENT OF A SUBSTANTIAL VEGETATIVE COVER, ALL TURBIDITY BARRIERS AND EROSION CONTROL MEASURES SHALL BE REMOVED.
8. ALL EROSION AND SEDIMENT CONTROLS SHALL BE CONSISTENT WITH PERFORMANCE STANDARDS FOR EROSION AND SEDIMENT CONTROL AND STORMWATER TREATMENT SET FORTH IN SECTION 62-40.432, OF THE FLORIDA ADMINISTRATIVE CODE, AS WELL AS THE APPLICABLE STORMWATER OR ENVIRONMENTAL RESOURCE PERMITTING REQUIREMENTS OF FDEP, THE APPLICABLE WATER MANAGEMENT DISTRICT, THE US ENVIRONMENTAL PROTECTION AGENCY AND THE GUIDELINES CONTAINED IN THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL (LATEST VERSION).
9. TEMPORARY SEDIMENT CONTROL MEASURES INCLUDE, BUT ARE NOT LIMITED TO: SILT FENCING; CONSTRUCTION OF SEDIMENT CHECK DAMS; CONSTRUCTION EXITS, FLOATING TURBIDITY CURTAINS, FILTER SOCKS; SEEDING AND MULCHING, ETC. PERMANENT SEDIMENT CONTROL MEASURES INCLUDE BUT ARE NOT LIMITED TO: PERMANENT GRASSING; EROSION BLANKETS; RIP RAP, ETC. MINIMUM STABILIZATION MEASURES ARE DETAILED ON THE CONSTRUCTION PLANS. THE CONTRACTOR SHALL INCLUDE ANY AND ALL MEASURES NECESSARY TO STABILIZE THE SITE, CONTROL EROSION, AND PREVENT SEDIMENT FROM ESCAPING THE SITE. THE CONTROL OF EROSION ON THE SITE COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.
10. CONSTRUCTION OPERATIONS SHALL BE SCHEDULED AND PERFORMED SO THAT PREVENTATIVE EROSION CONTROL MEASURES ARE IN PLACE PRIOR TO EXCAVATION. TEMPORARY STABILIZATION MEASURES SHALL BE IN PLACE IMMEDIATELY FOLLOWING CLEARING, BACKFILLING AND/OR GRADING OPERATIONS.
11. SPECIAL PRECAUTIONS WILL BE TAKEN IN THE USE OF CONSTRUCTION EQUIPMENT TO PREVENT SITUATIONS THAT PROMOTE EROSION.
12. CLEANUP WILL BE DONE IN A MANNER TO INSURE THAT EROSION CONTROL MEASURES ARE NOT DISTURBED.
13. THE PROJECT WILL BE CONTINUALLY INSPECTED FOR SOIL EROSION AND SEDIMENT CONTROL COMPLIANCE. DEFICIENCIES WILL BE CORRECTED BY THE CONTRACTOR WITHIN 24 HOURS.
14. TEMPORARY EROSION CONTROL MEASURES SHALL BE COMPLETELY REMOVED BY THE CONTRACTOR UPON ESTABLISHMENT OF PERMANENT CONTROL MEASURES OR WHEN DIRECTED BY THE OWNER.
15. THE CONTRACTOR SHALL RESTORE ALL DISTURBED RIGHTS-OF-WAY IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, OR THE REQUIREMENTS OF THE LOCAL AGENCY HAVING JURISDICTION (AHJ).
16. THE CONTRACTOR SHALL COMPLETE SITE RESTORATION AS THE PROJECT PROGRESSES.
17. THE OWNER SHALL SEND A COPY OF THE FDEP/NPDES NOTICE OF INTENT TO THE LOCAL BUILDING DEPARTMENT UPON RECEIPT, AS APPLICABLE.
18. THE CONTRACTOR SHALL INSTALL PRIOR TO THE START OF CONSTRUCTION AND MAINTAIN DURING CONSTRUCTION ALL SEDIMENT CONTROL MEASURES AS REQUIRED TO RETAIN ALL SEDIMENTS ON SITE. IMPROPER SEDIMENT CONTROL MEASURES MAY RESULT IN A CODE ENFORCEMENT VIOLATION.
19. THE CONTRACTOR IS RESPONSIBLE FOR PREVENTING TRACKING OF SOIL FROM THE SITE ONTO ADJACENT ROADWAYS. IN ADDITION TO THE INSTALLATION OF A CONSTRUCTION EXIT THE CONTRACTOR WILL BE RESPONSIBLE FOR SWEEPING ROADWAYS AS REQUIRED.
20. CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO CONTROL TURBIDITY IN SURROUNDING WATERS INCLUDING, BUT NOT LIMITED TO, THE INSTALLATION OF TURBIDITY BARRIERS AT ALL LOCATIONS WHERE THE POSSIBILITY OF TRANSFERRING SUSPENDED SOLIDS INTO THE RECEIVING BODY OF WATER EXISTS DUE TO THE PROPOSED WORK. TURBIDITY BARRIERS MUST BE MAINTAINED AT ALL LOCATIONS UNTIL CONSTRUCTION IS COMPLETED AND DISTURBED SOIL AREAS ARE STABILIZED. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR REMOVING THE BARRIERS AND ANY ACCUMULATED SILT AT THE COMPLETION OF CONSTRUCTION AND PERMANENT STABILIZATION. AT NO TIME SHALL THERE BE ANY OFF-SITE DISCHARGE WHICH VIOLATES THE WATER QUALITY STANDARDS OF THE FLORIDA ADMINISTRATIVE CODE.
21. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF DUST AND OTHER AIRBORNE POLLUTANTS DURING CONSTRUCTION. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS AT THE CONTRACTOR'S DISCRETION.
22. AT ALL TIMES DURING AND AFTER DEVELOPMENT, CLEARED AREAS SHALL BE STABILIZED. FINAL STABILIZATION MEASURES SHALL BE IN PLACE WITHIN FOURTEEN (14) DAYS OF FINAL GRADING.
23. ALL CONTROL MEASURES SHALL COMPLY WITH THE MANAGEMENT PRACTICES CONTAINED IN THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION'S "EROSION & SEDIMENT CONTROL DESIGNER AND REVIEWER'S MANUAL" LATEST EDITION.
24. ANY SEDIMENT OR DEBRIS THAT LEAVES THE DEVELOPMENT SITE SHALL BE PROPERLY RECOVERED BY THE BUILDING PERMIT HOLDER.
25. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MANAGE ALL SEDIMENT AND EROSION CONTROL MEASURES AS REQUIRED BY REGULATORY AGENCIES.
26. NO CLEARING, GRADING, EXCAVATING, FILLING, OR OTHER DISTURBANCE OF THE NATURAL TERRAIN SHALL OCCUR UNTIL EROSION AND SEDIMENTATION CONTROL MEASURES HAVE BEEN INSTALLED, EXCEPT THOSE OPERATIONS NEEDED TO IMPLEMENT THESE MEASURES.

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

EROSION AND SEDIMENT CONTROL NOTES & DETAILS

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REVISIONS

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DALE ERIC LONG LICENSE No 85393 7/10/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

C-002

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ○ Navarre, Florida 32566 ○ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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PARADISE BEACH FIRE STATION (#14)
POLLUTION PREVENTION PLAN

This document is a summary of the complete pollution prevention plan indicated on and an integral part of the construction plans, specifications, and contract documents. Detailed requirements are indicated on the construction plans for the Paradise Beach Fire Station.

SITE DESCRIPTION

Project Name: Paradise Beach Fire Station (#14)

Owner Name: Escambia County Facilities Management

Location: Latitude 30°23'19.70"N Longitude 87°24'05.95"W

Owner Address: 100 E. Blount Street, Pensacola, FL 32502

Project Address: 1250 Bauer Road, Pensacola, FL 32506

Project Contact: Mr. David M. Cordingly

Description: This project will consist of development of a new fire station with a 12,545 SF facility, along with new supporting infrastructure.

Runoff Coefficient: 0.76

Total Site Area: 3.64 acres **Total Area Disturbed**: 2.54 acres

Existing Soil Data: See Geotechnical Report.

Receiving MS4: Escambia County

Lat/Long of Discharge Points:

Discharge Point Ref.	Latitude	Longitude	Contributing D.A. (AC)
South Stormwater Pond	30°23'02.31"N	87°24'02.31"W	2.54

SEQUENCE OF MAJOR CONSTRUCTION ACTIVITIES

- Contractor will mobilize and install silt fence, construction entrance at driveway locations, and other erosion & sediment control measures, as needed, in each area where work is being performed.
- Site clearing will be completed.
- Stormwater ponds will be constructed to serve as a sediment ponds during construction.
- New fire station and access driveways will be constructed.
- Parking areas will be paved, and sidewalks and curbs will be poured.
- Stormwater ponds and drainage infrastructure will be completed.
- Final Site stabilization and landscaping will be installed.

Upon completion of all soil disturbing activities and following the establishment of grassing and permanent erosion controls in each area, all temporary erosion control measures will be removed.

TIMING OF EROSION AND SEDIMENT CONTROL MEASURES

The silt fencing, construction exit, and other temporary sediment control measures implemented will be installed prior to clearing of any portions of the site in which work is being performed. Areas where construction activities are completed, or temporarily cease for more than 21 days, will be stabilized with a temporary seed and mulch within 14 days of the last disturbance. After the entire site is stabilized, any accumulated sediment will be removed, as necessary.

EROSION AND SEDIMENT CONTROLS

All controls shall be consistent with performance standards for erosion and sediment control and stormwater treatment set forth in section 62-40.432, Florida Administrative Code, the applicable Stormwater or Environmental Resource Permitting requirements of FDEP and/or the Water Management District, The US Environmental Protection Agency, and the guidelines contained in the Florida Erosion and Sediment Control designer and Reviewer Manual (Latest Edition).

Stabilization Practices
Temporary sediment control measures may include, but are not limited to silt fencing, hay bale barriers, straw waddles, construction entrances, sediment check dams, inlet protection, and temporary seeding. Permanent sediment control measures include but are not limited to seeding and mulching, hydroseeding, or sodding. While some stabilization practices are detailed on the construction plans, the Contractor shall include any and all measures necessary to prevent sediment from escaping the site and to comply with all applicable FDEP standards.

Structural Practices
Stormwater runoff shall continue to be directed to existing or newly constructed stormwater conveyance systems and best management practices shall be implemented as needed to ensure that no sediment escapes the site.

Stormwater Management
Stormwater runoff will be directed towards the ponds via overland flow and piping. Due to the relatively high groundwater table, the ponds have been designed to recover via a wet detention system. In the event the pond capacity is exceeded, overflow is directed toward the existing lake/canal south of the property.

Other Control Measures
Waste Materials: All waste materials will be collected and stored in secured metal dumpsters to be provided by a solid waste management company licensed in Escambia County. The dumpsters will meet all county, and State of Florida solid waste management regulations. All trash and construction debris from the site will be deposited in the dumpsters. Dumpsters will be emptied as required to prevent overflow. No construction waste materials will be buried or burned onsite. All personnel will be instructed regarding the correct procedure for waste disposal. Notices stating these practices will be posted in the construction office trailer, job board or at another easily accessible location.

Hazardous Waste: All hazardous waste materials will be disposed of as specified by EPA, Escambia County, State of Florida regulations, or by the manufacturer. The Contractor will be responsible for ensuring that these practices are followed and that site personnel receive the needed instruction and training.

Offsite Vehicle Tracking: The paved streets adjacent to the site will be swept as required to remove any excess mud, dirt, or rock tracked from the site. Dump trucks hauling material from or to the construction site will be covered with a tarpaulin.

MAINTENANCE AND INSPECTION PROCEDURES

- All control measures will be inspected at least once each week, at least 24 hours following any rainfall event, and within 8 hours following any storm event of 0.5 inches or greater.
- All measures will be maintained in good working order; if repair is necessary, it will be initiated within 24 hours of being reported.
- Built up sediment will be removed from silt fence when it has reached one third the height of the fence.
- Silt fence will be inspected for depth of sediment, tears, to see if the fabric is securely attached to the fence posts, and to see that the fence posts are firmly in the ground.
- Earthen swales and berms will be inspected, and any damage or breeches will be promptly repaired.
- Temporary and permanent seeding will be inspected for bare spots, washouts, and healthy growth.
- A maintenance inspection report will be made after each inspection.
- The site superintendent will select individuals who will be responsible for inspections, maintenance, and repair activities, and filling out maintenance inspection reports.
- Personnel selected for inspection and maintenance responsibilities will be qualified accordingly and will be trained in all the inspection and maintenance practices necessary for keeping the erosion and sediment controls used onsite in good working order.
- All non-stormwater discharges from sources such as flushing, pavement or vehicle washdown, dewatering, or any other source will be directed to a temporary sediment basin prior to discharge.

INVENTORY FOR POLLUTION PROTECTION PLAN

The materials or substances below are expected to be onsite during construction.

- PVC Pipe
- Sand & Topsoil
- Cleaning solvents
- Limerock/Graded Aggregate
- Silt Fencing
- Haybales and Hay Mulch
- Sodding and Grassing
- Asphalt
- Petroleum based products
- DI Pipe, Valves and Fittings
- Gravel
- Wood
- Sand Clay Backfill Material
- HDPE, Metal, PVC, or Concrete Storm Pipe
- Concrete
- Applicable Building Products

MATERIAL MANAGEMENT AND SPILL CONTROL PRACTICES

The following are spill control practices which will be used to properly cleanup and reduce the risk of spills or other accidental exposure of materials or substances to stormwater runoff.

- An effort will be made to store only enough product and material onsite as required to do the job.
- All materials stored onsite will be stored in a neat and orderly manner in their appropriate containers, and if possible, under a roof or within an enclosure.
- Products will be kept in their original containers with the original manufacturer's label.
- Substances will not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product will be used before disposing of a container.
- Manufacturer's recommendations for proper use and disposal will be followed.
- The site superintendent will inspect the job daily to ensure proper use and disposal of materials.
- Original labels and material safety data will be retained for all hazardous products.
- If surplus hazardous products must be disposed of, manufacturer's or local and state recommended methods for proper disposal will be followed.
- All paint containers will be tightly sealed and stored when not in use.
- Excess paint will be disposed of per the manufacturer's recommendations and applicable regulations.
- All onsite vehicles will be monitored for leaks and receive regular preventative maintenance.
- Petroleum products will be stored in tightly sealed clearly labeled containers.
- Any asphalt substances used onsite will be applied according to the manufacturer's recommendations.
- Fertilizers will be applied only in the minimum amounts recommended by the manufacturer. Once applied, fertilizer will be worked into the soil to limit exposure to storm water. The contents of any partially used bags of fertilizer shall be transferred to a sealable container.
- Concrete trucks will not be allowed to wash out or discharge surplus concrete or drum wash except in designated temporary areas bermed, or otherwise protected from runoff.
- Manufacturer's recommended methods for spill cleanup will be clearly posted, and site personnel will be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area onsite. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, cat litter, sand, sawdust, and plastic and metal containers specifically for this use.
- Any spills will be cleaned up immediately after discovery.
- Any spill areas will be kept well ventilated, and personnel will wear appropriate protective clothing & gear.
- All spills of toxic or hazardous substances will be reported to the appropriate state and/or local authority.
- The spill prevention plan will be adjusted to prevent reoccurrence of spills or contamination.
- The site superintendent responsible for the day-to-day site operations, will be the spill prevention and cleanup coordinator. He will designate at least three other site personnel who will receive spill prevention and cleanup training.
- Notice of any spill will be made promptly in accordance with any local, state, or federal requirements.

CERTIFICATION OF COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS

The Stormwater Pollution Prevention Plan reflects Florida Department of Environmental Protection Agency requirements for storm water management and erosion and sediment control. To ensure compliance, this plan was prepared according to the manual "Storm Water Management for Construction Activities" - publication number EPA 832-R-92-005 as published by the US Environmental Protection Agency.

POLLUTION PREVENTION PLAN CERTIFICATION

"I certify under penalty of law that this document and all attachments were prepared under my direction, or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signed: _____

By: _____

Date: _____

CONTRACTORS CERTIFICATION

"I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder."

Signature	For	Responsible For

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

STORMWATER POLLUTION PREVENTION PLAN

FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
8007 American Way
Daphne, AL 36526
251.625.6490 wk.
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www.fdaniell.com

REVISIONS

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DALE ERIC LONG LICENSE No 55393 7/10/2026 STATE OF FLORIDA PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

C-003

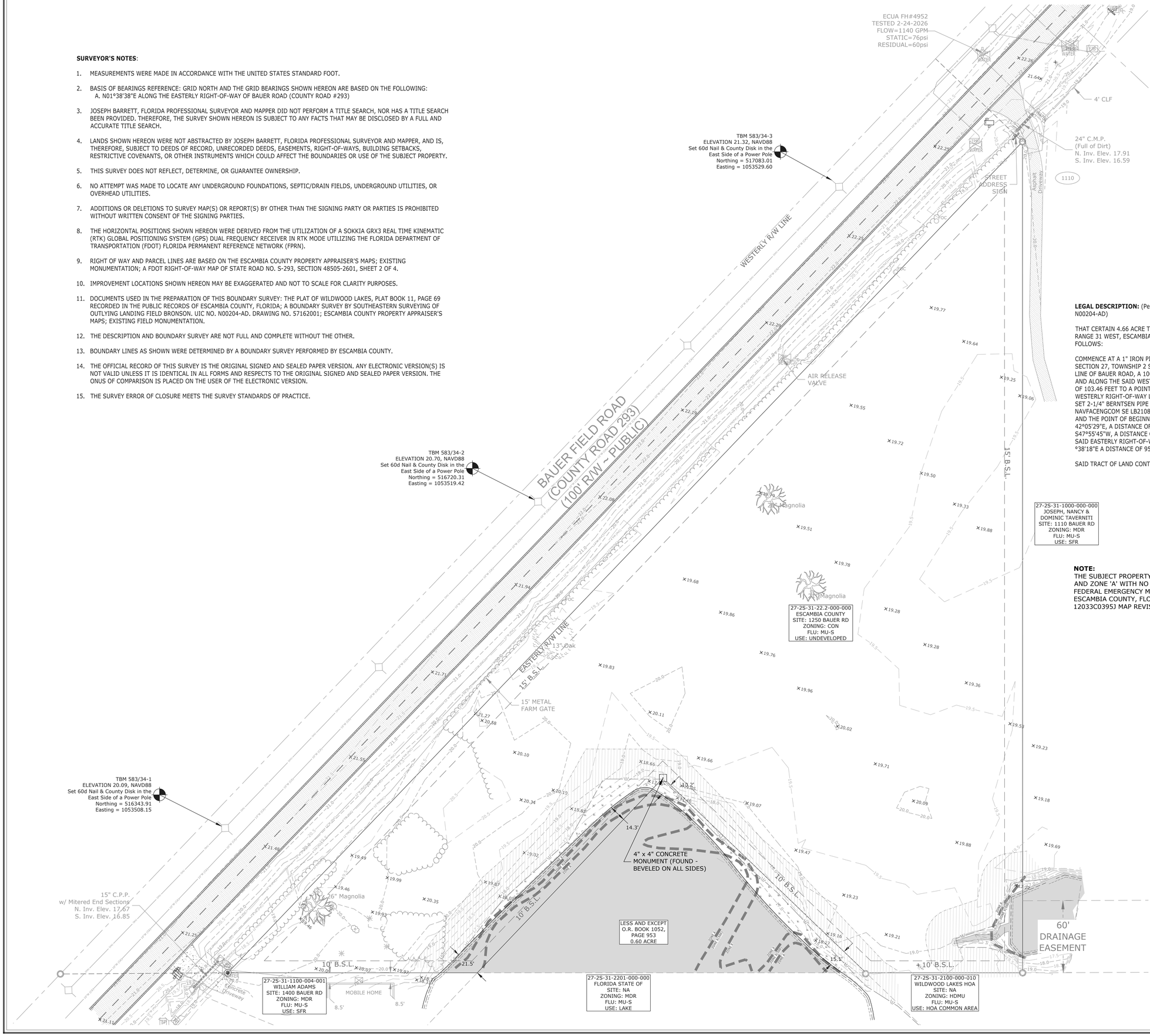
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MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◇ Navarre, Florida 32566 ◇ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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SURVEYOR'S NOTES:

1. MEASUREMENTS WERE MADE IN ACCORDANCE WITH THE UNITED STATES STANDARD FOOT.
2. BASIS OF BEARINGS REFERENCE: GRID NORTH AND THE GRID BEARINGS SHOWN HEREON ARE BASED ON THE FOLLOWING:
   A. N01°38'38"E ALONG THE EASTERLY RIGHT-OF-WAY OF BAUER ROAD (COUNTY ROAD #293)
3. JOSEPH BARRETT, FLORIDA PROFESSIONAL SURVEYOR AND MAPPER DID NOT PERFORM A TITLE SEARCH, NOR HAS A TITLE SEARCH BEEN PROVIDED. THEREFORE, THE SURVEY SHOWN HEREON IS SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.
4. LANDS SHOWN HEREON WERE NOT ABSTRACTED BY JOSEPH BARRETT, FLORIDA PROFESSIONAL SURVEYOR AND MAPPER, AND IS, THEREFORE, SUBJECT TO DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHT-OF-WAYS, BUILDING SETBACKS, RESTRICTIVE COVENANTS, OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OR USE OF THE SUBJECT PROPERTY.
5. THIS SURVEY DOES NOT REFLECT, DETERMINE, OR GUARANTEE OWNERSHIP.
6. NO ATTEMPT WAS MADE TO LOCATE ANY UNDERGROUND FOUNDATIONS, SEPTIC/DRAIN FIELDS, UNDERGROUND UTILITIES, OR OVERHEAD UTILITIES.
7. ADDITIONS OR DELETIONS TO SURVEY MAP(S) OR REPORT(S) BY OTHER THAN THE SIGNING PARTY OR PARTIES IS PROHIBITED WITHOUT WRITTEN CONSENT OF THE SIGNING PARTIES.
8. THE HORIZONTAL POSITIONS SHOWN HEREON WERE DERIVED FROM THE UTILIZATION OF A SOKKIA GRX3 REAL TIME KINEMATIC (RTK) GLOBAL POSITIONING SYSTEM (GPS) DUAL FREQUENCY RECEIVER IN RTK MODE UTILIZING THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) FLORIDA PERMANENT REFERENCE NETWORK (FPRN).
9. RIGHT OF WAY AND PARCEL LINES ARE BASED ON THE ESCAMBIA COUNTY PROPERTY APPRAISER'S MAPS; EXISTING MONUMENTATION; A FDOT RIGHT-OF-WAY MAP OF STATE ROAD NO. S-293, SECTION 48505-2601, SHEET 2 OF 4.
10. IMPROVEMENT LOCATIONS SHOWN HEREON MAY BE EXAGGERATED AND NOT TO SCALE FOR CLARITY PURPOSES.
11. DOCUMENTS USED IN THE PREPARATION OF THIS BOUNDARY SURVEY: THE PLAT OF WILDWOOD LAKES, PLAT BOOK 11, PAGE 69 RECORDED IN THE PUBLIC RECORDS OF ESCAMBIA COUNTY, FLORIDA; A BOUNDARY SURVEY BY SOUTHEASTERN SURVEYING OF OUTLYING LANDING FIELD BRONSON. UIC NO. N00204-AD. DRAWING NO. 57162001; ESCAMBIA COUNTY PROPERTY APPRAISER'S MAPS; EXISTING FIELD MONUMENTATION.
12. THE DESCRIPTION AND BOUNDARY SURVEY ARE NOT FULL AND COMPLETE WITHOUT THE OTHER.
13. BOUNDARY LINES AS SHOWN WERE DETERMINED BY A BOUNDARY SURVEY PERFORMED BY ESCAMBIA COUNTY.
14. THE OFFICIAL RECORD OF THIS SURVEY IS THE ORIGINAL SIGNED AND SEALED PAPER VERSION. ANY ELECTRONIC VERSION(S) IS NOT VALID UNLESS IT IS IDENTICAL IN ALL FORMS AND RESPECTS TO THE ORIGINAL SIGNED AND SEALED PAPER VERSION. THE ONUS OF COMPARISON IS PLACED ON THE USER OF THE ELECTRONIC VERSION.
15. THE SURVEY ERROR OF CLOSURE MEETS THE SURVEY STANDARDS OF PRACTICE.



LEGAL DESCRIPTION: (Per NAVFAC SE Boundary Survey of Outlying Landing Field Bronson, UIC NO. N00204-AD)

THAT CERTAIN 4.66 ACRE TRACT OF LAND LYING AND BEING IN SECTION 27, TOWNSHIP 2 SOUTH, RANGE 31 WEST, ESCAMBIA COUNTY, FLORIDA AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A 1" IRON PIPE WITH NO IDENTIFICATION MARKING THE NORTHWEST CORNER OF SAID SECTION 27, TOWNSHIP 2 SOUTH, RANGE 31 WEST AND LYING ON THE WESTERLY RIGHT-OF-WAY LINE OF BAUER ROAD, A 100 FOOT RIGHT OF WAY; THENCE ALONG THE WEST LINE OF SECTION 27 AND ALONG THE SAID WESTERLY RIGHT-OF-WAY LINE OF BAUER ROAD, S 1 ° 38' 18" W, A DISTANCE OF 103.46 FEET TO A POINT; THENCE DEPARTING SAID WEST LINE OF SECTION 27 AND SAID WESTERLY RIGHT-OF-WAY LINE OF BAUER ROAD, S 88° 21 42 E, A DISTANCE OF 100.00 FEET TO A SET 2-1/4" BERNTSEN PIPE WITH A 3-1/4" BRASS DISK STAMPED "DEPT OF NAVY BOUNDARY NAVFACENGCOM SE LB2108 2014" SET ON THE EASTERLY RIGHT-OF-WAY LINE OF SAID BAUER ROAD AND THE POINT OF BEGINNING; THENCE DEPARTING SAID EASTERLY RIGHT-OF-WAY LINE, S 42°05'29"E, A DISTANCE OF 692.07 FEET TO A 1" IRON PIPE WITH NO IDENTIFICATION; THENCE S47°55'45"W, A DISTANCE OF 661.83 FEET TO A 1" IRON PIPE AND CAP STAMPED "LB 1282" ON THE SAID EASTERLY RIGHT-OF-WAY LINE; THENCE ALONG SAID EASTERLY RIGHT-OF-WAY LINE N01 °38'18"E A DISTANCE OF 957.42 FEET TO THE POINT OF BEGINNING.

SAID TRACT OF LAND CONTAINS 229,017 SQUARE FEET OR 5.26 ACRES MORE OR LESS.

NOTE:
THE SUBJECT PROPERTY AS SHOWN HEREON IS LOCATED IN FLOOD ZONE 'X' AND ZONE 'A' WITH NO BASE FLOOD ELEVATION AS DETERMINED FROM THE FEDERAL EMERGENCY MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP OF ESCAMBIA COUNTY, FLORIDA, COMMUNITY 120080, FIRM MAP PANEL NUMBER 12033C0395J MAP REVISION DATED AUGUST 19, 2025.

GRAPHIC SCALE:
30 15 0 30 60 90
SCALE IN FEET SCALE: 1" = 30'

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

EXISTING CONDITIONS

FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
8007 American Way
Daphne, AL 36526
251.625.6490 wk.
251.625.6494 fx.
www.fdaniell.com

REVISIONS
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DALE ERIC LONG
LICENSE
No 55393
7/10/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

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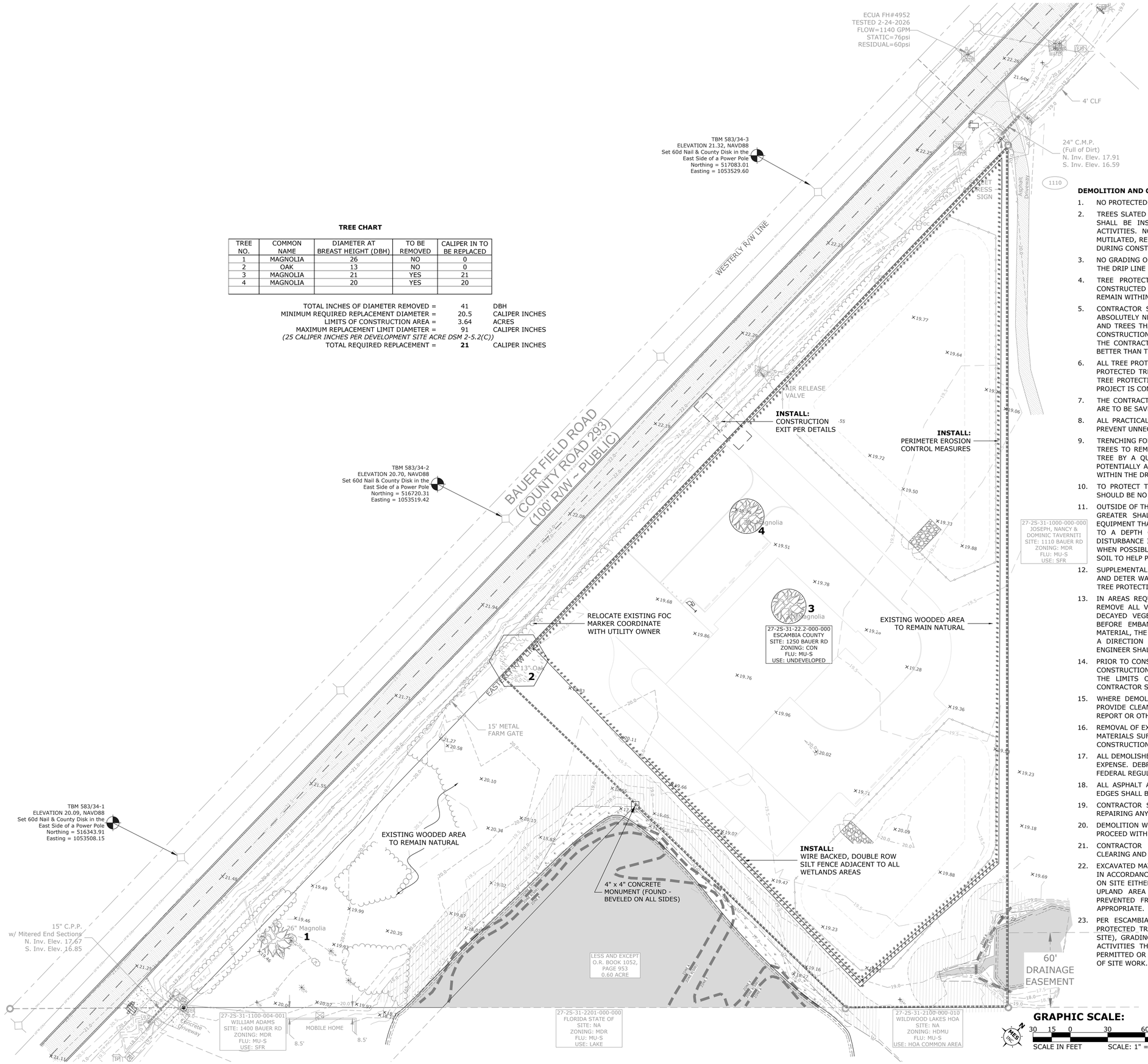
MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◇ Navarre, Florida 32566 ◇ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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TREE CHART

TREE NO.	COMMON NAME	DIAMETER AT BREAST HEIGHT (DBH)	TO BE REMOVED	CALIPER IN TO BE REPLACED
1	MAGNOLIA	26	NO	0
2	OAK	13	NO	0
3	MAGNOLIA	21	YES	21
4	MAGNOLIA	20	YES	20

TOTAL INCHES OF DIAMETER REMOVED =	41	DBH
MINIMUM REQUIRED REPLACEMENT DIAMETER =	20.5	CALIPER INCHES
LIMITS OF CONSTRUCTION AREA =	3.64	ACRES
MAXIMUM REPLACEMENT LIMIT DIAMETER =	91	CALIPER INCHES
(25 CALIPER INCHES PER DEVELOPMENT SITE ACRE DSM 2-5.2(C))		
TOTAL REQUIRED REPLACEMENT =	**21**	CALIPER INCHES



DEMOLITION AND CLEARING NOTES:

1. NO PROTECTED TREES WILL BE REMOVED AS PART OF THIS PROJECT.
2. TREES SLATED FOR PROTECTION SHALL BE MARKED AND TREE PROTECTION BARRICADES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY LAND DISTURBING ACTIVITIES. NO PROTECTED TREES SHALL BE REMOVED, DESTRUCTIVELY DAMAGED, MUTILATED, RELOCATED, DISFIGURED, DESTROYED, CUT DOWN OR EXCESSIVELY PRUNED DURING CONSTRUCTION ACTIVITIES.
3. NO GRADING OR CLEARING BY, OR STORAGE OF HEAVY EQUIPMENT SHALL OCCUR WITHIN THE DRIP LINE OF PROTECTED TREES OR WITHIN ENVIRONMENTALLY SENSITIVE AREAS.
4. TREE PROTECTION BARRICADES OR EQUIVALENT PROTECTIVE MEASURES WILL BE CONSTRUCTED ACCORDING TO THE LOCAL JURISDICTION'S CRITERIA FOR TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION.
5. CONTRACTOR SHALL TAKE EXTREME CARE TO REMOVE ONLY TREES AND VEGETATION ABSOLUTELY NECESSARY FOR THE CONSTRUCTION OF THIS WORK. LANDSCAPE SHRUBS AND TREES THAT ARE REMOVED AS PART OF THIS WORK, SHALL BE REPLANTED AFTER CONSTRUCTION, IF POSSIBLE. IF LANDSCAPE SHRUBS OR TREES CANNOT BE REPLANTED, THE CONTRACTOR SHALL PROVIDE NEW LANDSCAPE SHRUBS OR TREES EQUAL TO OR BETTER THAN THOSE REMOVED IN SIZE AND NATURE.
6. ALL TREE PROTECTION MEASURES AND BARRICADES SHALL BE INSTALLED AROUND EACH PROTECTED TREE SHOWN TO REMAIN ON SITE AND PRIOR TO ANY SITE DISTURBANCE. TREE PROTECTION MEASURES SHALL BE MAINTAINED IN GOOD WORKING ORDER UNTIL PROJECT IS COMPLETE AND THE SITE IS STABILIZED.
7. THE CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES THAT ARE TO BE SAVED, WHETHER SHOWN ON THE PLANS OR DESIGNATED IN THE FIELD
8. ALL PRACTICAL AND NECESSARY EFFORT SHALL BE TAKEN DURING CONSTRUCTION TO PREVENT UNNECESSARY TREE REMOVAL.
9. TRENCHING FOR PROPOSED UTILITY IMPROVEMENTS WITHIN THE DRIP LINE OF SPECIMEN TREES TO REMAIN, WILL REQUIRE THE ADVANCED PRE-TREATMENT OF EACH IMPACTED TREE BY A QUALIFIED ARBORIST OR THE LANDSCAPE ARCHITECT TO MINIMIZE THE POTENTIALLY ADVERSE IMPACTS OF CONSTRUCTION. HAND DIGGING MAY BE REQUIRED WITHIN THE DRIP LINE OF PROTECTED TREES.
10. TO PROTECT TREES STABILIZING ROOTS, TRENCHING OR ANY TOPSOIL DISTURBANCE SHOULD BE NO CLOSER THAN 10 FEET FROM TRUNK OF THE TREE THAT IS TO REMAIN.
11. OUTSIDE OF THE STRUCTURAL ROOT PLATE, PROTECTED TREE ROOTS OF 2" DIAMETER OR GREATER SHALL BE CUT CLEANLY WITH APPROPRIATE EQUIPMENT. DO NOT USE EQUIPMENT THAT PULLS AND SHATTER ROOTS. (E.G. BACKHOE). ROOTS SHALL BE PRUNED TO A DEPTH OF 18 INCHES BELOW THE EXISTING GRADE OR TO THE DEPTH OF DISTURBANCE IF LESS THAN 18" FROM THE EXISTING GRADE. CUT TO A LATERAL ROOT WHEN POSSIBLE. EXPOSED ROOTS SHOULD BE COVERED WITH A LAYER OF MULCH OR SOIL TO HELP PREVENT STRESS FROM WATER LOSS.
12. SUPPLEMENTAL IRRIGATION MAY BE SUPPLIED TO TREES TO COMPENSATE FOR ROOT LOSS AND DETER WATER STRESS. IRRIGATION SHOULD WET/SATURATE THE SOIL WITHIN THE TREE PROTECTION ZONE.
13. IN AREAS REQUIRING FILL MATERIAL, THE CONTRACTOR SHALL STRIP OR OTHERWISE REMOVE ALL VEGETATION SUCH AS BRUSH, HEAVY SOD, HEAVY GROWTH OF GRASS, DECAYED VEGETATION MATTER, RUBBISH AND ANY OTHER DELETERIOUS MATERIAL BEFORE EMBANKMENT IS PLACED. IMMEDIATELY PRIOR TO THE PLACING OF FILL MATERIAL, THE ENTIRE AREA UPON WHICH FILL IS TO BE PLACED, SHALL BE SCARIFIED IN A DIRECTION APPROXIMATELY PARALLEL TO THE AXIS OF FILL. THE GEOTECHNICAL ENGINEER SHALL APPROVE THE AREA PRIOR TO THE PLACEMENT OF FILL.
14. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CLEARLY DESIGNATE THE LIMITS OF CONSTRUCTION ON-SITE. THE CONTRACTOR SHALL NOT PERFORM ANY WORK OUTSIDE THE LIMITS OF CONSTRUCTION. IN AREAS WHERE NO WORK IS PROPOSED THE CONTRACTOR SHALL PROTECT THE TOPOGRAPHY, THE SOIL, AND THE VEGETATION.
15. WHERE DEMOLITION REQUIREMENTS LEAVE OPEN TRENCHES, PITS OR OTHER VOIDS, PROVIDE CLEAN FILL AND COMPACTION PER THE SPECIFICATIONS, THE GEOTECHNICAL REPORT OR OTHER REQUIREMENTS.
16. REMOVAL OF EXISTING PAVED SURFACES INCLUDES REMOVAL OF EXISTING BASE OR SOIL MATERIALS SUFFICIENTLY TO CONSTRUCT THE NEW SURFACE IN ACCORDANCE WITH THE CONSTRUCTION PLANS.
17. ALL DEMOLISHED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. DEBRIS SHALL BE DISPOSED OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.
18. ALL ASPHALT AND CONCRETE SHALL BE SAW CUT AT EDGES TO REMAIN. REMAINING EDGES SHALL BE PROTECTED AT THE CONTRACTOR'S EXPENSE.
19. CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS WHILE REMOVING OR REPAIRING ANY EXISTING STORM DRAINS OR SWALES.
20. DEMOLITION WORK SHALL BE COORDINATED WITH EACH PHASE OF THE WORK. DO NOT PROCEED WITH ANY DEMOLITION UNTIL SPECIFICALLY AUTHORIZED BY OWNER.
21. CONTRACTOR SHALL ROUGH IN STORMWATER POND(S) IMMEDIATELY FOLLOWING CLEARING AND PRIOR TO ANY OTHER CONSTRUCTION ACTIVITIES.
22. EXCAVATED MATERIALS (SPOILS) SHALL BE DISPOSED OF AS REQUIRED IN UPLAND AREAS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS. IF SPOILS ARE TO BE STORED ON SITE EITHER TEMPORARILY OR PERMANENTLY, THE STORAGE LOCATION SHALL BE AN UPLAND AREA APPROVED BY THE OWNER AND ENGINEER. THE SPOILS SHALL BE PREVENTED FROM ERODING WITH THE USE OF SILT FENCING AND GRASSING AS APPROPRIATE.
23. PER ESCAMBIA COUNTY'S LAND DEVELOPMENT CODE, ALL PROPOSED REMOVAL OF PROTECTED TREES, LAND CLEARING, FILLING (OR PLACEMENT OF FILL MATERIALS ON SITE), GRADING, EXCAVATING, BERMING, CUTTING, OR ANY OTHER LAND DISTURBING ACTIVITIES THAT MAY ALTER LAND TOPOGRAPHY OR VEGETATION COVER SHALL BE PERMITTED OR OTHERWISE APPROVED IN WRITING BY THE COUNTY PRIOR TO INITIATION OF SITE WORK.

GRAPHIC SCALE:

30 15 0 30 60 90

SCALE IN FEET SCALE: 1" = 30'

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DEMOLITION AND EROSION CONTROL PLAN

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REVISIONS

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DALE ERIC LONG
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JOB #: 250001-002
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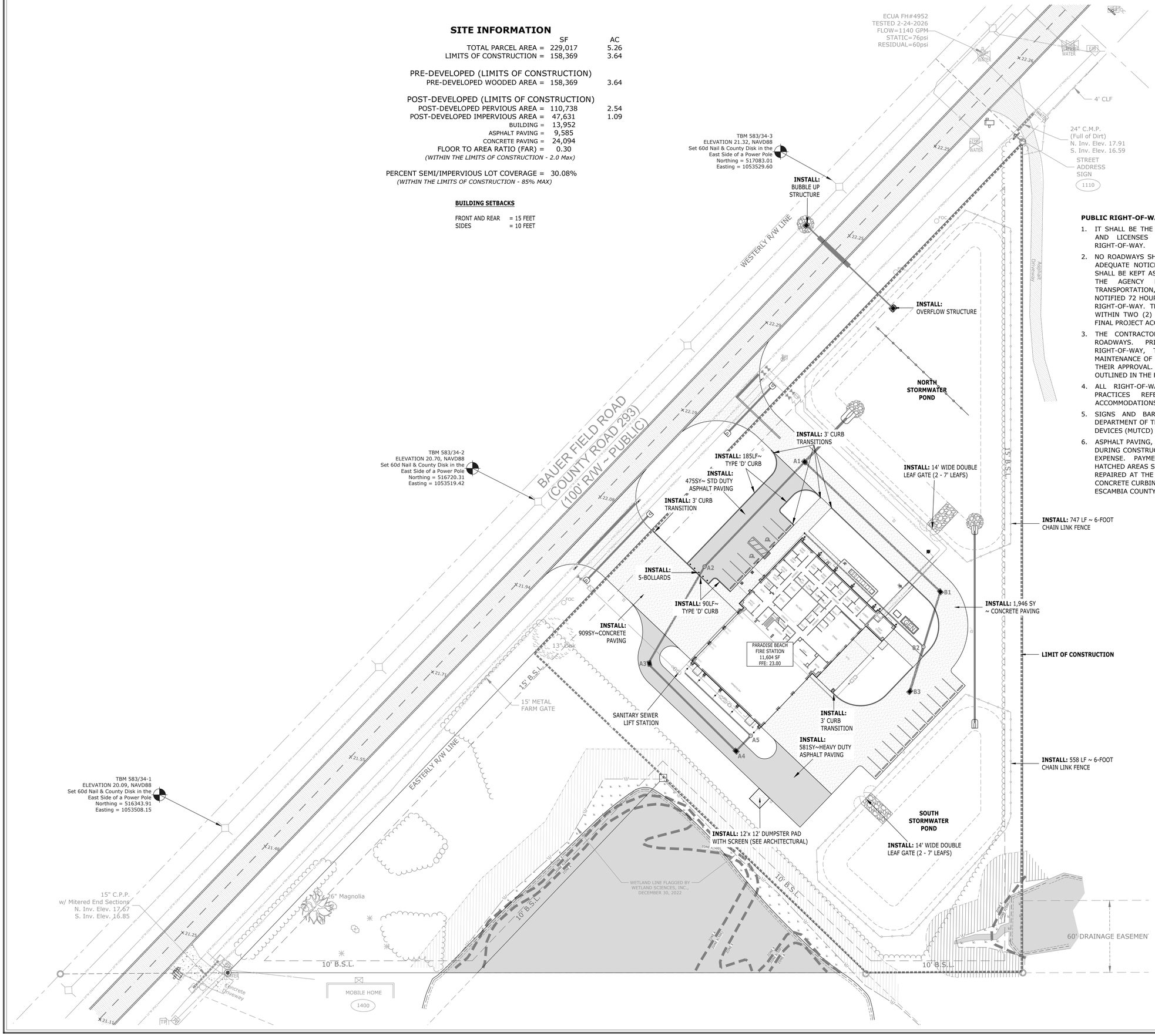
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SITE INFORMATION

	SF	AC
TOTAL PARCEL AREA =	229,017	5.26
LIMITS OF CONSTRUCTION =	158,369	3.64
PRE-DEVELOPED (LIMITS OF CONSTRUCTION)		
PRE-DEVELOPED WOODED AREA =	158,369	3.64
POST-DEVELOPED (LIMITS OF CONSTRUCTION)		
POST-DEVELOPED PERVIOUS AREA =	110,738	2.54
POST-DEVELOPED IMPERVIOUS AREA =	47,631	1.09
BUILDING =	13,952	
ASPHALT PAVING =	9,585	
CONCRETE PAVING =	24,094	
FLOOR TO AREA RATIO (FAR) =	0.30	
(WITHIN THE LIMITS OF CONSTRUCTION - 2.0 Max)		
PERCENT SEMI/IMPERVIOUS LOT COVERAGE =	30.08%	
(WITHIN THE LIMITS OF CONSTRUCTION - 85% MAX)		

BUILDING SETBACKS

FRONT AND REAR = 15 FEET
SIDES = 10 FEET



PUBLIC RIGHT-OF-WAY NOTES:

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS AND LICENSES NECESSARY TO WORK IN THE ESCAMBIA COUNTY RIGHT-OF-WAY.
2. NO ROADWAYS SHALL BE CLOSED, LANE CLOSURES MAY BE ALLOWED WITH ADEQUATE NOTICE GIVEN AND PRIOR APPROVAL. ROAD LANE CLOSURES SHALL BE KEPT AS SHORT AS POSSIBLE AND SHALL BE COORDINATED WITH THE AGENCY HAVING JURISDICTION (AHJ) - DEPARTMENT OF TRANSPORTATION, CITY, OR COUNTY AS APPLICABLE. THE AHJ SHALL BE NOTIFIED 72 HOURS IN ADVANCE BEFORE ANY WORK COMMENCES ON THEIR RIGHT-OF-WAY. TEMPORARY ACCESS TO ALL DRIVEWAYS SHALL BE PROVIDED WITHIN TWO (2) HOURS OF INITIAL DISRUPTION AND MAINTAINED UNTIL FINAL PROJECT ACCEPTANCE BY THE OWNER.
3. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL ON ALL ROADWAYS. PRIOR TO PERFORMING ANY WORK WITHIN ANY PUBLIC RIGHT-OF-WAY, THE CONTRACTOR SHALL DEVELOP AND SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE AGENCY HAVING JURISDICTION FOR THEIR APPROVAL. THIS PLAN MUST MEET THE MINIMUM REQUIREMENTS AS OUTLINED IN THE FDOT STANDARD PLANS INDEX 102 AS APPLICABLE.
4. ALL RIGHT-OF-WAY INSTALLATIONS WILL BE IN ACCORDANCE WITH PRACTICES REFERENCED IN THE STATE OF FLORIDA UTILITY ACCOMMODATIONS MANUAL, LATEST EDITION.
5. SIGNS AND BARRICADES SHALL BE IN ACCORDANCE WITH THE US DEPARTMENT OF TRANSPORTATION'S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT REQUIREMENTS.
6. ASPHALT PAVING, CONCRETE OR PAVED SHOULDERS, OR SWALES DISTURBED DURING CONSTRUCTION SHALL BE REPLACED IN KIND AT THE CONTRACTOR'S EXPENSE. PAYMENT FOR PAVEMENT CUT AND PATCH IS LIMITED TO THE HATCHED AREAS SHOWN ON THE PLANS. PAVEMENT SHALL BE PROTECTED OR REPAIRED AT THE CONTRACTOR'S EXPENSE AT ALL OTHER LOCATIONS. ALL CONCRETE CURBING OR DITCHING SHALL BE REPLACED IN ACCORDANCE WITH ESCAMBIA COUNTY REQUIREMENTS AND AT THE CONTRACTOR'S EXPENSE.

GRAPHIC SCALE:

30 15 0 30 60 90
SCALE IN FEET SCALE: 1" = 30'

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◦ Navarre, Florida 32566 ◦ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30889

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

SITE PLAN

FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
8007 American Way
Daphne, AL 36526
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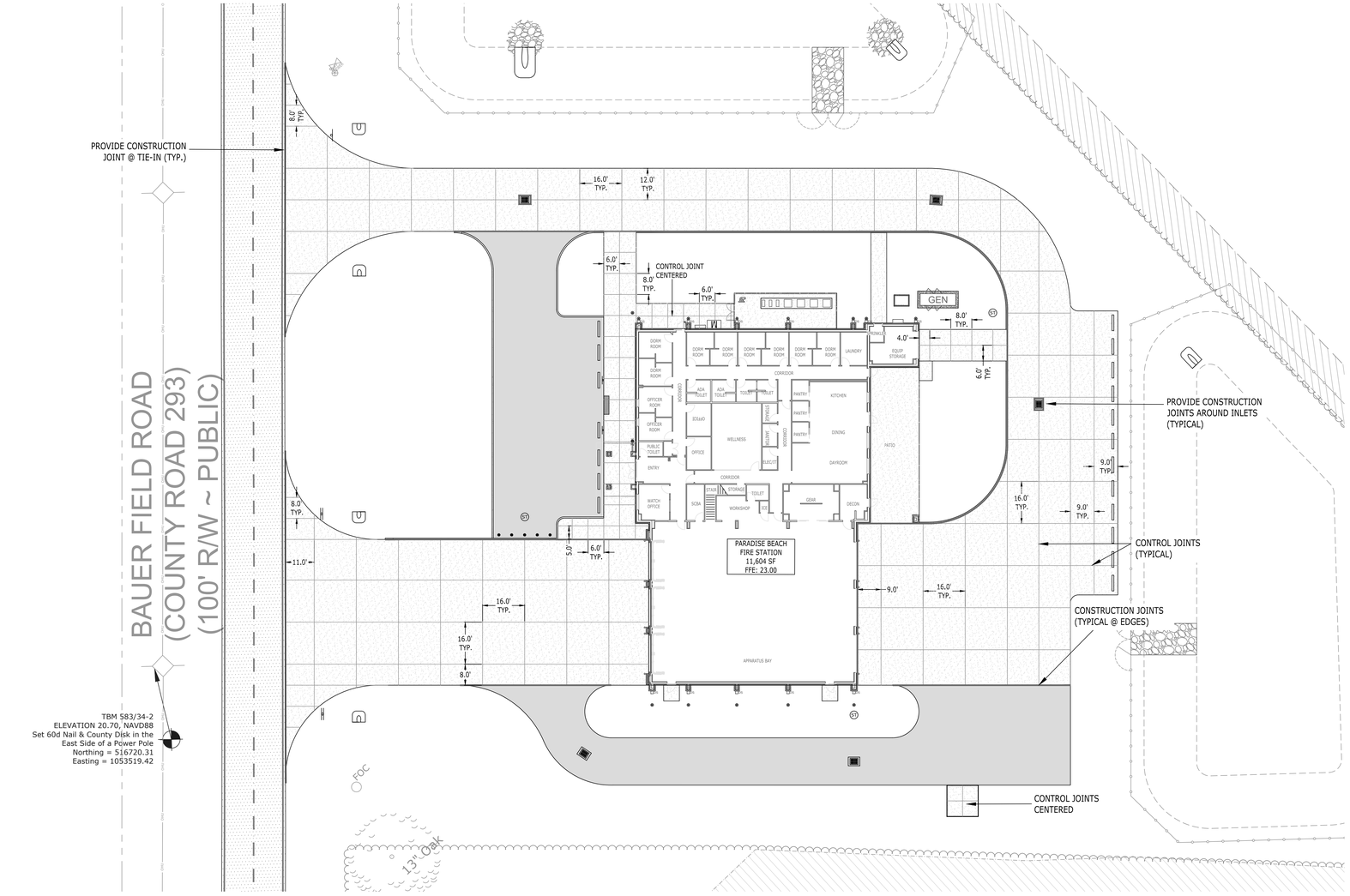
DALE ERIC MUNICIPAL LICENSED No 55393 STATE OF FLORIDA PROFESSIONAL ENGINEER 7/10/2026

JOB #: 250001-002
DATE: 7/10/2026

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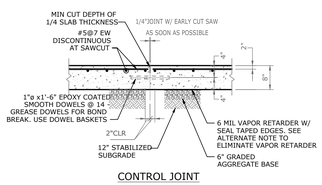
1. ALL CONCRETE PAVING SHALL BE 8" THICK.
2. ½" FELT EXPANSION JOINTS SHALL BE PROVIDED AROUND THE PERIMETER OF THE CONCRETE PAVING AS SHOWN.
3. CONTROL JOINTS SHALL BE ¼" WIDE BY 2" DEEP AND INSTALL IN 16'x 16' GRID AS SHOWN.
4. EXPANSION AND CONTROL JOINTS FOR CONCRETE CURBING AND SIDEWALK SHALL BE PER THE TYPICAL DETAILS.
5. CONTRACTOR SHALL REFER TO GEOTECHNICAL ENGINEERING REPORT FOR ADDITIONAL INFORMATION REGARDING RIGID PAVEMENT SECTION DESIGN.
6. ALL SITEWORK CONCRETE IS TO BE NORMAL WEIGHT CONCRETE WITH A MAXIMUM W/C RATIO OF 0.50 AND A 28 DAY COMPRESSIVE STRENGTH OF 4000 PSI.
7. UTILIZE RUSTPROOF CHAIRS THAT WILL PREVENT SUBSIDENCE INTO THE SUBGRADE DURING CONCRETE PLACEMENT. IF CONCRETE BRICK IS UTILIZED, IT SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
8. CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.
9. REINFORCING BARS: ASTM A615 GRADE 60. SPLICES SHALL BE CLASS "B" TENSION LAP SPLICE, UNLESS NOTED OTHERWISE.
10. REINFORCING MARKED "CONTINUOUS" SHALL BE SPLICED WITH CLASS "B" TENSION LAP SPLICE, UNLESS NOTED OTHERWISE.
11. 6" GRADED AGGREGATE BASE SHALL BE COMPACTED TO A MINIMUM OF 100% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM D-1557) LBR=100.
12. 12" STABILIZED SUBGRADE SHALL BE COMPACTED TO A MINIMUM OF 98% MODIFIED PROCTOR MAXIMUM DRY DENSITY (ASTM-1557) MIN LBR=40.
13. BASE AND SUBGRADE SHALL BE EXTENDED A MINIMUM OF 12" BEYOND EDGE OF PAVING.

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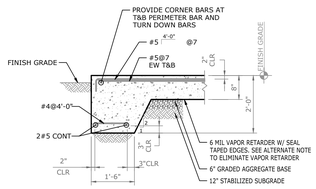
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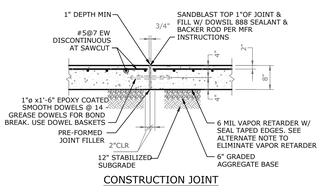
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CONTROL JOINT



SLAB EDGE AT FREE EDGE

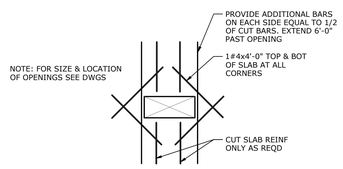


CONSTRUCTION JOINT

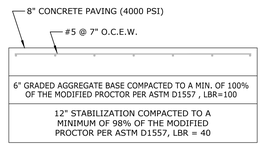
NOTES:
1. SAWCUT TO TAKE PLACE WITHIN 4-12 HOURS OF FINISHING CONCRETE: 4 HOURS IN HOT WEATHER, 12 HOURS IN COLD WEATHER.

SLAB CONTROL JOINT DETAILS

JOINT TYPE IS OPTIONAL



CONCRETE SLAB OPENING DETAIL



CONCRETE PAVING SECTION

NOT TO SCALE

TENSION LAP SPLICE LENGTHS				
BAR SIZE	f_c = 4000			
	TOP BARS		OTHER BARS	
	A	B	A	B
#3	19"	24"	15"	19"
#4	25"	32"	19"	25"
#5	31"	40"	24"	31"
#6	37"	48"	29"	37"

TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF CONCRETE CAST BELOW THE REINFORCEMENT.

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CONCRETE JOINT PLAN

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JOB #: 250001-002

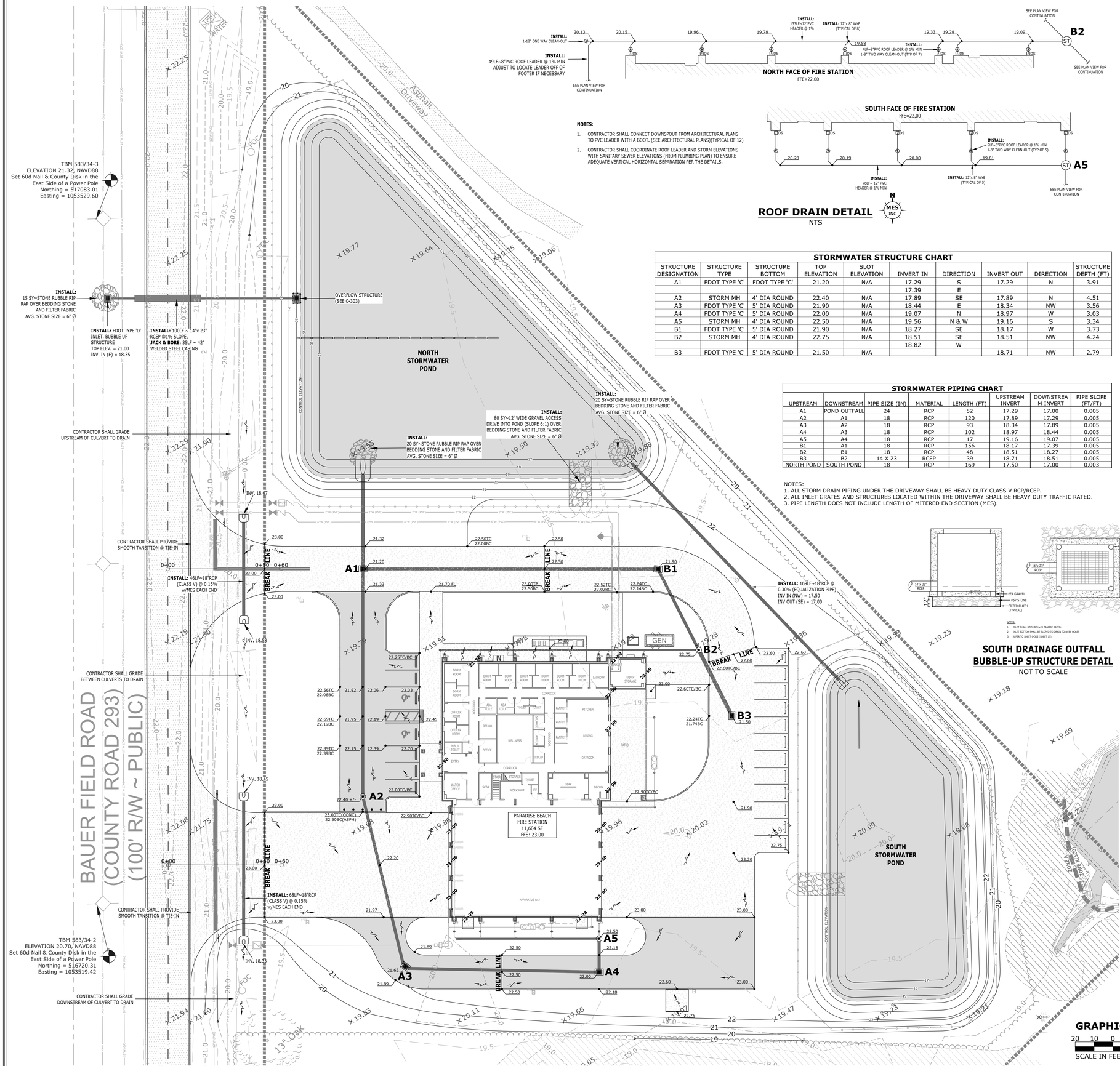
DATE: 7/10/2026

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MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◇ Navarre, Florida 32566 ◇ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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NOTES:

1. CONTRACTOR SHALL CONNECT DOWNSPOUT FROM ARCHITECTURAL PLANS TO PVC LEADER WITH A BOOT. (SEE ARCHITECTURAL PLANS)(TYPICAL OF 12)
2. CONTRACTOR SHALL COORDINATE ROOF LEADER AND STORM ELEVATIONS WITH SANITARY SEWER ELEVATIONS (FROM PLUMBING PLAN) TO ENSURE ADEQUATE VERTICAL HORIZONTAL SEPARATION PER THE DETAILS.

ROOF DRAIN DETAIL
NTS

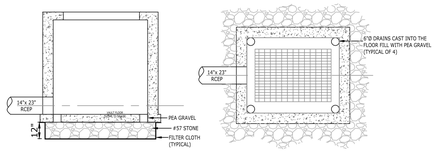
STORMWATER STRUCTURE CHART

STRUCTURE DESIGNATION	STRUCTURE TYPE	STRUCTURE BOTTOM	TOP ELEVATION	SLOT ELEVATION	INVERT IN	DIRECTION	INVERT OUT	DIRECTION	STRUCTURE DEPTH (FT)
A1	FDOT TYPE 'C'	FDOT TYPE 'C'	21.20	N/A	17.29	S	17.29	N	3.91
					17.39	E			
A2	STORM MH	4' DIA ROUND	22.40	N/A	17.89	SE	17.89	N	4.51
A3	FDOT TYPE 'C'	5' DIA ROUND	21.90	N/A	18.44	E	18.34	NW	3.56
A4	FDOT TYPE 'C'	5' DIA ROUND	22.00	N/A	19.07	N	18.97	W	3.03
A5	STORM MH	4' DIA ROUND	22.50	N/A	19.56	N & W	19.16	S	3.34
B1	FDOT TYPE 'C'	5' DIA ROUND	21.90	N/A	18.27	SE	18.17	W	3.73
B2	STORM MH	4' DIA ROUND	22.75	N/A	18.51	SE	18.51	NW	4.24
					18.82	W			
B3	FDOT TYPE 'C'	5' DIA ROUND	21.50	N/A			18.71	NW	2.79

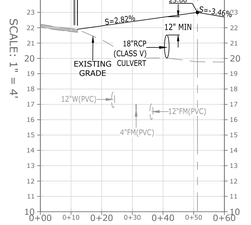
STORMWATER PIPING CHART

UPSTREAM	DOWNSTREAM	PIPE SIZE (IN)	MATERIAL	LENGTH (FT)	UPSTREAM INVERT	DOWNSTREAM INVERT	PIPE SLOPE (FT/FT)
A1	POND OUTFALL	24	RCP	52	17.29	17.00	0.005
A2	A1	18	RCP	120	17.89	17.29	0.005
A3	A2	18	RCP	93	18.34	17.89	0.005
A4	A3	18	RCP	102	18.97	18.44	0.005
A5	A4	18	RCP	17	19.16	19.07	0.005
B1	A1	18	RCP	156	18.17	17.39	0.005
B2	B1	18	RCP	48	18.51	18.27	0.005
B3	B2	14 X 23	RCEP	39	18.71	18.51	0.005
NORTH POND	SOUTH POND	18	RCP	169	17.50	17.00	0.003

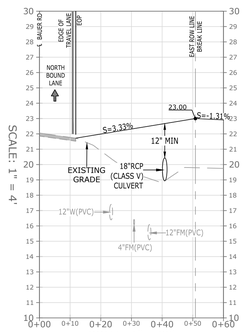
NOTES:
1. ALL STORM DRAIN PIPING UNDER THE DRIVEWAY SHALL BE HEAVY DUTY CLASS V RCP/RCEP.
2. ALL INLET GRATES AND STRUCTURES LOCATED WITHIN THE DRIVEWAY SHALL BE HEAVY DUTY TRAFFIC RATED.
3. PIPE LENGTH DOES NOT INCLUDE LENGTH OF MITERED END SECTION (MES).



SOUTH DRAINAGE OUTFALL BUBBLE-UP STRUCTURE DETAIL
NOT TO SCALE



NORTH DRIVEWAY



SOUTH DRIVEWAY

PAVING GRADING AND DRAINAGE NOTES:

1. ALL DRAINAGE STRUCTURES ARE TO BE TRAFFIC RATED UNLESS SPECIFICALLY NOTED OTHERWISE.
2. AFTER THE DRIVEWAY, PARKING, AND DRIVE AISLES HAVE BEEN CONSTRUCTED TO SUBGRADE, THEY SHALL BE PROOF-ROLLED TO ASSURE THAT PROPER COMPACTION HAS BEEN ATTAINED. THE PROOF-ROLLING AND COMPACTION OPERATIONS SHALL BE INSPECTED AND TESTED BY A FLORIDA LICENSED GEOTECHNICAL ENGINEER TO ASSURE THAT THE SPECIFIED COMPACTION IS MAINTAINED AND ALL DELETERIOUS MATERIALS HAVE BEEN REMOVED.
3. ALL REINFORCED CONCRETE PIPE (RCP) SHALL BE A MINIMUM CLASS III, UNLESS OTHERWISE APPROVED OR NOTED ON THE PLANS OR SPECIFICATIONS.
4. THE CONTRACTOR IS RESPONSIBLE FOR GRADING/PAVING ALL ROADWAYS TO DRAIN POSITIVELY IN THE DIRECTION SHOWN BY THE PROPOSED GRADES AND FLOW ARROWS ON THE PLANS. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE A SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. IF AN AREA OF POOR DRAINAGE IS OBSERVED DURING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PAVING SO THAT A SOLUTION OR RECOMMENDATION FOR CORRECTION CAN BE MADE.
5. ALL STORMWATER PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC.
6. CONTRACTOR SHALL SCREED ALL SIDEWALKS ¼" PER FOOT AWAY FROM THE BUILDING.
7. ALL HANDICAP ACCESSIBLE SIDEWALKS/ROUTES SHALL BE CONSTRUCTED TO LIMIT CROSS SLOPES TO 2.0% MAXIMUM.
8. ALL NEW AND EXISTING ROOF DRAINS, DOWNSPOUTS, AND GUTTERS SHALL BE DIRECTED TOWARDS PROPOSED/EXISTING STORMWATER SYSTEM AS SHOWN ON THE PLANS.
9. CONTRACTOR SHALL REFER TO MECHANICAL/ARCHITECTURAL PLANS FOR CONNECTIONS TO DOWNSPOUTS AND ROOF DRAINS AT THE FACE OF BUILDING, AS APPLICABLE.
10. SLOPES FOR PROPOSED PIPES FROM DOWNSPOUTS TO HEADER LINES SHOWN ON THE PLANS ARE TO BE CONSIDERED MINIMUM SLOPES. CONTRACTOR SHALL ADJUST PIPE SLOPES AS REQUIRED TO CONNECT TO ROOF DRAINS. CONTRACTOR SHALL NOTE FINAL SLOPES ON AS-BUILT DRAWING.
11. ALL NEW CURBING AND SIDEWALK SHALL ABUT/TIE-IN TO EXISTING CURBING AND SIDEWALK WITH A CONSTRUCTION JOINT. EXISTING EDGES SHALL BE CUT IN STRAIGHT LINES TO PRESENT A WORKMANLIKE CONNECTION. ABUTTING EDGES SHALL BE CONSTRUCTED FLUSH TO ELIMINATE TRIPPING HAZARDS.
12. THE CONTRACTOR SHALL GRADE ALL POND BOTTOMS TO DRAIN TOWARDS THE SAND FILTER, THE EQUALIZER PIPES, OR OUTFALL STRUCTURE AS APPROPRIATE.
13. CONTRACTOR SHALL VERIFY THE SIZE, TYPE, END ELEVATIONS AND SLOPE OF ALL CULVERTS THAT ARE DAMAGED OR WILL BE REPLACED DURING THE COURSE OF CONSTRUCTION. CULVERTS AND MITERED END SECTIONS, OR HEADWALLS SHALL BE REPLACED WITH EQUIVALENT MATERIALS AND CONSTRUCTION AS REQUIRED BY ESCANBIA COUNTY. THE CONTRACTOR SHALL PROVIDE PRE AND POST CULVERT ELEVATIONS, MATERIAL AND SIZE ON THE AS-BUILTS TO ENSURE COMPLIANCE.

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GRAPHIC SCALE:
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SCALE IN FEET SCALE: 1" = 20'

MUNICIPAL ENGINEERING SERVICES INC
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CERTIFICATE OF AUTHORIZATION: CA-30866

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GRADING AND DRAINAGE PLAN

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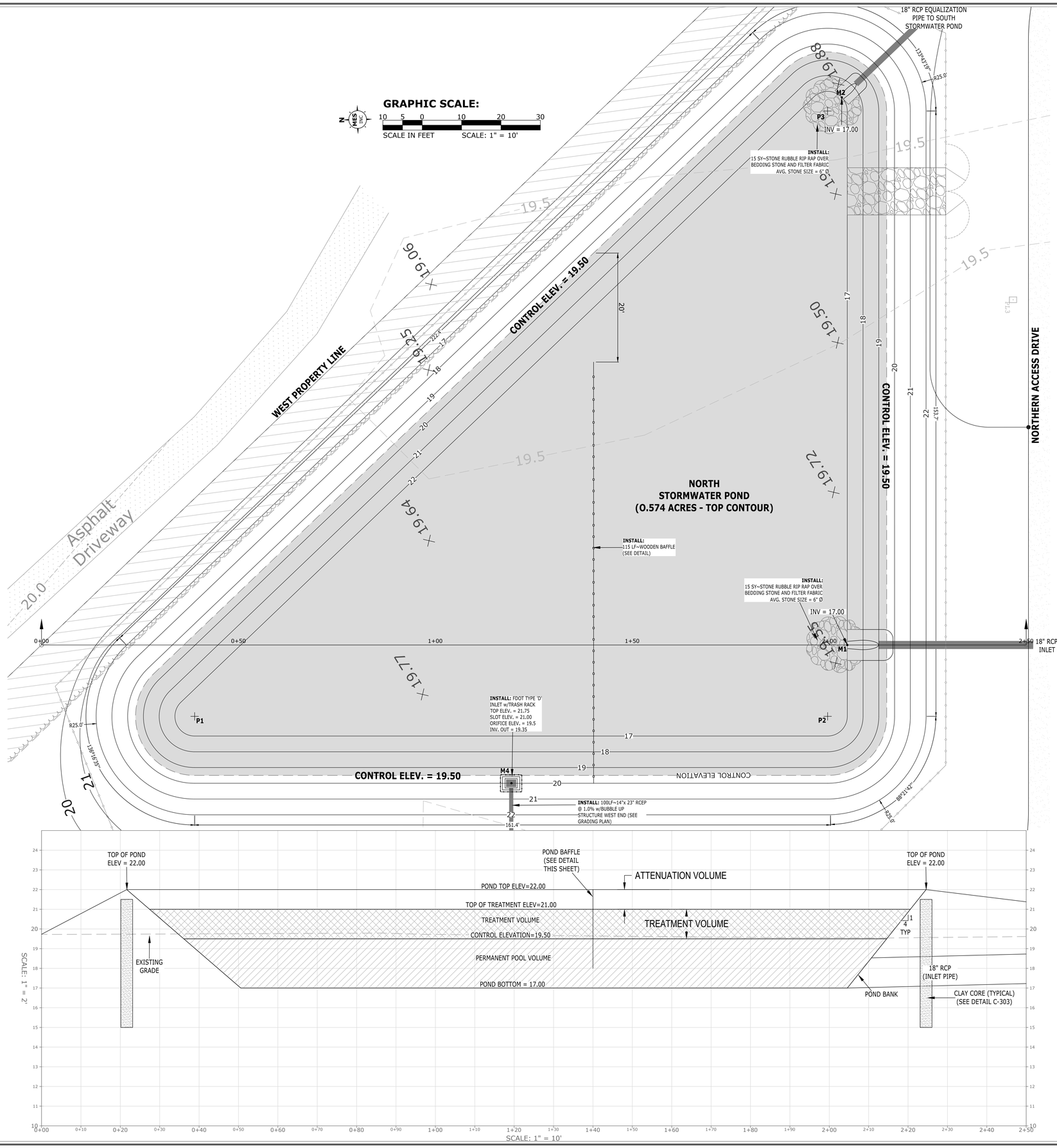
DALE ERIC DANIELL
LICENSE
No 55393
7/10/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB # 250001-002
DATE: 7/10/2026

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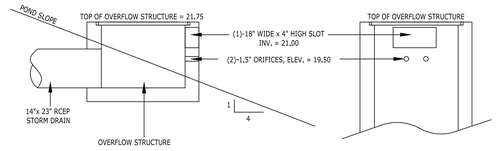


NORTH STORMWATER POND

POINT		NORTHING	EASTING
P1	NORTH CENTER PT	517117.7353	1053650.3574
P2	SOUTHWEST CNTER PT	516957.0911	1053645.7466
P3	SOUTHEAST CENTER PT	516952.6964	1053799.3946
M1	MES (IN)	516951.5749	1053663.7211
M2	MES EQUALIZATION (IN)	516948.9739	1053802.7444
M4	OVERFLOW STRUCTURE	517037.9009	1053631.0587

STORMWATER MAINTENANCE NOTES (ADD TO POND GRADING PLAN/DETAILS):

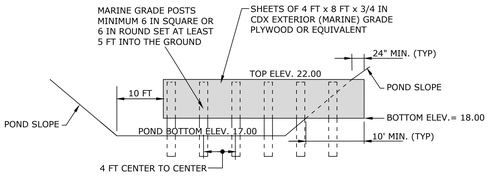
1. THE STORMWATER FACILITY SHALL BE MAINTAINED AS NECESSARY IN ORDER TO PROVIDE FOR CONTINUED OPERATION AS DESIGNED.
2. THE OWNER SHALL KEEP ALL PONDS, INLETS, FLUMES, AND/OR SWALES FREE OF ACCUMULATED DEBRIS, SILTATION, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD AFFECT THEIR OPERATION.
3. THE SCHEDULE FOR SUCH MAINTENANCE ACTIVITIES SHALL BE ON AN AS-NEEDED BASIS, DEPENDING ON THE RATE OF DEBRIS ACCUMULATION, GRASS AND VEGETATION GROWTH, AND OTHER VARYING CONDITIONS.
4. IN GENERAL, THE PROCEDURES AND SCHEDULE OF MAINTENANCE ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE ENVIRONMENTAL RESOURCE PERMIT AND THE REQUIREMENTS/STANDARD OPERATIONAL AND MAINTENANCE PROVISIONS AS UTILIZED BY ESCAMBIA COUNTY, FLORIDA, IN ITS MAINTENANCE OF PUBLIC STORMWATER FACILITIES.
5. FAILURE TO COMPLY AND CONTINUALLY MAINTAIN ALL APPROVED ELEMENTS OF AN APPROVED SITE PLAN, INCLUDING LANDSCAPE, APPEARANCE AND OTHER SITE DEVELOPMENT PERFORMANCE STANDARDS SHALL BE A VIOLATION OF COUNTY ORDINANCE SUBJECT TO ENFORCEMENT AND PENALTIES.
6. SOD IS REQUIRED FOR ALL OF PONDS, UNLESS OTHERWISE NOTED ON THE DETAILS. SOD FOR PONDS SHALL BE EXTENDED TO A MINIMUM OF 5 FEET BEYOND THE POND TOP ELEVATION. TWO ROWS OF SOD IS ALSO REQUIRED ADJACENT TO ALL PAVED AREAS. SOD SHALL BE WATERED IN AT THE CONTRACTOR'S EXPENSE UNTIL FULLY ROOTED AND GROWING. SOD SHALL BE PINNED FOR ALL SLOPES STEEPER THAN 4:1.



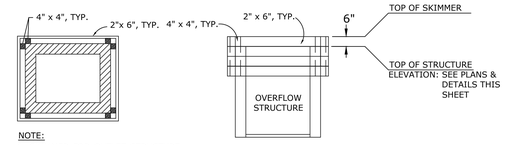
SECTION VIEW

OVERFLOW STRUCTURE DETAIL

NOT TO SCALE



BAFFLE DETAIL



NOTE:
1. SKIMMER FOR OUTLET STRUCTURE TO BE CONSTRUCTED OF 4"x 4"s AND 2"x 6"s AS SHOWN.

SKIMMER DETAIL

NOT TO SCALE

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NORTH STORMWATER POND GEOMETRY AND SECTIONS

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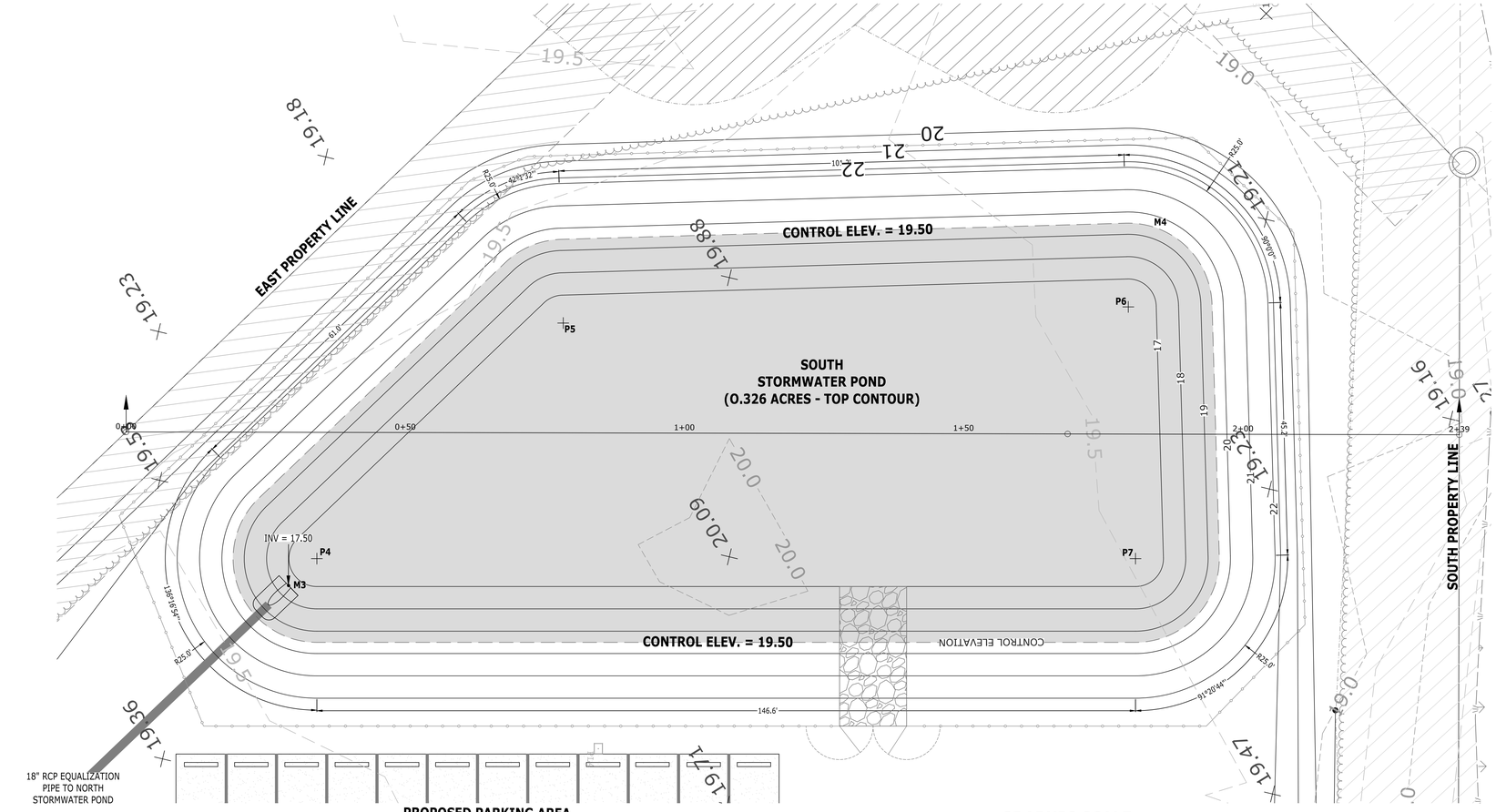
DALE ERIC LONG LICENSE No 55393 STATE OF FLORIDA PROFESSIONAL ENGINEER 7/10/2026

JOB #: 250001-002
DATE: 7/10/2026

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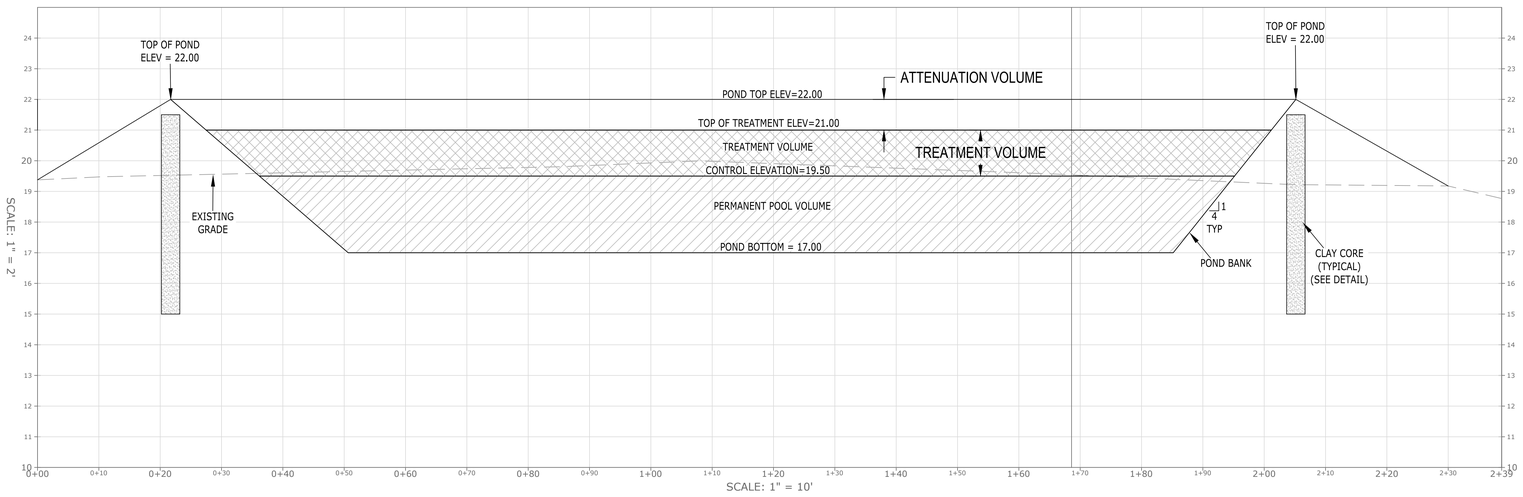
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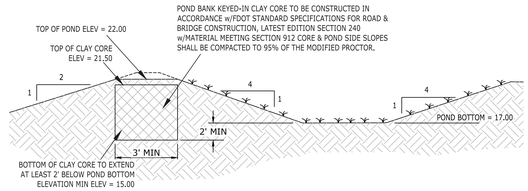
SOUTH STORMWATER POND

POINT		NORTHING	EASTING
P4	NORTHWEST CENTER PT	516818.6828	1053920.4150
P5	NORTHEAST CNTER PT	516773.3810	1053961.3245
P6	SOUTHEAST CENTER PT	516672.1539	1053961.3245
P7	SOUTHWEST CENTER PT	516672.1539	1053916.2239
M3	MES EQUALIZATION (OUT)	516823.8901	1053915.7347

STORMWATER MAINTENANCE NOTES (ADD TO POND GRADING PLAN/DETAILS):

1. THE STORMWATER FACILITY SHALL BE MAINTAINED AS NECESSARY IN ORDER TO PROVIDE FOR CONTINUED OPERATION AS DESIGNED.
2. THE OWNER SHALL KEEP ALL PONDS, INLETS, FLUMES, AND/OR SWALES FREE OF ACCUMULATED DEBRIS, SILTATION, AND OTHER OBJECTIONABLE MATERIALS THAT WOULD AFFECT THEIR OPERATION.
3. THE SCHEDULE FOR SUCH MAINTENANCE ACTIVITIES SHALL BE ON AN AS-NEEDED BASIS, DEPENDING ON THE RATE OF DEBRIS ACCUMULATION, GRASS AND VEGETATION GROWTH, AND OTHER VARYING CONDITIONS.
4. IN GENERAL, THE PROCEDURES AND SCHEDULE OF MAINTENANCE ACTIVITIES SHALL CONFORM TO THE REQUIREMENTS OF THE ENVIRONMENTAL RESOURCE PERMIT AND THE REQUIREMENTS/STANDARD OPERATIONAL AND MAINTENANCE PROVISIONS AS UTILIZED BY ESCAMBIA COUNTY, FLORIDA, IN ITS MAINTENANCE OF PUBLIC STORMWATER FACILITIES.
5. FAILURE TO COMPLY AND CONTINUALLY MAINTAIN ALL APPROVED ELEMENTS OF AN APPROVED SITE PLAN, INCLUDING LANDSCAPE, APPEARANCE AND OTHER SITE DEVELOPMENT PERFORMANCE STANDARDS SHALL BE A VIOLATION OF COUNTY ORDINANCE SUBJECT TO ENFORCEMENT AND PENALTIES.
6. SOD IS REQUIRED FOR ALL OF PONDS, UNLESS OTHERWISE NOTED ON THE DETAILS. SOD FOR PONDS SHALL BE EXTENDED TO A MINIMUM OF 5 FEET BEYOND THE POND TOP ELEVATION. TWO ROWS OF SOD IS ALSO REQUIRED ADJACENT TO ALL PAVED AREAS. SOD SHALL BE WATERED IN AT THE CONTRACTOR'S EXPENSE UNTIL FULLY ROOTED AND GROWING. SOD SHALL BE PINNED FOR ALL SLOPES STEEPER THAN 4:1.





CLAY CORE DETAIL

N.T.S.

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

SOUTH STORMWATER POND GEOMETRY AND SECTIONS

FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
8007 American Way
Daphne, AL 36526
251.625.6490 wk.
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www.fdaniell.com

REVISIONS

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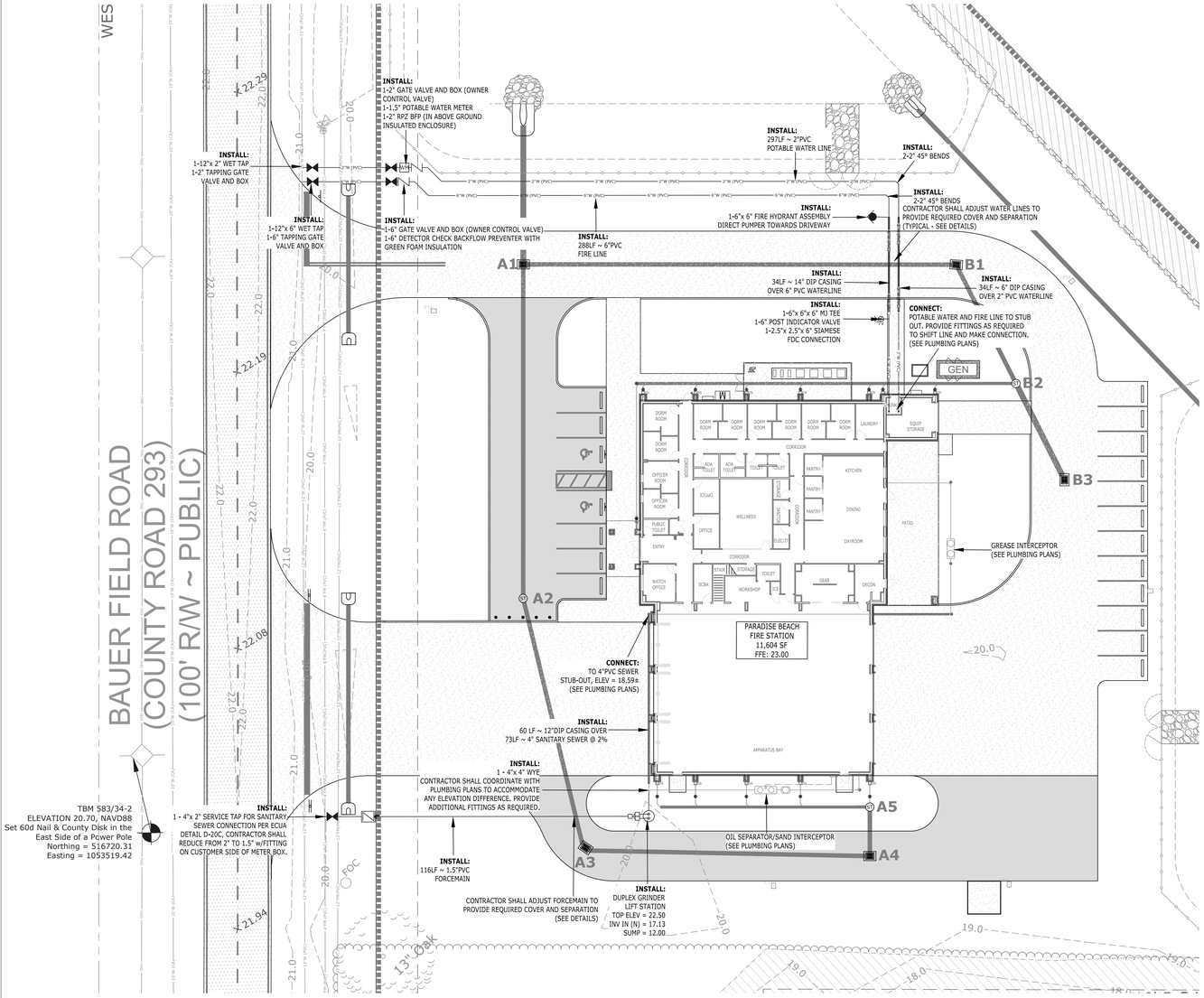
DALE ERIC LONG
LICENSE
No 55393
7/10/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

C-303

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◇ Navarre, Florida 32566 ◇ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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GRAPHIC SCALE:

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MES INC

20 10 0 20 40 60

SCALE IN FEET SCALE: 1" = 20'

UTILITY NOTES:

1. ALL UTILITY CONSTRUCTION SHALL CONFORM TO EMERALD COAST UTILITIES AUTHORITY (ECUA) STANDARD GUIDELINES AND SPECIFICATIONS, LATEST EDITION, AND STANDARD DETAILS.
2. THE EXISTING UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL EXISTING UTILITIES AS TO SIZE, LOCATION, AND ELEVATION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY AND ALL CONFLICTS PRIOR TO BEGINNING CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING SIZE, TYPE, LOCATION, AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND NOTIFYING THE INVOLVED UTILITY PROVIDERS TO MAKE ANY NECESSARY ARRANGEMENTS FOR RELOCATION, DISRUPTION OF SERVICE OR CLARIFICATION OF ACTIVITY REGARDING SAID UTILITY. THE CONTRACTOR SHALL USE EXTREME CAUTION WHEN CROSSING AN UNDERGROUND UTILITY, WHETHER SHOWN ON THESE PLANS OR FIELD LOCATED. THE RESPECTIVE UTILITY PROVIDERS SHALL RELOCATE UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION AND THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY PROVIDERS DURING RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED BY THE INVOLVED UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT.
4. THE CONTRACTOR SHALL ADHERE TO FLORIDA STATUTE CHAPTER 556 AND THE SUNSHINE 811 OF FLORIDA. CONTRACTOR SHALL NOTIFY ALL UTILITY OWNERS AND THE SUNSHINE UNDERGROUND NOTIFICATION CENTER AT 811 AT LEAST 48 HOURS PRIOR TO START OF WORK. CONTRACTOR IS RESPONSIBLE FOR CONTINUAL MAINTENANCE OF ALL UTILITY LOCATES, FLAGS, MARKINGS, ET CETERA THROUGH THE ENTIRE DURATION OF CONSTRUCTION.
5. UTILITY SERVICES TO THE PROPOSED BUILDING SHALL TERMINATE 5 FEET OUTSIDE OF THE BUILDING UNLESS OTHERWISE NOTED. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REVIEW BUILDING ARCHITECTURAL AND PLUMBING PLANS TO VERIFY PROPER CONTINUATION OF THE PROPOSED UTILITIES FOR LOCATION, ALIGNMENT AND ELEVATION(S) FOR EACH SERVICE TO THE BUILDING(S). SHOULD UTILITY SERVICE LATERALS SHOWN ON THE SITE CIVIL CONSTRUCTION PLANS NOT CORRESPOND WITH BUILDING ARCHITECTURAL OR PLUMBING PLANS THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY.
6. ALL VALVE BOXES SHALL BE SET FLUSH IN A CONCRETE COLLAR TO FINISH GRADE. ALL CONCRETE VALVE COLLARS SHALL BE CIRCULAR PRECAST MEMBER WITH A MINIMUM ANNULAR COVERAGE OF 6-INCHES.
7. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL CODES, RULES AND REGULATIONS REGARDING UTILITY LOCATIONS. THE CONTRACTOR IS COMPLETELY AND SOLELY RESPONSIBLE FOR ALL DAMAGES TO ANY UTILITIES CAUSED AS A RESULT OF, OR BY, THE CONSTRUCTION. THE LOCATION OF EXISTING UTILITIES ON THESE PLANS IS SHOWN IN AN APPROXIMATE WAY ONLY AND WAS TAKEN FROM LIMITED FIELD LOCATES AND THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL CONTACT FLORIDA POWER AND LIGHT AND/OR AT&T TO SUPPORT OR RELOCATE EXISTING POLES DURING CONSTRUCTION IF NECESSARY. THE CONTRACTOR SHALL PAY THE RESPECTIVE COMPANY FOR THIS WORK. THE CONTRACTOR SHALL COORDINATE ALL OTHER UTILITY WORK OR CONNECTIONS WITH THE APPROPRIATE UTILITY COMPANIES. UNDERGROUND UTILITIES MAY EXIST THAT ARE NOT SHOWN.
8. ALL NEW UTILITY MAINS (POTABLE WATER, RECLAIMED WATER, OR SANITARY FORCEMAINS) SHALL HAVE A MINIMUM COVER OF 30-INCHES AND A MAXIMUM COVER OF 36-INCHES, UNLESS OTHERWISE NOTED.
9. AT TIMES WHEN PIPE INSTALLATION IS NOT IN PROGRESS, THE OPEN ENDS OF THE PIPE SHALL BE CLOSED BY AN APPROVED MEANS AND SHALL REMAIN CLOSED UNTIL CONSTRUCTION OF THAT PARTICULAR SECTION IS RESUMED. NO OPEN TRENCHES WILL BE ALLOWED WHEN PIPE INSTALLATION IS NOT IN PROGRESS. THE TERMINAL JOINT MAY BE LEFT EXPOSED IN AN OPEN TRENCH, PROVIDED ADEQUATE SAFETY BARRICADES ARE INSTALLED BY THE CONTRACTOR.
10. CONNECTIONS TO EXISTING WATER AND SEWER FACILITIES SHALL BE COORDINATED WITH CITY OF EMERALD COAST UTILITIES AUTHORITY (ECUA) AT (850)476-0480 PRIOR TO MAKING CONNECTIONS. A REPRESENTATIVE OF ECUA SHALL WITNESS ALL CONNECTIONS AND OPERATE ALL VALVES.
11. PRESSURE PIPES SHALL BE ADJUSTED VERTICALLY GRADUALLY WITHOUT THE USE OF FITTINGS AS REQUIRED TO ACCOMMODATE EXISTING UTILITIES. IF GRADUAL LOWERING IS NOT POSSIBLE, APPROPRIATE FITTINGS AND JOINT RESTRAINT SHALL BE PROVIDED TO AVOID THE EXISTING CONFLICT. NO FITTINGS GREATER THAN 45° WILL BE ALLOWED. SEPARATION SHALL BE A MINIMUM OF 18" UNLESS OTHERWISE NOTED ON THE PLANS. CONTRACTOR SHALL REFERENCE PLAN NOTES AND CONFLICT DETAILS FOR ADDITIONAL GUIDANCE.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING ALL NECESSARY ARRANGEMENTS WITH GOVERNMENTAL DEPARTMENTS, PUBLIC UTILITIES, PUBLIC CARRIERS, SERVICE COMPANIES, AND CORPORATIONS OWNING OR CONTROLLING ROADWAYS, RAILWAYS, WATER, SEWER, GAS, ELECTRICAL, TELEPHONE, AND TELEGRAPH FACILITIES, SUCH AS PAVEMENTS, TRACKS, PIPING, WIRES, CABLES, CONDUITS, POLES, GUYS, OR OTHER SIMILAR FACILITIES, INCLUDING INCIDENTAL STRUCTURES CONNECTED THEREWITH THAT ARE ENCOUNTERED IN THE WORK IN ORDER THAT SUCH ITEMS MAY BE PROPERLY SUPPORTED, PROTECTED OR LOCATED.
13. IN LOCATIONS WHERE CONSTRUCTION IS SHOWN CROSSING EXISTING UTILITIES, THE CONTRACTOR SHALL POTHOLE THE EXISTING UTILITIES TO CONFIRM LOCATION, SIZE AND DEPTH IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL USE THE POTHOLE INFORMATION TO PROVIDE THE REQUIRED CLEARANCE BETWEEN THE PROPOSED UTILITY LINE ABOVE OR BELOW THE EXISTING UTILITIES.
14. CONTRACTOR SHALL COORDINATE SERVICE OUTAGES RELATED TO UTILITY TIE-INS WITH E.C.U.A. STAFF. CONTRACTOR IS ADVISED THAT TIE-INS MAY NEED TO BE MADE OVERNIGHT DURING OFF-PEAK HOURS.
15. GRAVITY SANITARY SEWER PIPE LENGTHS SHOWN ON THE PLANS ARE FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
16. MANHOLE LOCATIONS ARE TO BE STAKED/PAINTED (IN ROADWAY) BY THE CONTRACTOR IN THE FIELD FOR THE ENGINEER'S REVIEW PRIOR TO PLACING MANHOLES.
17. MANHOLE TOP ELEVATIONS SHOWN ARE APPROXIMATE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE TOP ELEVATIONS ARE SET FLUSH WITH THE FINAL GRADE, UNLESS SPECIFICALLY NOTED OTHERWISE ON THE CONSTRUCTION PLANS.
18. FOR CONNECTION OF PROPOSED SEWER TO EXISTING MANHOLES, THE CONTRACTOR SHALL CORE EXISTING MANHOLE AND CONNECT THE PROPOSED SEWER LINE TO THE EXISTING MANHOLE WITH A FLEXIBLE BOOT OR ENGINEER APPROVED CONNECTION IN ACCORDANCE WITH THE SPECIFICATIONS. THE CONTRACTOR SHALL PROVIDE A WATERTIGHT CONNECTION AND RE-SHAPE THE MANHOLE INVERT TO ACCOMMODATE THE NEW PIPE AND FLOW. CONTRACTOR SHALL PREVENT ANY DEBRIS FROM EXITING THE MANHOLE DURING THE CORING OPERATION AND ALL CORING DEBRIS SHALL BE REMOVED FROM THE MANHOLE AND SEWER LINES ONCE THE CONNECTION IS MADE.
19. THE ECUA ENGINEERING MANUAL, DATED DECEMBER 18, 2014, ALONG WITH UPDATE # 1 DATED SEPTEMBER 1, 2016 (HEREINAFTER "MANUAL"), LOCATED AT WWW.ECUA.FL.GOV, IS HEREBY INCORPORATED BY REFERENCE INTO THIS PROJECT'S OFFICIAL CONTRACT DOCUMENTS AS IF FULLY SET FORTH THEREIN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE KNOWLEDGEABLE OF THE MANUAL'S CONTENTS AND TO CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE MANUAL. THE CONTRACTOR SHALL PROVIDE ITS EMPLOYEES ACCESS TO THE MANUAL AT ALL TIMES, VIA PROJECT SITE OR OFFICE, VIA DIGITAL OR PAPER FORMAT. IN THE EVENT OF A CONFLICT BETWEEN THE MANUAL AND PLANS, CONTRACTOR SHALL CONSULT ENGINEER OF RECORD FOR PROPER RESOLUTION.
20. UTILITY OWNERS SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION SO THAT THE UTILITY OWNER CAN SPOT VERIFY AND/OR EXPOSE THEIR UTILITIES. KNOWN UTILITIES OWNERS INCLUDE:

    SANITATION/SEWER/WATER - EMERALD COAST UTILITY AUTHORITY
    MR. JAMES VORPAHL
    PH: (850) 969-5872 (OFFICE)
    PH: (850) 777-1124 (CELL)

    NATURAL GAS - PENSACOLA ENERGY
    MR. ANDREW BRISKE
    PH: (850) 474-5309 (OFFICE)
    PH: (850) 324-1852 (CELL)

    TELEPHONE -AT&T FLORIDA
    MR. TOM MANNING
    PH: (850) 623-3521 (OFFICE)
    PH: (850) 463-5176 (CELL)

    ELECTRIC - FLORIDA POWER & LIGHT
    MR. STEPHEN HARRIS
    PH: (850) 444-6895 (OFFICE)
    PH: (850) 516-8499 (CELL)

    CABLE - COX CABLE
    MR. TROY YOUNG
    PH: (850) 857-4510 (OFFICE)
    PH: (850) 232-5044 (CELL)

    TRAFFIC DEPARTMENT - ESCAMBIA COUNTY PUBLIC WORKS
    MRS. JOHNNY PETTIGREW
    3363 WEST PARK PLACE
    PENSACOLA, FL. 32505
    PH:(850) 595-3404
21. ALL CABLE DAMAGE MUST BE REPORTED TO THE ATT FLORIDA REPAIR SERVICE DEPARTMENT AT 611 FROM A LAND LINE OR 877-737-2478 IF USING A CELL PHONE.
22. CONTRACTOR SHALL USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD TRANSMISSION LINES AND UNDERGROUND UTILITIES.
23. UTILITIES TO REMAIN AND BE PROTECTED DURING CONSTRUCTION. NECESSARY REPAIRS SHALL BE CONSIDERED INCIDENTAL TO OTHER PAY ITEMS AND SHALL BE TO THE SATISFACTION OF UTILITY OWNERS.
24. ALL WATER SYSTEM COMPONENTS THAT COME INTO CONTACT WITH DRINKING WATER SHALL CONFORM TO NSF-61.
25. ALL BENDS, FITTINGS, AND COUPLINGS SHALL BE SUITABLY RESTRAINED AGAINST THRUST ON ALL NEW OR MOIDIFIED PRESSURE PIPE. ALL FITTINGS ON PRESSURE PIPE SHALL UTILIZE FLANGED OR APPROVED EQUAL RESTRAINT DEVICES (SEE DETAILS).
26. PLANS AND SPECIFICATIONS REQUIRE THAT BACKFILL BE PLACED ALONG SIDE AND OVER ALL NEWLY INSTALLED UTILITIES. COMPACTION TESTS SHALL BE TAKEN TO VERIFY BACKFILL IN ACCORDANCE WITH THE SPECIFICATIONS.
27. ALL PIPE INSTALLATION SHALL BE DIRECT BURY UNLESS SPECIFICALLY NOTED OTHERWISE.

ESCAMBIA COUNTY FIRE-RESCUE
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UTILITY PLAN

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REVISIONS

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DALE ERIC LONG
LICENSE
No 85393
7/10/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

C-401

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ○ Navarre, Florida 32566 ○ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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STORMWATER STRUCTURES

POINT	DESCRIPTION	NORTHING	EASTING
A1	NORTH ENTRANCE INLET	516893.6004	1053662.0436
A2	FRONT STORM MANHOLE	516773.0504	1053658.5688
A3	SW CORNER INLET	516682.4399	1053678.5392
A4	SOUTH DRIVE INLET	516676.5076	1053781.0093
A5	SOUTH STORM MANHOLE	516694.1773	1053781.5155
B1	NE CORNER INLET	516889.0272	1053818.3206
B2	NE STORM MANHOLE	516845.5357	1053838.6304
B3	REAR PARKING INLET	516810.2906	1053855.1389

BUILDING CORNERS

POINT		NORTHING	EASTING
S1	NORTHWEST CORNER	516843.4193	1053702.6025
S2	NORTHWALL CENTER	516840.9388	1053789.4312
S3	EQUIP NORTHWEST CORNER	516843.1048	1053789.4832
S4	NORTHEAST CORNER	516842.5017	1053810.5683
S5	PATIO SOUTHEAST CORNER	516766.2636	1053808.3837
S6	BAY NORTHEAST CORNER	516766.9302	1053784.8955
S7	BAY SOUTHEAST CORNER	516705.4550	1053783.1388
S8	BAY SOUTHWEST CORNER	516707.7292	1053703.8277
S9	BY NORTH WEST CORNER	516769.2024	1053705.5859
S10	FRONT SOUTHWEST CORNER	516769.3484	1053700.4839

GEOMETRY AND STRIPING NOTES:

1. ALL DIMENSIONS ARE FROM FACE OF CURB UNLESS OTHERWISE NOTED.
2. ALL STRIPING WITHIN THE RIGHT-OF-WAY INCLUDING THE STOP BAR AND DOUBLE YELLOW SOLID LINE (DYSL) SHALL BE THERMOPLASTIC PER F.D.O.T. SPECIFICATIONS AND INDEX #711-001. ALL OTHER INTERIOR ON-SITE STRIPING SHALL BE PAINT UNLESS SPECIFICALLY NOTED OTHERWISE.
3. ALL STRIPING AND SIGNAGE SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
4. ALL SIGNS SHALL BE INSTALLED PER F.D.O.T. INDEX #700-010 AND #700-101.

PARKING REQUIREMENTS

DSM 3-1.2 EMERGENCY SERVICE FACILITY
1 SPACE PER EMPLOYEE/VOLUNTEER ON NORMAL SHIFT
5 PER 1000 SF OF OFFICE SPACE

6 EMPLOYEES PER SHIFT = 6 SPACES
281 SF OF OFFICE SPACE 2 SPACES
(5 SPACES PER 1000 SF)

HANDICAP PARKING PER FLORIDA ACCESSIBILITY CODE = 1 SPACE FOR TOTAL PARKING LESS THAN OR EQUAL TO 25 SPACES

TOTAL PARKING REQUIRED = 8 STALL SPACES
1 HANDICAP SPACE
9 TOTAL SPACES

TOTAL PARKING PROVIDED = 17 STALL SPACES
2 HANDICAP SPACES
19 TOTAL SPACES

ADDITIONAL SPACES ARE PROVIDED IN ORDER TO PROVIDE ADEQUATE PARKING DURING SHIFT CHANGE

INSTALL:
1 - 24" WHITE STOP BAR
50LF +- 6" DOUBLE YELLOW SOLID LINE
1 - STOP SIGN (R1-1)

INSTALL:
1 - 24" WHITE STOP BAR
2 - STOP SIGNS (R1-1)
2 - 'DO NOT ENTER' SIGNS (R5-1)

LOCATE SIDE DRAINS IN CENTER OF EXISTING DITCH (TYPICAL)

367.2' TO THE NORTH PROPERTY CORNER

454.8' TO THE SOUTH PROPERTY CORNER

PARADISE BEACH FIRE STATION
11,604 SF
FFE: 23.00

DORM ROOM · DORM ROOM · DORM ROOM · DORM ROOM · DORM ROOM · DORM ROOM · DORM ROOM · LAUNDRY · DORM ROOM · DORM ROOM · CORRIDOR · ADA TOILET · ADA TOILET · TOILET · TOILET · PANTRY · KITCHEN · PANTRY · PANTRY · DINING · OFFICER ROOM · OFFICER ROOM · OFFICE · STORAGE · JANITOR · CORRIDOR · PUBLIC TOILET · ENTRY · OFFICE · WELLNESS · ELEC/IT · DAYROOM · CORRIDOR · WATCH OFFICE · SCBA · STAIR · STORAGE · TOILET · WORKSHOP · ICE · GEAR · DECON · APPARATUS BAY · SPRINKLER · EQUIP STORAGE · GEN · PATIO

GEOMETRY, STRIPING AND SIGNAGE PLAN

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REVISIONS

DALE ERIC LONG — LICENSED — No 55393 — STATE OF FLORIDA — PROFESSIONAL ENGINEER — 7/10/26

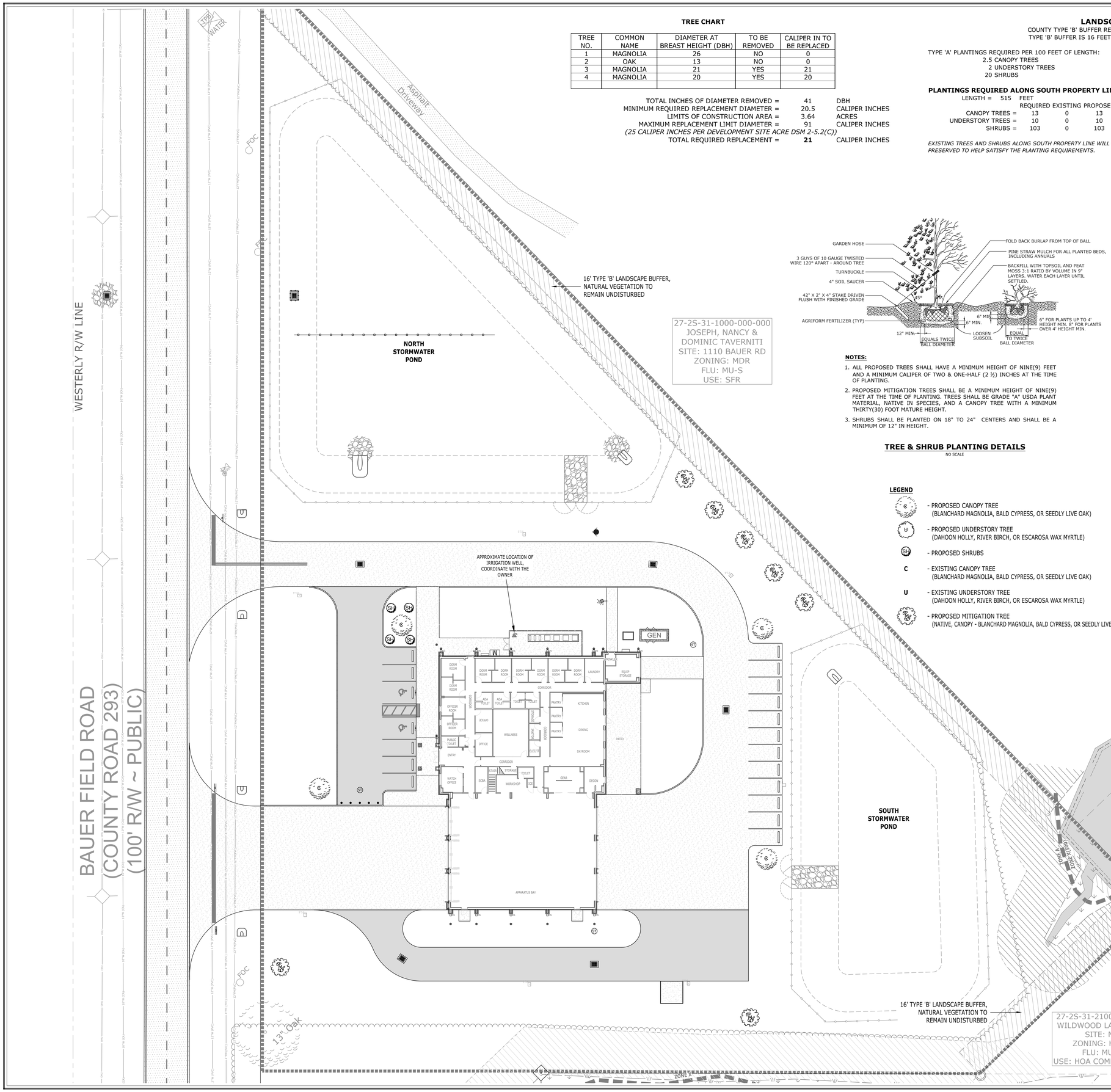
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MUNICIPAL ENGINEERING SERVICES INC
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CERTIFICATE OF AUTHORIZATION: CA-30889

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DATE: 7/10/2026

C-501

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TREE CHART

TREE NO.	COMMON NAME	DIAMETER AT BREAST HEIGHT (DBH)	TO BE REMOVED	CALIPER IN TO BE REPLACED
1	MAGNOLIA	26	NO	0
2	OAK	13	NO	0
3	MAGNOLIA	21	YES	21
4	MAGNOLIA	20	YES	20

TOTAL INCHES OF DIAMETER REMOVED =	41	DBH
MINIMUM REQUIRED REPLACEMENT DIAMETER =	20.5	CALIPER INCHES
LIMITS OF CONSTRUCTION AREA =	3.64	ACRES
MAXIMUM REPLACEMENT LIMIT DIAMETER =	91	CALIPER INCHES
(25 CALIPER INCHES PER DEVELOPMENT SITE ACRE DSM 2-5.2(C))		
TOTAL REQUIRED REPLACEMENT =	**21**	CALIPER INCHES

LANDSCAPING REQUIREMENTS

COUNTY TYPE 'B' BUFFER REQUIRED ALONG EAST AND SOUTH PROPERTY LINES
TYPE 'B' BUFFER IS 16 FEET WIDE AND REQUIRES AN OPAQUE FENCE OR WALL

TYPE 'A' PLANTINGS REQUIRED PER 100 FEET OF LENGTH:
2.5 CANOPY TREES
2 UNDERSTORY TREES
20 SHRUBS

PLANTINGS REQUIRED ALONG SOUTH PROPERTY LINE:

LENGTH = 515 FEET

	REQUIRED	EXISTING	PROPOSED
CANOPY TREES =	13	0	13
UNDERSTORY TREES =	10	0	10
SHRUBS =	103	0	103

EXISTING TREES AND SHRUBS ALONG SOUTH PROPERTY LINE WILL BE PRESERVED TO HELP SATISFY THE PLANTING REQUIREMENTS.

PLANTINGS REQUIRED ALONG EAST PROPERTY LINE:

LENGTH = 692 FEET (ADJUSTED FOR SOUTH BUFFER WIDTH)

	REQUIRED	EXISTING	PROPOSED
CANOPY TREES =	17	2	15
UNDERSTORY TREES =	14	0	14
SHRUBS =	138	0	138

EXISTING TREES AND SHRUBS ALONG EAST PROPERTY LINE WILL BE PRESERVED TO HELP SATISFY THE PLANTING REQUIREMENTS.

MITIGATION TREES REQUIRED:

TOTAL MITIGATION TREE REPLACEMENT =	21 CALIPER IN
MINIMUM DBH PROVIDED PER TREE =	3 CALIPER IN
NUMBER OF MITIGATION TREES REQUIRED =	7 TREES

NOTES:

1. ALL PROPOSED TREES SHALL HAVE A MINIMUM HEIGHT OF NINE(9) FEET AND A MINIMUM CALIPER OF TWO & ONE-HALF (2 ½) INCHES AT THE TIME OF PLANTING.
2. PROPOSED MITIGATION TREES SHALL BE A MINIMUM HEIGHT OF NINE(9) FEET AT THE TIME OF PLANTING. TREES SHALL BE GRADE "A" USDA PLANT MATERIAL, NATIVE IN SPECIES, AND A CANOPY TREE WITH A MINIMUM THIRTY(30) FOOT MATURE HEIGHT.
3. SHRUBS SHALL BE PLANTED ON 18" TO 24" CENTERS AND SHALL BE A MINIMUM OF 12" IN HEIGHT.

TREE & SHRUB PLANTING DETAILS

NO SCALE

LEGEND

- PROPOSED CANOPY TREE (BLANCHARD MAGNOLIA, BALD CYPRESS, OR SEEDLY LIVE OAK)
- PROPOSED UNDERSTORY TREE (DAHOON HOLLY, RIVER BIRCH, OR ESCAROSA WAX MYRTLE)
- PROPOSED SHRUBS
- **C** - EXISTING CANOPY TREE (BLANCHARD MAGNOLIA, BALD CYPRESS, OR SEEDLY LIVE OAK)
- **U** - EXISTING UNDERSTORY TREE (DAHOON HOLLY, RIVER BIRCH, OR ESCAROSA WAX MYRTLE)
- PROPOSED MITIGATION TREE (NATIVE, CANOPY - BLANCHARD MAGNOLIA, BALD CYPRESS, OR SEEDLY LIVE OAK)

LANDSCAPING AND PLANTING NOTES:

1. PROPOSED PLANTINGS SHOWN ON THIS SHEET SHALL MEET THE ESCAMBIA COUNTY LDC REQUIREMENTS AND SHALL BE NATIVE.
2. THE CONTRACTOR WILL BE REQUIRED TO WATER IN ALL PLANTINGS AND IRRIGATION WILL BE PROVIDED VIA WATER HOSES OR WATER TRUCKS UNTIL THE PLANTS ARE PROVEN TO BE ALIVE AND GROWING.
3. NO MORE THAN 50% OF REQUIRED LANDSCAPING MATERIAL MAY BE OF THE SAME SPECIES.
4. THE PLANTING CONTRACTOR SHALL PROVIDE NATIVE FLORIDA NURSERY GROWN STOCK SUPPLIED BY A FLORIDA NATIVE PLANT SUPPLIER.
5. ALL PLANTINGS SHALL CONFORM TO THE STANDARDS FOR FLORIDA GRADE NO. 1, OR BETTER, AS PROVIDED IN THE LATEST EDITION OF GRADES AND STANDARDS FOR NURSERY PLANTS, DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
6. THE PLANTING CONTRACTOR IS RESPONSIBLE FOR DELIVERY OF PLANT MATERIALS TO THE PROJECT SITE. MATERIALS SHALL BE PROTECTED FROM DETERIORATION DURING DELIVERY FROM THE NURSERY AND DURING STORAGE ON THE PROJECT SITE PRIOR TO INSTALLATION.
7. PLANTS SHOULD BE INSTALLED IMMEDIATELY FOLLOWING DELIVERY TO THE PROJECT SITE. IF PLANTING IS DELAYED FOR MORE THAN THREE (3) HOURS AFTER DELIVERY TO THE PROJECT SITE, PLANTINGS ARE TO BE PLACED IN THE SHADE AND PROTECTED FROM ADVERSE WEATHER AND MECHANICAL DAMAGE. ROOTS ARE TO BE KEPT MOIST BY COVERING WITH BURLAP, MULCH, OR OTHER ACCEPTABLE MEANS OF RETAINING MOISTURE.
8. CONTAINER GROWN STOCK SHALL NOT BE REMOVED FROM CONTAINERS UNTIL PLANTING TIME.
9. THE PLANTING CONTRACTOR SHALL KEEP THE PROJECT SITE CLEAN AND FREE OF ACCUMULATED SURPLUS AND DISCARDED PLANT MATERIAL.
10. THE CONTRACTOR SHALL PHASE CONSTRUCTION OPERATIONS SO THAT AREAS THAT REQUIRE PLANTING WILL BE READY FOR INSTALLATION OF PLANTS AS EARLY AS POSSIBLE IN THE FIRST OPTIMUM PLANTING SEASON.
11. THE CONTRACTOR SHALL ENSURE THAT ALL WORKMEN EMPLOYED BY HIM ARE COMPETENT, CAREFUL, RELIABLE, AND HAVE SUFFICIENT SKILL AND EXPERIENCE TO PROPERLY PERFORM THE WORK ASSIGNED TO THEM.
12. REQUIRED TREES AND SHRUBBERY SHALL BE PLANTED IN LOCATIONS AS SHOWN ON PLANS. SPACING AND SPECIES SHALL BE BY OTHERS BUT ALL PLANTINGS SHALL BE DROUGHT TOLERANT, NATIVE, AND OF THE SPECIES APPROVED BY ESCAMBIA COUNTY. ESCAMBIA COUNTY PLANNING AND ZONING WILL PROVIDE APPROVED SPECIES LIST UPON REQUEST.
13. ANY EXISTING LANDSCAPING SHOWN IN UNDISTURBED AREAS SHALL REMAIN NATURAL.
14. ALL EXISTING LANDSCAPING IN BUFFER AREAS DISTURBED DURING CONSTRUCTION SHALL BE REPLACED AS NEEDED TO MAINTAIN MIN. REQUIREMENTS AS SHOWN ON PLANS.
15. ALL LANDSCAPING SHALL BE PLACED WITHIN PROPERTY BOUNDARIES. NO LANDSCAPING SHALL BE PLACED WITHIN THE COUNTY RIGHT-OF-WAY.
16. GROUND COVER SPECIES SHALL HAVE A MINIMUM MATURE HEIGHT OF 24 INCHES AND A MAXIMUM HEIGHT OF 30 INCHES.
17. SEE LEGEND FOR EXISTING AND PROPOSED LANDSCAPING SYMBOLS.
18. ALL AREAS OF THE SITE THAT DO NOT CONTAIN GRASS OR LANDSCAPING PRIOR TO, OR AFTER CONSTRUCTION SHALL BE DISCED, SEEDED AND MULCHED, HYDROSEEDED, OR SODDED. THE CONTRACTOR SHALL ENSURE THAT THE ENTIRE SITE IS STABILIZED AND THAT ANY ERODED AREAS, ANYWHERE ON SITE, ARE REMEDIED. UNLESS OTHERWISE SPECIFIED, GRASSING SHALL BE NATIVE AND DROUGHT TOLERANT CENTIPEDE.
19. ALL LANDSCAPING SHALL UTILIZE NATIVE PLANT SPECIES OR THOSE SPECIES LISTED IN THE FLORIDA-FRIENDLY LANDSCAPING GUIDE TO PLANT SELECTION AND LANDSCPING DESIGN.
20. THE DIVERSITY OF TREES SHOWN TO BE PLANTED SHALL COMPLY WITH THE FOLLOWING:

NUMBER OF NEW TRESS PLANTED ON SITE	MAXIMUM PERCENTAGE OF ANY ONE SPECIES PLANTED
5-19	67%
20-49	40%
50 OR MORE	30%

21. TREES SHALL BE PLANTED AT THE CENTER OF A MINIMUM PERMANENT PERVIOUS ROOTING AREA CLEAR OF ALL OBSTRUCTIONS TO ALLOW FOR GROWTH AND MATURITY. THE MINIMU RADIUS OF THE ROOTING AREA SHALL BE FOUR FEET FOR AN UNDERSTORY TREE AND SIX FEET FOR A CANOPY TREE.
22. CANOPY TREES ARE THOSE HAVING A MATURE HEIGHT OVER 30 FEET, UNDERSTORY TREES HAVE MATURE HEIGHTS NO GREATER THAN 30 FEET.
23. AT LEAST 50% OF THE BUFFER PLANTINGS SHALL BE EVERGREEN SPECIES.

N (MES INC)

GRAPHIC SCALE:

20 10 0 20 40 60

SCALE IN FEET SCALE: 1" = 20'

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◦ Navarre, Florida 32566 ◦ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

LANDSCAPING PLAN

FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
8007 American Way
Daphne, AL 36526
251.625.6490 wk.
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DALE ERIC LONG
LICENSE
No 55393
7/10/2026
STATE OF FLORIDA
PROFESSIONAL ENGINEER

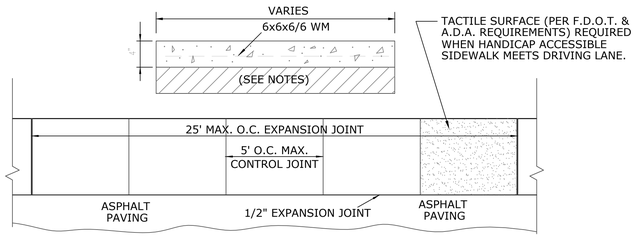
JOB #: 250001-002
DATE: 7/10/2026

C-601

R:\MES\2025\250001-002 Paradise Beach FS\DWG\Sheets\40 Site Plan.dwg, 7/10/2026 10:36:16 AM

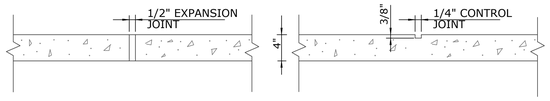
NOTES:

1. CONCRETE SHALL BE 4000 P.S.I. MINIMUM.
2. FOR PEDESTRIAN TRAFFIC AREAS PROVIDE 8" STABILIZED SUB-BASE COMPACTED TO 95% MODIFIED PROCTOR.
3. DECORATIVE CONCRETE SHALL BE REPAIRED OR REPLACED IN KIND AS APPLICABLE.



CONCRETE SIDEWALK DETAIL

NOT TO SCALE



CONCRETE CONTROL JOINT DETAIL

NOT TO SCALE

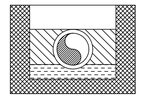


TYPE 1

FLAT-BOTTOM* TRENCH, LOOSE EMBEDMENT
E = 50 psi (340 kPa). K = 0.110

TYPE 2

FLAT-BOTTOM* TRENCH, EMBEDMENT LIGHTLY CONSOLIDATED TO CENTERLINE OF PIPE.
E = 200 psi (1,380 kPa). K = 0.110



TYPE 3

PIPE BEDDED ON 4" (100 mm) MINIMUM OF LOOSE SOIL** EMBEDMENT LIGHTLY CONSOLIDATED TO TOP OF PIPE.
E = 400 psi (2,760 kPa). K = 0.102



TYPE 4

PIPE BEDDED ON SAND, GRAVEL OR CRUSHED STONE TO DEPTH OF 1/8 PIPE DIAMETER, 4" (100 mm) MINIMUM. EMBEDMENT COMPACTED TO TOP OF PIPE.(APPROXIMATELY 80% STANDARD PROCTOR, AASHTO T-99 OR ASTM D 698)
E = 1,000 psi (6,900 kPa). K = 0.096

TYPE 5

PIPE ENBEDDED IN COMPACTED GRANULAR MATERIAL TO CENTERLINE OF PIPE. COMPACTED GRANULAR OR SELECT MATERIAL TO TOP OF PIPE. (APPROXIMATELY 90% STANDARD PROCTOR. AASHTO T-99 OR ASTM D 698)
E = 2,000 psi (13,800 kPa). K = 0.083

NOTE: REQUIRED EMBEDMENT TYPE WILL DEPEND ON THE PIPE'S DIMENSION RATIO, INTERNAL OPERATIING PRESSURE, AND EXTERNAL LOAD, AND SHALL BE SPECIFIED BY THE PURCHASER.(SEE SEC. 5.3)

* "FLAT-BOTTOM" IS DEFINED AS UNDISTURBED EARTH.
** "LOOSE SOIL" OR "SELECT MATERIAL" IS DEFINED AS NATIVE SOIL EXCAVATED FROM THE TRENCH, FREE OF ROCKS FOREIGN MATERIAL, AND FROZEN EARTH. A SOFT "LOOSE SOIL" BEDDING WILL CONTOUR TO THE PIPE BOTTOM. CAUTION MUST BE EXERCISED TO ENSURE PROPER PLACEMENT OF EMBEDMENT MATERIAL UNDER THE HAUNCHES OF THE PIPE.

From AWWA C.605
UNDERGROUND INSTALLATION OF PVC PIPE

PIPE ENVELOPE REQUIREMENTS

* ECUA STANDARD DETAIL D-60

DUCTILE IRON

Pipe Dia. (in)	Minimum Pipe Length to be Restrained, L (ft) — Horizontal Fittings: 90°	45°	22.5°	11.25°	Dead Ends and Valves	45° Vertical Offset: Equal Tees	Tunnel	Tunnel
3	33	8	4	2	33	1	14	1
4	23	10	5	3	40	1	17	4
6	31	13	7	4	56	1	23	5
8	41	17	8	4	73	2	30	6
10	51	21	10	5	91	2	37	8
12	60	25	12	6	102	76	43	9
14	63	27	13	7	133	89	48	10
16	73	30	14	7	130	63	54	11
18	78	32	16	8	143	75	60	12
20	84	35	17	9	157	78	65	13
24	97	40	20	10	182	111	76	16

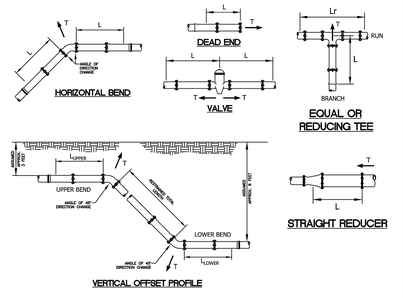
NOTES:
1. CALCULATIONS ARE BASED ON THE FOLLOWING ASSUMPTIONS: TEST PRESSURE = 150 PSI, SOIL GROUP = SM, TRENCH TYPE = 3, DEPTH = 2.5', SAFETY FACTOR = 2.
2. WITH TEES, THE DISTANCE OF THE RUN LENGTH (L1) IS MEASURED FROM THE END OF THE BRANCH RUN LENGTHS, INDIVIDUAL CALCULATIONS MUST BE MADE.
3. AS A MINIMUM, PIPE RESTRAINTS ARE TO BE PLACED ON THE FIRST FULL JOINT OF PIPE FROM FITTINGS.
4. FOR ALL NEW CONSTRUCTION, WHEN A PIPE MUST BE INSTALLED IN A CASING THE REQUIRED JOINT RESTRAINTS MUST ALSO BE INSTALLED WITHIN THE CASING PIPE AS WELL AS THE FITTINGS OUTSIDE THE CASING.
5. FOR AN EXISTING MAIN LOCATED UNDER A PAVED SURFACE, THE CONTRACTOR WILL NOT BE REQUIRED TO PLACE RESTRAINTS ON THE EXISTING PIPE.
6. FOR AN EXISTING MAIN NOT LOCATED UNDER A PAVED SURFACE, THE CONTRACTOR WILL BE REQUIRED TO PLACE RESTRAINTS ON THE EXISTING PIPE.
7. L = THE CALCULATED LENGTH OF PIPE TO BE RESTRAINED.
8. T = THE THRUST FORCE IN WHICH THRUST IS BEING APPLIED TO THE PIPE/FITTING.

DUCTILE IRON - STRAIGHT REDUCERS — Minimum Pipe Length to be Restrained, L (ft)

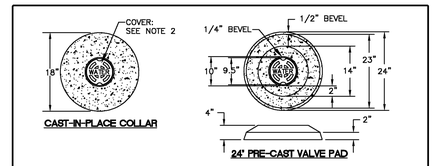
LARGER SIZE \ Pipe Diameter (in)	4	6	8	10	12	14	16	18	20	24
6	13	0	0	0						
8	29	52	71	89						
10		35	53	74	92	109				
12			29	54	75	95	112			
14				30	55	77	97	115		
16					30	55	78	98	134	
18						30	55	78	138	
20							30	55	98	
24								29	55	0

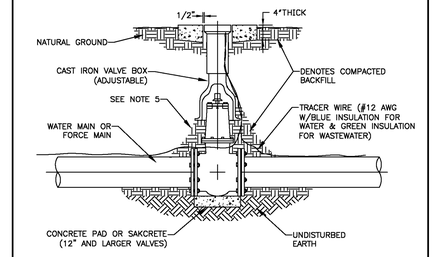
DUCTILE IRON - REDUCING TEES — Minimum Pipe Length to be Restrained, L (ft)

BRANCH \ Pipe Diameter (in)	4	6	8	10	12	14	16	18	20	24
4	0	0	0	0	0	0	0	0	0	0
6	5	5	5	5	5	5	5	5	5	5
8		3	3	3	3	3	3	3	3	3
10			2	2	2	2	2	2	2	2
12				23	10	1	1	1	1	1
14					39	25	14	1	1	1
16						52	42	33	1	1
18							65	55	40	1
20								75	60	30



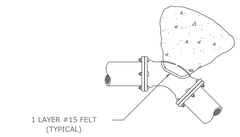
ECUA EMERALD COAST UTILITIES AUTHORITY	DUCTILE IRON PIPE JOINT RESTRAINT TABULATION	DETAIL D-62
SCALE: N.T.S. DATE: 2/1/2025		





NOTES:
1. VALVE BOX AND BOOT SHALL BE CAST IRON.
2. VALVE COVER SHALL BE MARKED "WATER" OR "SEWER" AS APPLICABLE
3. VALVE BOX TOP & COLLAR SHALL BE FLUSH WITH FINISHED GRADE.
4. GATE VALVE SHALL BE RESILIENT SEAT WITH MECHANICAL JOINT ENDS.
5. EARTH UNDER FLANGE OF VALVE BOX & COLLAR TO BE FIRM AND WELL TAMPED TO ENSURE AGAINST VALVE BOX SETTLING.

ECUA EMERALD COAST UTILITIES AUTHORITY	TYPICAL VALVE & BOX INSTALLATION	DETAIL D-43
SCALE: N.T.S. DATE: 2/24/2025		



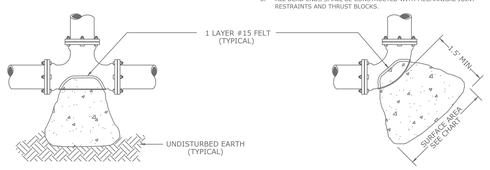
1 LAYER #15 FELT (TYPICAL)

45° BEND - M.J.

MINIMUM THRUST BLOCK DIMENSIONS:
SURFACE AREA AGAINST UNDISTURBED SOIL

PIPE SIZE \ FITTING	DEAD END OR TEE	90° BEND	45° BEND	22.5° BEND
4"	1' X 2'	1.5' X 1.5'	1' X 1.5'	1' X 1'
6"	2' X 2'	2.5' X 2.5'	2' X 1.5'	1' X 1.5'
8"	2.25' X 3'	3' X 3'	2' X 2.5'	1.5' X 1.5'
10"	3.5' X 3'	4' X 3.75'	2.75' X 3'	2' X 2'
12"	4' X 4'	4' X 5'	3' X 4'	2' X 3'
16"	5' X 5.5'	6' X 6.5'	4' X 5'	3' X 3.5'

NOTES:
1. ONE LAYER OF #15 FELT TO BE USED TO PREVENT ADHESION OF CONCRETE TO FITTING.
2. ALL THRUST BLOCKS TO BE BACKED BY UNDISTURBED SOIL
3. THRUST BLOCK DIMENSIONS BASED ON SM SOIL CLASSIFICATION
4. CONCRETE MIN. 2,500 PSI.
5. JOINT RESTRAINTS ARE TO BE USED ON ALL FITTINGS. TRUST BLOCKS REQUIRED ON 90° BENDS, 45° BENDS, TEES, TAPPING SLEEVES, AND DEAD ENDS.
6. ALL DEAD ENDS SHALL BE CONSTRUCTED WITH MECHANICAL JOINT RESTRAINTS AND THRUST BLOCKS.

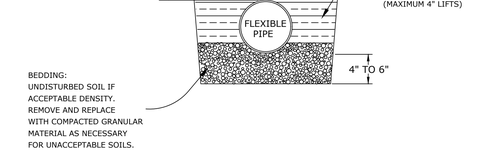


TEE - M.J. 90° BEND - M.J.

TYPICAL THRUST BLOCK INSTALLATIONS

N.T.S.

* ECUA STANDARD DETAIL D-52

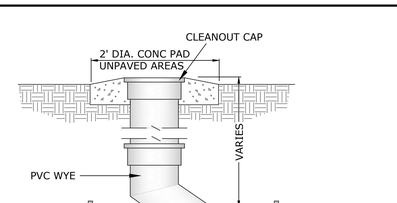


FLEXIBLE PIPE BEDDING

* ECUA STANDARD DETAIL D-61

SANITARY SEWER LINES (GRAVITY OR PRESSURE) SHALL HAVE 18" OR GREATER VERTICAL CLEARANCE BELOW ANY POTABLE WATER LINE WHEN CROSSING. A MINIMUM OF 6" VERTICAL CLEARANCE IS REQUIRED FOR OTHER UTILITIES. HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER LINE THAT IS PARALLEL TO AND LESS THAN 18" BELOW A POTABLE WATER LINE SHALL BE 10' OR GREATER. A MINIMUM OF 30" IS REQUIRED FOR OTHER UTILITIES.

IF THIS IS NOT POSSIBLE OR PRACTICAL, SEE NOTES BELOW:

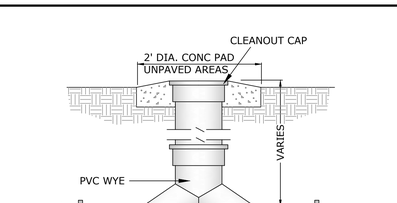


NOTES:

1. CLEAN-OUT CAP SHALL BE WATER-TIGHT.
2. CLEAN-OUTS SHALL INCORPORATE FITTINGS (WYE FITTINGS OR BENDS) THAT HAVE AN ANGLE NO LESS THAN 45° AS MEASURED FROM THE UPSTREAM END OF THE FILTER PIPES.
3. CLEAN-OUT CAP SHALL BE IRON FERRULE w/ BRASS COUNTERSUNK SCREW PLUG IN ALL PAVED AREAS. PVC SCREW-CAP IS ACCEPTABLE IN UNPAVED AREAS.

ONE-WAY CLEAN-OUT DETAIL

NOT TO SCALE

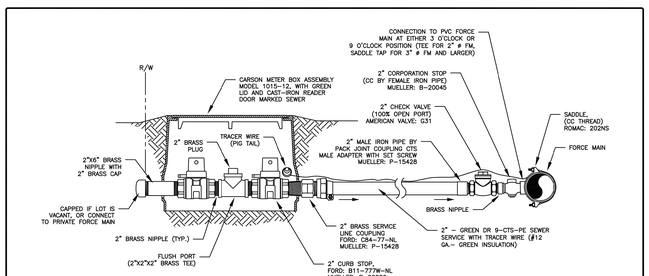


NOTES:

1. CLEAN-OUT CAP SHALL BE WATER-TIGHT.
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TWO-WAY CLEAN-OUT DETAIL

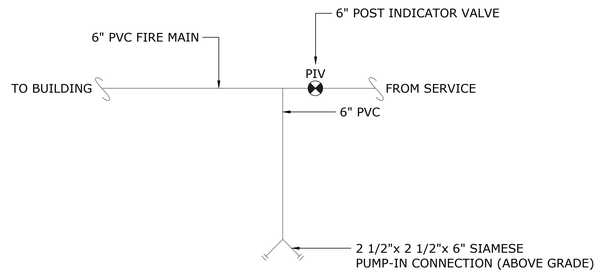
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NOTES:

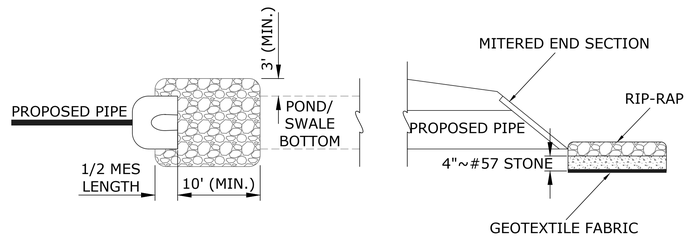
1. THIS DETAIL APPLIES TO ALL 2" LOW PRESSURE SEWER SERVICES, RESIDENTIAL AND COMMERCIAL.
2. EACH CUSTOMER SHALL HAVE A SEPARATE SERVICE. SERVICES SHALL BE LOCATED ON OPPOSITE LOT LINE FROM WATER METERS PER APPROVED PLANS. CONSULT WITH ECUA INSPECTOR IF UNCLEAR.
3. GRINDER STATION AND PIPES ON PRIVATE PROPERTY SHALL BE OWNED AND MAINTAINED BY THE PROPERTY OWNER.
4. EACH GRINDER PUMP SHALL BE CAPABLE OF DELIVERING 21 GPM AT A MINIMUM HEAD CONDITION OF 115' (50 PSI) OR MORE. PUMP SHALL BE SIZED AND SPECIFIED BY THE ENGINEER OF RECORD WITH SELECTION SHOWN ON ECUA APPROVED PLANS, AND PLUMBERS/SUPPLIERS SHALL SUPPLY PUMP THAT MEETS OR EXCEEDS SAID SELECTION BASED ON SITE CONDITIONS. A CHECK VALVE AND BALL VALVE SHALL BE SUPPLIED AT THE GRINDER STATION.
5. IF SERVICE IS INSTALLED UNDER ROAD, THEN A 4" HDPE SDR 11 GREEN, OR 4" HDPE SDR 11 GREEN-STRIPED CASING SHALL BE INSTALLED.

ECUA EMERALD COAST UTILITIES AUTHORITY	2" LOW PRESSURE SEWER SERVICE	DETAIL D-20C
SCALE: N.T.S. DATE: 8/04/2021		



SIAMESE CONNECTION DETAIL

NOT TO SCALE



RIP-RAP INSTALLATION DETAIL

NOT TO SCALE

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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DALE ERIC LONG — LICENSE — No 55303 — 7/10/2026 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

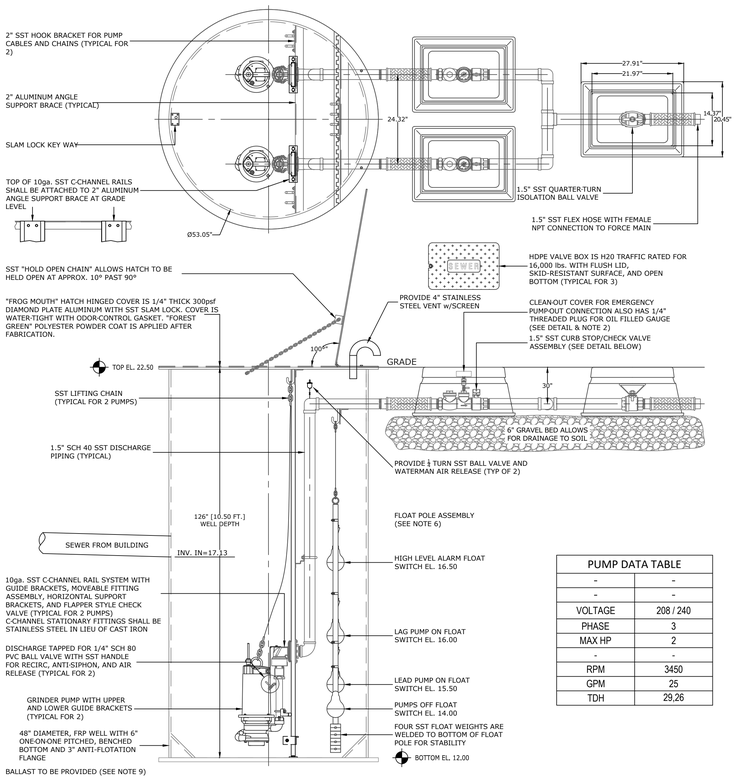
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DATE: 7/10/2026

CIVIL DETAILS

C-701

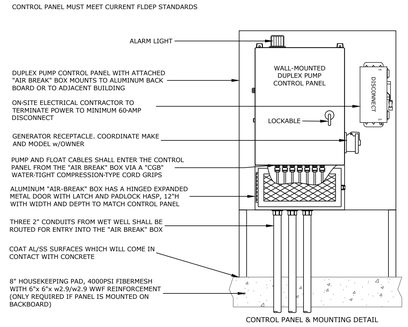
MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ○ Navarre, Florida 32566 ○ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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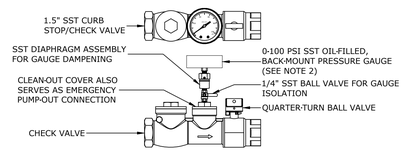


WET WELL ELEVATION

PUMP DATA TABLE	
-	-
-	-
VOLTAGE	208 / 240
PHASE	3
MAX HP	2
-	-
RPM	3450
GPM	25
TDH	29.26



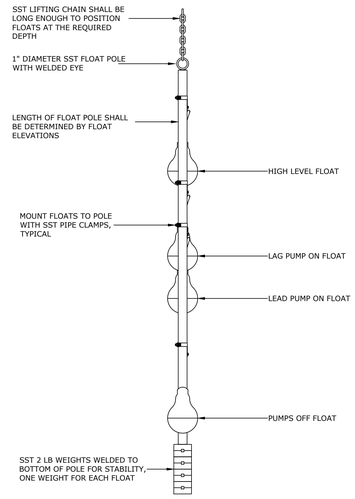
CONTROL PANEL & MOUNTING DETAIL



CURB STOP/CHECK VALVE DETAIL

NOTES:

1. THE PUMPS MUST HAVE A 5-YEAR 100% REPAIR PARTS AND LABOR WARRANTY AS PROVIDED BY THE PUMP MFR.
2. GAUGE TO BE SIZED TO READ NO MORE THAN 1-1/2 TIMES THE MAX. PRESSURE PUMP PROVIDED AT DEAD HEAD.
3. CONTROL PANEL MUST MEET CURRENT FLDEP STANDARDS.
4. PROVIDE ALARM HORN AND SILENCER.
5. ON-SITE ELECTRICAL CONTRACTOR TO TERMINATE POWER TO MINIMUM 60-AMP DISCONNECT. (SEE ELECTRICAL PLANS)
6. FLOAT POLE ASSEMBLY CONSISTS OF A 1" x SST PIPE WITH SST LIFTING CHAIN MOUNTED TO WELDED EYE. CHAIN SHALL BE LONG ENOUGH TO POSITION THE FLOATS AT THE REQUIRED DEPTH. FLOATS MOUNT TO POLE WITH PIPE CLAMPS. ONE WEIGHT FOR EACH FLOAT SHALL BE WELDED TO BOTTOM OF PIPE FOR STABILITY. (SEE DETAIL)
7. PUMP "C" CHANNELS SHALL BE 10 GAUGE IN LIEU OF STANDARD 14 GAUGE.
8. PUMP "C" CHANNEL STATIONARY FITTINGS SHALL BE STAINLESS STEEL IN LIEU OF STANDARD CAST IRON.
9. CONCRETE BALLAST SHALL BE FIELD INSTALLED PER DETAIL.
10. PROVIDE LIGHTNING ARRESTER AND SURGE PROTECTOR.
11. ALL PENETRATIONS THROUGH FRP WETWELL SHALL BE SEALED AND SLEEVED (WATER AND GAS TIGHT).
12. PROVIDE BATTERY BACKUP.
13. PHASE MONITOR SHALL BE PROVIDED FOR STATIONS WITH 3-PHASE POWER.

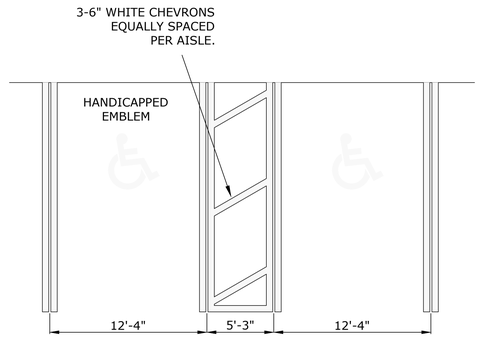


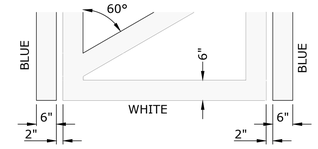
FLOAT POLE DETAIL

NOT TO SCALE

NOTES:

1. SEE WET WELL DETAILS FOR FLOAT ELEVATIONS.

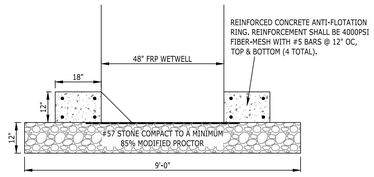




HANDICAP STRIPING DETAIL

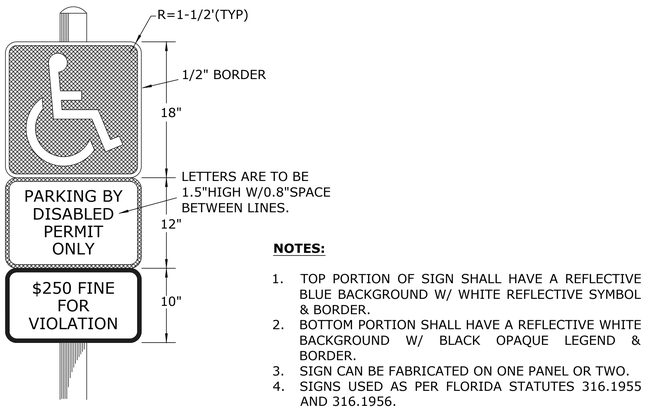
NOT TO SCALE

NOTE:
PARALLEL SPACES SHALL BE SIMILARLY MARKED.



ANTI-FLOATION BALLAST DETAIL

NOT TO SCALE

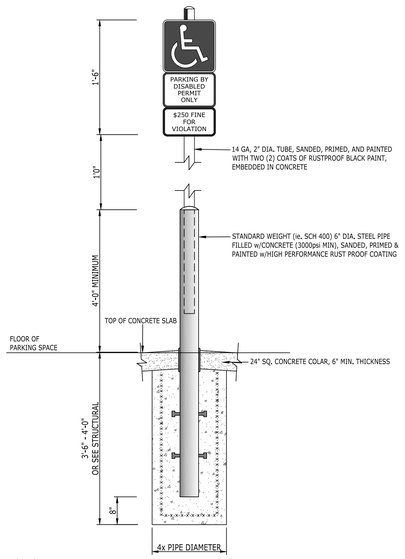


NOTES:

1. TOP PORTION OF SIGN SHALL HAVE A REFLECTIVE BLUE BACKGROUND W/ WHITE REFLECTIVE SYMBOL & BORDER.
2. BOTTOM PORTION SHALL HAVE A REFLECTIVE WHITE BACKGROUND W/ BLACK OPAQUE LEGEND & BORDER.
3. SIGN CAN BE FABRICATED ON ONE PANEL OR TWO.
4. SIGNS USED AS PER FLORIDA STATUTES 316.1955 AND 316.1956.

HANDICAP SIGN DETAIL

NOT TO SCALE

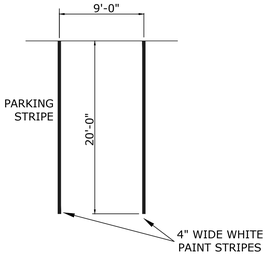


NOTES:

1. ALL SIGNS SHOWN SHALL CONFORM TO THE MOST CURRENT MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
2. ALL SIGNS SHOWN SHALL BE RETROREFLECTORIZED TO SHOW THE SAME COLOR BY NIGHT AS BY DAY.
3. ALL SIGNS SHALL BE SECURELY MOUNTED ON GALVANIZED STEEL POSTS.
4. INSTALL QUANTITY AND AT LOCATIONS REQUIRED BY CODE AND/OR AS INDICATED ON DRAWINGS. CONFIRM ALL HANDICAPPED SIGNAGE CODES.
5. SET PIPE INTO CONCRETE FOOTER AS SHOWN. POUR CONCRETE SIDEWALK TO PIPE.

HANDICAP SIGN INSTALLATION DETAIL

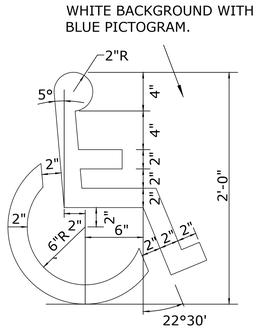
NOT TO SCALE



NOTE:
ALL NON-HANDICAPPED STRIPING OR MARKINGS SHALL BE WHITE IN COLOR.

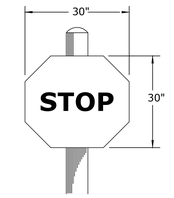
TYPICAL PARKING SPACE STRIPING DETAIL

NOT TO SCALE



HANDICAP EMBLEM DETAIL

NOT TO SCALE

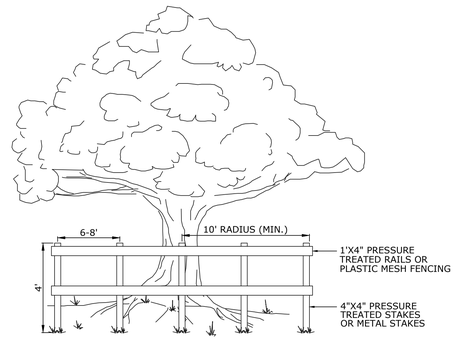


NOTES:

1. STOP SIGNS SHALL MEET THE REQUIREMENTS OF R1-1 OF THE M.U.T.C.D. LATEST EDITION.
2. SIGNS SHALL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS PER F.D.O.T. INDEX #700-010.

STOP SIGN DETAIL

NOT TO SCALE



TREE BARRICADE DETAIL

NOT TO SCALE

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

CIVIL DETAILS

FORREST DANIELL & Associates, P.C.
FD&A
Architecture & Planning
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Daphne, AL 36526
251.625.6490 wk.
251.625.6494 fx.
www.fdaniell.com

REVISIONS

1 2 3 4 5 6 7

DALE ENGLAND LICENSE No 55393 STATE OF FLORIDA PROFESSIONAL ENGINEER 7/10/2026

JOB #: 250001-002
DATE: 7/10/2026

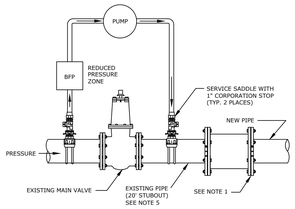
C-702

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◦ Navarre, Florida 32566 ◦ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

R:\MES\2025\250001-002 Paradise Beach FS\DWG\Sheets\90 Details.dwg, 7/10/2026 10:37:23 AM

NOTES:

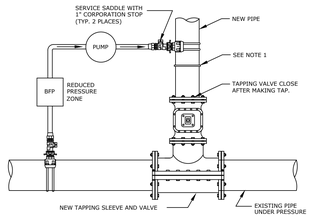
1. NEW PIPE SHALL BE CAPPED OR PLUGGED FOR PRESSURE TEST. ONCE TEST IS SATISFACTORILY COMPLETED NEW MAIN IS TO BE CONNECTED TO EXISTING MAIN IN A MANNER ACCEPTABLE TO E.C.U.A.
2. THE CONTRACTOR SHALL FLUSH LINE PRIOR TO STARTING THE CHLORINATION PROCEDURE. ALL FLUSHING SHALL BE DONE THROUGH THE EXISTING VALVE WITH ALL HYDRANTS AND SERVICE LINES OPEN. E.C.U.A. INSPECTOR SHALL BE THE ONLY PERSON ALLOWED TO OPERATE THE VALVE AND SHALL BE PRESENT DURING FLUSHING OPERATION.
3. ONCE SATISFACTORY BACTERIOLOGICAL SAMPLES ARE OBTAINED THE CONTRACTOR SHALL CLOSE BOTH CORPORATION STOPS AND REMOVE SERVICE TUBING, PUMP AND BACK FLOW PREVENTER; CAP CORPORATION STOPS WITH BRASS CAPS.
4. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR FILLING, CHLORINATING AND TESTING PROCEDURES. CONTRACTOR SHALL PROVIDE SAMPLING TAPS AT THOSE LOCATIONS APPROVED BY THE E.C.U.A. INSPECTOR. E.C.U.A. SHALL COLLECT TEST SAMPLES. CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF CHLORINATED WATER.
5. IF 20' STUB OUT IS NOT PRESENT, SPECIAL ARRANGEMENTS WILL HAVE TO BE MADE TO DEPRESSURIZE THE EXISTING MAIN TO MAKE CONNECTION TO THE EXISTING VALVE.



TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION. (EXISTING STUBOUT)

NOTES:

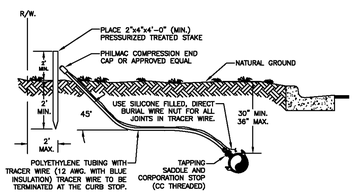
1. NEW PIPE SHALL BE CAPPED OR PLUGGED FOR PRESSURE TEST. ONCE TEST IS SATISFACTORILY COMPLETED NEW MAIN IS TO BE CONNECTED TO TAPPING VALVE. TAPPING VALVE IS TO REMAIN CLOSED.
2. THE CONTRACTOR SHALL FLUSH LINE PRIOR TO STARTING THE CHLORINATION PROCEDURE. ALL FLUSHING SHALL BE DONE THROUGH THE TAPPING VALVE WITH ALL HYDRANTS AND SERVICE LINES OPEN. E.C.U.A. INSPECTOR SHALL BE THE ONLY PERSON ALLOWED TO OPERATE THE VALVE AND SHALL BE PRESENT DURING FLUSHING OPERATION. ONCE FLUSHING IS COMPLETE THE INSPECTOR SHALL CLOSE THE VALVE.
3. ONCE SATISFACTORY BACTERIOLOGICAL SAMPLES ARE OBTAINED THE CONTRACTOR SHALL CLOSE BOTH CORPORATION STOPS AND REMOVE SERVICE TUBING, PUMP AND BACK FLOW PREVENTER; CAP CORPORATION STOPS WITH BRASS CAPS.
4. CONTRACTOR SHALL FURNISH ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY FOR FILLING, CHLORINATING AND TESTING PROCEDURES. CONTRACTOR SHALL PROVIDE SAMPLING TAPS AT THOSE LOCATIONS APPROVED BY THE E.C.U.A. INSPECTOR. E.C.U.A. SHALL COLLECT TEST SAMPLES. CONTRACTOR IS RESPONSIBLE FOR PROPER DISPOSAL OF CHLORINATED WATER.



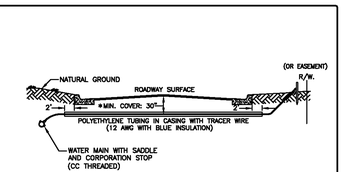
TYPICAL CONNECTION FOR NEW LINE FILLING, PRESSURE TESTING, FLUSHING AND CHLORINATION. (TAPPING SLEEVE AND VALVE)

TYPICAL CHLORINE DISINFECTION

D-41



TYPICAL SHORT SERVICE



*OR GREATER AS REQUIRED BY CITY / COUNTY / D.O.T.

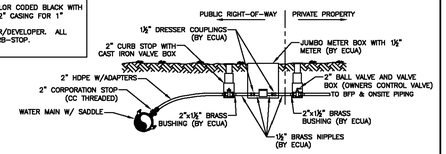
TYPICAL LONG SERVICE - STREET CROSSING

GENERAL NOTES:
- SERVICE LINES TO BE TERMINATED WITHIN 2 FEET OF THE R/W LINE BUT NOT UNDER ANY TYPE OF PAVEMENT.
- ALL WATER SERVICES SHALL BE INSTALLED 1 FOOT OFF THE COMMON PROPERTY LINE, ON THE OPPOSITE PROPERTY LINE FROM THE PROPOSED ELECTRICAL TRANSFORMERS. THE OWNER/DEVELOPER SHALL COORDINATE THE LOCATION OF THE WATER METER WITH THE POWER COMPANY PRIOR TO INSTALLATION.
- CASING (WITHOUT JOINTS) SHALL BE PVC OR HDPE AND SHALL BE COLOR CODED BLACK WITH BLUE STRIPING. CASING MATERIAL AND COLOR SHALL MATCH SERVICE. 2" CASING FOR 1" SERVICE PIPE, DR17 BLUE STRIPE, ENDOT OR PERFORMANCE PIPE.
- ALL METER BOXES AND PLUMBING SHALL BE INSTALLED BY THE OWNER/DEVELOPER. ALL METERS SHALL BE INSTALLED BY ECUA BY CONNECTING METER TO CURB-STOP.
- SADDLES TO HAVE CC THREADS

RECOMMENDED MINIMUM TUBING SIZES FOR WATER SERVICES			
SIZE OF METER	DESIGN FLOW (GPM)	MAX. LENGTH OF TUBING FOR SIZE INDICATED	
		1"	2"
⅝"	20	92	2679
1"	50	17	492
1½"	100		136
SIZE OF CASING (LONG SERVICE ONLY)		2"	4"

* 1" IS THE TYPICAL RESIDENTIAL SERVICE SIZE

11/2" WATER METER ASSEMBLY

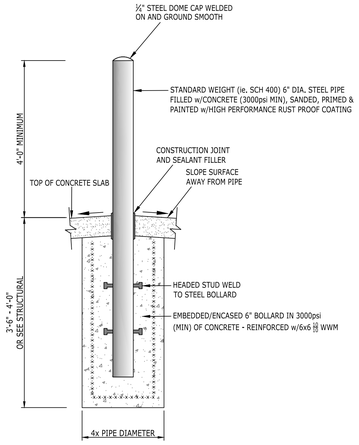


EMERALD COAST UTILITIES AUTHORITY

SCALE: N.T.S.
DATE: 11/2025

WATER SERVICE FOR 5/8", 1", & 1 1/2" METERS

DETAIL D-40



NOTE: PAINT PIPING w/PRIMER AND BASE COAT PRIOR TO EMBEDMENT.

TYP. STD. BOLLARD DETAIL

NOT TO SCALE

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING • CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORMWATER FORCE MAIN	WATER MAIN / 3 FT. MINIMUM / OTHER PIPE	WATER MAIN / 12 INCHES IS THE MINIMUM, EXCEPT FOR STORM SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED / OTHER PIPE	ALTERNATE 3 FT. MINIMUM / WATER MAIN
GRAVITY OR PRESSURE SANITARY SEWER, SANITARY SEWER FORCE MAIN	WATER MAIN / 10 FT. PREFERRED 6 FT. MINIMUM (2) / OTHER PIPE	WATER MAIN / 12 INCHES IS THE MINIMUM, EXCEPT FOR GRAVITY SEWER, THEN 6 INCHES IS THE MINIMUM AND 12 INCHES IS PREFERRED / OTHER PIPE	ALTERNATE 6 FT MINIMUM / WATER MAIN

(1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE. WHEN WATER MAIN MUST BE BELOW OTHER PIPE, THE MINIMUM SEPARATION IS 12 INCHES.
(2) 3 FT. GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 6 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.

NOTES:

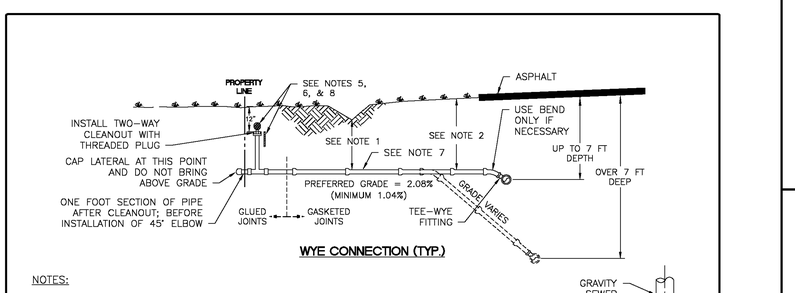
A. INFORMATION PROVIDED FROM FDEP RULE 62-555. IF OTHER FDEP RULES CONFLICT, THEN USE THE MOST STRINGENT RULE.
B. IF THERE ARE CONFLICTS IN THE SEPARATION REQUIREMENTS BETWEEN COLLECTION SYSTEMS AND DRINKING WATER FACILITIES ESTABLISHED IN FOOTNOTES (1) AND (2) ABOVE AND THOSE ESTABLISHED IN CHAPTER 62-532 OR 62-555, F.A.C., THEN THE REQUIREMENTS IN CHAPTER 62-532 OR 62-555, F.A.C., SHALL APPLY.

EMERALD COAST UTILITIES AUTHORITY

SCALE: N.T.S.
DATE:

WATER / SEWER SEPARATION

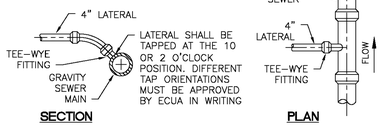
DETAIL D-64



WYE CONNECTION (TYP.)

NOTES:

1. MAINTAIN 18" MINIMUM IF DITCH IS PRESENT.
2. MAINTAIN 36" MINIMUM IF NO DITCH IS PRESENT.
3. ALL LATERALS TO BE 4" ø UNLESS PLANS SHOW LARGER DIAMETER.
4. SEWER LATERAL SHALL BE INSTALLED IN THE MIDDLE OF EACH LOT UNLESS OTHERWISE INDICATED ON CONSTRUCTION PLANS.
5. INSTALL #4 REBAR, 12" LONG, 12" COVER, NEXT TO CLEANOUT. PLACE 3M EMS BALL MARKER MODEL 1404-XR DIRECTLY ON TOP OF CLEANOUT PLUG.
6. PLUMBERS SHALL CONNECT TO LATERAL PIPING UPSTREAM OF CLEANOUT AND NOT TO CLEANOUT.
7. ASTM D3034 DR 26 PIPE (SDR 35 SHALL NOT BE USED)



SECTION PLAN

EMERALD COAST UTILITIES AUTHORITY

SCALE: N.T.S.
DATE: Nov 2025

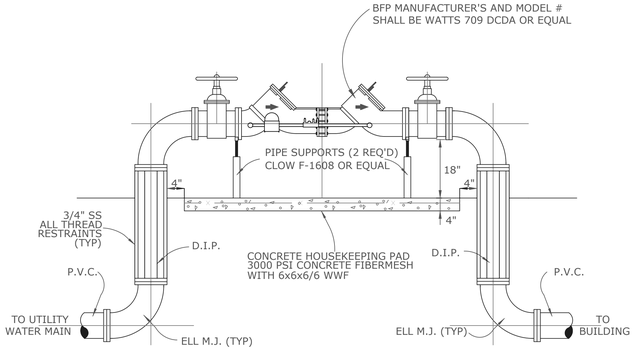
SEWER LATERAL CONNECTION - NEW SERVICES

DETAIL D-1

NOTE:
ALL DEPTHS ARE COMPACTED DEPTHS

GRAVEL ROADWAY AND PARKING DETAIL

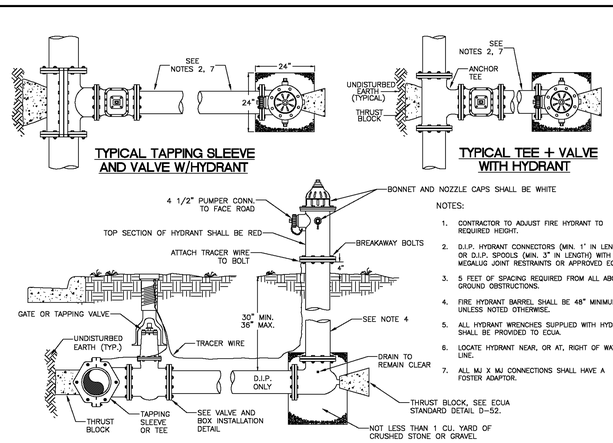
NOT TO SCALE



NOTES:
1. ABOVE GROUND PIPING, VALVES, AND BACKFLOW PREVENTER TO BE INSULATED.
2. SHUTOFF VALVES ON THE FIRE LINE BACKFLOW REVENTER SHALL BE ELECTRONICALLY SUPERVISED WITH TAMPER SWITCHES. CHAINS AND LOCKS ARE NOT ACCEPTABLE, COORDINATE WITH ELECTRICAL PLANS.
3. BACKFLOW PREVENTER ON FIRE LINE SHALL HAVE INDICATING VALVES (OS&Y).
4. METER SHALL BE PROVIDED BY CONTRACTOR PER UTILITY OWNER REQUIREMENTS.
5. THRUST BLOCK/JOINT RESTRAINT ARE NOT SHOWN BUT SHALL BE INSTALLED.
6. UPON COMPLETION OF INSTALLATION BACKFLOW PREVENTER SHALL BE TESTED AND CERTIFIED BY A LICENSED TESTER. PASSING TEST RESULTS SHALL BE PROVIDED TO THE OWNER/ENGINEER.

FIRE LINE BACKFLOW PREVENTER DETAIL

NOT TO SCALE



NOTES:
1. CONTRACTOR TO ADJUST FIRE HYDRANT TO REQUIRED HEIGHT.
2. D.I.P. HYDRANT CONNECTORS (MIN. 1' IN LENGTH) OR D.I.P. SPOOLS (MIN. 3" IN LENGTH) WITH MEGALUG JOINT RESTRAINTS OR APPROVED EQUAL.
3. 5 FEET OF SPACING REQUIRED FROM ALL ABOVE GROUND OBSTRUCTIONS.
4. FIRE HYDRANT BARREL SHALL BE 48" MINIMUM, UNLESS NOTED OTHERWISE.
5. ALL HYDRANT WRENCHES SUPPLIED WITH HYDRANT SHALL BE PROVIDED TO ECUA.
6. LOCATE HYDRANT NEAR, OR AT, RIGHT OF WAY LINE.
7. ALL MJ X MJ CONNECTIONS SHALL HAVE A FOSTER ADAPTOR.

EMERALD COAST UTILITIES AUTHORITY

SCALE: N.T.S.
DATE: Jan 2026

TYPICAL FIRE HYDRANT INSTALLATION

DETAIL D-50

X" (SEE NOTE 3 BELOW) DOT SP 12.5 ASPHALTIC CONCRETE COMPACTED TO A MIN OF 92% OF LAB MAX SPECIFIC GRAVITY AS SPECIFIED BY FM 1-T209

6" GRADED AGGREGATE BASE COMPACTED TO A MIN. OF 100% OF THE MODIFIED PROCTOR PER ASTM D1557 , LBR=100
12" SUBGRADE COMPACTED TO A MIN. OF 98% OF THE MODIFIED PROCTOR PER ASTM D 1557 LBR = 40.0

ASPHALT PAVING SECTION

NOT TO SCALE

NOTES:

1. CONTRACTOR SHALL PROVIDE A PRIME COAT BETWEEN THE BASE MATERIAL AND THE INITIAL LAYER OF ASPHALT.
2. CONTRACTOR SHALL PROVIDE A TACK COAT BETWEEN EACH ASPHALT LIFT.
3. FIRE STATION BY-PASS DRIVE SHALL BE 3" THICK ASPHALT. PASSENGER VEHICLE PARKING LOT AREA SHALL BE 2" THICK ASPHALT.

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

CIVIL DETAILS

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Architecture & Planning
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www.fdaniell.com

REVISIONS
1
2
3
4
5
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DALE ERIC LOND — LICENSE — No 55393 — STATE OF FLORIDA — PROFESSIONAL ENGINEER — 7/10/26

JOB #: 250001-002
DATE: 7/10/2026

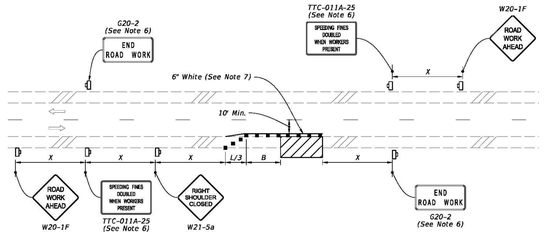
C-703

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ◦ Navarre, Florida 32566 ◦ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

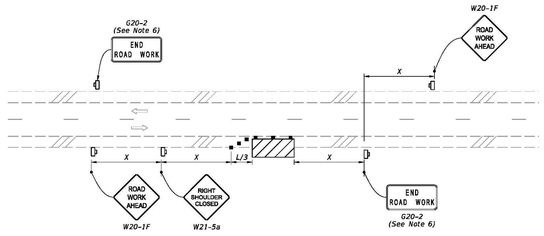
R:\MES\2025\250001-002 Paradise Beach FS\DWG\Sheets\90 Details.dwg, 7/10/2026 10:37:35 AM

NOTE:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work on the shoulder.
2. L = Taper Length
   X = Work Zone Sign Spacing
   B = Buffer Length
   See Index 102-600 for "L", "X", "B", and channelizing device spacing values.
3. Where work activities are between 2' and 15' from the edge of traveled way, the Engineer may omit signs and channelizing devices for work operations 60 minutes or less.
4. When four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), use a flagger or lane closure to accommodate work vehicle ingress and egress.
5. For work less than 2' from the traveled way and work zone speed is greater than 45 MPH, use a lane closure.
6. The "Speeding Fines Doubled When Workers Present" signs (TTC-011A-25) and "End Road Work" Signs (G20-2) along with the associated work zone sign spacing distances may be omitted when the work operation is in place for 24 hours or less.
7. Temporary pavement markings may be omitted when the work operation is in place for 3 days or less.
8. Omit "Shoulder Closed" signs (W21-5a) along with associated work zone sign spacing distances for work on the median.
9. When there is no paved shoulder, the "Worker" sign (W21-1) may be used instead of the "Shoulder Closed" sign (W21-5a).



TWO-LANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS

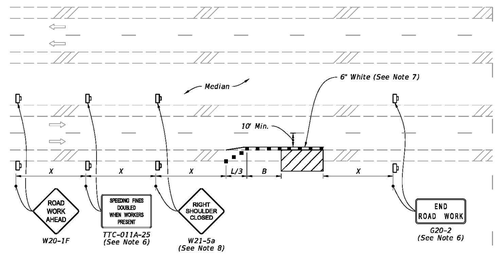


TWO-LANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

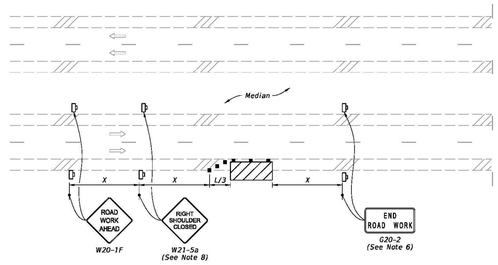
SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/25				102-602	1 of 2



MULTILANE ROADWAY
SHOULDER WORK LESS THAN 2' FROM THE TRAVELED WAY
WITH WORK ZONE SPEED OF 45 MPH OR LESS

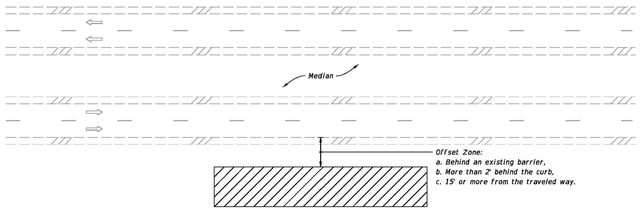


MULTILANE ROADWAY
SHOULDER WORK BETWEEN 2' AND 15' FROM THE TRAVELED WAY

SYMBOLS:

- Work Area
- Channelizing Device (See Index 102-600)
- Work Zone Sign
- Lane Identification and Direction of Traffic

LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE, WORK ON SHOULDER	INDEX	SHEET
11/01/25				102-602	2 of 2



MULTILANE ROADWAY SHOWN, TWO-LANE ROADWAY SIMILAR

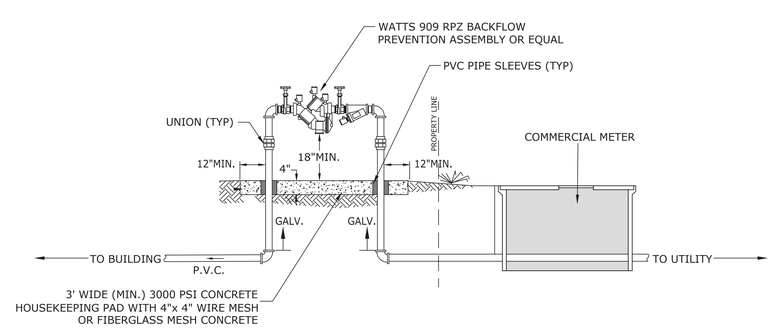
NOTES:

1. This Index applies to Two-Lane, Two-Way and Multilane Roadways, including Medians of divided roadways, with work beyond the shoulder.
2. Use Index 102-602 when the work operation (excluding establishing and terminating the work area) requires that two or more work vehicles cross the Offset Zone in any one hour period.
3. Use Index 102-660 when Work Area encroaches a Sidewalk.

SYMBOLS:

- Work Area
- Lane Identification and Direction of Traffic

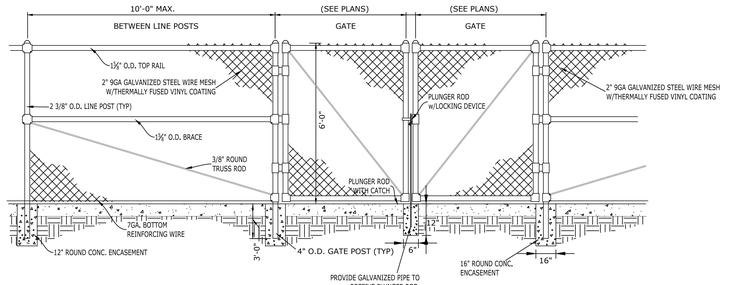
LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	TWO-LANE AND MULTILANE ROADWAY, WORK BEYOND THE SHOULDER	INDEX	SHEET
11/01/20				102-601	1 of 1



NOTES:
1. ABOVE GROUND PIPING, VALVES, AND BACKFLOW PREVENTER TO BE INSTALLED INSIDE INSULATED ENCLOSURE.
2. GALVANIZED RISERS SHALL BE SLEEVED THROUGH THE CONCRETE PAD WITH APPROXIMATELY SIZED PVC PIPES.

COMMERCIAL WATER SERVICE BACKFLOW PREVENTER DETAIL

N.T.S.



6' H GATE DETAIL

N.T.S.

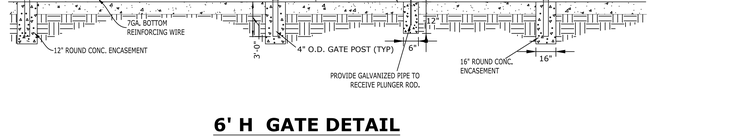
MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ⋄ Navarre, Florida 32566 ⋄ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

CIVIL DETAILS

FORREST DANIELL & Associates, P.C.
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Architecture & Planning
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Daphne, AL 36526
251.625.6490 wk.
251.625.6494 fx.
www.fdaniell.com

REVISIONS

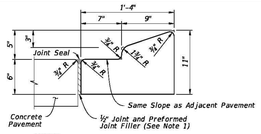


JOB #: 250001-002
DATE: 7/10/2026

C-704

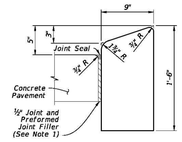
17 of 20

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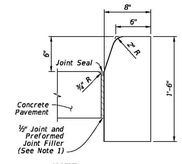
NOTE: For use adjacent to concrete or flexible pavement, concrete shown (See Note 4).

TYPE A



NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

TYPE B

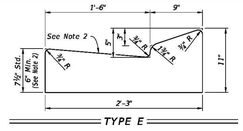


NOTE: For use adjacent to concrete or flexible pavement, concrete shown.

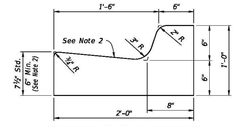
TYPE D

NOTES:

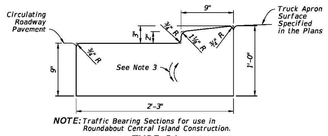
1. For Type A, Type B, and Type D Curb: Expansion joint, preformed joint filler and joint seal are required between curbs and concrete pavement only, see Sheet 3.
2. For Type E, Type F, Drop Curb, and Valley Gutter: When used on high side of roadways, match the cross slope of the gutter to the cross slope of the adjacent pavement. The thickness of the lip is 6", unless otherwise shown on Plans.
3. For Type RA, rotate entire section so that gutter cross slope matches slope of adjacent circulating roadway pavement.
4. For details depicting usage of Type A Curb adjacent to flexible pavement see Sheet 3.



TYPE E

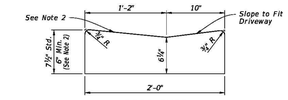


TYPE F

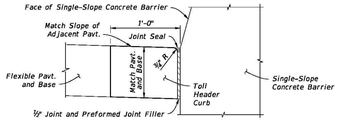


NOTE: Traffic Bearing Sections for use in Roundabout Central Island Construction.

TYPE RA

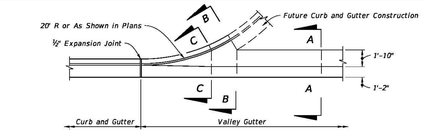


DROP CURB

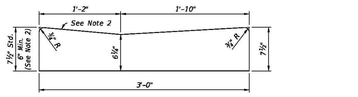


NOTE: See the toll site details for conduit requirements.

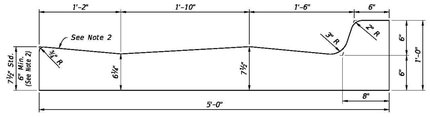
TOLL HEADER CURB



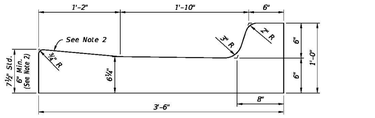
PLAN VIEW



SECTION A-A

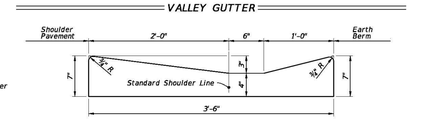


SECTION B-B



SECTION C-C

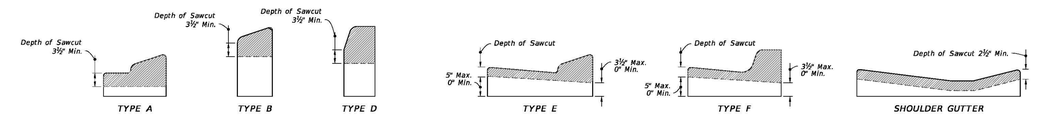
VALLEY GUTTER



SHOULDER GUTTER

CONCRETE CURB AND GUTTER

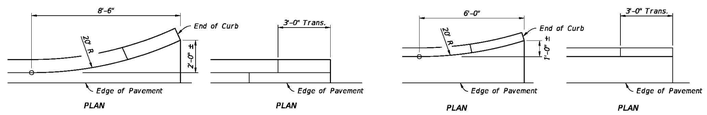
LAST REVISION 11/01/21	REVISION	DESCRIPTION:	FY 2026-27 STANDARD PLANS	CURB AND GUTTER	INDEX 520-001	SHEET 2 of 3

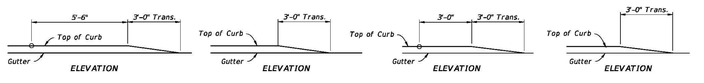


NOTE: Sawcuts should be avoided within valley gutter and within curb and gutter endings.

CONTRACTION JOINTS IN CURB

CONTRACTION JOINTS IN CURB & GUTTER



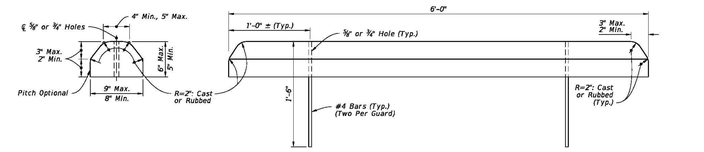


CURB TYPE A

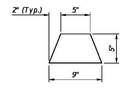
CURB AND GUTTER TYPE E AND TYPE F

NOTE: Ends of Type B and D Curb transition from full to zero heights in 3 ft.

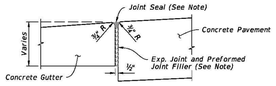
CURB AND CURB & GUTTER ENDINGS



CONCRETE BUMPER GUARD

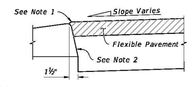


ASPHALTIC CONCRETE CURB



NOTE: Joint Seal application applies to both high and low sides of pavement, low side shown.

EXPANSION JOINT BETWEEN GUTTER AND CONCRETE PAVEMENT



NOTES:

1. Surface on Low Side of Pavement to be 1/4" Above Lip of Gutter. Surface on High Side to be Flush With Lip of Curb or Curb & Gutter.
2. Applies to both high and low sides of pavement, low side shown. Applies to shoulder gutter only where adjoining traffic lanes.

CURB AND GUTTER AND TYPE A CURB ADJACENT TO FLEXIBLE PAVEMENT

CURB AND GUTTER JOINTS AND ENDINGS, CONCRETE BUMPER GUARD, AND ASPHALTIC CONCRETE CURB

LAST REVISION 11/01/21	REVISION	DESCRIPTION:	FY 2026-27 STANDARD PLANS	CURB AND GUTTER	INDEX 520-001	SHEET 3 of 3

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

CIVIL DETAILS

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www.fdaniell.com

REVISIONS

DANIEL ERIC LONG
LICENSE
No 55393
7/10/26
STATE OF FLORIDA
PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

C-705

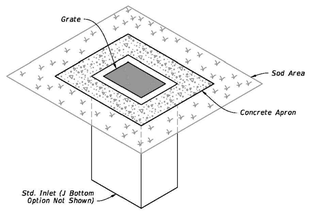
18 of 20

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ○ Navarre, Florida 32566 ○ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

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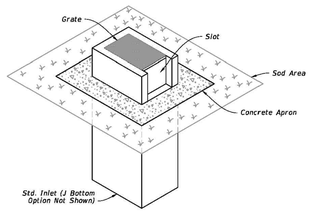
GENERAL NOTES:

1. Work this Index with Index 425-001 and Index 425-010.
2. Chamfer all exposed edges and corners ¾" chamfer or tooled to ¼" radius.
3. All reinforcing is Grade 60 bars with 2" minimum. cover unless otherwise noted. Cut or bend bars for 1½" clearance around pipe opening. Provide one additional #4 bar above and at each side of pipe opening.
4. Use Concrete Apron on inlets without slots and inlets with non-traversable slots only when called for in the Plans.
5. Quantities are for informational and estimating purposes only.
6. Slots are not permitted on sides with grate seats.



DITCH BOTTOM INLET TYPE C TRAVERSABLE

(Without Slot - Type D, E, and H Similar, Pipe Connection Not Shown)

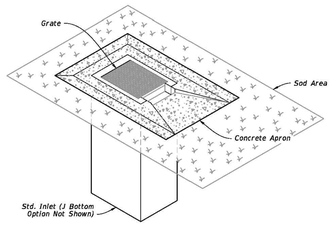


DITCH BOTTOM INLET TYPE C NON-TRAVERSABLE

(Slot > 7" Shown - Type D, E, and H Similar, Pipe Connection Not Shown)

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Type C - Dimensional, Reinforcing, and Grate Details
3	Type D - Dimensional, Reinforcing, and Grate Details
4	Type E - Dimensional, Reinforcing, and Grate Details
5	Type H (2 & 3 Grate) - Dimensional, Reinforcing, and Steel Grate Details
6	Type H (4 Grate) - Dimensional, Reinforcing, and Steel Grate Details
7	Cast Iron Grate Details
8	Non-Traversable Inlet Details
9	Traversable Inlet Without Slot Details
10	Traversable Inlet With Slot Details
11	Case 1 - Add Traversable Slots to Existing Inlets
12	Case 2 - Add Traversable Slots (Partial) to Existing Inlets
13	Case 3 - Add Traversable Slots (Partial) to Existing Inlets and Ditch Block
14	Alternate A Structure Bottom - Top Slab Details



DITCH BOTTOM INLET TYPE C TRAVERSABLE

(Single Slot < 7" Shown, Double Slot, Type D, and E Similar, Pipe Connection Not Shown)

W 18511

5/28/2025

LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
11/01/23					425-052	1 of 14

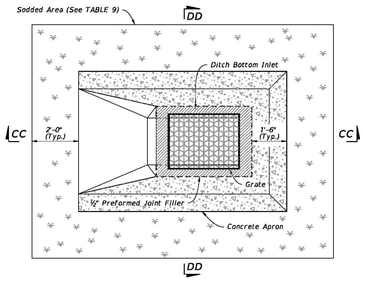


TABLE 9
CONCRETE APRON AND SOD QUANTITIES

SINGLE SLOT

Inlet Type	Sod SY	Conc. CY
C	12	0.77
D	14	0.91
E	14	0.91
H	---	---

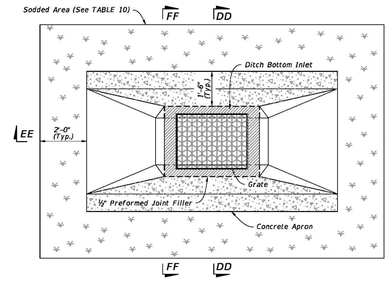
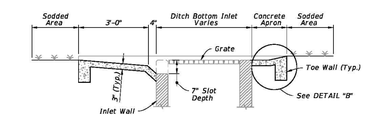


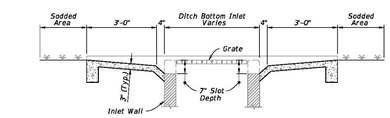
TABLE 10
CONCRETE APRON AND SOD QUANTITIES

SLOT

Inlet Type	Sod SY	Conc. CY
C	16	0.93
D	19	1.10
E	18	1.08
H	---	---

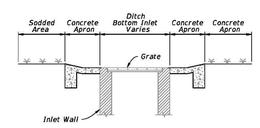


SECTION CC-CC

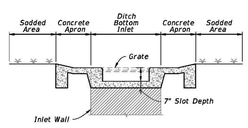


SECTION EE-EE

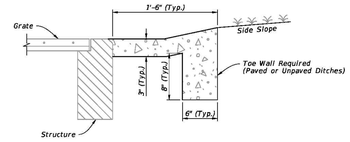
SINGLE SLOT — DOUBLE SLOT



SECTION DD-DD



SECTION FF-FF



DETAIL "B"

NOTE:
Sod always required.

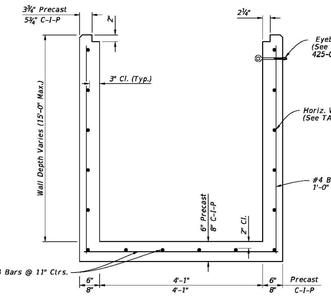
TRAVERSABLE INLET WITH SLOT DETAILS

W 18511

5/28/2025

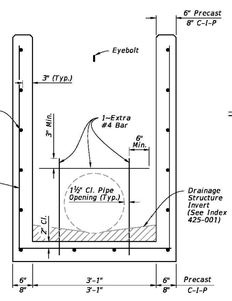
LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
11/01/20					425-052	10 of 14

PLAN



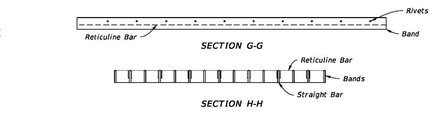
SECTION E-E

(Pipe Opening Not Shown)



SECTION F-F

(Pipe Opening Shown)



SECTION G-G

SECTION H-H

STEEL GRATE DETAIL

(Approx. 190 lbs. - See Sheet 7 For Cast Iron Grates)

TABLE 2
HORIZONTAL WALL REINFORCING SCHEDULE

WALL DEPTH	SCHEDULE	AREA (in.²/ft.)	MAX. SPACING	
			BARS	WWR
0' - 6'	A12	0.20	12"	8"
6' - 10'	A6	0.20	6"	5"
10' - 13'	A4	0.20	4"	3"
10' - 15'	B5.5	0.24	5½"	5"

NOTES:
1. Grate, Concrete Apron, and Sod not shown on structure details.
2. See Sheet 8, 9, and 10 for Concrete Apron and Sodded Area details.
3. Cast Iron Grate is not permitted on inlet Type D.

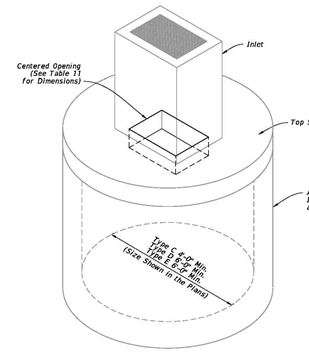
DIMENSIONAL AND REINFORCING DETAILS

TYPE D - DIMENSIONAL, REINFORCING, AND STEEL GRATE DETAILS

W 18511

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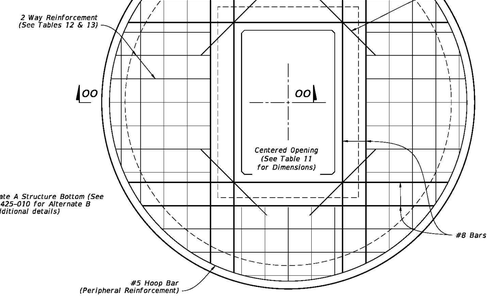
LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
11/01/20					425-052	3 of 14



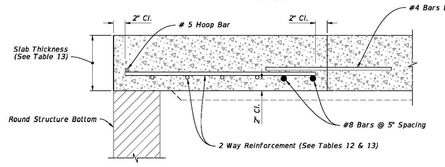
ISOMETRIC VIEW

TABLE 11
TOP SLAB OPENINGS

DIAMETER	OPENING SIZE	
	Min.	Max.
4'-0"	2'-0" x 3'-1"	2'-0" x 3'-1"
5'-0"	2'-0" x 3'-1"	3'-1" x 4'-1"
6'-0"	2'-0" x 3'-1"	3'-0" x 4'-6"
8'-0"	2'-0" x 3'-1"	3'-0" x 4'-6"



PLAN



SECTION OO-OO

TABLE 12
TOP SLAB REINFORCING SCHEDULE

SCHEDULE	GRADE 60 (BAR) OR 65 KSI & 70 KSI (WIRE REINFORCING) In.²/ft.
A	0.20
B	0.24
C	0.37
D	0.53
E	0.73
F	1.06
G	1.45

TABLE 13
TOP SLAB WITH CENTERED OPENING

STRUCTURE DEPTH	SLAB THICKNESS	REINFORCING (2 WAY) SCHEDULE
SIZE: 4'-0"		
≥0.5'<4'0	9½"	B
SIZE: 5'-0"		
≥0.5'<30'	9½"	C
30'-40'	9½"	D
SIZE: 6'-0"		
≥0.5'<8'	9½"	B
8'<18'	9½"	C
18'<30'	9½"	D
30'<37'	9½"	E
37'-40'	9½"	G
SIZE: 8'-0"		
≥0.5'<9'	11½"	C
9'<15'	11½"	D
15'<23'	11½"	E
23'<33'	11½"	E
33'-40'	11½"	G

TOP SLAB REINFORCEMENT DETAILS

ALTERNATE A STRUCTURE BOTTOM - TOP SLAB DETAILS

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LAST REVISION	DESCRIPTION:	FDOT	FY 2026-27 STANDARD PLANS	DITCH BOTTOM INLET TYPES C, D, E, AND H	INDEX	SHEET
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ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

CIVIL DETAILS

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FD&A
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8007 American Way
Daphne, AL 36526
251.625.6490 wk.
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www.fdaniell.com

REVISIONS

DANIEL LEE LONDO — LICENSE — No 55303 — 7/10/2026 — STATE OF FLORIDA — PROFESSIONAL ENGINEER

JOB #: 250001-002
DATE: 7/10/2026

C-706

19 of 20

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ○ Navarre, Florida 32566 ○ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

R:\MES1\2025\250001-002 Paradise Beach FS\DWG\Sheets\90 Details.dwg, 7/10/2026 10:38:14 AM

GENERAL NOTES:

1. Meet the requirements of Specification 700.

2. Shop Drawings:
   This Index is considered fully detailed. Submit Shop Drawings only for minor modifications not detailed in the Plans.

3. BREAKAWAY SUPPORTS REQUIREMENTS: Install non-frangible aluminum column (post) (larger than 3½") with breakaway supports as shown on Sheet 4. Signs shielded by barrier wall or guardrail do not require breakaway support.

4. Aluminum Sign, Wind Beams and Column (Post) Materials:
   A. Aluminum Plates: ASTM B209, Alloy 6061-T6
   B. Aluminum Bars and Extruded Shapes: ASTM B221, Alloy 6061-T6
   C. Aluminum Structural Shapes: ASTM B221 Alloy 6061-T6
   D. Cast Aluminum: ASTM B26 Alloy A356-T6

5. Galvanized Steel Slip Base Stub Materials:
   A. Steel Plate and Structural Shapes: ASTM A36 or ASTM A709, Grade 36

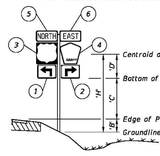
6. Sign Mounting Bolts, Nuts and Washers:
   A. Aluminum Button Head and Flat Head Bolts: ASTM F468 Alloy 2024-T4
   B. Aluminum Hex Nuts: ASTM F467 Alloy 6061-T6 or 6262-T9
   C. Aluminum Washers: ASTM B221, Alloy 7075-T6

7. Stainless Steel Bolts, Nuts and Washers may be used in lieu of the Aluminum button head and flat head bolts as follows:
   A. Stainless Steel Bolts: ASTM Ft 593 Alloy Group 2, Condition A, CW1 or SH1
   B. Stainless Steel Nuts: ASTM F594

8. Sign Column (Post) Bolts, Nuts and Washers:
   A. Galvanized U-Bolt (Column): ASTM A449 or ASTM A193 B7 according to ASTM F2329 with double nuts (nut and lock washer optional).
   B. Aluminum Bolts (Sleeve): ASTM F468, Alloy 6061-T6 or 2024-T4 with Hex Nuts F467 6061-T6 or 6262-T9 and Washers B221, Al clad 2024-T4
   C. Galvanized High Strength Hex Head Bolts (Base Bolts): ASTM F3125, Grade A325, Type 1
   D. Galvanized Hex Nuts: ASTM A563 Grade D
   E. Galvanized Washers: ASTM F436
   F. Galvanized Bolts (Sleeve): ASTM A307 with Galvanized Hex Nuts and Washers

SHEET	CONTENTS
1	General Notes and Design Example
2	Design Example – Centroid
3	Column and Foundation Tables
4	Slip Base and Foundation Details
5	Driven Post, Concrete Stub, and Soil Plate Details
6	Wind Beam Connection
7	Wind Beam Connection for ESU Flip Signs
8	Slam-Latch Detail
9, 10, & 11	Frequently Used Sign Clusters

STEP 1: Calculate the area and the centroid for an individual sign or a sign cluster. Note that the centroid and areas have been calculated for frequently used sign clusters. These are shown on Sheets 7, 8, and 9.



	Size a x b	Local $^{L}\bar{r}_n$	Global $^{G}\bar{r}_n$	Global $^{G}\bar{r}_n$	$^{L}A_n$	$^{L}\bar{r}_n \times {}^{L}A_n$	$^{G}\bar{r}_n \times {}^{L}A_n$
	(in. x in.)	(in.)	(in.)		(in.²)	(in.³)	(in.³)
1	21 x 15	7.5	-10.5-1.5-1.5 = -13.5	7.5	315	-4,252.5	2,362.5
2	21 x 15	7.5	10.5+1.5+1.5 = 13.5	7.5	315	+4,252.5	2,362.5
3	24 x 24	12	-12-1.5 = -13.5	15+1+12 = 28	576	-7,776	16,128
4	24 x 24	12	12+1.5 = 13.5	15+1+12 = 28	436	5,886	12,208
5	24 x 12	6	-12-1.5 = -13.5	15+1+24+1+6 = 47	288	-3,888	13,536
6	24 x 12	6	12+1.5 = 13.5	15+1+24+1+6 = 47	288	3,888	13,536
				TOTALS	2,218	-1,890	60,133

$\Sigma\,(^{L}A_n) = 2,218\ in.^2 = 15.4\ ft.^2$ $\quad \Sigma\,(^{L}\bar{r}_n \times {}^{L}A_n) = -1,890\ in.^3 = -1.09\ ft.^3$ $\quad \Sigma\,(^{G}\bar{r}_n \times {}^{L}A_n) = 60,133\ in.^3 = 34.8\ ft.^3$

$^{L}\bar{r}_c = \dfrac{\Sigma\,(^{L}\bar{r}_n \times {}^{L}A_n)}{\Sigma\,{}^{L}A_n} = -0.1\ ft.$ $\quad ^{G}\bar{r}_c = \dfrac{\Sigma\,(^{G}\bar{r}_n \times {}^{L}A_n)}{\Sigma\,{}^{L}A_n} = 2.26\ ft.$

STEP 2: Determine the height 'H' from groundline to the centroid of the individual sign or sign cluster.
Assume: 'B' = 1 ft., 'C' = 7 ft.
Calculated: $^{L}\bar{r}_c = -0.1$ ft., $^{G}\bar{r}_c =$ 'D' 2.26 ft.

'H' = 'B' + 'C' + 'D' = 10.26 ft. ==> USE 11 ft. $\quad \Sigma\,(^{L}A_n) = 15.4\ ft.^2$ ==> USE 16 ft.²

STEP 3: Refer to the Aluminum Column (Post) Selection Tables and find the intersection point. See Sheet 3.

ALUMINUM COLUMN (POST) SELECTION TABLE
(TYP.)

TOTAL PANEL AREA (SF)	8 ft	9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	16 ft	17 ft	18 ft	19 ft	20 ft
3 sf	2	2.5	2.5	2.5	3	3	3	3	3.5	3.5	3.5	3.5	3.5
4 sf	2.5	2.5	3	3	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3.5
5 sf	2.5	3	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4	4
6 sf	3	3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4	4	4
7 sf	3	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4	4	4	4	4
8 sf	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4	4	4	4	4	4
9 sf	3.5	3.5	3.5	3.5	3.5	3.5	4	4	4	4	4	4	4
10 sf	3.5	3.5	3.5	3.5	3.5	4	4	4	4	4	4	4.5	4.5
11 sf	3.5	3.5	3.5	3.5	4	4	4	4	4	4	4.5	4.5	4.5
12 sf	3.5	3.5	3.5	4	4	4	4	4	4	4	4.5	4.5	4.5
13 sf	3.5	3.5	4	4	4	4	4	4	4	4.5	4.5	4.5	5
14 sf	3.5	3.5	4	4	4	4	4	4	4.5	4.5	4.5	5	5
15 sf	3.5	4	4	4	4	4	4	4.5	4.5	4.5	5	5	5
16 sf	3.5	4	4	4	4	4	4	4.5	4.5	5	5	5	6
17 sf	4	4	4	4	4	4	4.5	4.5	4.5	5	5	6	6
18 sf	4	4	4	4	4	4.5	4.5	4.5	5	5	5	6	6
19 sf	4	4	4	4	4	4.5	4.5	4.5	5	5	6	6	6
20 sf	4	4	4	4	4.5	4.5	4.5	5	5	5	6	6	6
21 sf	4	4	4	4	4.5	4.5	5	5	5	6	6	6	6
22 sf	4	4	4	4.5	4.5	5	5	5	6	6	6	6	6
23 sf	4	4	4	4.5	4.5	5	5	5	6	6	6	6	6
24 sf	4	4	4.5	4.5	4.5	5	5	6	6	6	6	6	6
25 sf	4	4	4.5	4.5	5	5	5	6	6	6	6	8	8
26 sf	4	4.5	4.5	4.5	5	5	5	6	6	6	6	8	8
27 sf	4	4.5	4.5	4.5	5	5	5	6	6	6	6	8	8
28 sf	4	4.5	4.5	5	5	5	5	6	6	6	6	8	8
29 sf	4.5	4.5	4.5	5	5	5	6	6	6	6	6	8	8
30 sf	4.5	4.5	5	5	5	6	6	6	6	6	8	8	8

For 'H' = 11 ft., Area = 16 ft.²

- Refer to the Aluminum Column (Post) Selection Table, from Sheet 3 and shown here for reference.
- To determine the required post size, find the intersection of the row labeled "16 SF" and the column labeled "11 FT". For the example the intersection value is "4" (4" OD).
- In the Column (Post) and Foundation Table, the value "4" shows the design requires a 4.0" diameter and ¼" thick Aluminum Column (Post) and a 2.0" diameter and 3.5' deep Concrete Foundation and 3.0' Stub.

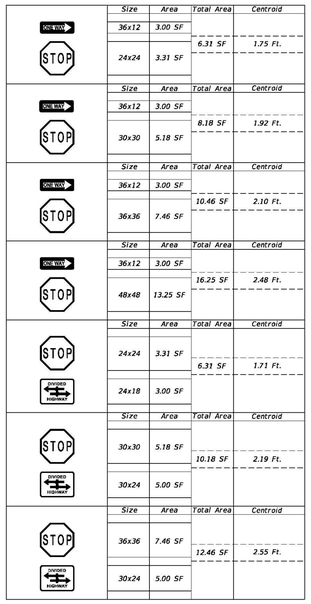
STEP 4: For sign assemblies with signs oriented in two directions, only the sign with the largest area should be analyzed to determine the Column (Post) requirements.

GUIDE TO USE THIS INDEX

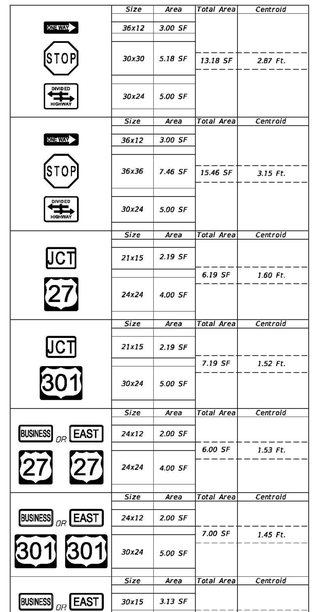
GENERAL NOTES AND DESIGN EXAMPLE

LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	SINGLE COLUMN GROUND SIGNS	INDEX	SHEET
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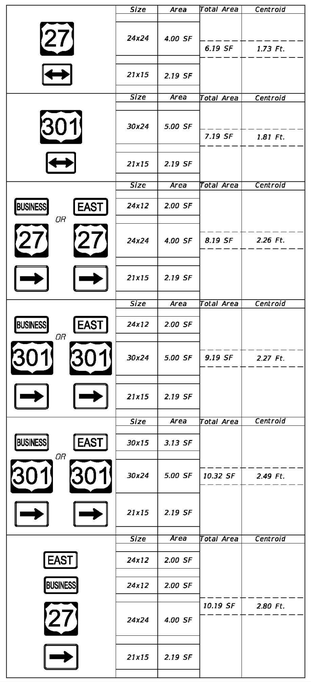
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	Size	Area	Total Area	Centroid
XX'-X"	36x12	3.00 SF	6.31 SF	1.75 Ft.
STOP	24x24	3.31 SF		
XX'-X"	36x12	3.00 SF	8.18 SF	1.92 Ft.
STOP	30x30	5.18 SF		
XX'-X"	36x12	3.00 SF	10.46 SF	2.10 Ft.
STOP	36x36	7.46 SF		
XX'-X"	36x12	3.00 SF	16.25 SF	2.48 Ft.
STOP	48x48	13.25 SF		
STOP	24x24	3.31 SF	6.31 SF	1.71 Ft.
RAISED HIGHWAY	24x18	3.00 SF		
STOP	30x30	5.18 SF	10.18 SF	2.19 Ft.
RAISED HIGHWAY	30x24	5.00 SF		
STOP	36x36	7.46 SF	12.46 SF	2.55 Ft.
RAISED HIGHWAY	30x24	5.00 SF		



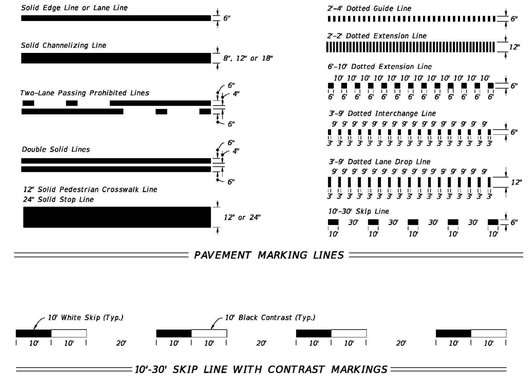
	Size	Area	Total Area	Centroid
XX'-X"	36x12	3.00 SF	13.18 SF	2.87 Ft.
STOP	30x30	5.18 SF		
RAISED HIGHWAY	30x24	5.00 SF		
XX'-X"	36x12	3.00 SF	15.46 SF	3.15 Ft.
STOP	36x36	7.46 SF		
RAISED HIGHWAY	30x24	5.00 SF		
JCT	21x15	2.19 SF	6.19 SF	1.60 Ft.
27	24x24	4.00 SF		
JCT	21x15	2.19 SF	7.19 SF	1.52 Ft.
301	30x24	5.00 SF		
BUSINESS OR EAST	24x12	2.00 SF	6.00 SF	1.53 Ft.
27 27	24x24	4.00 SF		
BUSINESS OR EAST	24x12	2.00 SF	7.00 SF	1.45 Ft.
301 301	30x24	5.00 SF		
BUSINESS OR EAST	30x15	3.13 SF	8.13 SF	1.66 Ft.
301 301	30x24	5.00 SF		



	Size	Area	Total Area	Centroid
27	24x24	4.00 SF	6.19 SF	1.73 Ft.
	21x15	2.19 SF		
301	30x24	5.00 SF	7.19 SF	1.81 Ft.
	21x15	2.19 SF		
BUSINESS OR EAST	24x12	2.00 SF	8.19 SF	2.26 Ft.
27 27	24x24	4.00 SF		
	21x15	2.19 SF		
BUSINESS OR EAST	24x12	2.00 SF	9.19 SF	2.27 Ft.
301 301	30x24	5.00 SF		
	21x15	2.19 SF		
BUSINESS OR EAST	30x15	3.13 SF	10.32 SF	2.49 Ft.
301 301	30x24	5.00 SF		
	21x15	2.19 SF		
EAST BUSINESS	24x12	2.00 SF	10.19 SF	2.80 Ft.
	24x12	2.00 SF		
27	24x24	4.00 SF		
	21x15	2.19 SF		

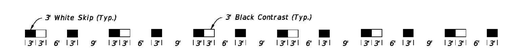
LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	SINGLE COLUMN GROUND SIGNS	INDEX	SHEET
11/01/23				700-010	9 of 11

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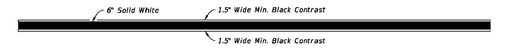


PAVEMENT MARKING LINES

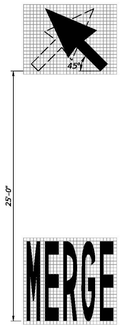
10'-30' SKIP LINE WITH CONTRAST MARKINGS



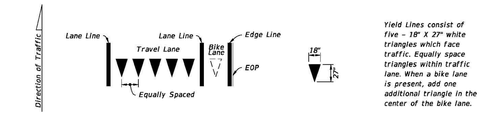
DOTTED LINE WITH ALTERNATING CONTRAST MARKINGS
(3'-9' Dotted Line Shown, Other Dotted Lines Similar)



LONGITUDINAL SOLID LANE LINE WITH CONTRAST MARKINGS
(Not For Use On Edge Lines)



MARKINGS FOR MERGE



Yield Lines consist of five – 18" X 27" white triangles which face traffic. Equally space triangles within traffic lane. When a bike lane is present, add one additional triangle in the center of the bike lane.

YIELD LINES

LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	PAVEMENT MARKINGS	INDEX	SHEET
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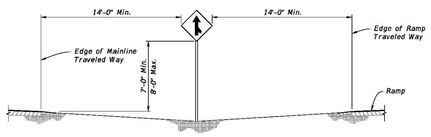
NOTE:
If median width does not allow standard offset from both roadway, center sign in median.

CASE I
Use on Limited Access Roadways

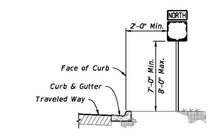
CASE II
Use on Arterial and Collector Roadways, and Limited Access Ramps



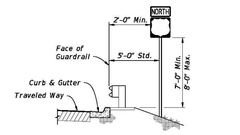
CASE III
Use on Arterial and Collector Roadways



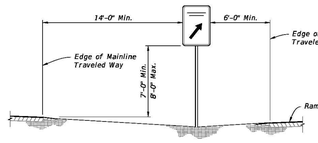
CASE IV
Use on Limited Access Roadways



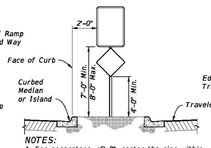
CASE V
Use in Business or Residential Areas Only



CASE VI
Use on Roadways With Signs Behind Guardrail

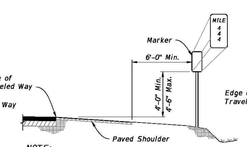


CASE VII
REST AREA AND EXIT GORE SIGNS
Use on Limited Access Roadways



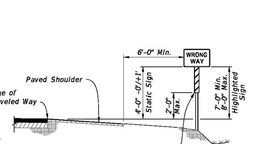
NOTES:
1. For separators <6'-0", center the sign within the separator, center sign column on island.
2. Offset 6'-0" Std. (2'-0" Min.) from Median or Island Nose.

CASE VIII
Use on Island or Curbed Median



NOTE:
For more information refer to Section 2H of the MUTCD.

CASE IX
MILE POST MARKER
Use on Limited Access Roadways



Install Retroreflective Strip in Accordance with Specification 700 (Static Signs Only)

CASE X
WRONG-WAY SIGNS
(See Note 7)

LAST REVISION	DESCRIPTION:	FDOT FY 2026-27 STANDARD PLANS	TYPICAL SECTIONS FOR PLACEMENT OF SINGLE AND MULTI-COLUMN SIGNS	INDEX	SHEET
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9/29/2025 7:56:07 AM

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

CIVIL DETAILS

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REVISIONS

DALE ERIC DANIELL LICENSE No 55393 STATE OF FLORIDA PROFESSIONAL ENGINEER 7/10/2026

JOB #: 250001-002
DATE: 7/10/2026

C-707

20 of 20

MUNICIPAL ENGINEERING SERVICES INC
8574 Turkey Bluff Road ○ Navarre, Florida 32566 ○ p: (850) 939-5732
CERTIFICATE OF AUTHORIZATION: CA-30886

R:\MES\2025\250001-002 Paradise Beach FS\DWG\Sheets\90 Details.dwg, 7/10/2026 10:38:25 AM

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

ESCAMBIA COUNTY · FLORIDA · ALUMA

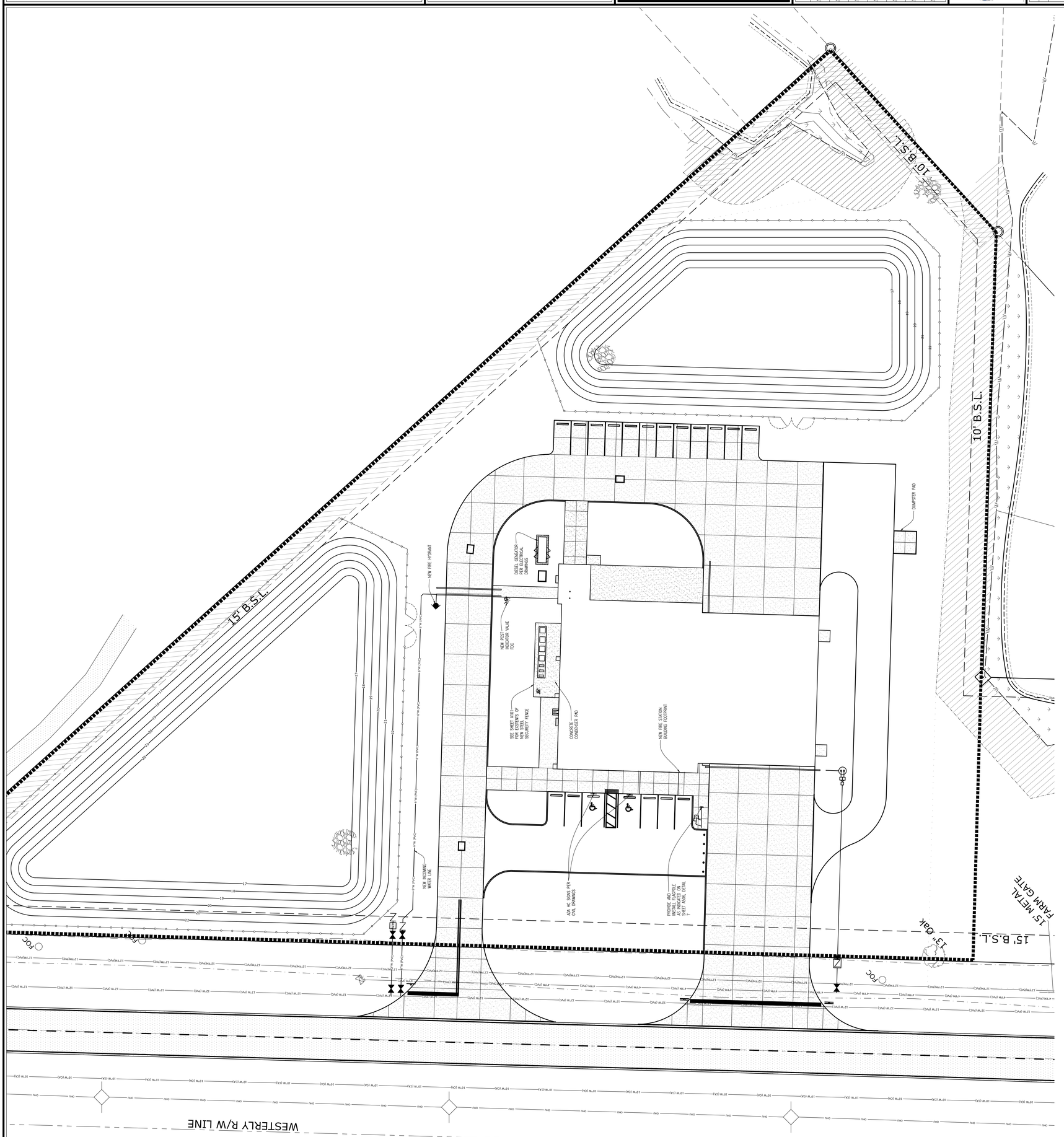
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8007 American Way
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REVISIONS

STATE OF FLORIDA
REGISTERED
ARCHITECT
Alfred T. Daniell, Jr.
AR0017902

JOB #:
DATE: 4/30/2026

A001
ARCHITECTURAL SITE PLAN



GENERAL NOTES

NOTE 1	PROVIDE P.T. 2x BLOCKING IN WALLS BEHIND ALL WALL MOUNTED ACCESSORIES. COORDINATE BLOCKING EXTENTS AND LOCATIONS WITH ACCESSORY INSTALLATION REQUIREMENTS.
NOTE 2	INTERIOR GYP. BOARD AT ALL ROOMS CONTAINING PLUMBING FIXTURES TO BE EQUAL TO GOLD BOND XP MOLD AND MILDEW RESISTANT GYPSUM BOARD.
NOTE 3	ALL INTERIOR METAL STUD WALLS ARE TO RECEIVE BATT INSULATION TO MATCH WALL THICKNESS.
NOTE 4	ALL FASTENERS INTO P.T. WOOD ARE TO BE HOT DIPPED GALVANIZED. WHEN ANY METAL COMES INTO CONTRACT WITH P.T. WOOD, THE WOOD MUST FIRST BE WRAPPED WITH A PEEL AND STICK MEMBRANE SO THAT IT DOES NOT CONTACT THE METAL DIRECTLY.
NOTE 5	AT ALL SIDWALK/FLOOR SLAB TRANSITIONS AT DOORWAYS, THE SIDEWALK SLAB IS TO BE DROPPED 1/4" BELOW THE LEVEL OF THE FINISH FLOOR. TO ALLOW FOR THE 1/4" DEPRESSION A PEMKO ASSA ABLOY 1877 OFFSET SADDLE DOOR THRESHOLD OR EQUAL IS TO BE USED.

ABBREVIATION LIST

MARK	DESCRIPTION
DS	PREFINISHED METAL DOWNSPOUT BY MBM
FD	FLOOR DRAIN W/ COVER GRATE
FFE	FINISH FLOOR ELEVATION
EDF	ELECTRIC DRINKING FOUNTAIN
PREFAB	PREFABRICATED
ALUM	ALUMINUM
FLR	FLOOR
SB	4" DIA X 36" HIGH PAINTED STEEL BOLLARD, FILL W/ CONC

SYMBOL LEGEND

MARK	DESCRIPTION
101	ROOM DESIGNATION
101A	DOOR DESIGNATION
AA	WINDOW DESIGNATION

WALL TYPES

NON-RATED EXTERIOR BRICK VENEER / MBM GIRT WALL
8" WIDE STEEL GIRTS BY MBM GIRTS TO RECEIVE METAL WALL PANEL EXTERIOR SHEATHING. WALL TO RECEIVE R-19 VINYL BACKED INSULATION. EXTERIOR TO RECEIVE BRICK VENEER WITH ADJUSTABLE TIES @ 16" OC, TIED TO METAL WALL PANEL.

NON-RATED INTERIOR PARTITION
3 5/8" OR 6" METAL STUDS @ 16" O.C. W/ (1) LAYER 5/8" GYP. BD. EACH SIDE. SEE DIMENSION PLAN FOR STUD DEPTH.

NON-RATED INTERIOR PARTITION
1 5/8" METAL STUDS @ 16" OC, CLIPPED TO METAL GIRTS @ 8'-0" OC.

2 HOUR RATED INTERIOR PARTITION
6" METAL STUDS @ 16" O.C. W/ (2) LAYERS TYPE X 5/8" GYP. BD. EACH SIDE TO DECK.



FIRST FLOOR AREA: 11,604 SF
MEZZANINE AREA: 1,176 SF

SYMBOL LEGEND

- 101 / A401 — SEE INTERIOR OR EXTERIOR ELEVATION, DETAIL NUMBER LISTED OVER PAGE NUMBER
- 1 / A501 — SEE WALL SECTION OR BUILDING SECTION, DETAIL NUMBER LISTED OVER PAGE NUMBER
- 1 / A105 — SEE ENLARGED PLAN, DETAIL NUMBER LISTED OVER PAGE NUMBER
- X — METAL BUILDING GRID NUMBER

1 / A101 FLOOR PLAN
3/16"=1'-0"

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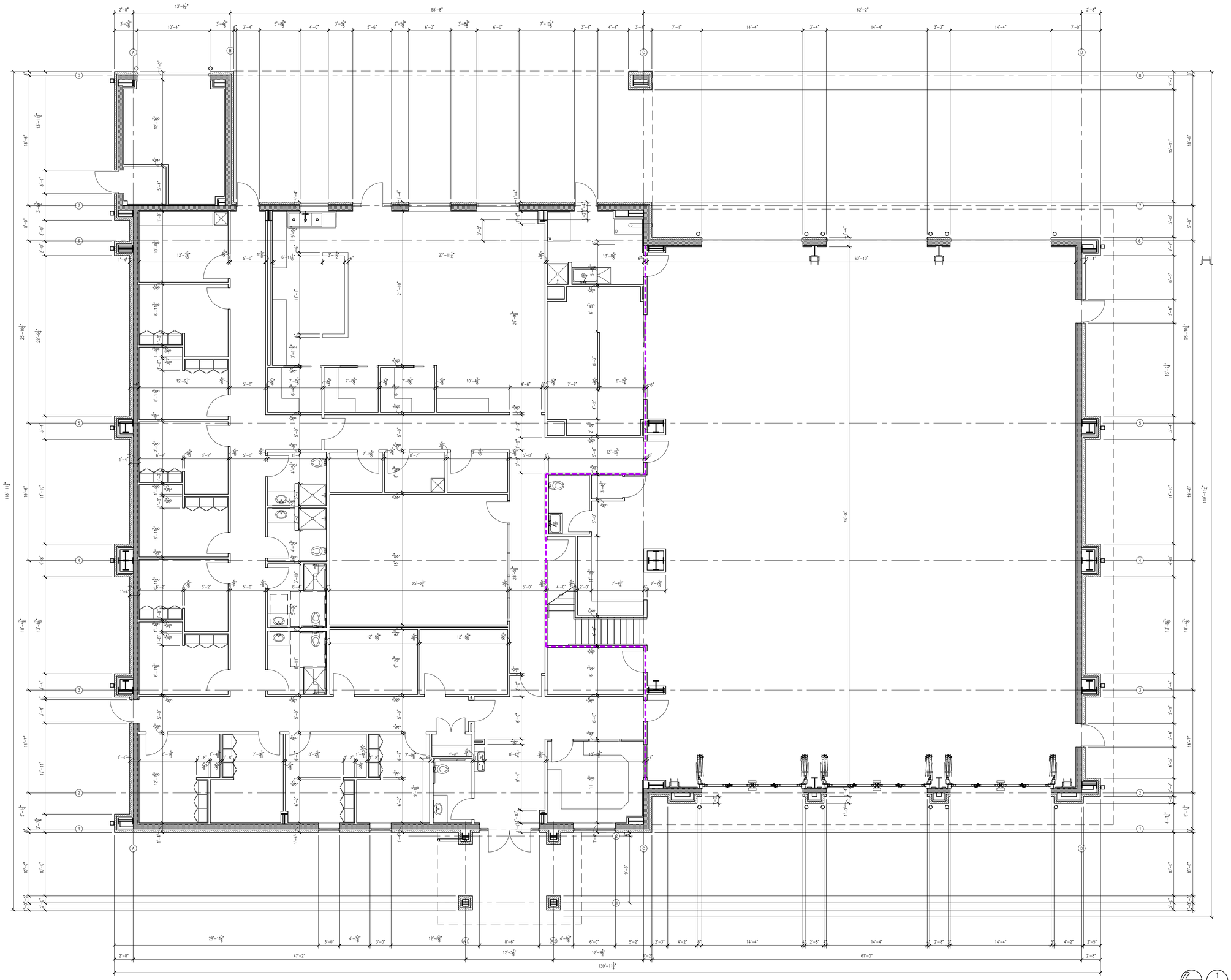
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DEREK C. JOY
AR0017802
REGISTERED ARCHITECT

JOB #:
DATE: 4/30/2026

A101
FLOOR PLAN



1 A102 DIMENSION PLAN

3/16"=1'-0"

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A102

DIMENSION PLAN

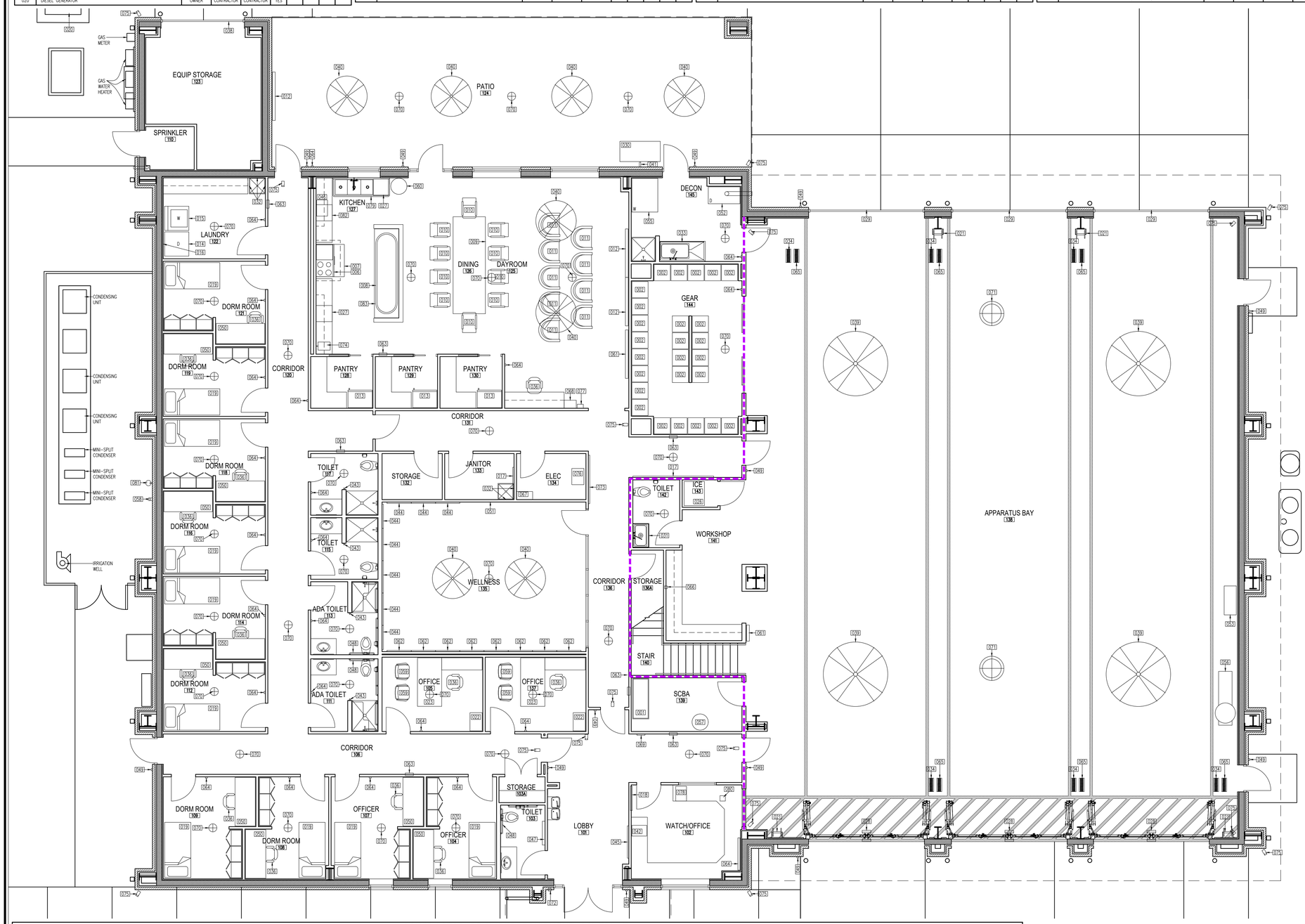
EQUIPMENT SCHEDULE

MARK	DESCRIPTION	PROVIDED BY:	INSTALLED BY:	HOOK UP BY:	POWER	WATER	DRAIN	AIR	NAT GAS
001	CASCADE AIR SYSTEM	OWNER	CONTRACTOR	CONTRACTOR	YES			YES	
002	24"X24" WALL MOUNT GEAR RACK	OWNER	CONTRACTOR	N/A					
003									
004									
005	ICE MAKER CONDENSER UNIT	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES		YES		
006	VULCAN FLOOR STANDING GAS 4 BURNER RANGE W/ GRIDDLE	OWNER	CONTRACTOR	CONTRACTOR	YES				YES
007	CAPTIVAIR SS HOOD/EXHAUST/FIRE SUPPRESSION COMBO UNIT	OWNER	CONTRACTOR	CONTRACTOR	YES				
008	30"W X 10' LONG SS SUSPENDED POT RACK	CONTRACTOR	CONTRACTOR	CONTRACTOR					
009	4'X12' DINING TABLE (10 PERSON)	OWNER	OWNER	N/A					
010	DINING CHAIR	OWNER	OWNER	N/A					
011	RECLINING LOUNGE CHAIR	OWNER	OWNER	N/A					
012	MONITOR W/ WALL MOUNT (INSTALL BLKG IN WALL)	OWNER	CONTRACTOR	CONTRACTOR	YES				
013	36" WIDE REFRIGERATOR WITHOUT ICE MAKER	OWNER	CONTRACTOR	CONTRACTOR	YES				
014	DRYER (RESIDENTIAL)	OWNER	CONTRACTOR	CONTRACTOR	YES			VENT	
015	WASHER (RESIDENTIAL)	OWNER	CONTRACTOR	CONTRACTOR	YES	YES	YES		
016	DRYER EASY CONNECT VENT SYSTEM	CONTRACTOR	CONTRACTOR	CONTRACTOR				VENT	
017	WALL RACK	CONTRACTOR	CONTRACTOR	CONTRACTOR					
018	RECESSED KEY CABINET	CONTRACTOR	CONTRACTOR	CONTRACTOR					
019	XL TWIN BED, BOX SPRING, AND MATTRESS	OWNER	OWNER	N/A					
020	DIESEL GENERATOR	OWNER	CONTRACTOR	CONTRACTOR	YES				

MARK	DESCRIPTION	PROVIDED BY:	INSTALLED BY:	HOOK UP BY:	POWER	WATER	DRAIN	AIR	NAT GAS
021	COX RETRACTABLE HOSE REEL 5/8" X 200'	CONTRACTOR	CONTRACTOR	CONTRACTOR		YES			
022	18"X27" PREFAB METAL FILE CABINET	OWNER	OWNER	OWNER					
023	OFFICE DESK	OWNER	OWNER	OWNER					
024	OFFICE PRINTER	OWNER	OWNER	OWNER	YES				
025									
026	ICE MAKER WITH STORAGE BIN	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES	YES	YES		
027	UNDER COUNTER ICE MAKER	OWNER	CONTRACTOR	CONTRACTOR	YES	YES	YES		
028	14'X14' MOTORIZED FOLDING BAY DOOR, IMPACT RATED	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES				
029	14'X14' MOTORIZED ROLLING BAY DOOR, IMPACT RATED	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES				
030	PORTABLE GAS GRILLE	OWNER	OWNER	OWNER					YES
031	SS UTILITY SINK	CONTRACTOR	CONTRACTOR	CONTRACTOR		YES	YES		
032	16 GA SS BACKSPLASH AT MOP SINK, 36" HIGH	CONTRACTOR	CONTRACTOR	CONTRACTOR		YES	YES		
033	SS UTILITY TABLE W/ INTEGRAL SINK AND DRAINBOARD	CONTRACTOR	CONTRACTOR	CONTRACTOR		YES	YES		
034	GRACO XDX SERIES HOSE REEL (1 AIR) SUSPENDED	CONTRACTOR	CONTRACTOR	CONTRACTOR				YES	
035	ELECTRIC INDOOR AIR HANDLER PER HVAC PLANS	OWNER	CONTRACTOR	CONTRACTOR	YES		YES		
036	ROLLING TASK CHAIR	OWNER	OWNER	OWNER					
037	RAPPELLING ANCHOR	CONTRACTOR	CONTRACTOR	CONTRACTOR					
038	10'X10' INSULATED ROLLING DOOR, NON-MOTORIZED, IMPACT RATED	CONTRACTOR	CONTRACTOR	CONTRACTOR					
039	8' DIA HIGH OUTPUT CEILING FAN	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES				
040	5' DIA EXTERIOR CEILING FAN	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES				
041	NATURAL GAS QUICK CONNECT FOR PORTABLE GAS GRILLE	CONTRACTOR	CONTRACTOR	CONTRACTOR					YES

MARK	DESCRIPTION	PROVIDED BY:	INSTALLED BY:	HOOK UP BY:	POWER	WATER	DRAIN	AIR	NAT GAS
042	DESK MOUNTED COPY MACHINE	OWNER	OWNER	OWNER	YES				
043	WALL MOUNTED TOWEL HOOK	CONTRACTOR	CONTRACTOR	CONTRACTOR					
044	WALL MOUNTED MIRROR	CONTRACTOR	CONTRACTOR	CONTRACTOR					
045	WALL MOUNTED BUILDING PLAQUE (ADD BLOCKING IN WALL)	CONTRACTOR	CONTRACTOR	CONTRACTOR					
046	COUNTERTOP MICROWAVE	OWNER	OWNER	OWNER	YES				
047	WALL MOUNTED BABY CHANGING STATION	CONTRACTOR	CONTRACTOR	CONTRACTOR					
048	18", 36", AND 42" ADA GRAB BARS	CONTRACTOR	CONTRACTOR	CONTRACTOR					
049	FOB/CARD READER FOR DOOR ACCESS CONTROL	OWNER	OWNER	OWNER	LV				
050	72" WIDE PERSONAL DESK	OWNER	OWNER	OWNER					
051	EACH STUD SPACE TO BE REINFORCED WITH BLOCKING FOR MOUNTING	CONTRACTOR	CONTRACTOR	CONTRACTOR					
052	READY RACK SMART DRY 4 DRYING CABINET	OWNER	CONTRACTOR	CONTRACTOR	YES			VENT	
053	APPARATUS BAY FLAMMABLE LOCKER	OWNER	OWNER	OWNER					
054	SURFACE MOUNT SPEAKER (RECESS MOUNT IN BRICK VENEER)	OWNER	OWNER	OWNER					
055	READY RACK SMART WASH EXTRACTOR	OWNER	CONTRACTOR	CONTRACTOR	YES	YES	YES		
056	ENGINE BAY HOSE RACK WITH ROLLER	OWNER	OWNER	OWNER					
057	AIR COMPRESSOR	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES			YES	
058	EXTERIOR MOUNTED DISTRUBUTED ANTENNA SYSTEM	OWNER	OWNER	OWNER					
059	OFFICE CHAIR	OWNER	OWNER	OWNER					
060	TRASH CAN	OWNER	OWNER	OWNER					
061	WALL MOUNT MONITOR FOR ALERTING SYSTEM	OWNER	CONTRACTOR	CONTRACTOR	YES				
062	36"W X 48"H WALL MOUNT ACOUSTICAL PANEL	CONTRACTOR	CONTRACTOR	CONTRACTOR					

MARK	DESCRIPTION	PROVIDED BY:	INSTALLED BY:	HOOK UP BY:	POWER	WATER	DRAIN	AIR	NAT GAS
063	SEMI-RECESSED FIRE EXTINGUISHER CABINET W/ EXTINGUISHER	CONTRACTOR	CONTRACTOR	CONTRACTOR					
064	SPEAKER VOLUME CONTROL	OWNER	OWNER	OWNER	LV				
065	GRACO SD 10 SERIES 95' 120V CORD REEL	CONTRACTOR	CONTRACTOR	CONTRACTOR	YES				
066	WALL MOUNT AIR FITTING	CONTRACTOR	CONTRACTOR	CONTRACTOR				YES	
067	STATION CONTROLLER / COMPUTER	OWNER	OWNER	OWNER	P/LV				
068	MASTER ROOM REMOTE	OWNER	OWNER	OWNER	P/LV				
069	FIRE ALARM ADDRESSIBLE PANEL	CONTRACTOR	CONTRACTOR	CONTRACTOR	P/LV				
070	CEILING FLUSH MOUNTED SPEAKER	OWNER	OWNER	OWNER	LV				
071	CEILING SURFACE MOUNT SOUND SPHERE SPEAKER	OWNER	CONTRACTOR	CONTRACTOR	P/LV				
072	KNOX BOX (RECESS MOUNT IN BRICK VENEER)	CONTRACTOR	CONTRACTOR	CONTRACTOR					
073	WALL MOUNTED CITY MAP	OWNER	OWNER	OWNER					
074	BUNN COFFEE MAKER W/ CONNECTED WATER LINE	OWNER	CONTRACTOR	CONTRACTOR	YES	YES			
075	SECURITY CAMERA	OWNER	OWNER	OWNER					
076	IT RACK	OWNER	OWNER	OWNER	P/LV				
077	TIME CLOCK	OWNER	OWNER	OWNER	YES				
078	RADIO CHARGING STATION	OWNER	OWNER	OWNER	YES				
079	STAINLESS STEEL TRIPLE DISHWASH SINK W/ DRAINBOARD AND SHELF	CONTRACTOR	CONTRACTOR	CONTRACTOR		YES	YES		
080	ALERT MONITOR	OWNER	OWNER	OWNER	P/LV				
081	EXTERIOR FIRE EXTINGUISHER WITH BRACKET MOUNT TO BRICK	CONTRACTOR	CONTRACTOR	CONTRACTOR					
082	UNDER COUNTER DISHWASHER	OWNER	CONTRACTOR	CONTRACTOR	YES	YES	YES		
083	11'X3' STAINLESS ROLLING TABLE W/DRAWERS/OPEN SHELVING,BSPLASH	CONTRACTOR	CONTRACTOR	CONTRACTOR					



CONTRACTOR PROVIDED EQUIPMENT SCHEDULE

MARK	DESCRIPTION	SPECIFICATION	MARK	DESCRIPTION	SPECIFICATION	MARK	DESCRIPTION	SPECIFICATION
008	30"W X 10' LONG SS SUSPENDED POT RACK	REGENCY 120" SS CEILING MOUNTED POT RACK W/ 21 DOUBLE PRONG HOOKS	033	SS UTILITY TABLE W/ INTEGRAL SINK AND DRAINBOARD	SEE PLUMBING SCHEDULE	065	ELECTRICAL CORD REEL	COXREELS PC10-3016-F SPRING DRIVEN POWER CORD REEL
013	36" WIDE REFRIGERATOR WITHOUT ICE MAKER	GE 17.5 CUBIC FOOT WHITE TOP FREEZER REFRIGERATOR #GTS18GNRWW	034	GRACO XDX SERIES HOSE REEL (1 AIR) SUSPENDED	GRACO XDX SERIES PNEUMATIC	072	KNOX BOX	KNOXBOX 3200 WALL MOUNT
016	DRYER EASY CONNECT VENT SYSTEM	MV-180 MAGNETIC DRYER VENT COUPLING	037	RAPELLING ANCHOR	SWIVELING ANCHOR BY FIRE FACILITIES	079	SS TRIPLE DISHWASH SINK	SEE PLUMBING SCHEDULE
017	WALL RACK	SEE DETAIL 8/A506	043	WALL MOUNTED TOWEL HOOK	DELTA TRINSIC DOUBLE SS TOWEL HOOK	083	SS 11'X3' ROLLING TABLE	ADVANCE TABCO WITH LOCKING CASTERS, 4 DRAWERS, AND LOWER UTILITY SHELF
018	RECESSED KEY CABINET	BARSKA ADJUSTABLE KEY CABINET LOCK BOX, 400 POSITIONS	044	WALL MOUNTED MIRROR, 5 SEGMENTS TO MAKE 18" LONG X 8" TALL	BOBRICK FRAMELESS MIRROR W/ SQUARE EDGE			
021	WATER HOSE REEL	COXREELS HAND CRANK 1/2" X 200' HOSE #1125-4-200	047	WALL MOUNTED BABY CHANGING STATION	KOALA KB300 HORIZONTAL SURFACE MOUNT			
026	ICE MACHINE W/005 REMOTE CONDENSER	MANITOWOC INDIGO NXT IF0500N ICE CUBE MACHINE	057	AIR COMPRESSOR	SEE PLUMBING SCHEDULE			
031	SS UTILITY SINK	SEE PLUMBING SCHEDULE	062	36"W X 48"H WALL MOUNT ACOUSTICAL PANEL	ABSORPTIVE WALL MOUNT PANELS BY ACOUSTICMAC OR EQUAL			

EQUIPMENT PLAN

1 / A103 — 3/16"=1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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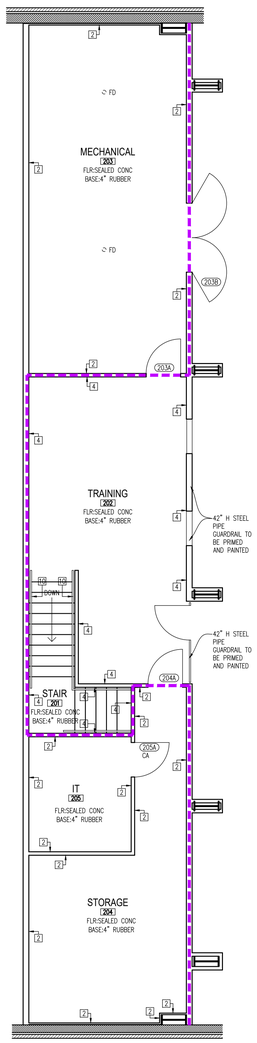
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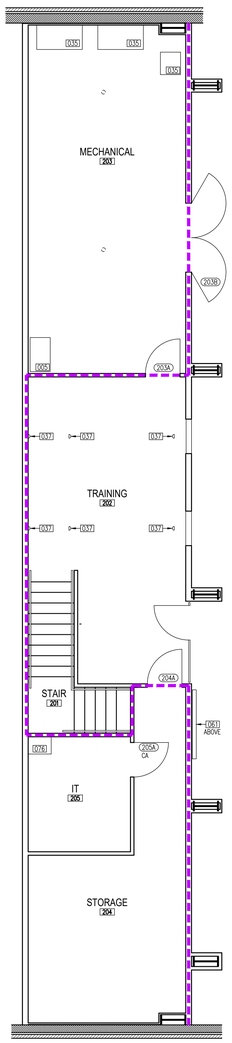
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A103
EQUIPMENT PLAN



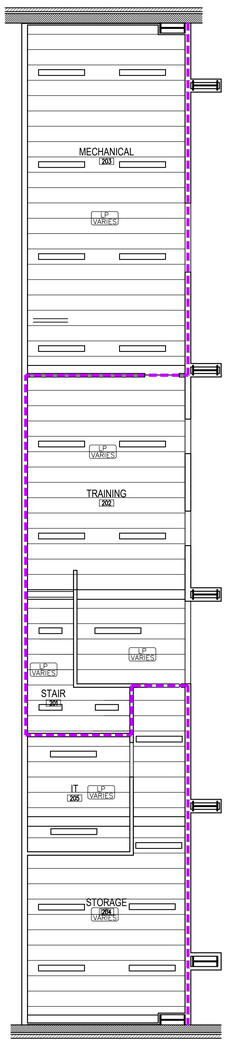
1 A104 MEZZANINE PLAN

3/16"=1'-0"



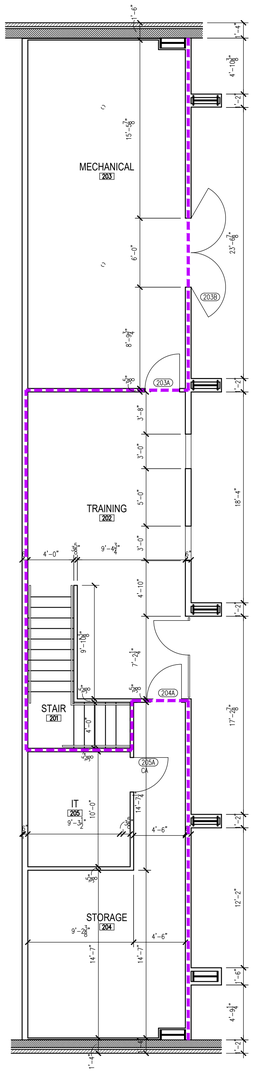
2 A104 MEZZANINE EQUIPMENT PLAN

3/16"=1'-0"



3 A104 MEZZANINE RCP PLAN

3/16"=1'-0"



4 A104 MEZZANINE DIMENSION PLAN

3/16"=1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

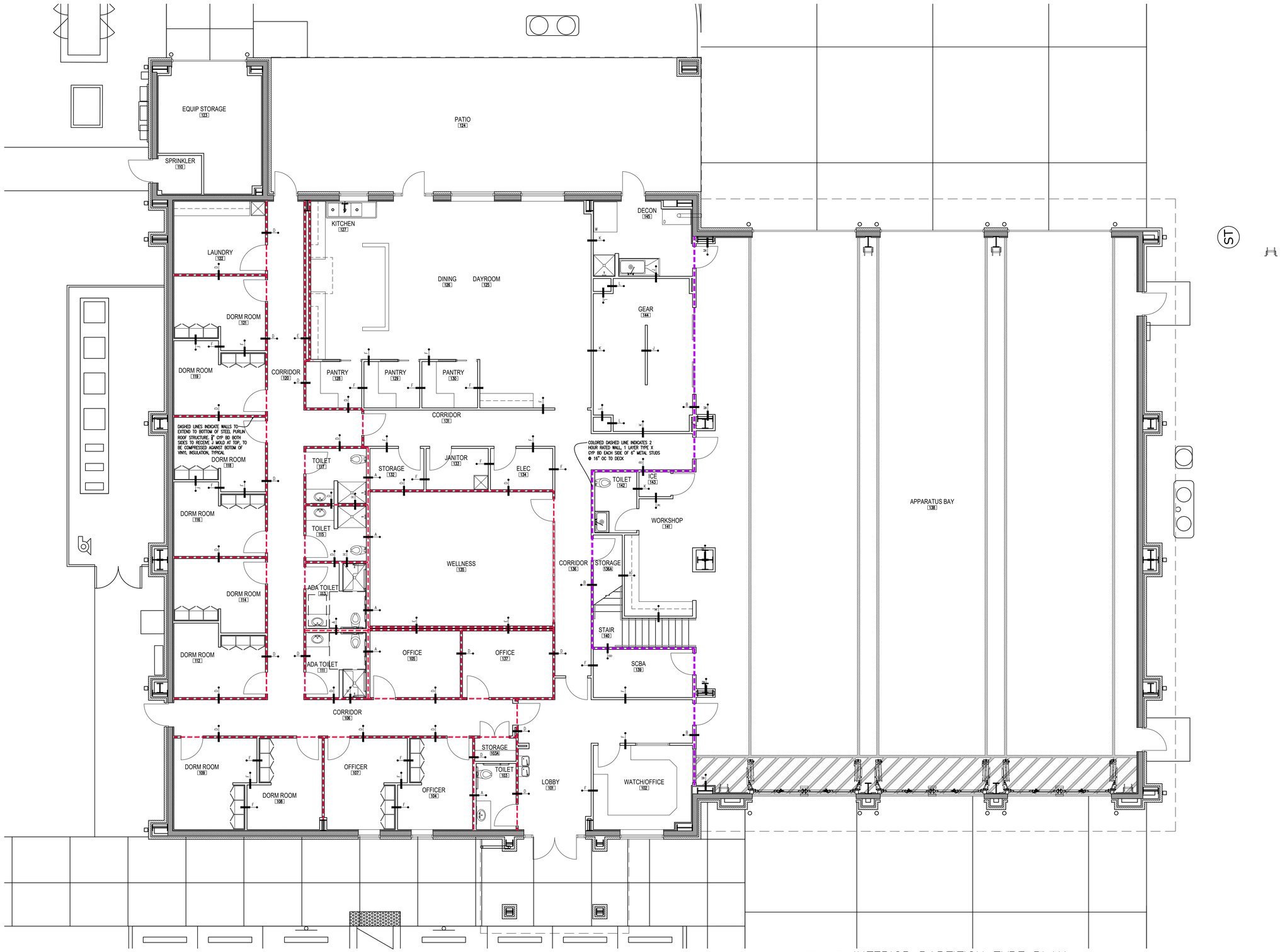
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A104
MEZZANINE PLANS



1 A105 INTERIOR PARTITION TYPE PLAN

3/16"=1'-0"

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DATE: 4/30/2026

A105

INTERIOR PARTITION TYPE PLAN

FLOORING LEGEND

DESIGNATION	MATERIAL
SEALED CONCRETE	
4" RUBBER BASE	JOHNSONITE MILLWORK WALL BASE 4.25" X .25" "REVEAL"
QUARRY TILE	6X6 DALTILE QUARRY TEXTURES, ASHEN GRAY 0103, MATTE (GROUT: BOSTICK CHAR BLACK H139)
6" QUARRY TILE BASE	6X6 DALTILE QUARRY TEXTURES BULLNOSE COVE TILE, ASHEN GRAY 0103, MATT
PORCELAIN TILE	6X6 DALTILE VOLUME 1.0, VAPOR VL63 MATTE (GROUT: BOSTICK MISTY GRAY H144)
PORCELAIN TILE BASE	6X12 DALTILE VOLUME 1.0, VAPOR VL63 MATTE
NOEGARD EPOXY	NEOGARD 70714/70715 2K EPOXY OVER NEOGARD PRIMER (SLIGHT AGGREGATE NON-SLIP)
SOLID SURFACE COUNTERTOPS	CORIAN NEUTRAL AGGREGATE
LAMINATE CABINETS	WILSONART PORTICO TEAK 8210K-28 GLOSS LINE FINISH
WALL COLOR	SHERWIN WILLIAMS AGREEABLE GRAY SW7029
CULTURED MARBLE SHOWERS	PALE GRAY ONYX (KERRICO)
SEALED CONCRETE	DAYTON ULTRA SEAL EF
SEALED CONCRETE 2	SIKAGARD-707W
RUBBER SPORTS FLOORING	ROBBINS GALAXY XTREME

WALL FINISH LEGEND

DESIGNATION	MATERIAL
1	1 COAT PRIMER, 2 COATS SATIN LATEX OVER 5/8" GYP BOARD
2	1 COAT PRIMER, 2 COATS SATIN LATEX OVER 5/8" MOISTURE RESISTANT GYP BOARD
3	14" FRP OVER 1 COAT PRIMER OVER 5/8" MOISTURE RESISTANT GYP BOARD.
4	CEILING HEIGHT FRP OVER 1 COAT PRIMER OVER 5/8" MOISTURE RESISTANT GYP BOARD.
5	1 COAT PRIMER, 2 COATS SINGLE PART EPOXY PAINT OVER MOISTURE RESISTANT 5/8" GYP BOARD
6	PROVIDE 36" HEIGHT STAINLESS STEEL WALL PLATE AT INDICATED LOCATION, SEAL TO JANITOR'S SINK
7	CULTURED MARBLE FROM FLOOR TO 8'-4" HIGH OVER 1/2" CEMENT BACKER BOARD
8	SCHLUTER-RENO-U TILE EDGE TRIM TO BE INSTALLED AT NOTED LOCATIONS.
9	1 COAT PRIMER, 2 COATS SATIN LATEX OVER 5/8" ABUSE RESISTANT GYP BOARD
10	1 COAT PRIMER, 2 COATS SEMI-GLOSS LATEX OVER STEEL PIPE HANDRAIL

EQUIP STORAGE 123 FLR:SEALED CONC BASE:4" RUBBER
SPRINKLER 119 FD
LAUNDRY 122 FLR:EPOXY1 BASE:4" EPX
PATIO 124 FLR: BROOM FINISH SEALED CONC
KITCHEN 120 FLR:QUARRY TILE BASE:5" Q TILE
DINING 126 DAYROOM 125 FLR:SEALED CONC BASE:4" RUBBER
DECON 146 FLR:SEALED CONC BASE:4" RUBBER
GEAR 144 FLR:SEALED CONC BASE:4" RUBBER
DORM ROOM 118 FLR:SEALED CONC BASE:4" RUBBER
DORM ROOM 117 FLR:SEALED CONC BASE:4" RUBBER
CORRIDOR 121 FLR:SEALED CONC BASE:4" RUBBER
PANTRY 128 FLR:SEALED CONC BASE:4" RUBBER
PANTRY 129 FLR:SEALED CONC BASE:4" RUBBER
PANTRY 130 FLR:SEALED CONC BASE:4" RUBBER
CORRIDOR 131 FLR:SEALED CONC BASE:4" RUBBER
DORM ROOM 116 FLR:SEALED CONC BASE:4" RUBBER
TOILET 127 FLR:EPOXY1 BASE:4" EPX
STORAGE 132 FLR:SEALED CONC BASE:4" RUBBER
JANITOR 133 FLR:SEALED CONC BASE:4" RUBBER
ELEC 134 FLR:SEALED CONC BASE:4" RUBBER
TOILET 115 FLR:EPOXY1 BASE:4" EPX
DORM ROOM 114 FLR:SEALED CONC BASE:4" RUBBER
WELLNESS 135 FLR:RUBBER SPORTS FLOORING BASE:4" RUBBER
ADA TOILET 113 FLR:EPOXY1 BASE:4" EPX
DORM ROOM 112 FLR:SEALED CONC BASE:4" RUBBER
ADA TOILET 111 FLR:EPOXY1 BASE:4" EPX
OFFICE 105 FLR:SEALED CONC BASE:4" RUBBER
OFFICE 137 FLR:SEALED CONC BASE:4" RUBBER
CORRIDOR 106 FLR:SEALED CONC BASE:4" RUBBER
TOILET 143 FLR:EPOXY1 BASE:4" EPX
ICE 143 FLR:SEALED CONC BASE:4" RUBBER
WORKSHOP 141 FLR:SEALED CONC BASE:4" RUBBER
CORRIDOR 136 FLR:SEALED CONC BASE:4" RUBBER
STORAGE 136A FLR:SEALED CONC BASE:4" RUBBER
STAIR 140
SCBA 138 FLR:SEALED CONC BASE:4" RUBBER
APPARATUS BAY 139 FLR:SEALED CONC 2 BASE:4" RUBBER
4" STRIPES TO BE FORMED BY APPLYING NEOGUARD EPOXY FLOORING AND PRIMER OVER CONC SLAB
DORM ROOM 109 FLR:SEALED CONC BASE:4" RUBBER
DORM ROOM 108 FLR:SEALED CONC BASE:4" RUBBER
OFFICER 107 FLR:SEALED CONC BASE:4" RUBBER
OFFICER 104 FLR:SEALED CONC BASE:4" RUBBER
STORAGE 103A
TOILET 103 FLR:EPOXY1 BASE:4" EPX
LOBBY 101 FLR:SEALED CONC BASE:4" RUBBER
WATCH/OFFICE 102 FLR:SEALED CONC BASE:4" RUBBER
FLR:BROOM FINISH SEALED CONC

1 A105 FINISH PLAN
3/16"=1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

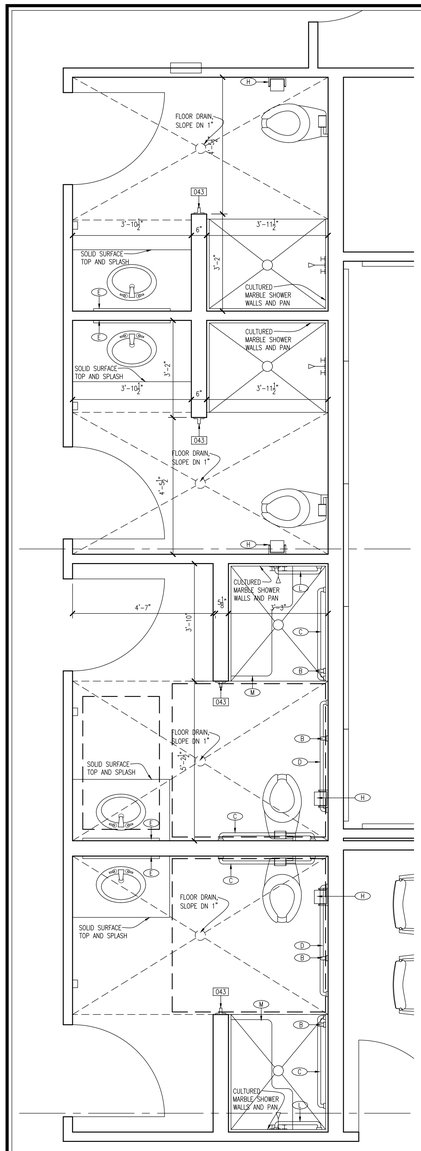
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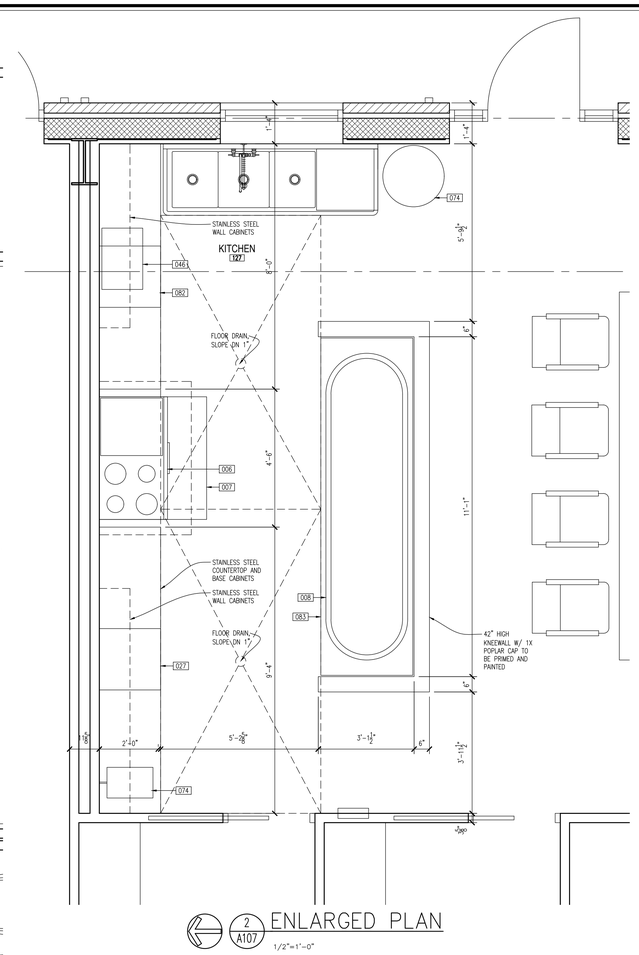
STATE OF FLORIDA
FORREST CHILTON DANIELL
AR0017802
REGISTERED ARCHITECT

JOB #:
DATE: 4/30/2026

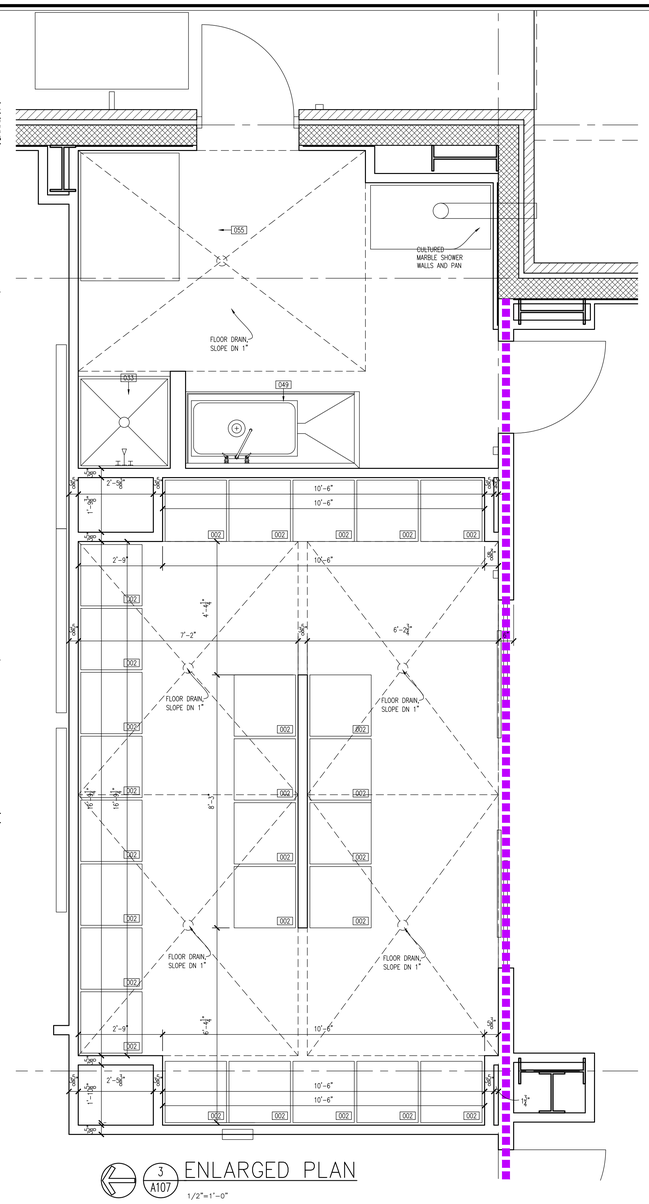
A106
FINISH PLAN



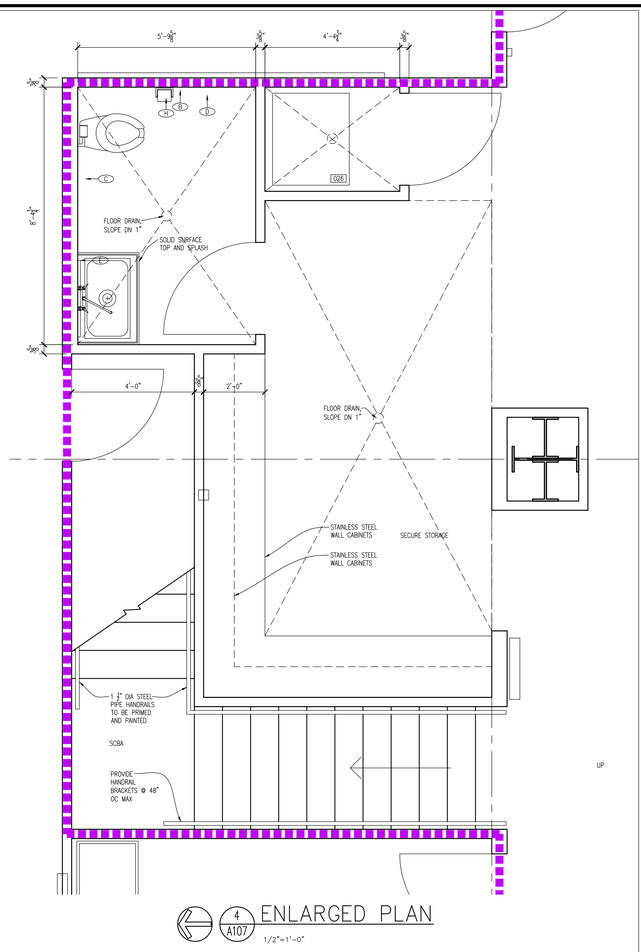
1 A107 ENLARGED PLAN
1/2"=1'-0"



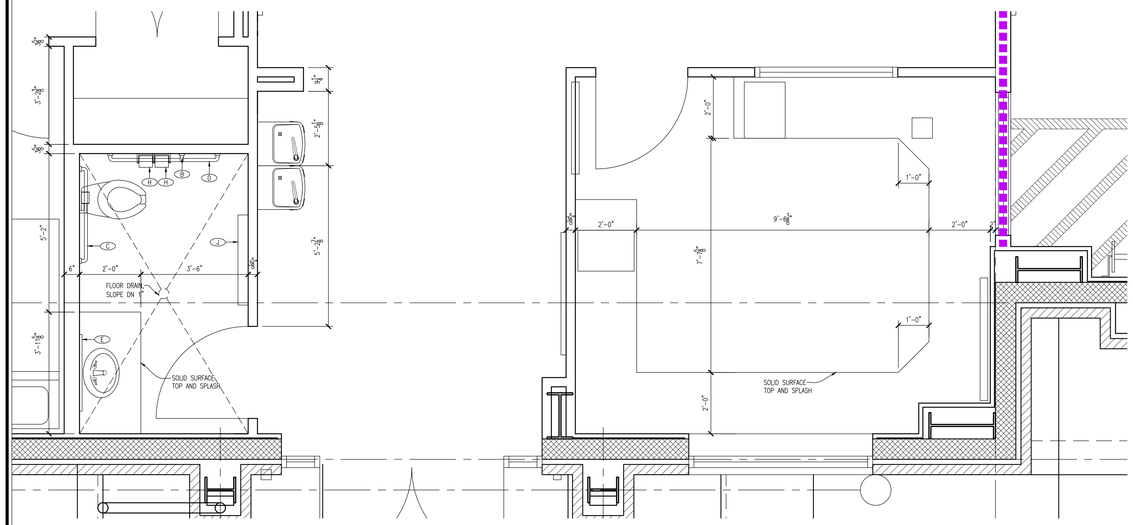
2 A107 ENLARGED PLAN
1/2"=1'-0"



3 A107 ENLARGED PLAN
1/2"=1'-0"



4 A107 ENLARGED PLAN
1/2"=1'-0"



5 A107 ENLARGED PLAN
1/2"=1'-0"

TOILET ACCESSORY LEGEND	
TYPE MARK	DESCRIPTION
A	BOBRICK B-38030 RECESSED PAPER TOWEL DISPENSER & WASTE DISPOSAL, OR APPROVED EQUAL
B	BOBRICK 18" VERT. GRAB BAR, OR APPROVED EQUAL
C	BOBRICK B-6806.99 36" GRAB BAR, OR APPROVED EQUAL
D	BOBRICK B-6806.99 42" GRAB BAR, OR APPROVED EQUAL
E	BOBRICK B-290 3636 FRAMED MIRROR, OR APPROVED EQUAL
F	BOBRICK B-7689 CLASSIC TWO ROLL TOILET PAPER DISPESER, OR APPROVED EQUAL
G	BOBRICK B-290 2436 FRAMED MIRROR, OR APPROVED EQUAL
H	BOBRICK B-7685 CLASSIC SINGLE ROLL TOILET PAPER DISPESER, OR APPROVED EQUAL
J	KOALA KB300-SS SURFACE MOUNTED BABY CHANGING STATION
K	BOBRICK B-6806.99 30" GRAB BAR, OR APPROVED EQUAL
L	BOBRICK B-6806.99 18" GRAB BAR, OR APPROVED EQUAL
M	BOBRICK FOLDING SHOWER SEAT, SIZE VARIES PER SHOWER

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

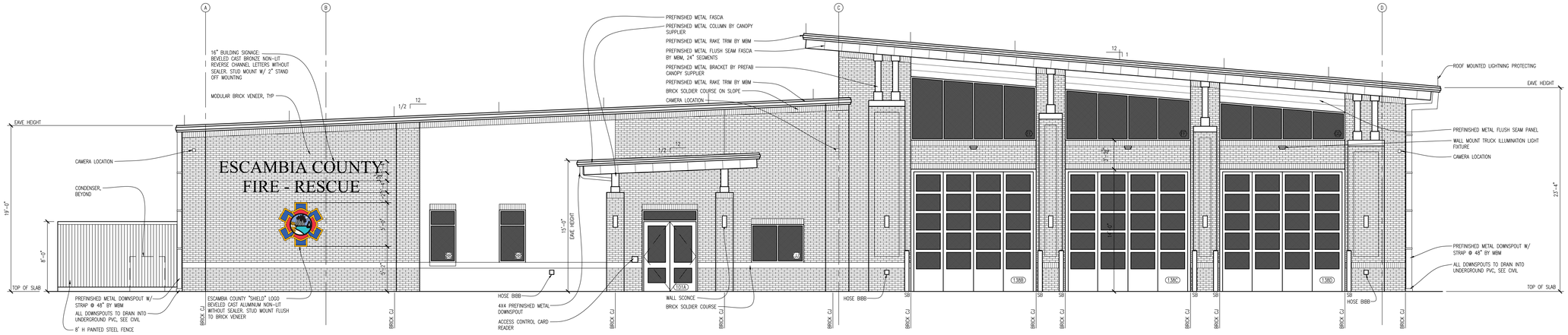
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FORREST CHELSON DANIELL
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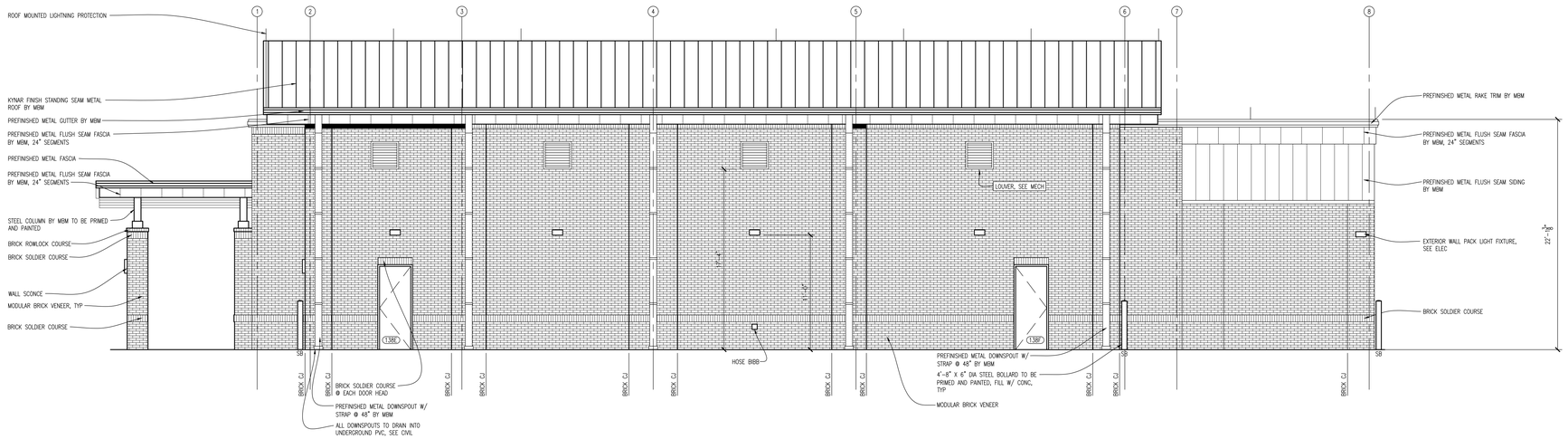
JOB #:
DATE: 4/30/2026

A107
ENLARGED PLANS



1 A201 FRONT ELEVATION

3/16"=1'-0"



2 A201 LEFT SIDE ELEVATION

3/16"=1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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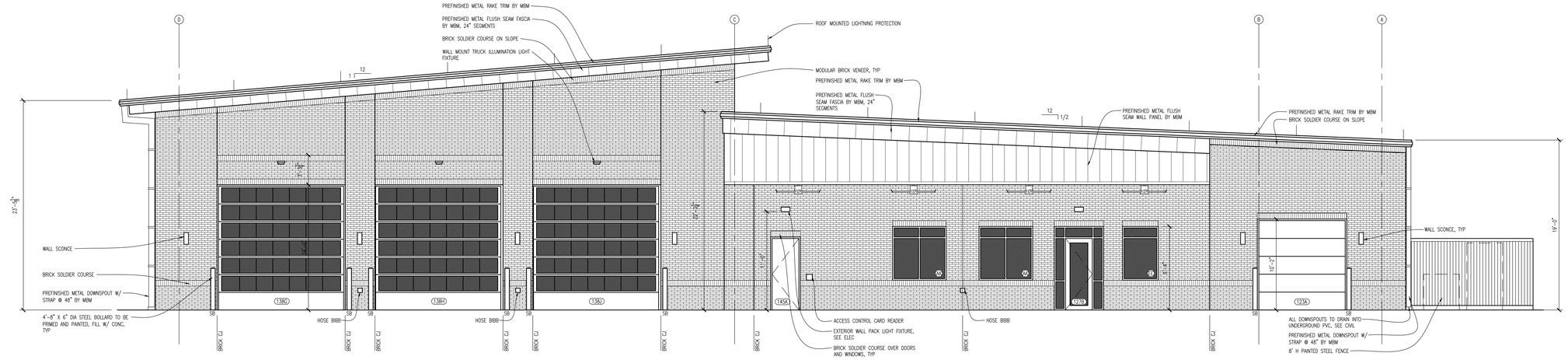
STATE OF FLORIDA
FORREST CHELTON DANIELL
AR0017802
REGISTERED ARCHITECT

JOB #:

DATE: 4/30/2026

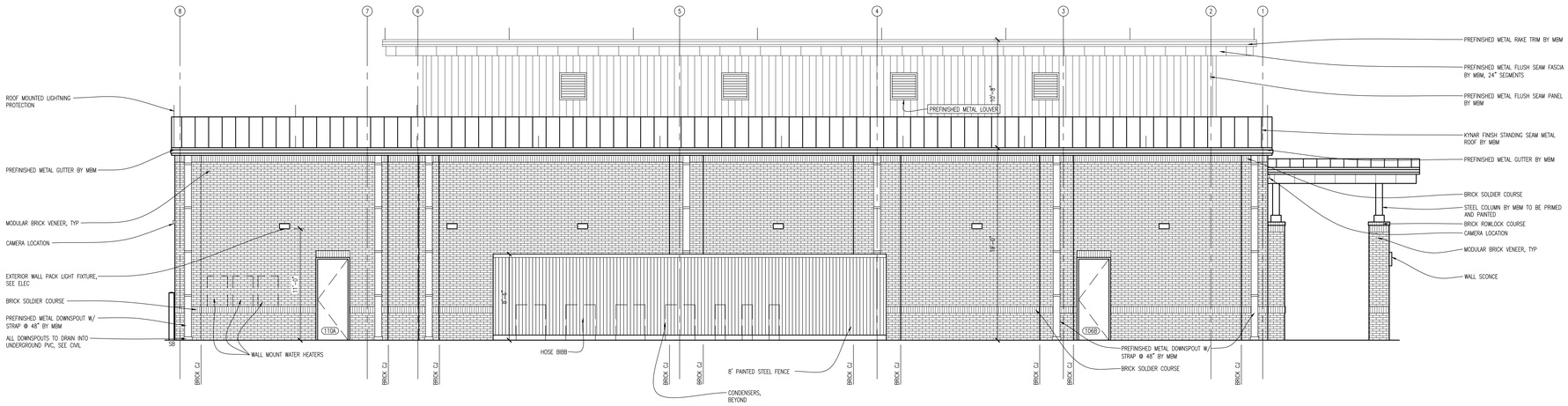
A201

EXTERIOR ELEVATIONS



1 A202 REAR ELEVATION

3/16"=1'-0"



2 A202 RIGHT SIDE ELEVATION

3/16"=1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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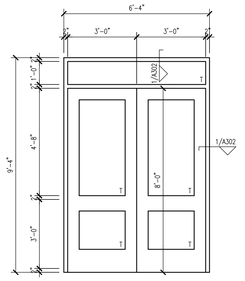
STATE OF FLORIDA
CHRISTOPHER CHELTON FORREST
AR0017802
REGISTERED ARCHITECT

JOB #:

DATE: 4/30/2026

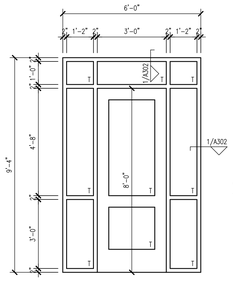
A202

EXTERIOR ELEVATIONS



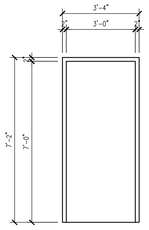
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ALUMINUM STOREFRONT
WIDE STYLE DOOR
(SEE SPECIFICATION)

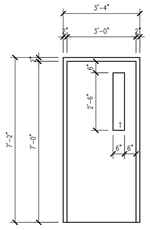


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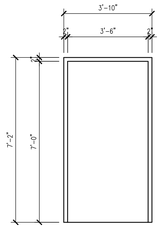
ALUMINUM STOREFRONT
WIDE STYLE DOOR
(SEE SPECIFICATION)



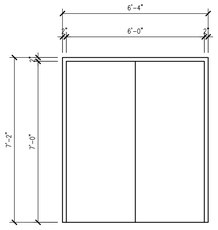
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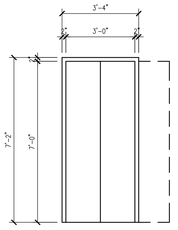
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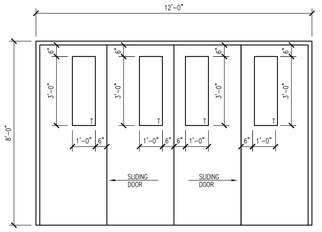
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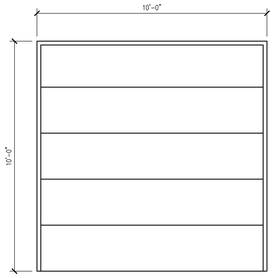


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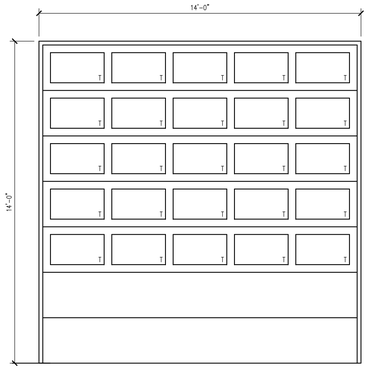
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HORTON MANUAL SLIDING DOOR SERIES S2001 FLUSH METAL W/ GLASS LITES



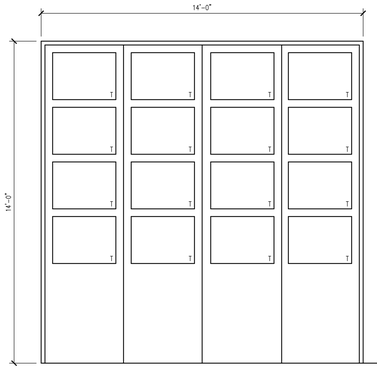
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CLOPAY 3158 STEEL INSULATED DOOR (SEE SPECIFICATION)



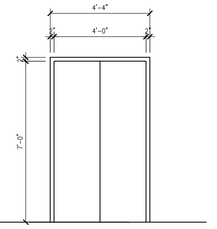
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CLOPAY 3728 STEEL INSULATED DOOR WITH IMPACT GLAZING
(SEE SPECIFICATION)



K

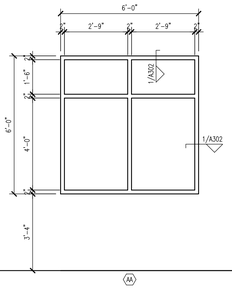
FOUR-FOLD INDUSTRIAL METAL DOOR MANUFACTURED BY DOOR ENGINEERING AND MANUFACTURING
WIND LOAD AND IMPACT RATED
(SEE SPECIFICATION)



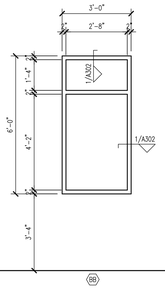
L

1/A301 DOOR TYPES

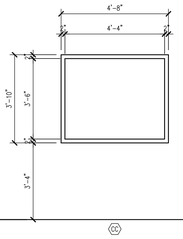
3/8"=1'-0"



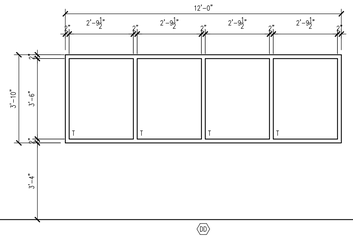
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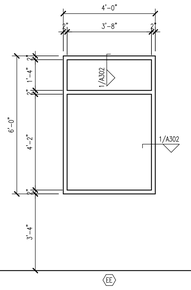
BB



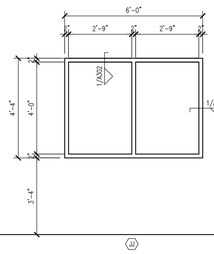
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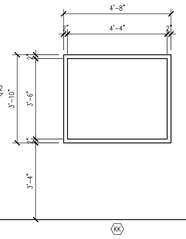
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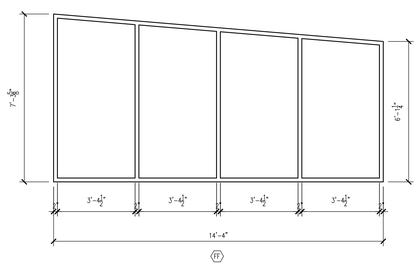
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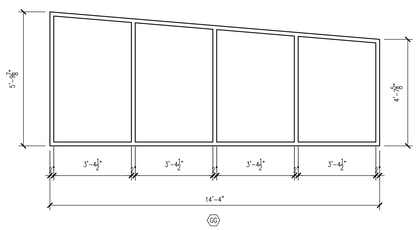
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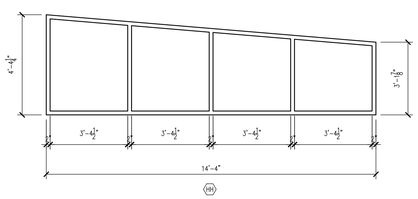
KK



FF



GG



HH

DOOR SCHEDULE

OPG. NO.	OPG. TYPE	DOOR/OPENING SIZE W	SIZE HT	CONST. MET. CA.	CONST. WD.	FINISH PNT.	FINISH TRANS.	FRAME CONST. METAL WD	FRAME CONST. METAL GA	FRAME CONST. METAL DPT	FRAME FINISH PNT.	FRAME FINISH TRANS.	RATING		REMARKS
101A	A	3'-0"	8'-0"												ALUMINUM STOREFRONT, PANIC DEVICE, NOTE 1
102A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		1/A302	NOTE 1
103A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
103AA	L	PR2'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
104A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
105A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
106A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	PANIC DEVICE, NOTE 1
106B	B	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–		6/A302	PANIC DEVICE, NOTE 1
107A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
108A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
109A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
110A	B	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–		6/A302	
111A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
112A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
113A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
114A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
115A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
116A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
117A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
118A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
119A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
120A	C	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–		6/A302	PANIC DEVICE, NOTE 1
121A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
122A	D	3'-6"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
123A	H	10'-0"	10'-0"											1/A506	CLOPAY STEEL INSULATED DOOR
127A	AA	3'-0"	8'-0"											1/A302	ALUMINUM STOREFRONT, PANIC DEVICE, NOTE 1
128A	F	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
129A	F	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
130A	F	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
131A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
131B	C	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–	90 MIN	4/A302	PANIC DEVICE, NOTE 1
132A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
133A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
134A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
135A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
136A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	PANIC DEVICE, NOTE 1
136AA	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–	90 MIN	4/A302	
137A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
138A	C	3'-0"	7'-0"	–	X	–	X	–	16	7 1/4"	X	–	90 MIN	4/A302	PANIC DEVICE, NOTE 1
138B	K	14'-0"	14'-0"											1/A503	FOUR-FOLD METAL DOOR
138C	K	14'-0"	14'-0"											1/A503	FOUR-FOLD METAL DOOR
138D	K	14'-0"	14'-0"											1/A503	FOUR-FOLD METAL DOOR
138E	C	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–		6/A302	PANIC DEVICE, NOTE 1
138F	C	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–		6/A302	PANIC DEVICE, NOTE 1
138G	J	14'-0"	14'-0"											2/A503	CLOPAY STEEL INSULATED DOOR W/ IMPACT GLAZING
138H	J	14'-0"	14'-0"											2/A503	CLOPAY STEEL INSULATED DOOR W/ IMPACT GLAZING
138J	J	14'-0"	14'-0"											2/A503	CLOPAY STEEL INSULATED DOOR W/ IMPACT GLAZING
139A	C	3'-0"	7'-0"	16	–	X	–	–	16	7 1/4"	X	–	90 MIN	4/A302	
142A	B	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–		2/A302	
143A	B	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	
144A	G	12'-0"	8'-0"										90 MIN	5/A302	HORTON MANUAL SLIDING GLASS DOOR SERIES S2001
145A	C	3'-0"	7'-0"	16	–	X	–	–	16	4 7/8"	X	–		6/A302	NOTE 1
145B	C	3'-0"	7'-0"	16	–	X	–	–	16	7 1/4"	X	–	90 MIN	4/A302	
203A	B	3'-0"	7'-0"	16	–	–	X	–	16	7 1/4"	X	–	90 MIN	4/A302	
203B	E	PR3'-0"	7'-0"	16	–	X	–	–	16	7 1/4"	X	–	90 MIN	4/A302	
204A	C	3'-0"	7'-0"	16	–	–	X	–	16	7 1/4"	X	–	90 MIN	4/A302	
205A	C	3'-0"	7'-0"	–	X	–	X	–	16	4 7/8"	X	–		2/A302	

NOTES:
1. NOTED DOOR TO RECEIVE ALL HARDWARE FOR ELECTRONIC ACCESS.
   A. FOR STOREFRONT DOORS, PROVIDE ELECTRONIC PANIC EGRESS DEVICE. PANIC TO BE WIRED TO ELECTRONIC HINGE AND POWER SUPPLY BY DOOR HARDWARE SUPPLIER. ELECTRICAL CONTRACTOR TO PROVIDE POWER TO POWER SUPPLY. PROVIDE WIRING AND CONDUIT FROM POWER SUPPLY TO LOCATION TO BE DETERMINED.
   B. FOR HOLLOW METAL FRAME DOORS, PROVIDE ELECTRONIC LATCH RELEASE DEVICE. POWER TO BE SUPPLIED BY LOW VOLTAGE SECURITY PROVIDER.

2. ALL EXTERIOR ALUM STOREFRONT DOORS TO BE EQUIPPED WITH THE FOLLOWING HARDWARE, TO BE PROVIDED BY THE STOREFRONT SUPPLIER:
   A. TOP, BOTTOM, AND INTERMEDIATE PIVOT HINGES FOR EACH DOOR LEAF
   B. STRIKES
   C. GRADE 1, BHMA A156.4 CLOSER FOR EACH LEAF
   D. GROUND MOUNTED FLOOR STOP
   E. WEATHER STRIPPING
   F. WEATHER SWEEPS
   G. 2" OFFSET ADA THRESHOLD FOR 1/4" LOWER EXTERIOR SIDEWALK
   H. POWER OR MANUAL PANIC DEVICE, AS SCHEDULED.
   J. EXTERIOR PULL HANDLE

   ALL EXTERIOR ALUM STOREFRONT DOORS TO RECEIVE THE FOLLOWING, TO BE PROVIDED BY THE DOOR HARDWARE SUPPLIER:
   A. CYLINDER LOCKS

5. EXTERIOR ALUM STOREFRONT OPENINGS MUST MEET WIND LOAD REQUIREMENTS FOR LOCAL WIND SPEED.

6. T DESIGNATION DENOTES LOCATIONS OF REQUIRED TEMPERED SAFETY GLASS.

WINDOW SCHEDULE

MARK	DESCRIPTION	FINISH	GLAZING
AA	EXTERIOR ALUMINUM STOREFRONT	DARK BRONZE ANODIZED	LARGE MISSILE IMPACT SOLARBAN 60 BRONZE + 1" INSULATED CLEAR
BB	EXTERIOR ALUMINUM STOREFRONT	DARK BRONZE ANODIZED	LARGE MISSILE IMPACT SOLARBAN 60 BRONZE + 1" INSULATED CLEAR
CC	HOLLOW METAL FRAME	PRIME AND PAINT	1/4" CLEAR
DD	HOLLOW METAL FRAME	PRIME AND PAINT	1/4" CLEAR, TEMPERED
EE	EXTERIOR ALUMINUM STOREFRONT	DARK BRONZE ANODIZED	LARGE MISSILE IMPACT SOLARBAN 60 BRONZE + 1" INSULATED CLEAR
FF	EXTERIOR ALUMINUM STOREFRONT	DARK BRONZE ANODIZED	LARGE MISSILE IMPACT SOLARBAN 60 BRONZE + 1" INSULATED CLEAR
GG	EXTERIOR ALUMINUM STOREFRONT	DARK BRONZE ANODIZED	LARGE MISSILE IMPACT SOLARBAN 60 BRONZE + 1" INSULATED CLEAR
HH	EXTERIOR ALUMINUM STOREFRONT	DARK BRONZE ANODIZED	LARGE MISSILE IMPACT SOLARBAN 60 BRONZE + 1" INSULATED CLEAR
JJ	EXTERIOR ALUMINUM STOREFRONT	DARK BRONZE ANODIZED	LARGE MISSILE IMPACT SOLARBAN 60 BRONZE + 1" INSULATED CLEAR
KK	HOLLOW METAL FRAME, 90 MIN RATED	PRIME AND PAINT	90 MIN LAMINATED FIRE GLASS

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PARADISE BEACH - STATION 20
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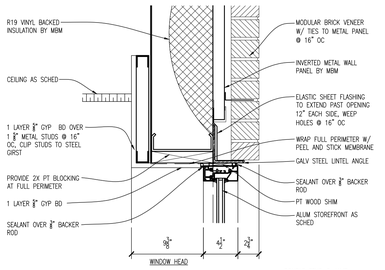
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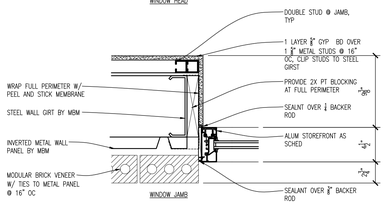
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AR0017802

JOB #:
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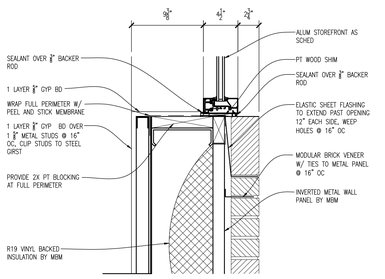
A301
DOOR AND WINDOW SCHEDULE



WINDOW HEAD



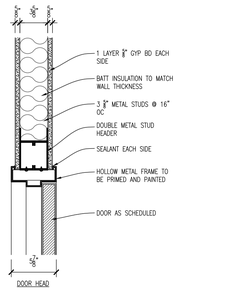
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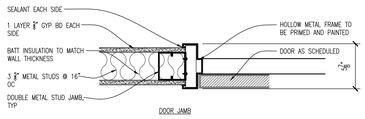
WINDOW SILL

1 A302 WINDOW DETAIL

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



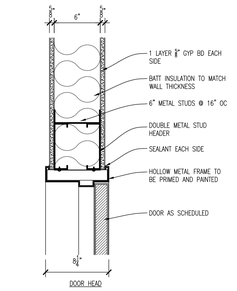
DOOR HEAD



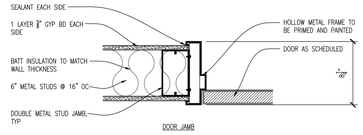
DOOR JAMB

2 A302 DOOR DETAIL

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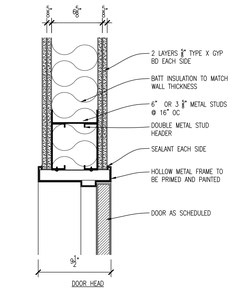
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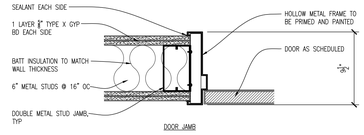
DOOR JAMB

3 A302 DOOR DETAIL

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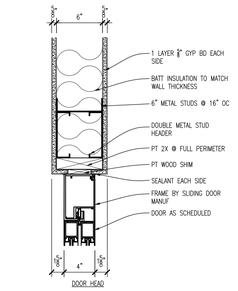
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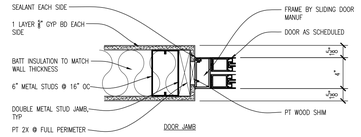
DOOR JAMB

4 A302 DOOR DETAIL

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



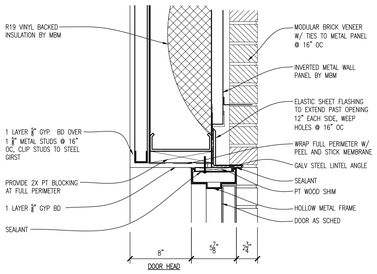
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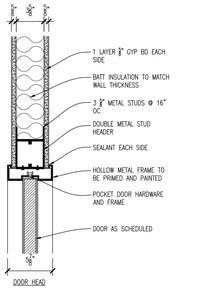
DOOR JAMB

5 A302 DOOR DETAIL

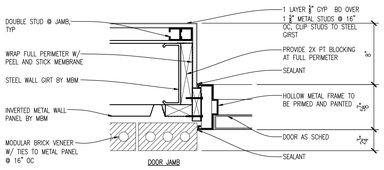
SCALE 1 1/2"=1'-0"



DOOR HEAD



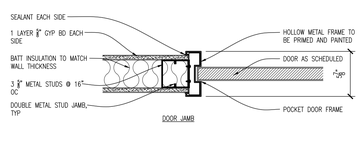
DOOR HEAD



DOOR JAMB

6 A302 DOOR DETAIL

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



DOOR JAMB

7 A302 DOOR DETAIL

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

ESCAMBIA COUNTY FIRE-RESCUE
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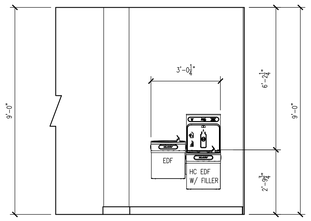
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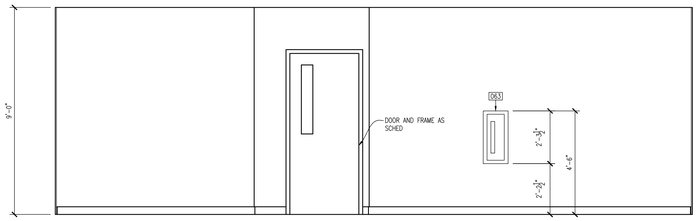
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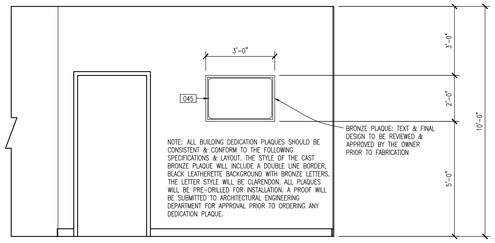
DOOR AND WINDOW DETAILS



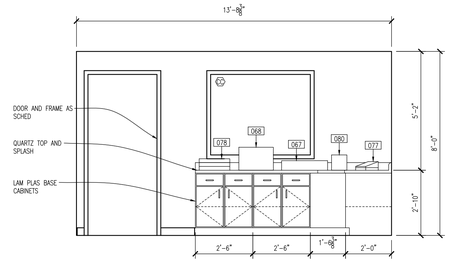
101A A401 LOBBY ELEVATION
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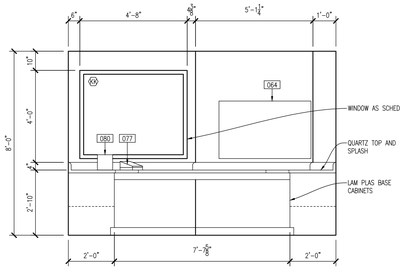
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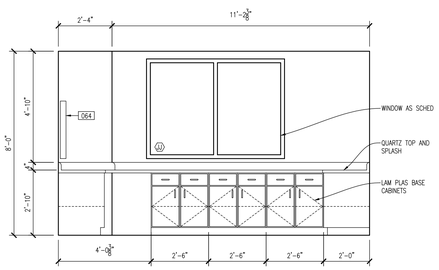
101C A401 LOBBY ELEVATION
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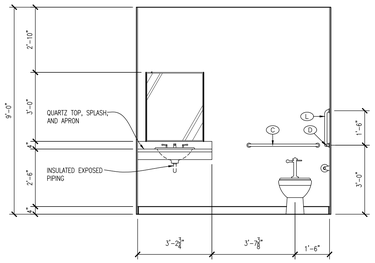
102A A401 WATCH/OFFICE ELEVATION
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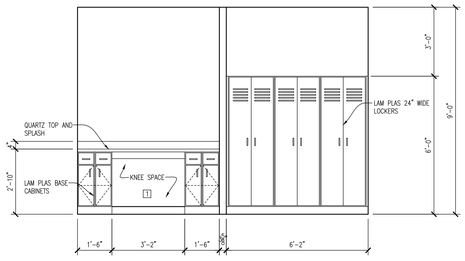
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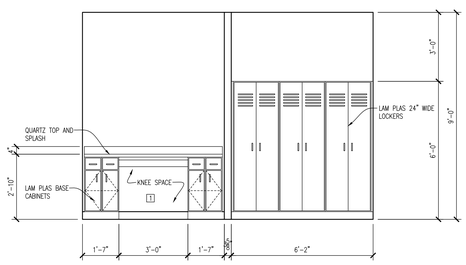
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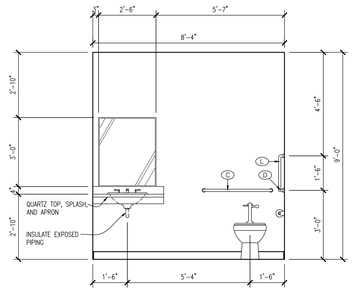
103A A401 ADA TOILET ELEVATION
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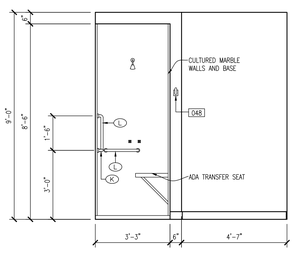
104A A401 DORM ROOM ELEVATION
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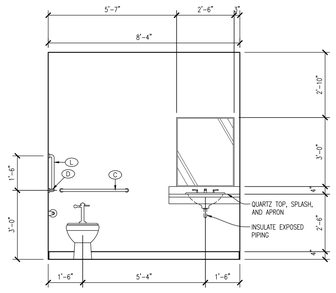
107A A401 DORM ROOM ELEVATION
3/8"=1'-0"



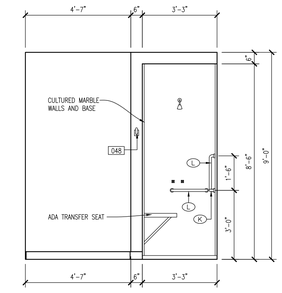
111A A401 ADA TOILET ELEVATION
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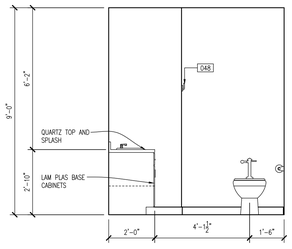
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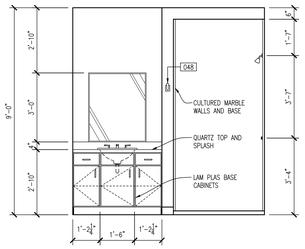
113A A401 ADA TOILET ELEVATION
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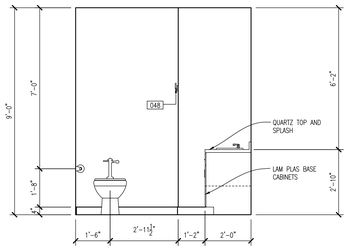
113B A401 ADA TOILET ELEVATION
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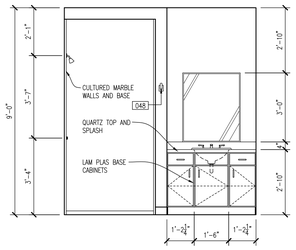
115A A401 TOILET ELEVATION
3/8"=1'-0"



115B A401 TOILET ELEVATION
3/8"=1'-0"



117A A401 TOILET ELEVATION
3/8"=1'-0"



117B A401 TOILET ELEVATION
3/8"=1'-0"

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PARADISE BEACH - STATION 20
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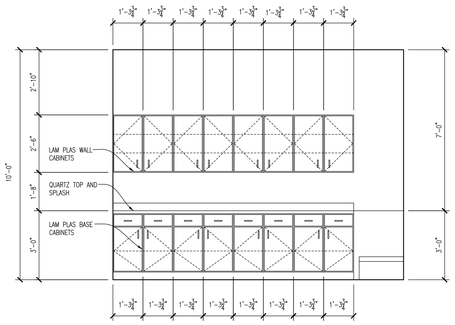
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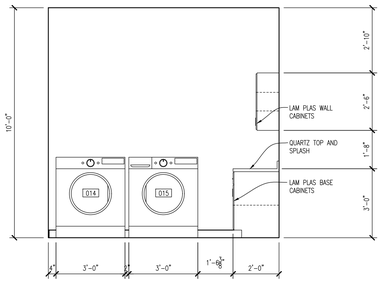
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AR0017802
REGISTERED ARCHITECT

JOB #:
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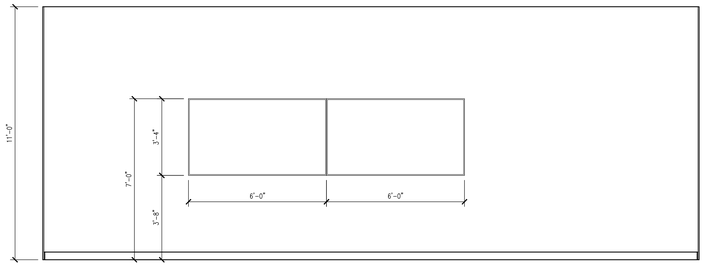
A401
INTERIOR ELEVATIONS



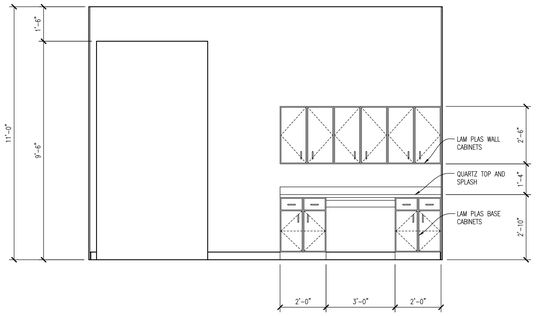
122A / A403 LAUNDRY ELEVATION
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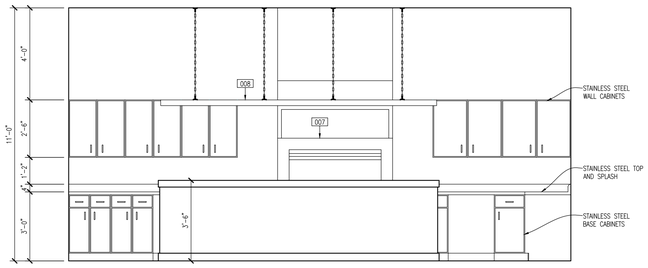
122B / A402 LAUNDRY ELEVATION
3/8"=1'-0"



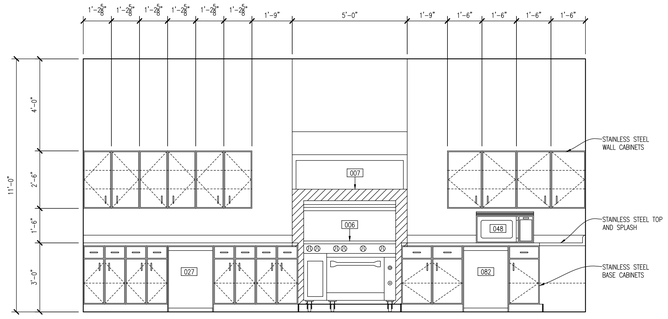
125A / A402 DINING/DAYROOM ELEVATION
3/8"=1'-0"



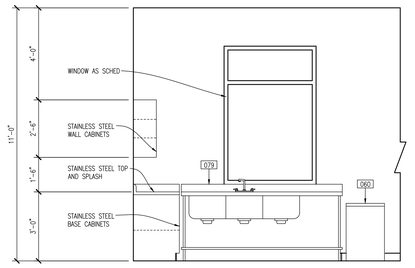
125B / A402 DINING/DAYROOM ELEVATION
3/8"=1'-0"



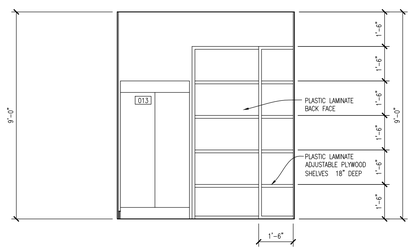
127A / A402 KITCHEN ELEVATION
3/8"=1'-0"



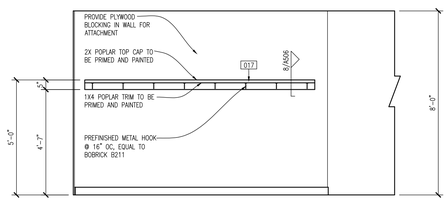
127B / A402 KITCHEN ELEVATION
3/8"=1'-0"



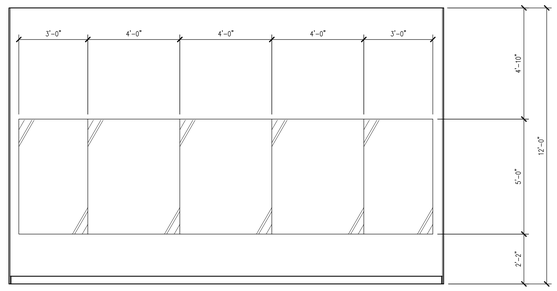
127C / A402 KITCHEN ELEVATION
3/8"=1'-0"



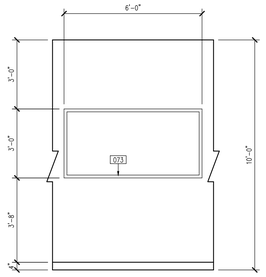
130A / A402 PANTRY ELEVATION
3/8"=1'-0"



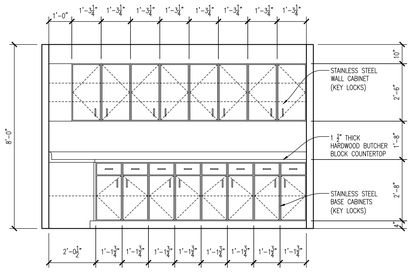
131A / A402 CORRIDOR ELEVATION
3/8"=1'-0"



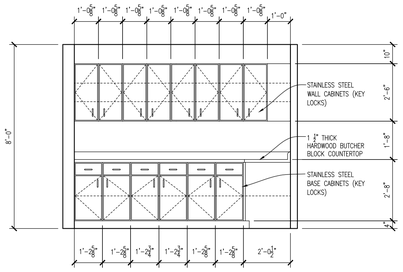
135A / A402 WELLNESS ELEVATION
3/8"=1'-0"



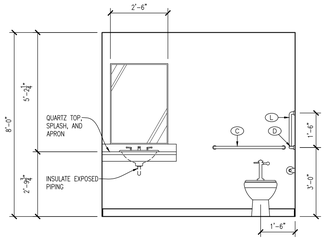
136A / A402 CORRIDOR ELEVATION
3/8"=1'-0"



141A / A402 WORKSHOP ELEVATION
3/8"=1'-0"



141B / A402 WORKSHOP ELEVATION
3/8"=1'-0"



142A / A402 ADA TOILET ELEVATION
3/8"=1'-0"

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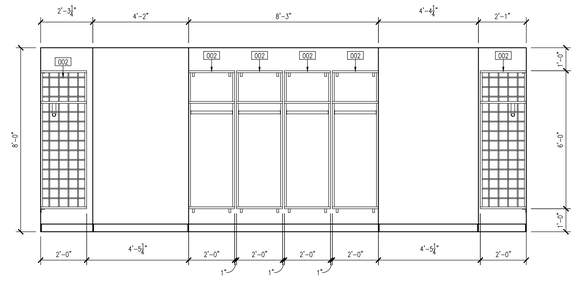
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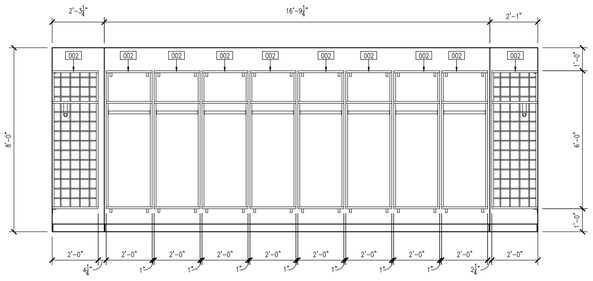
JOB #:
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A402
INTERIOR ELEVATIONS



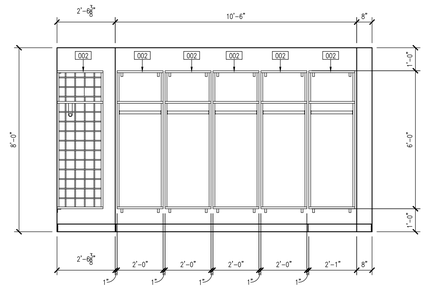
144A A403 GEAR ELEVATION

3/8"=1'-0"



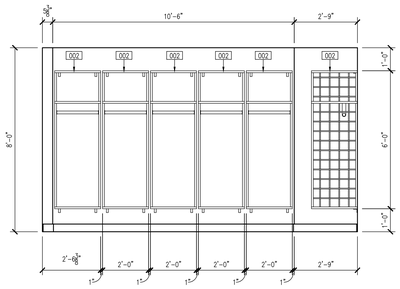
144B A403 GEAR ELEVATION

3/8"=1'-0"



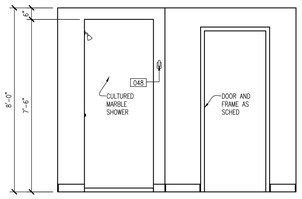
144C A403 GEAR ELEVATION

3/8"=1'-0"



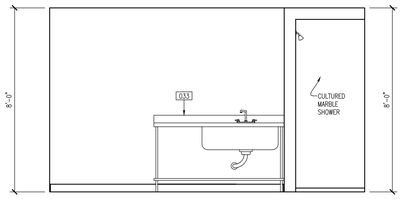
144D A403 GEAR ELEVATION

3/8"=1'-0"



145B A403 DECON ELEVATION

3/8"=1'-0"



145A A403 DECON ELEVATION

3/8"=1'-0"

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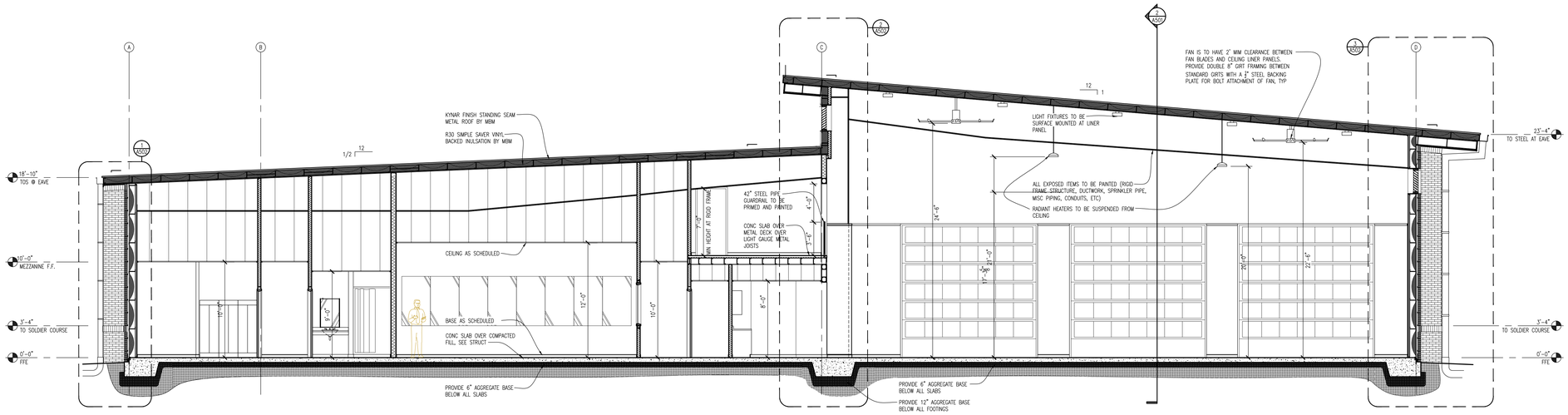
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AR0017802
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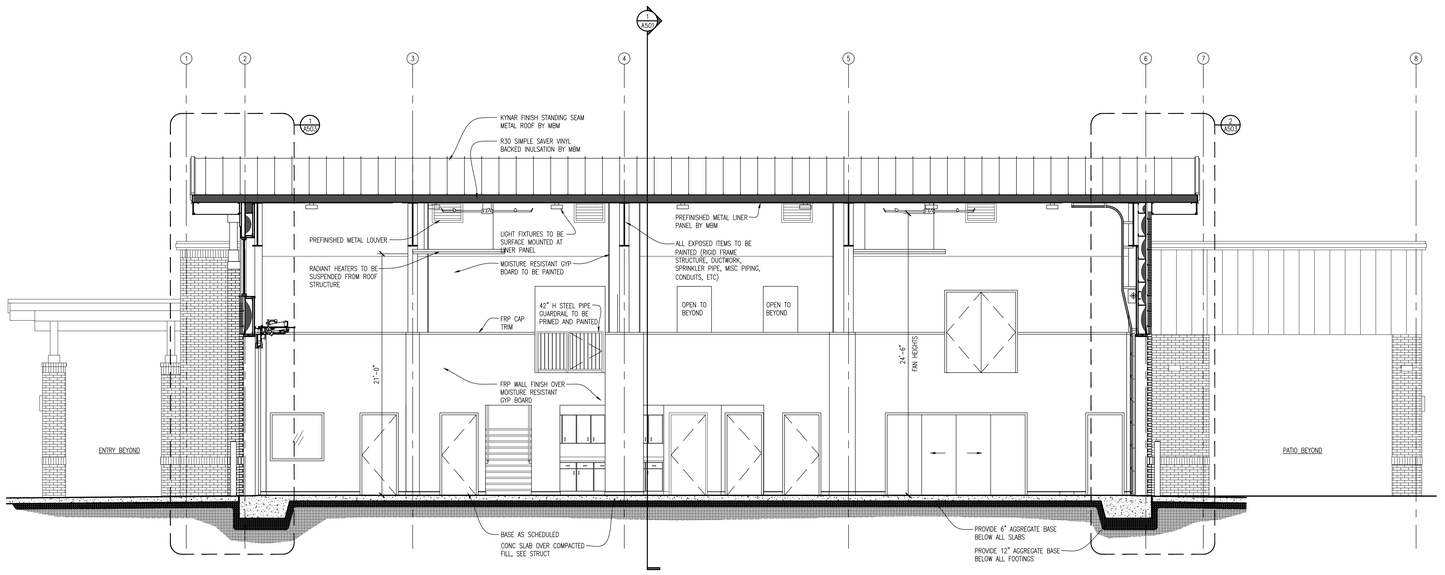
A403

INTERIOR ELEVATIONS



1 A501 BUILDING SECTION

3/16"=1'-0"



2 A501 BUILDING SECTION

3/16"=1'-0"

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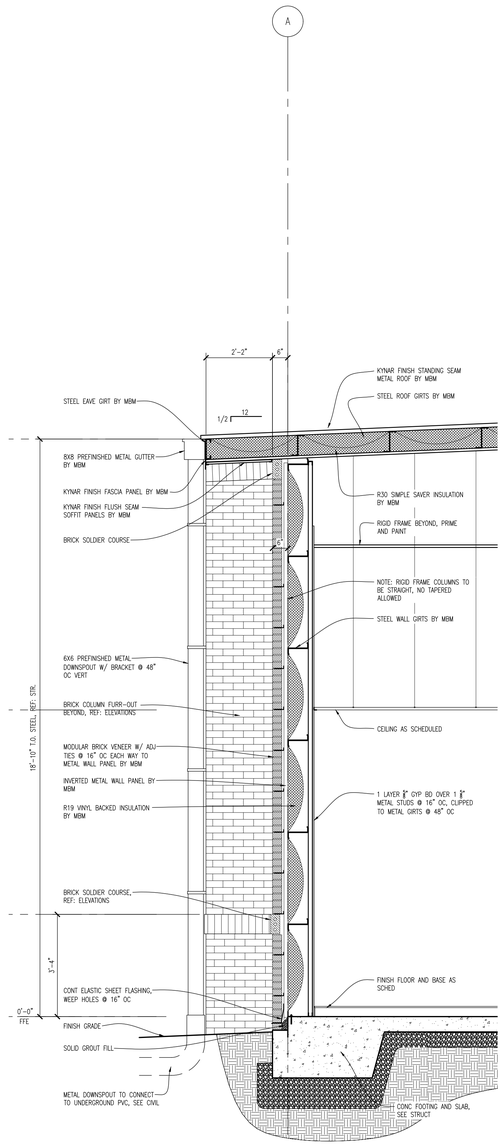
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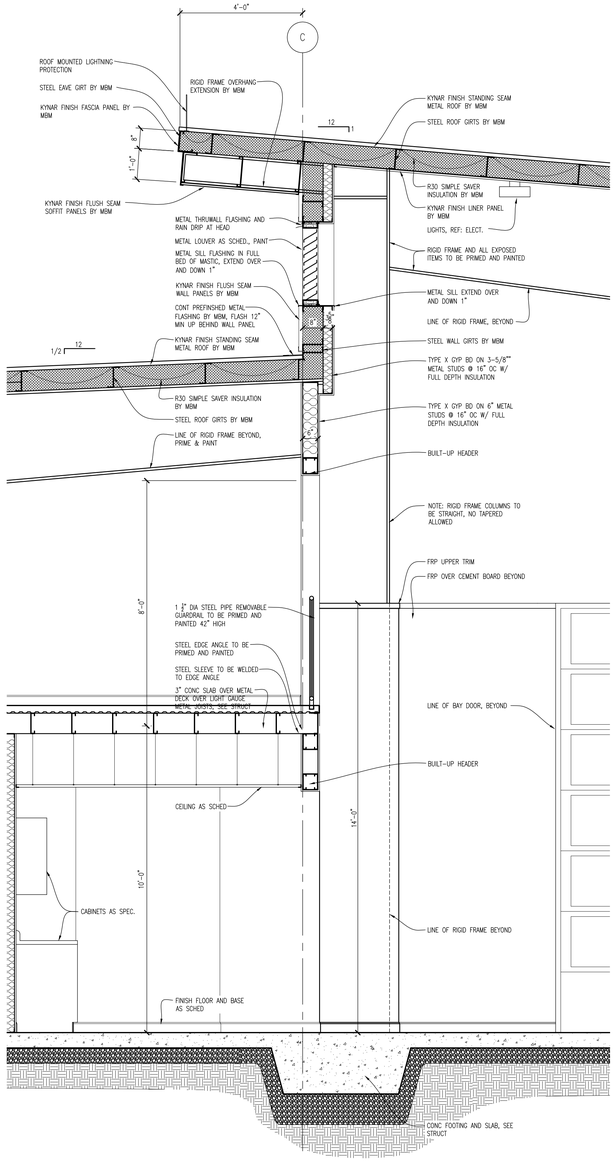
A501

BUILDING SECTION



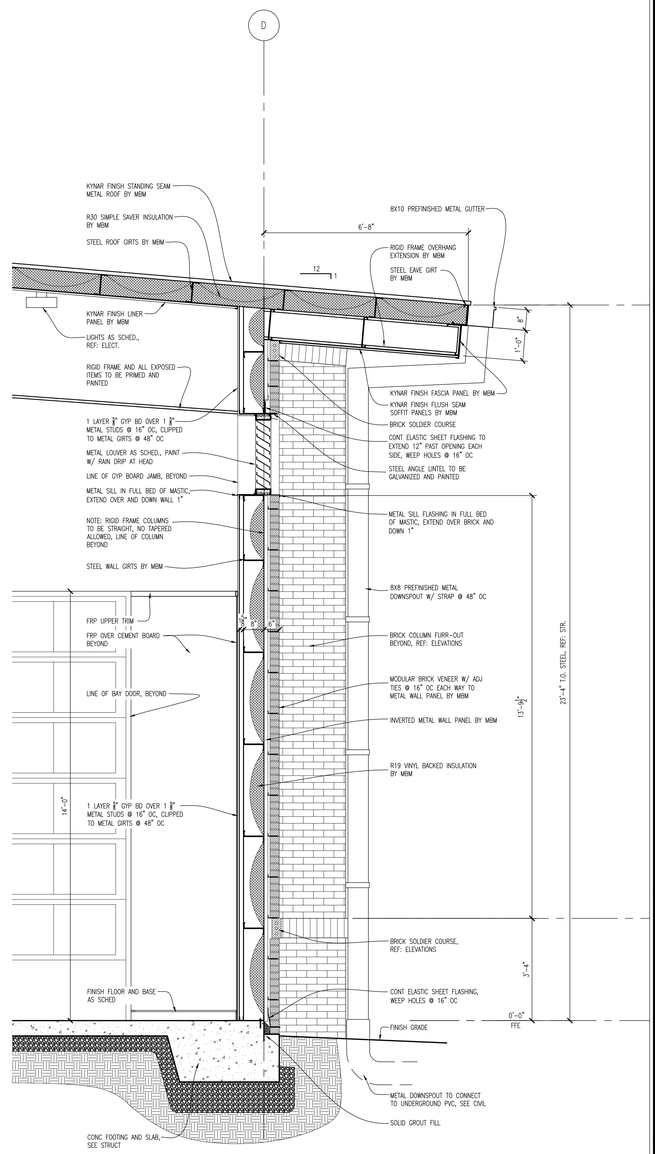
1 A502 WALL SECTION

1/2"=1'-0"



2 A502 WALL SECTION

1/2"=1'-0"



3 A502 WALL SECTION

1/2"=1'-0"

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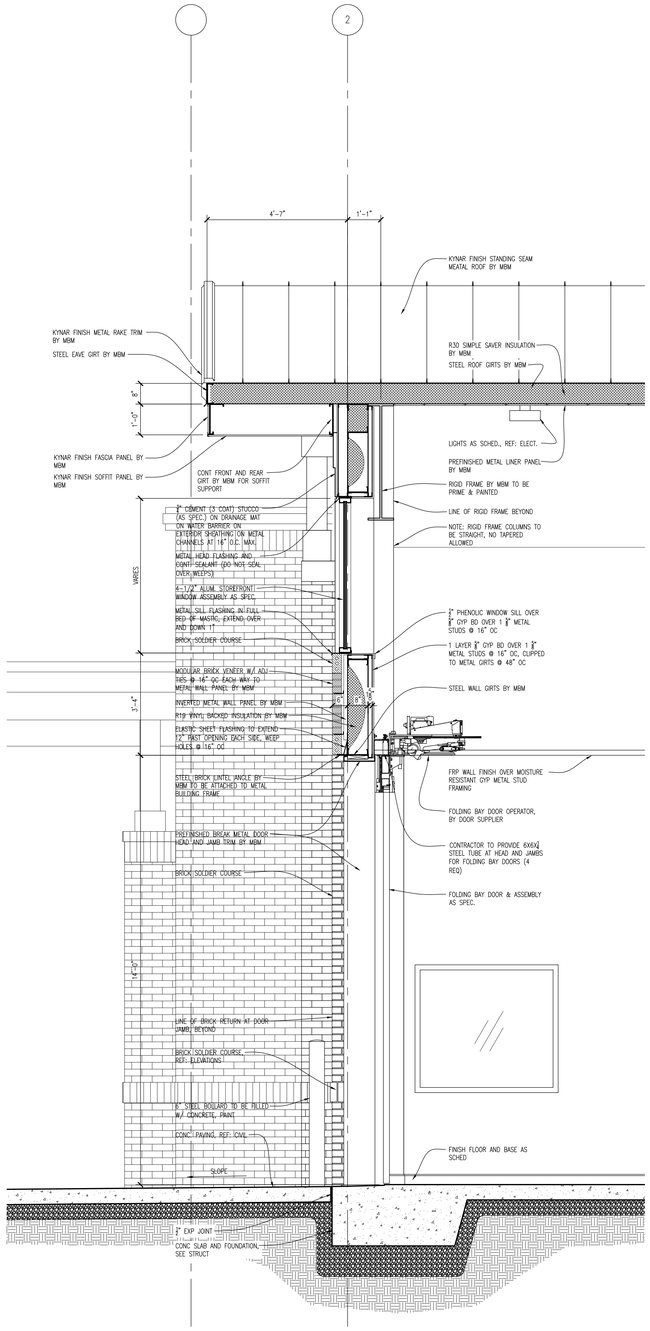
STATE OF FLORIDA
DENNIS T. ASH
AR0017802
REGISTERED ARCHITECT

JOB #:

DATE: 4/30/2026

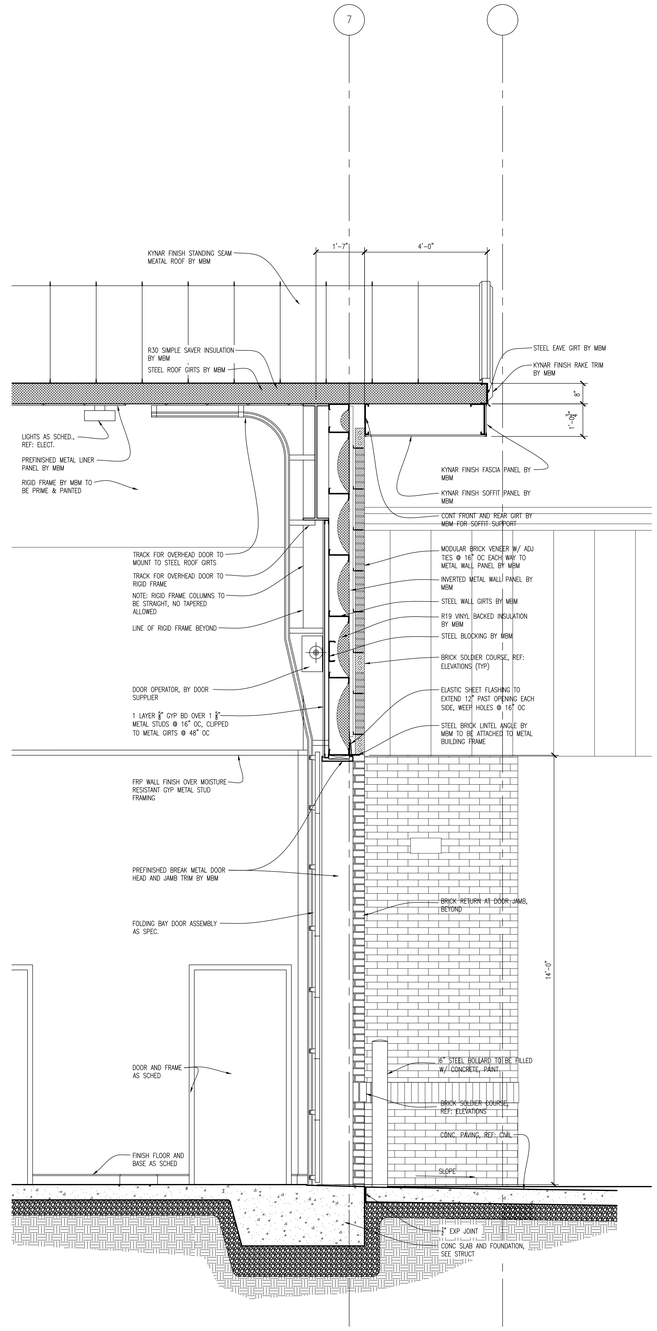
A502

WALL SECTIONS



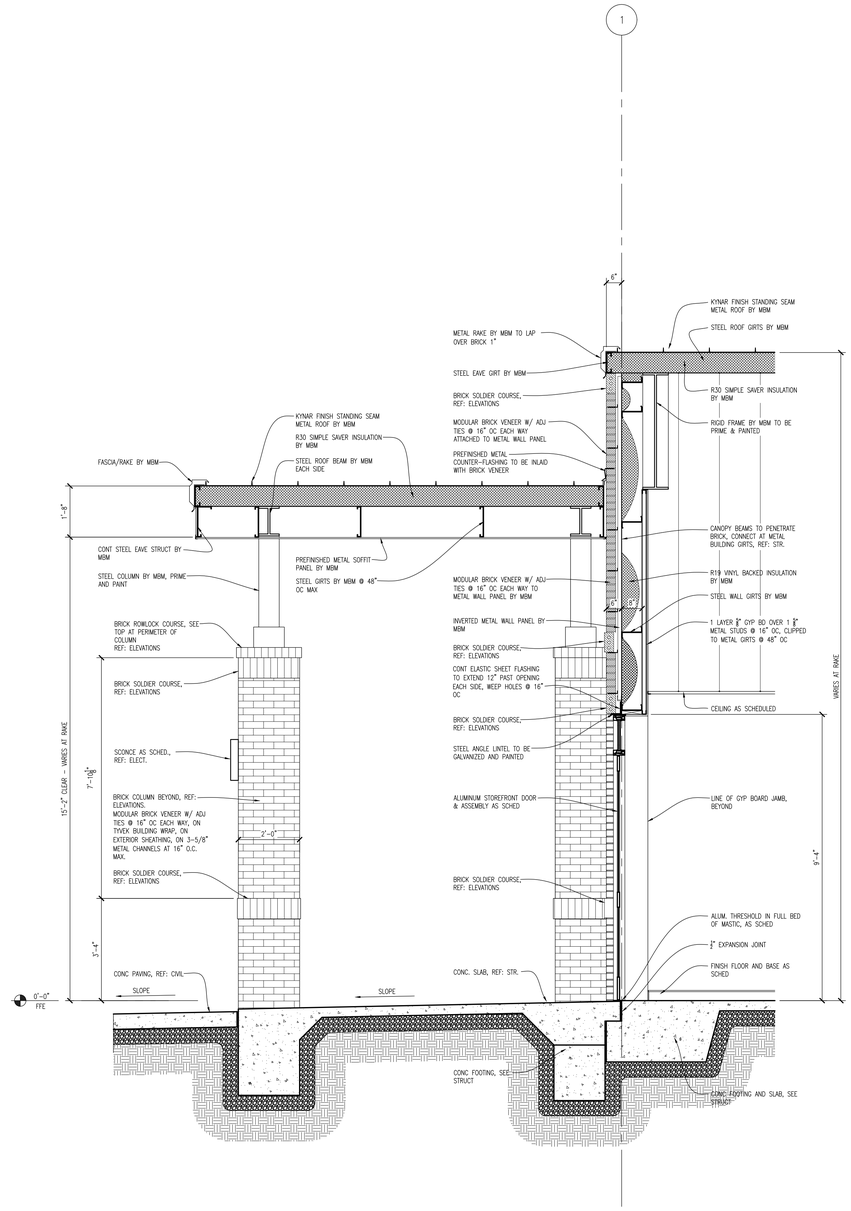
1 A503 WALL SECTION

1/2"=1'-0"



2 A503 WALL SECTION

1/2"=1'-0"



3 A502 WALL SECTION

1/2"=1'-0"

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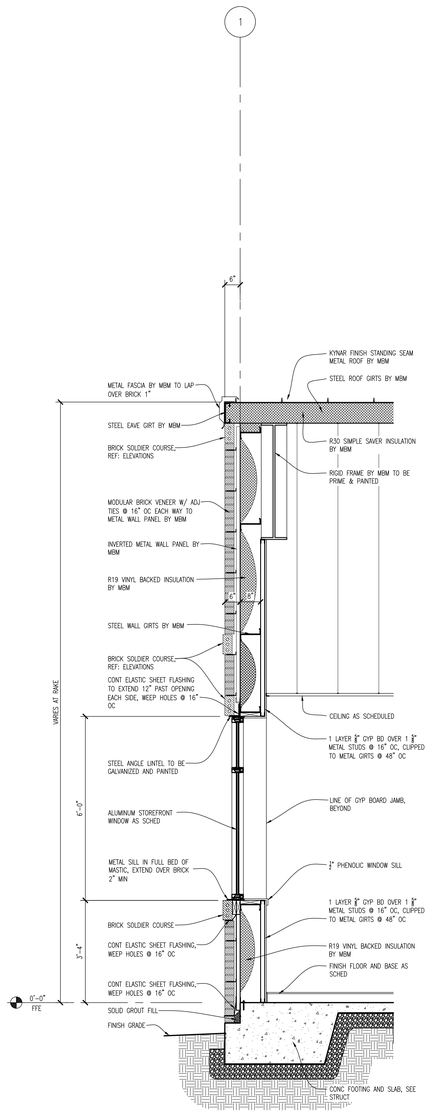
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STEPHEN CHILTON GOLDEN
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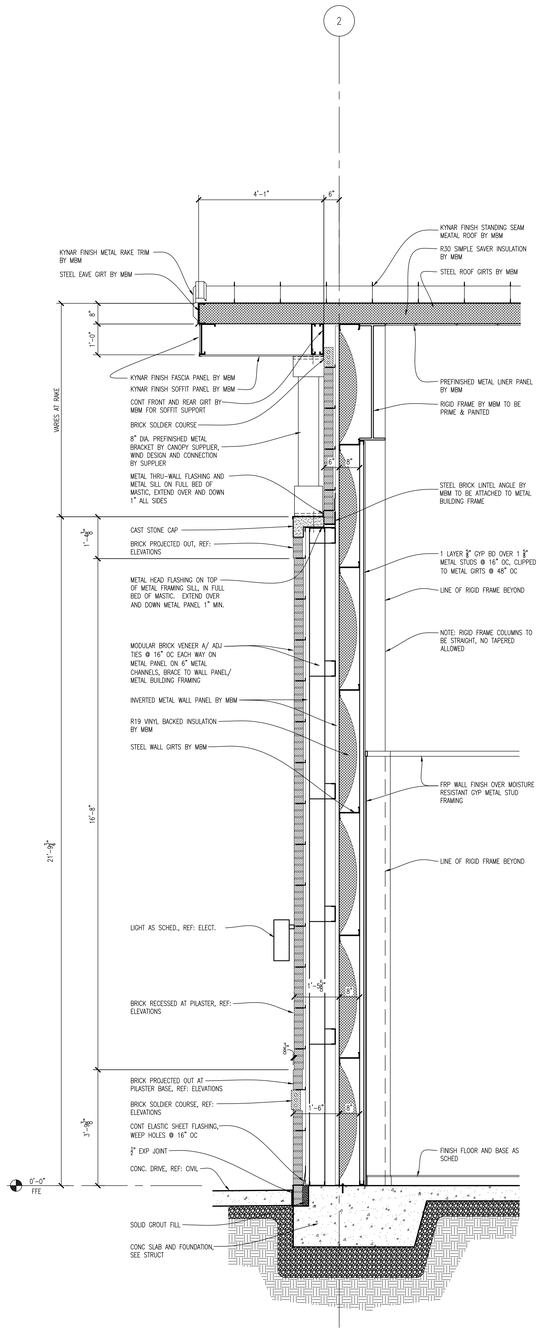
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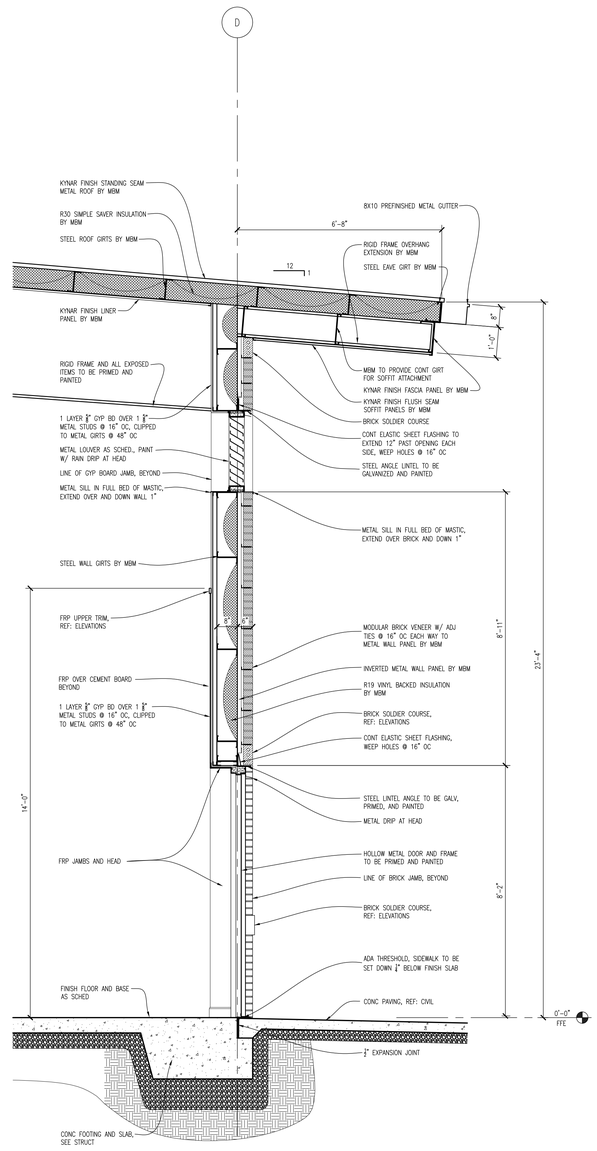
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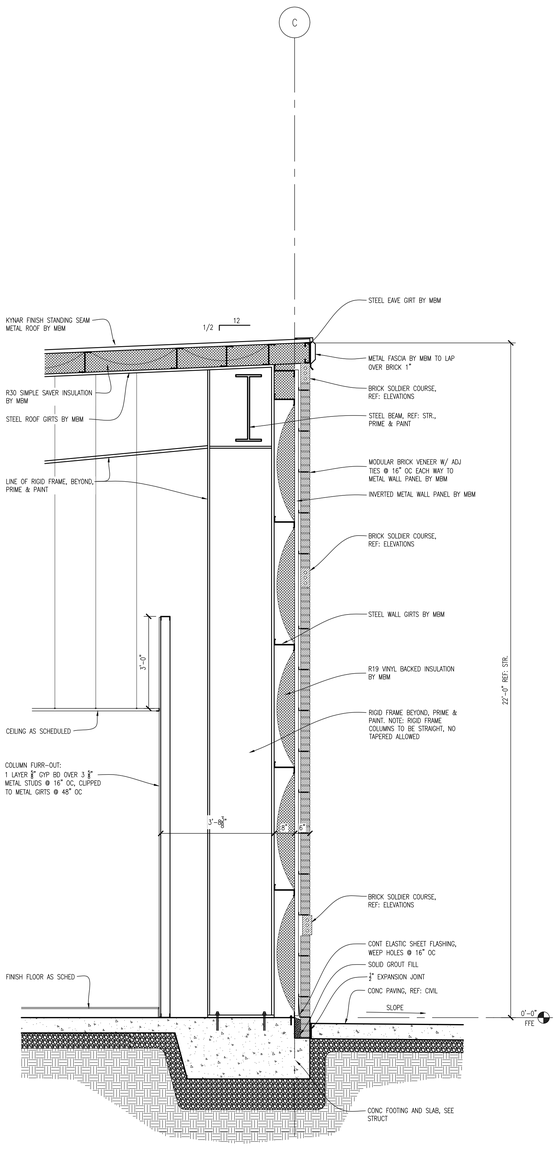
A503

WALL SECTIONS









1 A504 WALL SECTION
1/2"=1'-0"

2 A504 WALL SECTION
1/2"=1'-0"

3 A504 WALL SECTION
1/2"=1'-0"

4 A504 WALL SECTION
1/2"=1'-0"

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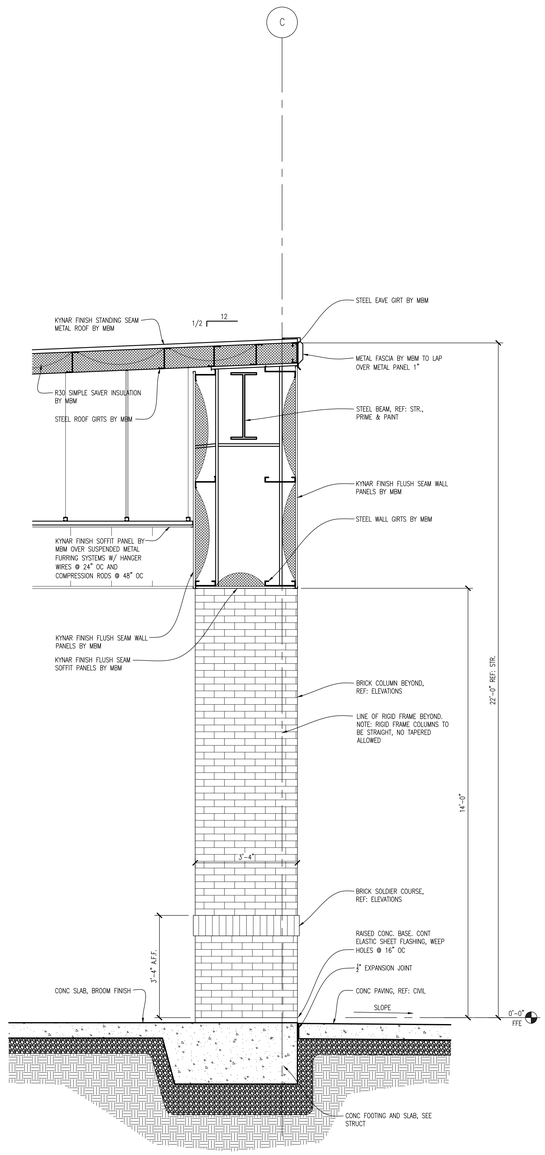
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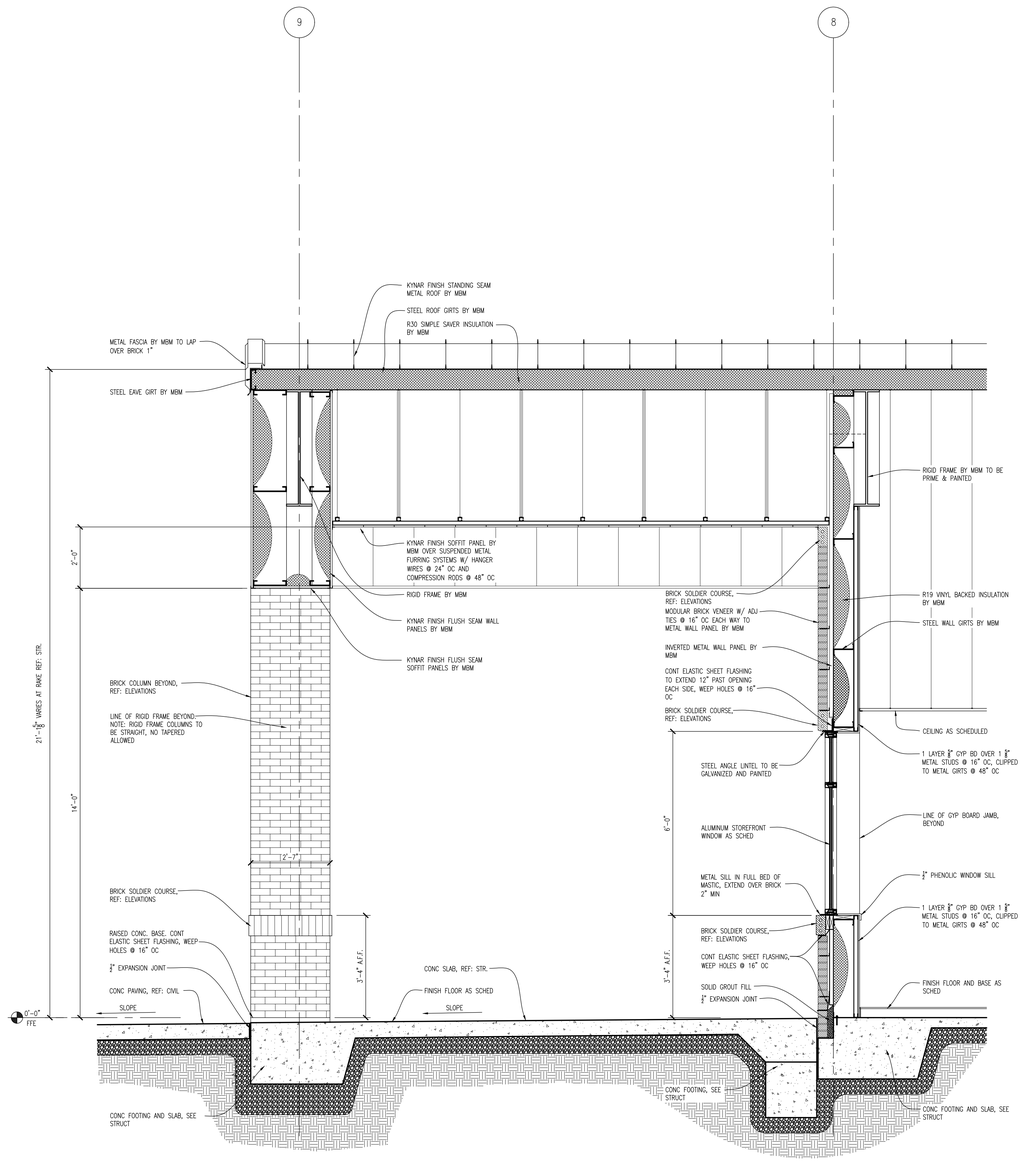
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A504
WALL SECTIONS



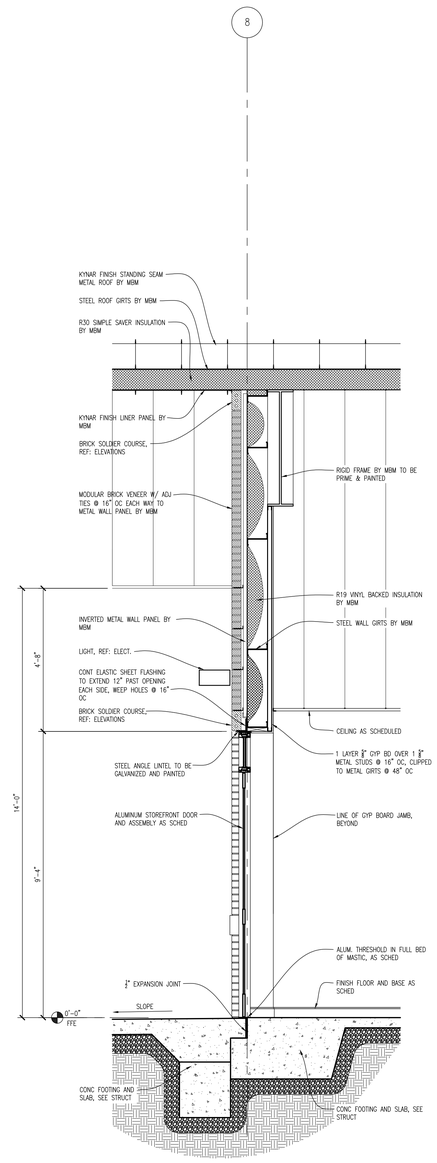
1 A505 WALL SECTION

1/2"=1'-0"



2 A505 WALL SECTION

1/2"=1'-0"



3 A505 WALL SECTION

1/2"=1'-0"

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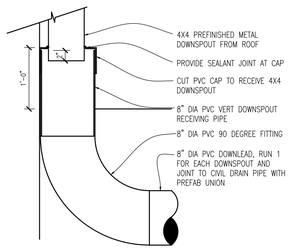
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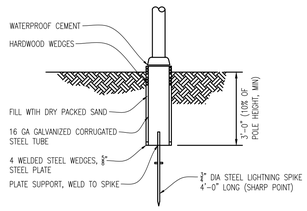
A505

WALL SECTIONS



5 A506 DOWNSPOUT TERMINATION DET

1"=1'-0"



FLAGPOLE SPECIFICATIONS – SEE CIVIL FOR LOCATION:
LIBERTY FLAGPOLE 30' EXTERNAL HALYARD COMMERICAL GRADE, 5X8 NYLON FLAG, BASE COLLAR, REVOLVING ALUMINUM TRUCK SYSTEM, GOLD ANODIZED BALL, 2" BRONZE, SWIVEL SNAPS, 9" ALUMINUM CLEAT, GROUND MOUNTING SLEEVE

7 A506 FLAGPOLE DETAIL

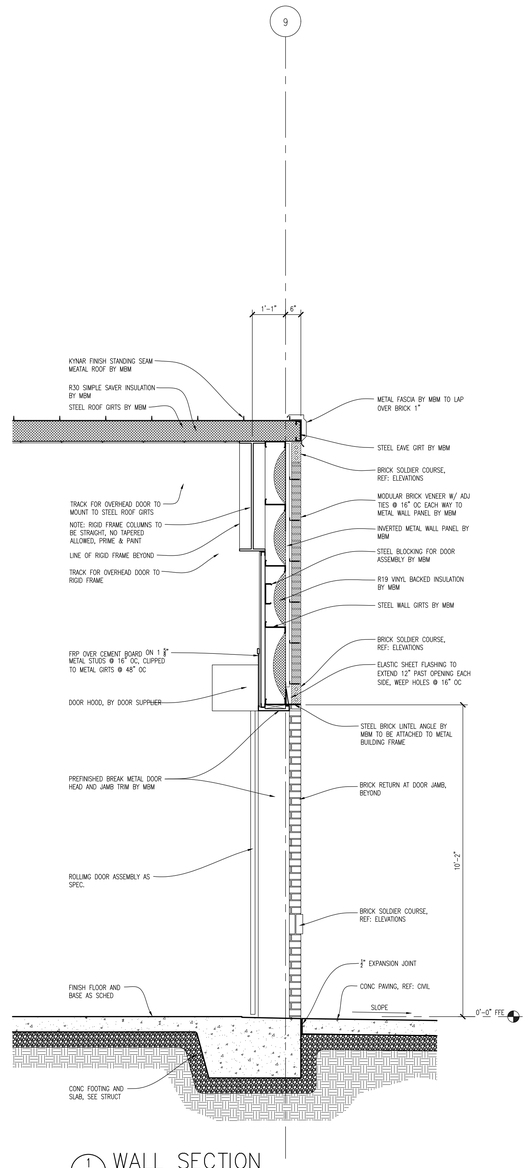
NOT TO SCALE

8 A506 WALL RACK DETAIL

3"=1'-0"

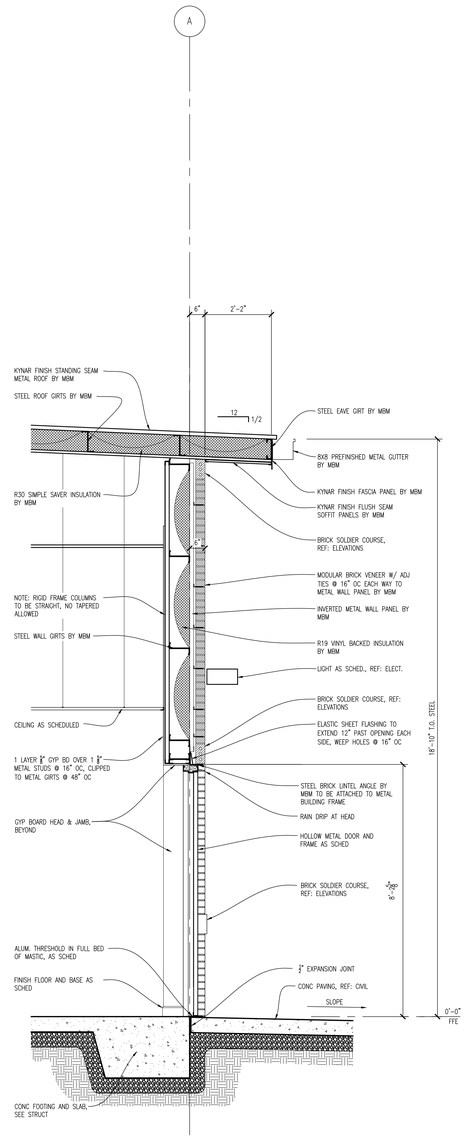
4 A506 KNEE WALL DETAIL

1"=1'-0"



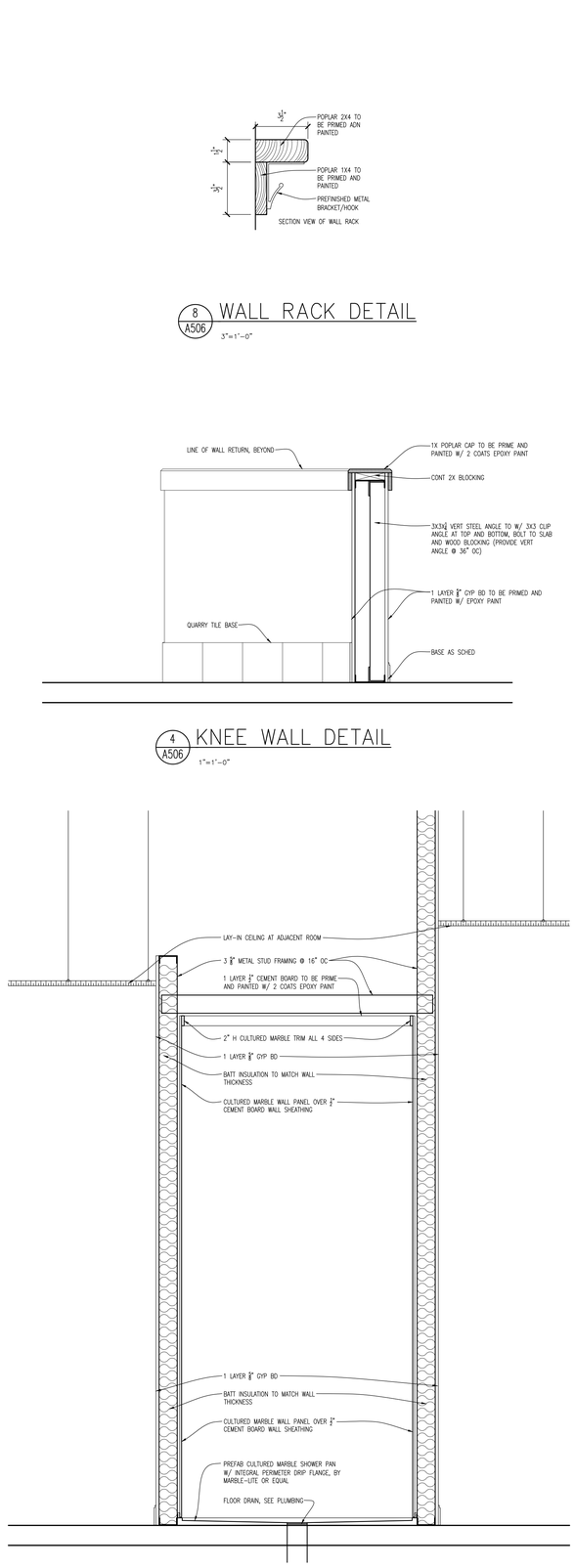
1 A506 WALL SECTION

1/2"=1'-0"



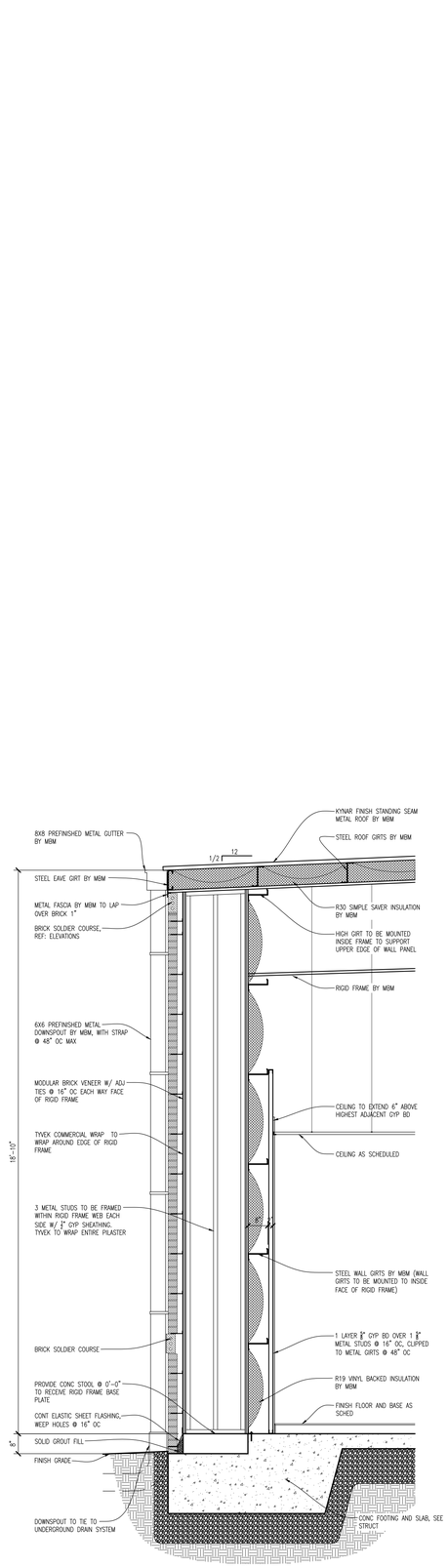
2 A506 WALL SECTION

1/2"=1'-0"



3 A506 SHOWER DETAIL

1"=1'-0"



6 A506 WALL SECTION

1/2"=1'-0"

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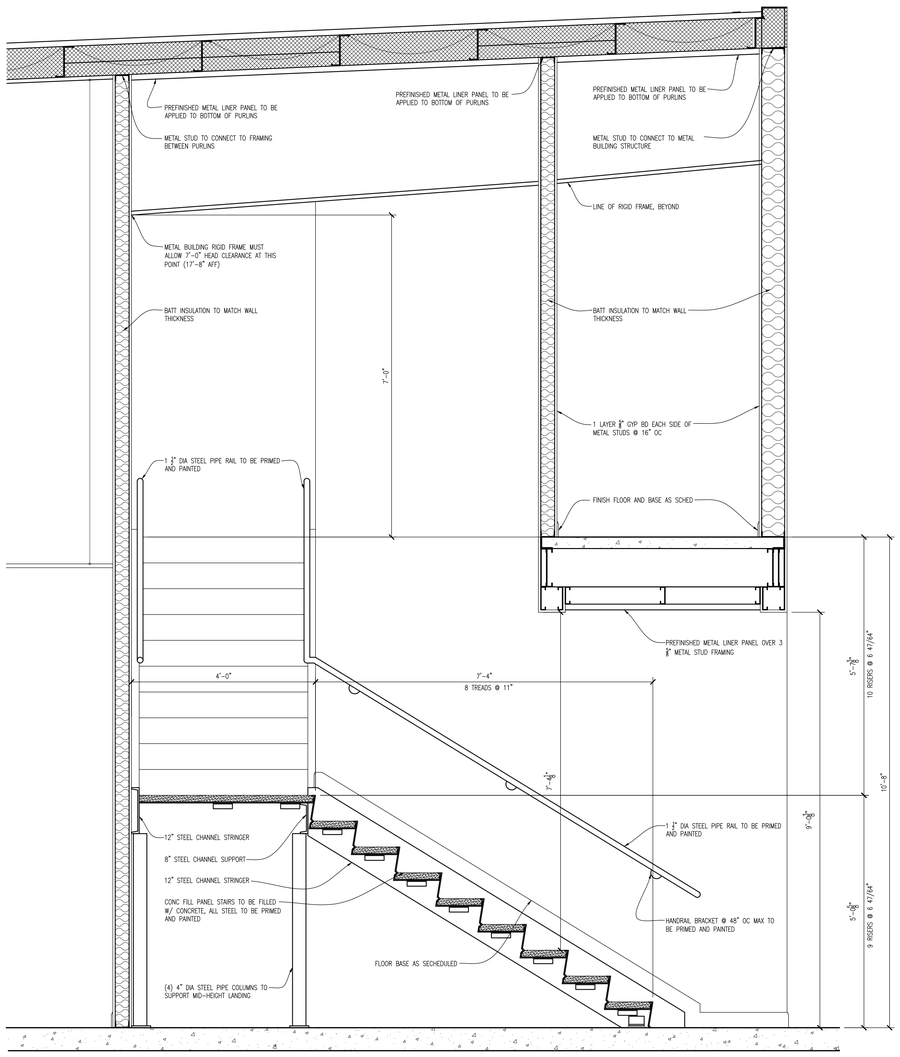
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A506

WALL SECTIONS



1 A507 STAIR DETAIL

3/4"=1'-0"

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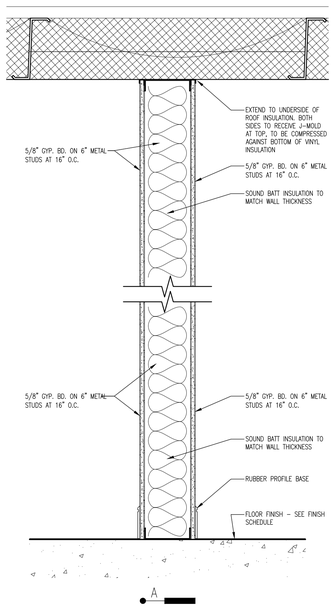
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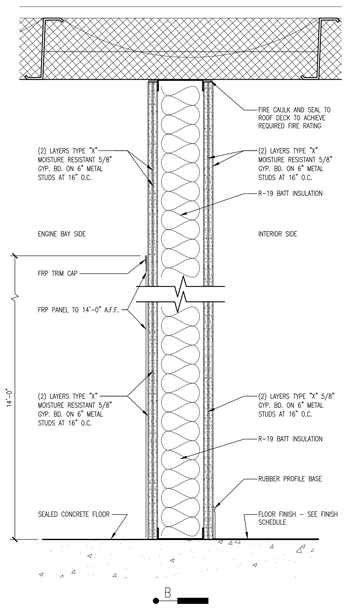
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A507

DETAILS

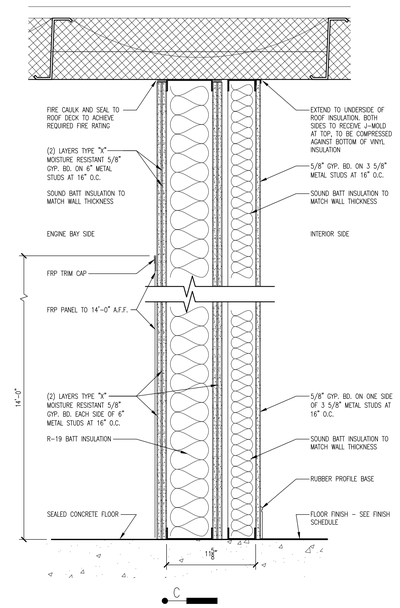


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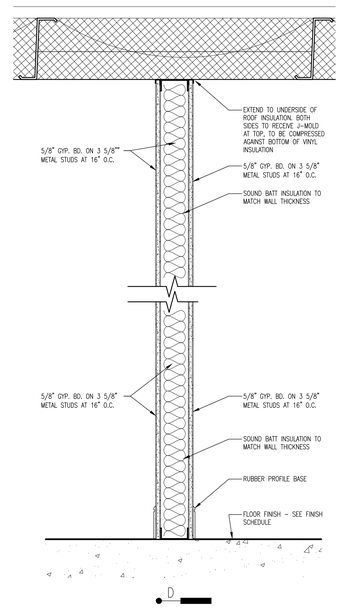
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2-HOUR RATED PARTITION PER UL U419

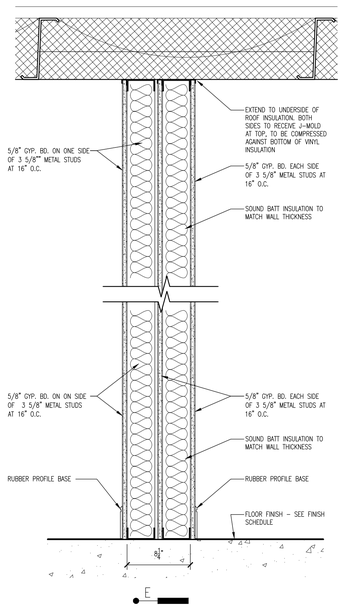


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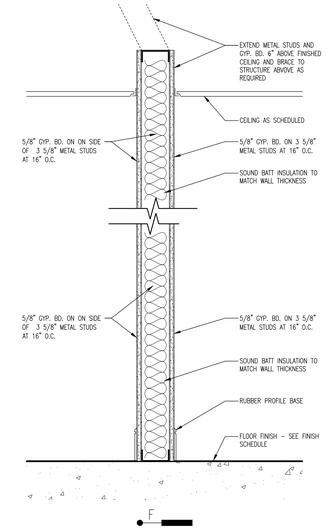
2-HOUR RATED PARTITION PER UL U419
(SECONDARY STUD WALL IS NOT RATED)



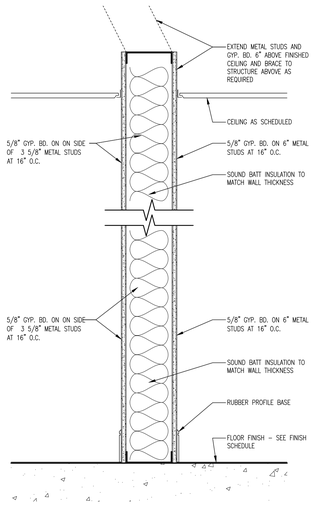
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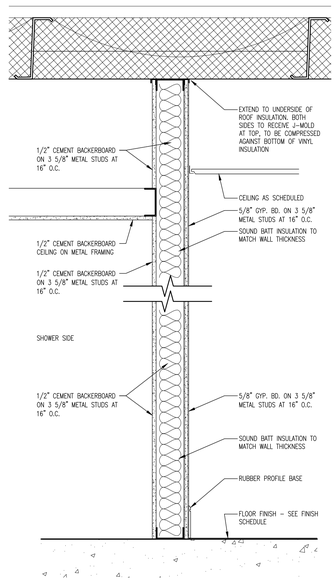
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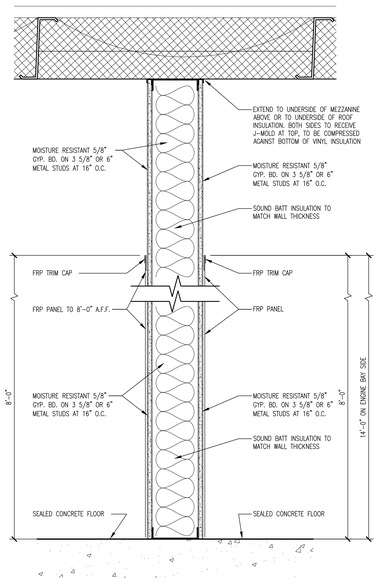
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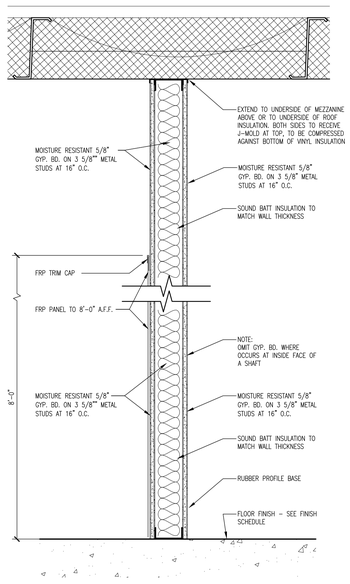
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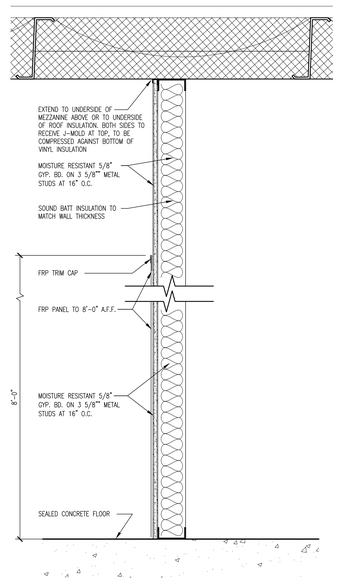
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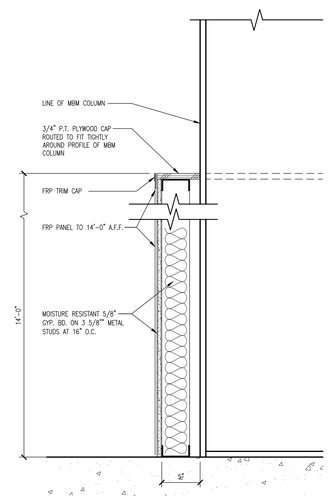
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ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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& Associates, P.C.
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STATE OF FLORIDA
FORREST CHRISTIAN DANIELL
AR0017802
REGISTERED ARCHITECT

JOB #:
DATE: 4/30/2026

A601

PARTITION TYPES

CEILING PLAN LEGEND

ABBREVIATIONS		MATERIAL LEGEND
LP	PREFINISHED LINER PANEL BY MBM	VINYL BACKED INSULATION: BY MBM, WHITE SIMPLE SAVER 2 LAYER R30 INSULATION
VBI	VINYL BACKED INSULATION BY MBM	AT-1: WHITE TEGULAR 2'X2' W/ 15/16" GRID EQUAL TO DUNE CEILING TILE BY ARMSTRONG
CB	1/2" CEMENT BOARD, PRIME AND PAINT	AT-2: WHITE FLAT 2'X2' W/ 15/16" GRID EQUAL TO VINYL FACED GYPSUM PANELS BY ARMSTRONG
PGB	5/8" GYP BOARD, PRIME AND PAINT	CB AT SHOWERS: 1/2" CEMENT BOARD TO BE PRIMED AND PAINTED W/ 2 COATS EPOXY PAINT
EXP	EXPOSED	PGB: GYP BOARD TO BE PRIMED AND PAINTED W/ 2 COATS SATIN LATEX FLAT WHITE PAINT
SP	PREFINISHED LINER SOFFIT BY MBM	LP: LINER PANEL BY MBM TO BE EQUAL TO MBCI ARTISON 12" WIDE SMOOTH PANEL
		SP-1: SOFFIT PANEL BY MBM TO BE EQUAL TO MBCI ARTISON 12" WIDE SMOOTH PANEL
		BM-1: PREFINISHED 24 GA BREAK METAL



1 A701 REFLECTED CEILING PLAN

3/16"=1'-0"

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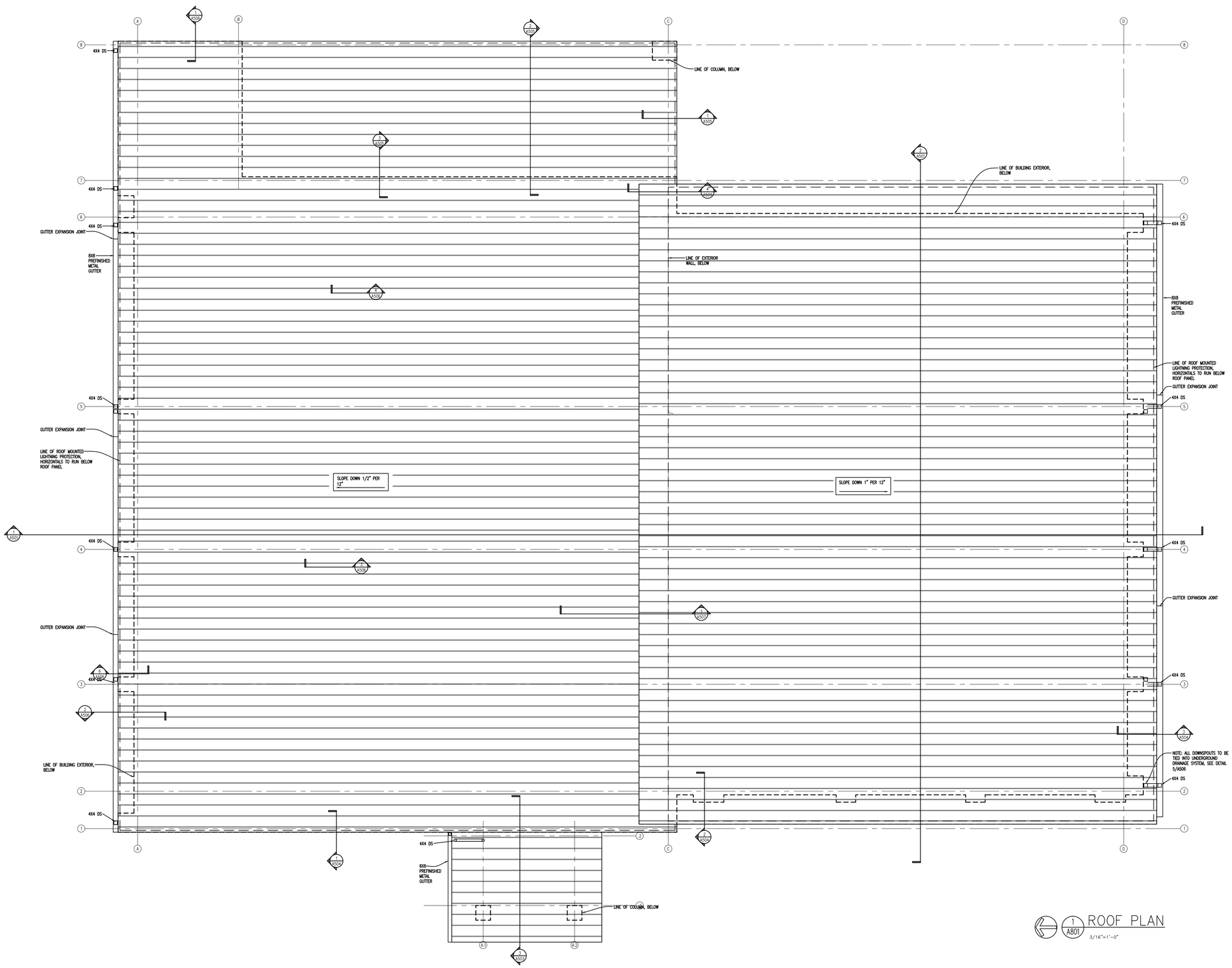
DATE: 4/30/2026

A701

REFLECTED CEILING PLAN

ROOF NOTES

1. ALL GUTTERS AND DOWNSPOUTS TO BE SUPPLIED AND INSTALLED BY MBM. GUTTERS AND DOWNSPOUTS ARE TO BE PREFINISHED, WITH A CONNECTION STRAP AT 48" OC.
2. ALL DOWNSPOUTS TO ARE TIE INTO UNDERGROUND PVC DRAIN SYSTEM. SEE CIVIL DRAWINGS.
3. STANDING SEAM METAL ROOF PANELS TO BE EQUAL TO MCBI KYNAR FINISH BATTENLOCK HS 24 GA. MECHANICALLY SEAMED. VERTICAL RIBS TO BE 2" HIGH @ 16" OC. PANEL AND ATTACHMENT TO PURLINS TO BE MEET LOCAL WIND SPEED REQUIREMENT PER STRUCTURAL DRAWINGS.
4. EXPOSED EXTERIOR METAL WALL PANELS TO BE EQUAL TO MBCI KYNAR FINISH PW-120 24 GA CONCEALED FASTENING SYSTEM. PANEL AND ATTACHMENT TO PURLINS TO MEET LOCAL WIND SPEED REQUIREMENT PER STRUCTURAL DRAWINGS.
5. EXTERIOR METAL WALL PANELS BEHIND BRICK VENEER TO BE EQUAL TO MBCI PBR PANEL 22 GA, REVERSE MOUNTED. BRICK TIES ARE TO BE SCREW ATTACHED TO PBR PANELS @ 16" OC EACH WAY.



1 A801 ROOF PLAN
3/16"=1'-0"

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JOB #:
DATE: 4/30/2026

A801
ROOF PLAN

GENERAL NOTES

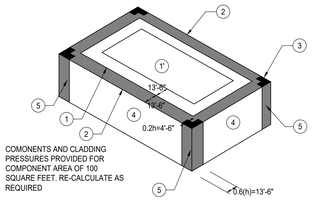
1. THE CONTRACTOR IS TO FIELD VERIFY ALL DIMENSIONS, ELEVATIONS, AND CONDITIONS PRIOR TO CONSTRUCTION OR FABRICATION.
2. THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND ANY APPLICABLE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO SLEEVES, HANGERS, INSERTS, ANCHORS, HOLES, AND OTHER ITEMS TO BE INCORPORATED INTO THE STRUCTURE.
3. THE STRUCTURAL DRAWINGS HEREIN REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL PROVIDE ALL TEMPORARY BRACING AND SUPPORTS REQUIRED TO ERECT AND HOLD THE STRUCTURE IN PROPER ALIGNMENT UNTIL ALL STRUCTURAL WORK, CURING, CONNECTIONS, ETC. HAVE BEEN COMPLETED. THE INVESTIGATION, DESIGN, SAFETY, ADEQUACY, AND INSPECTION OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC. IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. WHERE A DETAIL IS SHOWN FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS EVEN THOUGH NOT SPECIFICALLY CALLED FOR ON THE DRAWINGS.

DESIGN LOADS

1. GENERAL BUILDING CODE:
   -2021 INTERNATIONAL BUILDING CODE
   -ACI 318-14 BUILDING CODE FOR STRUCTURAL CONCRETE
   -AISC STEEL CONSTRUCTION MANUAL - 15TH EDITION
   -ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS...
4. WIND CODE:

WIND CODE:	ASCE 7-16
WIND SPEED:	179 MPH
OCCUPANCY CATAGORY:	IV
EXPOSURE CATAGORY:	B
INTERNAL PRESSURE COEFFICIENTS:	+0.18 AND -0.18

5. COMPONENTS AND CLADDING DESIGN WIND PRESSURES (TO BE USED FOR THE DESIGN OF EXTERIOR COMPONENT AND CLADDING MATERIALS NOT SPECIFICALLY DESIGNED BY THE REGISTERED DESIGN PROFESSIONAL OF RECORD)



COMONENTS AND CLADDING PRESSURES PROVIDED FOR COMPONENT AREA OF 100 SQUARE FEET. RE-CALCULATE AS REQUIRED

WIND COMPONENTS AND CLADDING (ELEMENTS)

ZONE	DESCRIPTION	PRESSURE
1	SECONDARY ROOF ZONE	+16.00, -61.00
1'	INTERIOR ROOF ZONE	+16.00, -44.85
2	ROOF EDGE ZONE	+16.00, -81.00
3	ROOF CORNER ZONE	+16.00, -96.40
4	INTERIOR WALL ZONE	+41.70, -45.85
5	WALL END ZONE	+41.70, -51.00

5. DESIGN CONCEPT: BUILDING IS DESIGNED TO BE LATERALLY SUPPORTED BY STEEL MOMENT FRAMES. ROOF LOADS TO BE SUPPORTED BY LIGHT GAGE METAL PURLINS. FOUNDATION IS SHALLOW AND SUPPORTED ON GRADE.
6. MAXIMUM ALLOWABLE MBM DEFLECTIONS: BUILDING DESIGN DEFLECTIONS OF PRIMARY AND SECONDARY BUILDING SUPPORT FRAMES:
   1. SUPPORT FRAME = H/400
   2. PURLINS = L/180
   3. GIRTS = L/120
   4. SHEETING = L/120
7. SEISMIC PER IBC SECTION 1607: NA (WIND GOVERNS DESIGN LOADS)

SITEWORK & SOIL NOTES

1. STRUCTURAL FILL SHALL BE COMPACTED TO 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY STANDARD PROCTOR, ASTM D698, AND AT LEAST 98% OF STANDARD PROCTOR WITHIN 1'-0" BELOW CONCRETE SUBGRADE. FILL SHALL BE PLACED IN LIFTS NOT TO EXCEED 8 INCHES IN COMPACTED FILL THICKNESS.
2. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE BEARING PRESSURE OF 2,000 P.S.F. AT MINIMUM 24" BELOW FINISHED SUB-GRADE LEVELS. MINIMUM CONTINUOUS FOOTING WIDTH IS 18 INCHES.
3. REMOVE ALL VEGETATION AND DEBRIS, INCLUDING PAVEMENTS, SIDEWALKS, BUILDING FOUNDATIONS, AND ABANDONED UTILITIES.
4. PROOFROLL THE EXPOSED SUBGRADE TO DETECT SOFT OR YIELDING SOILS. REMOVE ANY SOFT OR YIELDING SOILS, SCARIFY, MOISTURE CONDITION AND RECOMPACT IN ACCORDANCE WITH ASTM D-698.
5. PROVIDE A 15 MIL THICK VAPOR BARRIER BELOW THE CONCRETE SLAB. DO NOT PUNCTURE THE VAPOR BARRIER. LAP AND TAPE ENDS.
7. IT IS IMPERATIVE THAT THE ACTUAL BEARING GRADE BE CHECKED IN THE FIELD DURING CONSTRUCTION BY THE SOILS CONSULTANT TO ENSURE THAT THE FOUNDATION SYSTEM IS SUPPORTED BY SUITABLE BEARING SOILS AND WILL PERFORM IN ACCORDANCE WITH THE ASSUMED CONDITIONS.
8. PROVIDE POSITIVE DRAINAGE AWAY FROM EXCAVATIONS SO AS NOT TO ALLOW STANDING WATER FOR LONG PERIODS OF TIME.
9. SOILS EXCAVATED FROM THE SITE THAT ARE FREE OF DELETERIOUS MATERIALS MAY BE USED AS FILL.
10. FOOTING EXCAVATIONS LEFT OPEN FOR MORE THAN ONE DAY SHALL BE PROTECTED TO REDUCE EVAPORATION OR ENTRY OF SOIL MOISTURE.
11. WATER SHALL NOT BE ALLOWED TO COLLECT NEAR THE FOUNDATIONS OR FLOOR SLAB AREAS OF THE BUILDING EITHER DURING OR AFTER CONSTRUCTION. UNDERCUT OR EXCAVATION AREAS SHALL BE SLOPED TO ONE CORNER TO FACILITATE REMOVAL OF ANY COLLECTED GROUND WATER OR SURFACE RUNOFF.
12. REFER TO GEOTECHNICAL REPORT ISSUED BY SOUTHERN EARTH SCIENCES, DATED 04/01/26, FOR ALL SUBSURFACE PREPARATION. CONTRACTOR TO NOTE THAT THE SITE PREPARATION PROCEDURE CONTAINED IN THE REPORT SUPERCEDES ALL SOIL AND SITE INFORMATION PROVIDED BY GSE. THE GEOTECHNICAL ENGINEER OF RECORD SHALL BE RETAINED DURING CONSTRUCTION BY THE CONTRACTOR TO INSPECT EXCAVATION, PLACEMENT OF FILL, AND COMPACTION AS REQUIRED.

GENERAL CONCRETE NOTES

1. ALL CONCRETE NOT SPECIFICALLY NOTED = 4000 PSI @ 28 DAYS
2. REBAR: ASTM A615, GRADE 60
   DEFORMED WELDED WIRE FABRIC: ASTM A185
3. JOINT FILLER: VINYLFORM GRADE #300 BY SONNEBORN; CERAMAR FLEXIBLE FOAM BY W.R. MEADOWS; PLASTAZOTE BY E-POXY INDUSTRIES, INC. OR APPROVED EQUIVALENT.
6. MOISTEN SUBGRADE PRIOR TO PLACING CONCRETE.
7. FOR SPECIAL WEATHER CONCRETING - HOT & COLD WEATHER CONCRETING - FOLLOW ALL APPLICABLE ACI SPECIFICATIONS
8. CONCRETE FINISHES:
   A. BROOM FINISH AT EXTERIOR CONCRETE.
      1. WHEN CONCRETE HAS HARDENED SUFFICIENTLY, IT SHALL BE FLOATED TO A COMPACT AND SMOOTH SURFACE. FLOATING MAY BE ACCOMPLISHED WITH WOOD OR METAL FLOATS OR BY MECHANICAL FLOAT.
      2. AFTER FLOATING IS COMPLETED AND THE CONCRETE HAS HARDENED ENOUGH SO THAT IT WILL RETAIN THE SCORING, BRUSH THE SURFACE WITH A STEEL WIRE BROOM OR ONE MADE FROM STIFF COARSE FIBERS IN A DIRECTION TRANSVERSE TO THE DIRECTION OF TRAFFIC.
   B. TROWELLED FINISH AT INTERIOR CONCRETE.
      1. AFTER FLOATING IS COMPLETED AND THE CONCRETE HAS HARDENED ENOUGH SO THAT WATER AND FINE MATERIAL ARE NOT WORKED TO THE SURFACE, THE SURFACE SHALL BE THOROUGHLY TROWELLED BY MACHINE TROWELLING WITH A MOTOR DRIVEN ROTARY TROWEL. THE MACHINE COMPACTING, HAND AND MACHINE TROWELLING OPERATIONS SHALL LEAVE A SMOOTH, HARD, IMPERVIOUS, EVEN FINISH.
   C. THE HORIZONTAL SURFACES OF PUMP PADS, COLUMN PEDESTALS, TOPS OF WALLS, EQUIPMENT FOUNDATIONS REQUIRING GROUT, STAIR TREADS AND CONCRETE PADS FOR STAIRS SHALL RECEIVE A WOOD FLOAT FINISH UNLESS OTHERWISE SPECIFIED.
   D. VERTICAL SURFACES OF EXPOSED AREAS ARE TO RECEIVE A RUBBED FINISH USING A WOOD OR STEEL FLOAT OR BURLAP TO APPLY THE GROUT. EXCESS GROUT SHALL BE REMOVED.
9. DUSTING WITH ANY MATERIAL TO ABSORB SURFACE WATER IS PROHIBITED.
10. IMMEDIATELY AFTER FORMS ARE REMOVED, FILL ALL HONEYCOMB DEPRESSIONS OR OTHER VOIDS TO OBTAIN STRAIGHT AND FLUSH SURFACES.
11. VERTICAL SURFACES SHALL HAVE ALL TIE HOLES AND SURFACE IMPERFECTIONS CORRECTED WITH MORTAR.
12. CURING:
    APPLY LIQUID CURING COMPOUND TO HORIZONTAL SURFACES AS SOON AS POSSIBLE AFTER FINISHING, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. CURE VERTICAL SURFACES BY LEAVING FORMS IN PLACE A MINIMUM OF (7) DAYS.
13. REBAR DETAILING SHALL BE PER THE LATEST EDITION OF THE ACI BUILDING CODE AND DETAILING MANUAL.
14. CONSTRUCTION JOINTS:
    IN GENERAL, CONSTRUCTION JOINTS SHALL BE PLACED WHERE SHOWN ON THE DRAWINGS. JOINTS NOT SHOWN ON THE DRAWINGS SHALL BE APPROVED BY THE PROJECT ENGINEER AND SHALL BE LOCATED AND MADE SO AS TO LEAST IMPAIR THE STRENGTH OF THE STRUCTURE. ALL JOINTS SHALL BE KEYED AND DOWELED UNLESS OTHERWISE SHOWN ON THE DRAWINGS. WHERE A JOINT IS TO BE MADE, THE SURFACE OF THE CONCRETE SHALL BE THOROUGHLY CLEANED AND ALL LAITANCE REMOVED. IN ADDITION, VERTICAL JOINTS SHALL BE THOROUGHLY WETTED, AND SLUSHED WITH A COAT OF NEAT CEMENT GROUT IMMEDIATELY BEFORE PLACING OF NEW CONCRETE.
15. EARLY ENTRY SAW CUTTING SHOULD BE PERFORMED IN GREEN CONCRETE AS SOON AS SUFFICIENT CURING HAS TAKEN PLACE TO SUPPORT THE WEIGHT OF THE OPERATOR AND SAW. CUTS SHOULD BE PERFORMED USING A BLADE SPECIFICALLY DESIGNED FOR DRY EARLY ENTRY CUTTING.
16. CONTINUOUS FOUNDATION BARS SHALL HAVE SPLICES STAGGERED A MINIMUM OF 4'-0". ALL LAP SPLICES SHALL BE MADE WITH A MINIMUM LENGTH OF 36 BAR DIAMETERS. MAKE ALL BARS CONTINUOUS AROUND CORNERS BY USE OF CORNER BARS.
17. DETAIL BARS IN ACCORDANCE WITH A.C.I. DETAILING MANUAL AND A.C.I. BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE, LATEST EDITIONS. NO WELDING OF REINFORCEMENT SHALL BE ALLOWED UNLESS NOTED OR OTHERWISE APPROVED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
18. PROVIDE THE FOLLOWING CONCRETE COVER FOR ALL REINFORCEMENT:
    1. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH = 3"
    2. ALL OTHER AREAS = 1 1/2"
19. PROVIDE 3/4" CHAMFER OR RADIUS ON ALL EXPOSED CORNERS.
20. CONTRACTOR SHALL NOT PLACE ANY CONCRETE REINFORCEMENT UNTIL REINFORCING SHOP DRAWINGS HAVE BEEN SUBMITTED, REVIEWED AND RETURNED BY THE ARCHITECT AND STRUCTURAL ENGINEER. REINFORCING SHOP DRAWINGS SHALL CONSIST OF BOTH "CUT" AND PLACING SHEETS. PLACING SHEETS SHALL CONTAIN ALL INFORMATION NECESSARY TO POSITION ALL REINFORCING STEEL IN THE FIELD WITHOUT HAVING TO REFER TO THE STRUCTURAL DRAWINGS. ARCHITECTURAL AND STRUCTURAL DRAWINGS ARE NOT PERMITTED FOR USE AS SHOP DRAWINGS. ARCHITECTURAL AND STRUCTURAL DRAWINGS SHALL NOT BE REPRODUCED IN ANY MANNER FOR USE AS SHOP DRAWINGS.
21. EMBEDMENT AND LAP SPLICES OF ALL REINFORCEMENT SHALL CONFORM TO THE FOLLOWING SCHEDULES, UNLESS NOTED OTHERWISE.
    A. EMBEDMENT LENGTHS:
       #3 - 14" #6 - 28" #9 - 54"
       #4 - 14" #7 - 42" #10 - 60"
       #5 - 24" #8 - 48" #11 - 66"
    B. LAP SPLICE LENGTHS:
       #3 - 19" #6 - 37" #9 - 70"
       #4 - 25" #7 - 54" #10 - 79"
       #5 - 31" #8 - 62" #11 - 87"
22. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, ENGINEERING, STRUCTURAL ADEQUACY, AND CONSTRUCTION OF ALL SOIL RETAINING STRUCTURES AND CONCRETE SHORING AND FORMWORK IN ACCORDANCE WITH THE CONTRACT SPECIFICATIONS.
23. COORDINATE ALL CONCRETE WORK WITH THE PLACEMENT OF PIPING, INSERTS, FLOOR DRAINS, AND OTHER EMBEDDED ITEMS INDICATED ON THE CONTRACT DRAWINGS.

STEEL FORM DECK AT SECOND FLOOR:

1. STEEL DECK SHALL BE 0.6" 22 GAUGE (U.N.O.) GALVANIZED MIN. 30" WIDE SHEETS. PROVIDE VULCRAFT TYPE 0.6C22 (UNLESS GAGE IS NOTED OTHERWISE).
2. STEEL DECK SHALL BE ERECTED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS. DECK TO BE INSTALLED CONTINUOUSLY OVER A MINIMUM OF (3) THREE SUPPORTS.
3. DECK TO BE FASTENED TO ALL SUPPORTS IN A 30/4 PATTERN (MIN.) WITH #12 TEK SCREWS. ATTACH DECK TO SUPPORTS ALONG PERIMETER AND EDGES WITH #12 TEK SCREWS SPACED AT 12" O.C.
4. PROVIDE THREE (3) #10 TEK SCREWS AT ALL PANEL SIDE LAPS BETWEEN SUPPORTS. SPACE SIDE LAP SCREWS EQUALLY BETWEEN SUPPORTS.
5. PROVIDE L3x3x3/16 FRAMING (U.N.O.) AROUND ALL OPENINGS LARGER THAN 6". FASTEN ANGLES TO SUPPORTS w/ #12 TEK SCREW SPACED AT 16" O.C.

ANCHOR BOLTS AND THREADED ROD

1. ALL FOUNDATION ANCHOR BOLTS TO BE F1554 GRADE 36 STEEL UNLESS SPECIFICALLY NOTED OTHERWISE
2. LOCATE ANCHOR BOLTS ACCURATELY, SET WITH TEMPLATES, AND SECURELY HOLD IN POSITION WHILE PLACING CONCRETE. PROTECT IN-PLACE ANCHOR BOLTS FROM CONSTRUCTION ACTIVITY.
3. INSERTING ANCHOR BOLTS INTO FRESH OR PARTIALLY HARDENED CONCRETE IS PROHIBITED. SUBSTITUTING CONCRETE/EXPANSION OR ADHESIVE ANCHORS WHERE EMBEDDED ANCHOR BOLTS ARE SHOWN IS PROHIBITED UNLESS NOTED OTHERWISE.
4. ALL ANCHOR BOLTS SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESS RUST, MILL SCALE, GREASE, ETC.

TYPICAL BRICK LINTEL SCHEDULE

SPAN	STEEL ANGLE FOR BRICK SUPPORT*	LENGTH PAST ROUGH OPENING
L < 3-6"	L3-1/2"x3-1/2"x3/8	1 COURSE U.N.O.
3'-6" < L < 5'-0"	L5"x31/2"x3/8	2 COURSE U.N.O.
**L > 5'-0"	L7"x4"x3/8	2 COURSE U.N.O.

*EXPOSED STEEL ANGLES TO BE HOT DIP GALV.
**10'-0" MAX SPAN

LIGHT GAGE FRAMING:

1. THE STRUCTURAL DRAWINGS REPRESENT AND COMPLETE LIGHT GAGE FRAMING DESIGN, BUT DOES NOT INCLUDE SHOP-LEVEL DETAILS AND ERECTION DRAWINGS. IN ORDER TO ASSURE PROPER INSTALLATION IN THE FIELD, THE CONTRACTOR IS RECOMMENDED TO PREPARE AND SUBMIT LIGHT GAGE SHOP DRAWINGS INDICATING DETAILS, FABRICATION AND ERECTION OF LIGHT GAGE STEEL FRAMING. DRAWINGS SHALL INCLUDE LAYOUT, SPACING, MATERIAL, MEMBER SECTION PROPERTIES AND DETAILS OF CONNECTION FOR ALL LIGHT GAGE FRAMING MEMBERS INDICATED ON THE STRUCTURAL DRAWINGS.
2. THE AMERICAN IRON AND STEEL INSTITUTE STANDARDS ARE USED IN THIS PACKAGE. ANY MANUFACTURER WHOSE PRODUCT GEOMETRIES MEETS OR EXCEED AISI STANDARDS AND WHO IS PART OF A CODE COMPLIANCE PROGRAM THAT INCLUDES THIRD PARTY PHYSICAL AUDITS IS ACCEPTABLE TO COMPLY WITH THE DESIGN INTENT.
3. THE LAST TWO NUMBERS INDICATE THE STEEL THICKNESS:

GAGE	DESIGN	MINIMUM	AISI
20	0.0346"	0.0329"	33 MILS
18	0.0451"	0.0428"	43 MILS
16	0.0566"	0.0538"	54 MILS
14	0.0713"	0.0677"	68 MILS
12	0.1017"	0.0966"	97 MILS

4. ALL FIELD CUTTING OF STUDS MUST BE DONE BY SAWING, SHEARING, OR PLASMA CUTTING. OTHER TORCH CUTTING METHODS OF COLD-FORMED MEMBERS ARE UNACCEPTABLE.
5. NO NOTCHING OR COPING OF STUDS IS ALLOWED, UNLESS DETAILED WITHIN THIS DRAWING PACKAGE.
6. SPLICING OF WALL STUDS IS NOT ALLOWED, UNLESS OTHERWISE DETAILED WITHIN THIS DRAWING PACKAGE.
7. FRAMING FABRICATOR IS TO ENSURE PUNCH OUT ALIGNMENT WHEN ASSEMBLING LATERAL BRACING AND FIELD CUTTING STUDS TO LENGTH. LATERAL BRACING MUST BE INSTALLED AT THE TIME THE WALL IS ERECTED. FAILURE TO INSTALL BRACING AT THIS TIME MAY COMPROMISE THE STRUCTURAL INTEGRITY OF THE BUILDING.
8. TEMPORARY BRACING (BY OTHERS) OR OTHER MEANS OF STABILIZATION MAY BE REQUIRED UNTIL FRAMING IS IN ITS STABLE AND FINAL CONDITION.
9. SPANDREL WALL STUDS FRAMING ABOVE A WINDOW, AND HAVING CONNECTIONS TO THE TOP AND BOTTOM OF THE SAME BEAM, OR HAVING A SINGLE CONNECTION TO A BEAM, AND A KICKER TO ANOTHER STRUCTURAL ELEMENT, MAY REQUIRE SLIP CONNECTIONS AT THE HEAD OF THE WINDOW. IN SUCH SITUATIONS, THE ENGINEER OF RECORD SHALL VERIFY THAT THE WINDOW SYSTEM IS DESIGNED ACCORDINGLY.
10. USE MINIMUM OF TWO STUDS AT THE CORNER OF ALL WALLS ADDRESSED IN THIS SUBMITTAL UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS OR THIS DRAWING PACKAGE.
11. USE MINIMUM OF THREE STUDS AT THE INTERSECTION OF ALL LOAD BEARING WALLS (EXTERIOR/OR INTERIOR) UNLESS NOTED OTHERWISE IN THE CONTRACT DOCUMENTS OR THIS DRAWING PACKAGE.
12. JOIST OR ROOF MEMBER MUST BEAR DIRECTLY OVER STUD. IF NOT, A STRUCTURAL DISTRIBUTION MEMBER
13. (DESIGNED ACCORDINGLY) IS REQUIRED ON TOP OF RUNNER TRACK FOR PROPER BEARING AND ANCHORAGE.
14. STUDS FROM FLOOR ABOVE MUST BEAR DIRECTLY OVER STUDS OR JOISTS. IF NOT, A STRUCTURAL DISTRIBUTION MEMBER (DESIGNED ACCORDINGLY) IS REQUIRED ON TOP OF JOIST FOR PROPER BEARING.
15. ALL HEADERS/BUILT-UP BEAMS ARE TO BE CONSTRUCTED WITH UNPUNCHED MATERIAL ONLY.
16. SPLICING OF HEADERS IS NOT ALLOWED, UNLESS OTHERWISE DETAILED WITHIN THIS DRAWING PACKAGE.
17. IF ADDITIONAL HOLES ARE REQUIRED IN THE METAL STUDS OR JOISTS, CONTACT EOR FOR GUIDANCE BEFORE CUTTING HOLES.
18. PER THE AISI STANDARD FOR COLD-FORMED FRAMING - WALL DESIGN, THE MAXIMUM ALLOWABLE GAP (MEASURED BETWEEN THE WEB OF THE STUD AND THE WEB OF THE TRACK) FOR A STUD SEATED IN A TRACK IS 1/4" FOR NON-AXIAL LOAD BEARING CONDITIONS AND 1/8" FOR AXIAL LOAD BEARING CONDITIONS (U.N.O.). PRESSURE SHOULD BE APPLIED TO NEST THE STUDS INTO THE TRACKS UNTIL THE TOLERANCES LISTED ABOVE ARE ACHIEVED. FAILURE TO DO SO COULD RESULT IN SERVICEABILITY PROBLEMS IN THE FUTURE.

LIGHT GAGE FRAMING (CONT.):

19. ALL SCREW CONNECTIONS ARE BASED ON NASPEC SECTION E4, WHICH OUTLINES THE AISI SPECIFICATION PROVISIONS FOR SCREW CONNECTIONS.
20. FOR SCREWS, A MINIMUM OF 1.5 X SCREW DIAMETER CLEARANCE MUST BE MAINTAINED FROM ALL EDGES OF STEEL MEMBERS. A MINIMUM OF 3.0 X SCREW DIAMETER ON-CENTER SPACING MUST BE MAINTAINED BETWEEN ADJACENT SCREWS.
21. IF REQUIRED, ALL WELDED CONNECTIONS ARE TO BE PERFORMED IN ACCORDANCE WITH THE LATEST VERSION OF AWS D1.3 SPECIFICATIONS FOR WELDING SHEET STEEL IN STRUCTURES. CONSULT AWS D19.0 WELDING ZINC COATED STEEL AND ANSI STANDARD Z49.1 FOR INFORMATION REGARDING SAFE WELDING PROCEDURES.
22. SUGGESTED WELD METAL AND PROCESS FOR SHOP WELDING ARE 60 KSI WELD METAL STRENGTH (MIN., U.N.O.). SUGGESTED METHODS FOR FIELD WELDING ARE 1/8" (U.N.O.) E60XX (MIN., U.N.O.) ELECTRODE-SMAW, OR "GASLESS" MIG. MINIMUM WELD THROAT THICKNESS (T) MUST MATCH OR EXCEED THE BASE STEEL THICKNESS OF THE THINNEST CONNECTED PART UNLESS NOTED OTHERWISE.
23. IN WELDING, THE ZINC COATING ON STEEL FRAMING WILL BE BURNED AWAY; THEREFORE, A ZINC RICH PAINT MUST BE APPLIED TO THE WELD AREA TO PROVIDE CORROSION RESISTANCE.
24. ANY SUBSTITUTION OF FASTENERS WITH EQUIVALENT PROPERTIES (HEAD/SHANK DIAMETER, LOAD CARRYING CAPACITIES, EDGE DISTANCES, FASTENER SPACING, ETC.) MUST BE SUBMITTED TO CDES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.
25. THE CONTRACTOR SHALL VERIFY THAT FASTENERS ARE INSTALLED ACCORDING TO EOR AND MANUFACTURER'S INSTRUCTIONS.
26. DRIFT CONNECTION NECESSITY TO ALLOW FOR PRIMARY STRUCTURE MOVEMENT IS THE RESPONSIBILITY OF THE ENGINEER OF RECORD. IF THE CONTRACT DOCUMENTS DO NOT INDICATE THIS REQUIREMENT, THIS DRAWING PACKAGE WILL NOT INCLUDE DRIFT CONNECTIONS.
27. ALL POWDER ACTUATED FASTENERS (PAF) SHALL BE THOSE AS MANUFACTURED AND TESTED BY HILTI OR EQUAL.
28. DESIGN PERFORMED IN ACCORDANCE WITH THE AISI "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS".
29. THE LATEST EDITION OF THE AMERICAN IRON AND STEEL INSTITUTE "CODE OF STANDARD PRACTICE FOR COLD-FORMED STEEL STRUCTURAL FRAMING" SHALL BE USED AS THE REFERENCE OF STANDARD PRACTICES.
30. DIMENSIONS SHOWN IN THIS DRAWING PACKAGE ARE FOR DESIGN REFERENCE ONLY. ARCHITECTURAL AND BUILDING SHOP DRAWINGS SHOULD BE USED TO DETERMINE EXACT DISTANCES AND ALL CONDITIONS SHOULD BE FIELD VERIFIED BEFORE ERECTION.

SPECIAL INSPECTIONS:

1. THE CONTRACTOR SHALL INCLUDE IN THE BID THE COST OF ALL TESTING AND INSPECTIONS INDICATED ON THE PLANS AND IN THE SPECIFICATIONS, INCLUDING SPECIAL INSPECTIONS REQUIRED BY THE BUILDING CODE. THE ACTUAL CONTRACTING OF THE INSPECTION AND TESTING SERVICES SHALL BE IN ACCORDANCE WITH THE DIVISION OF RESPONSIBILITY DICTATED BY THE LOCAL BUILDING CODE.
2. IBC SECTION 1704 REQUIRES THAT IN ADDITION TO THE INSPECTIONS REQUIRED BY SECTION 109, THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS WHO SHALL PROVIDE INSPECTIONS DURING CONSTRUCTION OF CERTAIN TYPES OF WORK.
3. "SPECIAL INSPECTION" CONCERNS WORK REQUIRING OBSERVATION AND JUDGEMENT AND SHALL BE PERFORMED BY A STRUCTURAL ENGINEER (OR A DESIGNATED PERSON UNDER THE SUPERVISION OF THE ENGINEER). "TESTING" INVOLVES THE ANALYSIS OF MATERIALS IN ACCORDANCE WITH APPROVED STANDARDS AND SHALL BE PERFORMED BY AN INDEPENDENT TESTING AGENCY.
4. THE CONTRACTOR SHALL COORDINATE THE TESTING AND INSPECTION SERVICES IN ACCORDANCE WITH THE PROGRESS OF THE WORK. THE CONTRACTOR SHALL PROVIDE SUFFICIENT PRIOR NOTICE TO THE TESTING AND/OR INSPECTION AGENCY OF THE REQUIRED WORK TO ALLOW PROPER SCHEDULING OF PERSONNEL. THE COST OF ANY RETESTING OR ADDITIONAL INSPECTIONS AS A RESULT OF FAILED TESTS AND REJECTED WORK SHALL BE BORNE BY THE CONTRACTOR.
5. THIS PROJECT REQUIRES A STRUCTURAL TESTING AND SPECIAL INSPECTION SCHEDULE, TO BE SIGNED BY THE OWNER, CONTRACTOR, ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND TESTING AGENCY. REFER TO THE PROGRAM SUMMARY SCHEDULE FOR FREQUENCY OF TESTING AND INSPECTIONS.

REQUIRED SPECIAL INSPECTIONS

DESCRIPTION OF WORK IBC SECTION 1704		INSPECTION YES	INSPECTION NO	TESTING YES	TESTING NO	N/A	REMARKS
1. Concrete Construction	(1704.4)	●		●			6A
2. Soils	(1704.7)		●	●			6B
3. Steel	(1704.3)	●					6C

6. SPECIAL INSPECTION WORK REQUIRED INCLUDE CONVENTIONAL TESTING NOT STRICTLY A PART OF SECTION 1704 BUT ARE REQUIRED FOR ADEQUATE QUALITY ASSURANCE AND CAN BE PROVIDED BY THE CONTRACTOR. ALL OTHER WORK MUST BE PROVIDED BY THE OWNER AS INDICATED BY THE INTERNATIONAL BUILDING CODE

6A. CONCRETE TESTING
- A. PROVIDE MIX DESIGN IN ACCORDANCE WITH ACI REQUIREMENTS.
- B. TEST CONCRETE AT THE TIME OF POURING FOR SLUMP, AIR-ENTRAINMENT, AND TEMPERATURE IN ACCORDANCE WITH THE SPECIFICATIONS.
- C. MAKE AND TEST CONCRETE CYLINDERS FOR REPRESENTATIVE STRENGTH IN ACCORDANCE WITH THE SPECIFICATIONS.
- D. PROVIDE PERIODIC VISUAL INSPECTION OF REINFORCING:
  - VISUAL INSPECTION OF 25% OF CONTINUOUS STRIP FOOTINGS PRIOR TO POUR
  - VISUAL INSPECTION OF 50% OF SLAB ON GRADE

6B. SOILS
- A. VERIFY FOOTING EXCAVATION FOR SUITABILITY FOR PLANNED FOOTING.
- B. VERIFY MATERIAL USED FOR COMPACTED BACKFILL.
- C. TEST COMPACTED BACKFILL FOR SPECIFIED COMPACTION.

6C. STEEL
- A. MATERIAL VERIFICATION OF HIGH-STRENGH BOLTS, NUTS AND WASHERS
- B. REVIEW PRE-ENGINEERED BUILDING MANUFACTURER'S CERTIFICATE OF
- C. COMPLIANCE
- D. INSPECTION OF HIGH-STRENGTH BOLTED CONNECTION TYPES
- E. MATERIAL VERIFICATION OF HIGH-STRENGH BOLTS, NUTS AND WASHERS
- F. MATERIAL VERIFICATION OF WELD FILLER MATERIALS
- G. INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH APPROVED CONSTRUCTION DOCUMENTS:
  - DETAILS SUCH AS BRACING AND STIFFENING
  - MEMBER LOCATIONS
  - APPLICATION OF DETAILS AT EACH CONNECTION

ABBREVIATIONS:

A.F.F.	ABOVE FINISH FLOOR	Ø	DIAMETER
B.F.F.	BELOW FINISH FLOOR	A.B.	ANCHOR BOLT
B.O.S.	BOTTOM OF STEEL	℄	CENTERLINE
C.B.	CASTELLATED BEAM	CMU	CONCRETE MASONRY UNIT
C.J.	CONTROL JOINT	CONC.	CONCRETE
CONT.	CONTINUOUS	FDN	FOUNDATION
E.F.	EACH FACE	GALV.	GALVANIZED
E.J.	EXPANSION JOINT	T.O.F.	TOP OF FOOTING
E.W.	EACH WAY	T.O.J.	TOP OF JOIST
E.O.F.	EDGE OF FOUNDATION	T.O.M.	TOP OF MASONRY
T-1	TRUSS	T.O.S.	TOP OF STEEL
T.O.C.	TOP OF CONCRETE	U.N.O.	UNLESS NOTED OTHERWISE
∠	ANGLE	DBA	DEFORMED BAR ANCHOR
REQ'D	REQUIRED	U.N.O.	UNLESS NOTED OTHERWISE
T&B	TOP AND BOTTOM	WWF	WELDED WIRE FABRIC

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REVISIONS

1	ISSUED FOR BID 07-10-2026
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JANE E. SEST LICENSED PROFESSIONAL ENGINEER No. 76216 STATE OF FLORIDA
07/10/2026

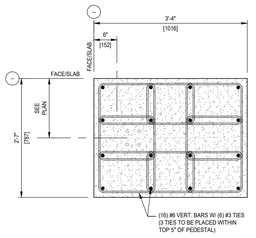
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DATE: 7/10/2026

S001
STRUCTURAL NOTES

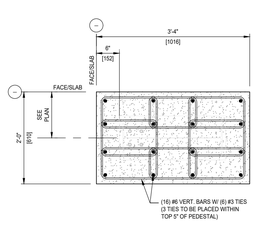
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MAINTENANCE BUILDING FOOTING SCHEDULE					
TYPE	L x W	DEPTH	T.O.C.	REBAR	PEDESTAL
F01	6'-0"x6'-0"	1'-6"	(-)24"	#5 AT 10" O.C. EACH WAY (BOT) #5 AT 10" O.C. EACH WAY (TOP)	TYPE '01'
F02	7'-0"x7'-0"	1'-6"	(-)24"	#6 AT 10" O.C. EACH WAY (BOT) #6 AT 10" O.C. EACH WAY (TOP)	TYPE '02'
F03	7'-0"x7'-0"	1'-6"	(-)24"	#6 AT 10" O.C. EACH WAY (BOT) #6 AT 10" O.C. EACH WAY (TOP)	TYPE '03'
F04	7'-0"x7'-0"	1'-6"	(-)24"	#6 AT 10" O.C. EACH WAY (BOT) #6 AT 10" O.C. EACH WAY (TOP)	TYPE '04'

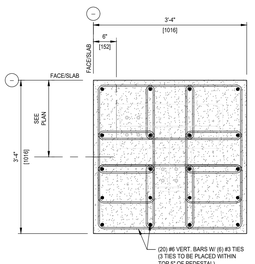
LEGEND	
CJ	EARLY ENTRY SAW CUT CONTROL JOINT; REFER TO TYP. DETAILS ON S201
	LOAD BEARING INT. WALL: 362S162-54 LIGHT GAUGE STEEL STUDS AT 16" O.C. WITH BLOCKING AT 48" O.C. MAX, REFER TO TYPICAL STUD WALL DETAILS ON S202
	LOAD BEARING INT. WALL: 600S162-54 LIGHT GAUGE STEEL STUDS AT 16" O.C. WITH BLOCKING AT 48" O.C. MAX, REFER TO TYPICAL STUD WALL DETAILS ON S202
	8" CONCRETE MASONRY BLOCK WALL W/ #6 BARS VERT. AT 16" O.C. (ALL CELLS GROUT FILLED)
	BUILT UP CFS HEADER / BEAM PER DETAIL 4/S202



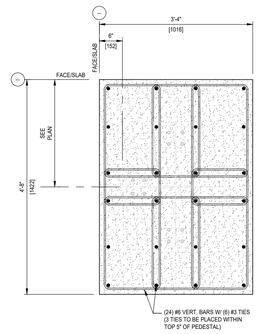
PEDESTAL TYPE '01'
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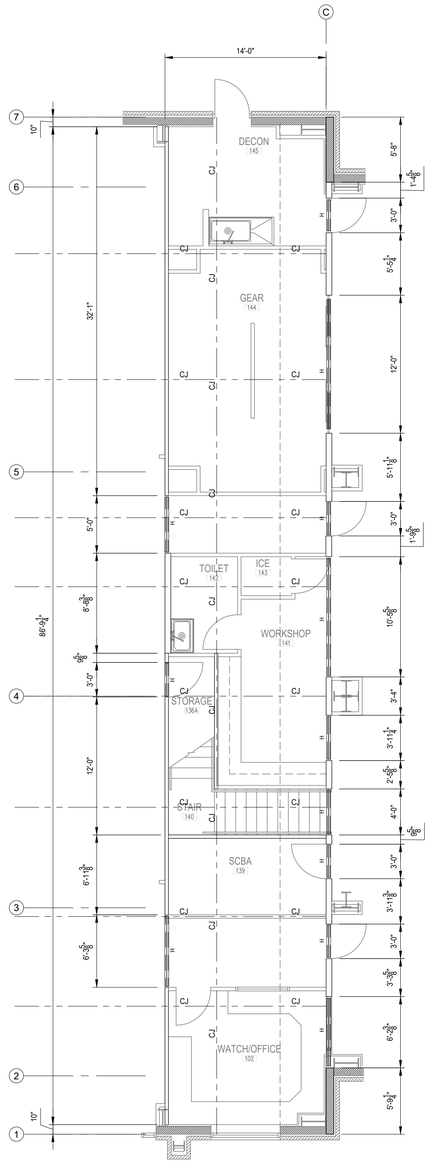
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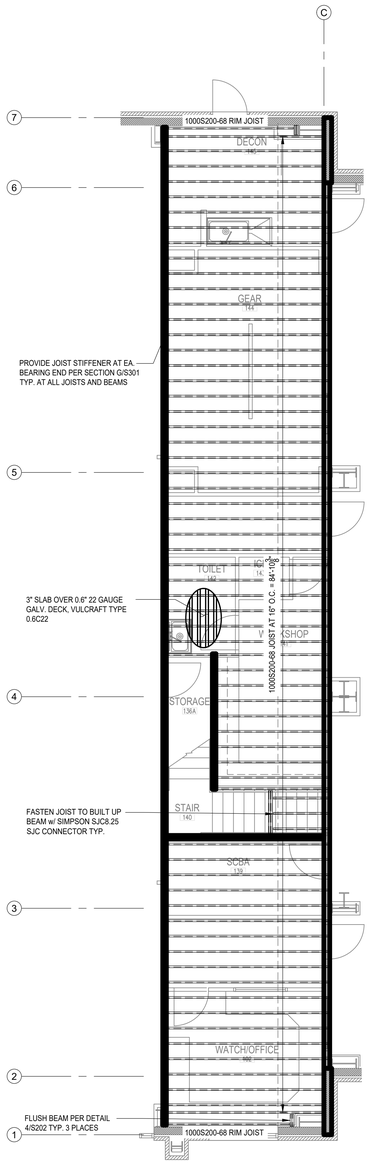
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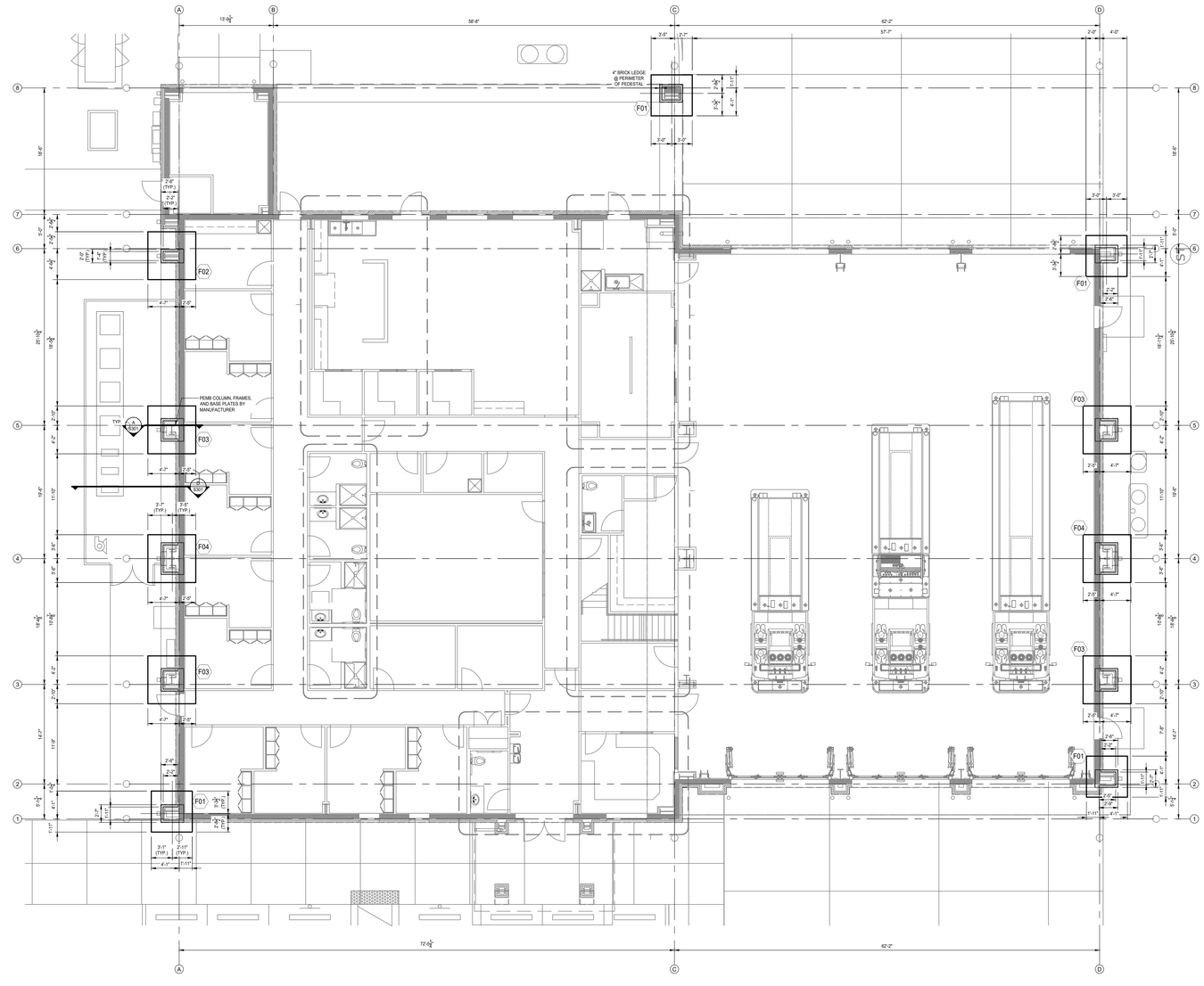
PEDESTAL TYPE '04'
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LIGHT GAUGE WALL AND HEADER FRAMING AT MEZZANINE
SCALE: 3/16" = 1'-0"



LIGHT GAUGE FRAMING MEZZANINE
SCALE: 3/16" = 1'-0"



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

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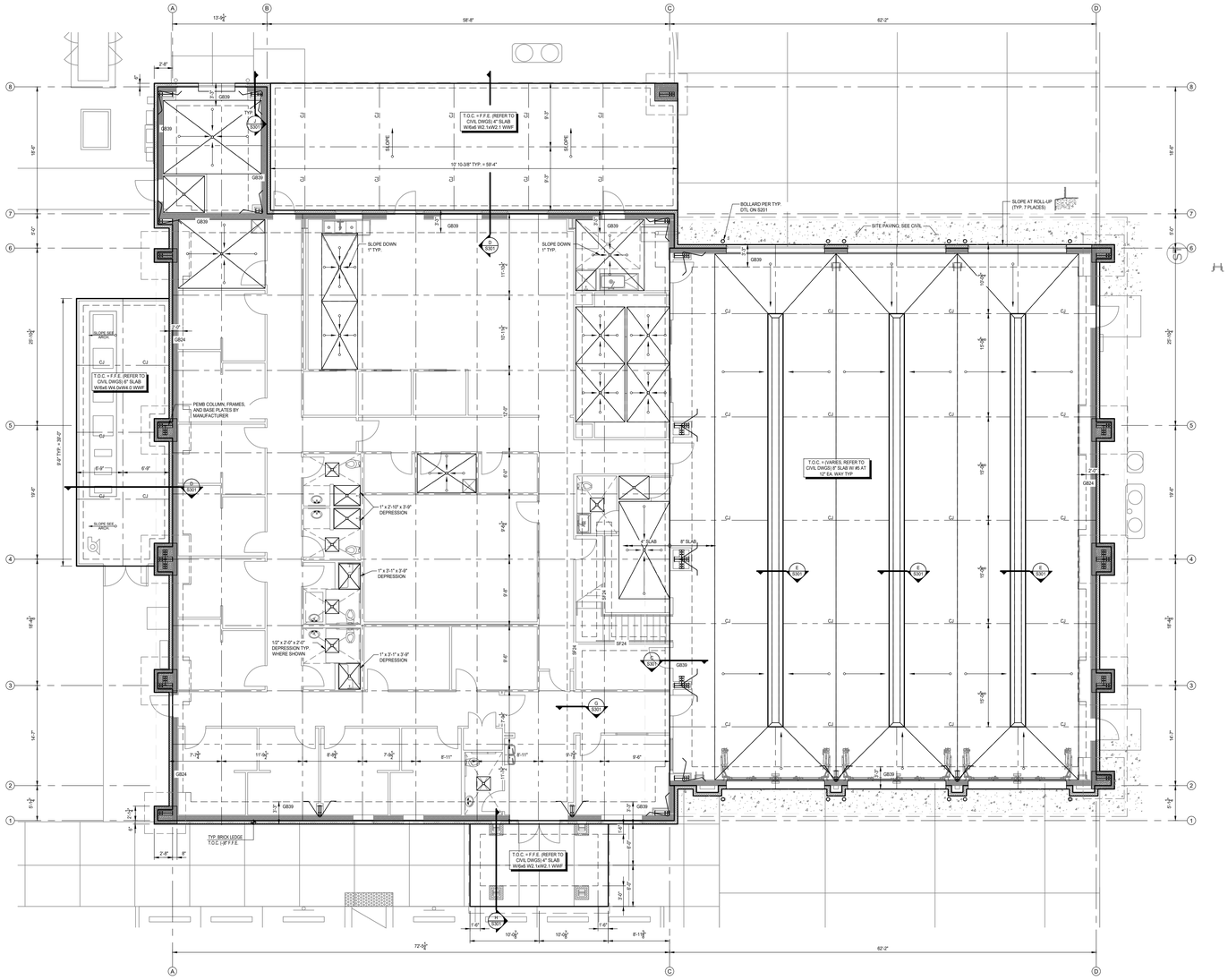
REVISIONS
1 FRONT CANOPY REV 06-24-2026
2 ISSUED FOR BID 07-10-2026
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S. LANE, SEAL, LICENSE, No 78216, STATE OF FLORIDA, PROFESSIONAL ENGINEER
07/10/2026

JOB #
DATE: 7/10/2026

S101
FOUNDATION PLAN

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TYPICAL SLAB NOTES

1. SAW CUT LOCATIONS ARE GENERALLY INDICATED ON PLAN; FINAL LOCATIONS SHALL BE VERIFIED DURING REINFORCEMENT SHOP DRAWING PROCESS
2. COMPLY WITH EARLY SAW CUT CONTROL JOINT DETAILS; EARLY ENTRY SAW CUTTING SHALL BE PERFORMED IN GREEN CONCRETE AS SOON AS SUFFICIENT CURING HAS TAKEN PLACE TO SUPPORT THE WEIGHT OF THE OPERATOR AND SAW. CUTS SHOULD BE PERFORMED USING A BLADE SPECIFICALLY DESIGNED FOR DRY EARLY ENTRY CUTTING.
3. CONTRACTOR MAY REPLACE SAW CUT CONTROL JOINTS WITH DIAMOND DOWEL CONSTRUCTION JOINTS WHERE NECESSARY

STRIP FOOTING / GRADE BEAM SCHEDULE	
GB24	2'-0" WIDE x 2'-0" DEEP GRADE BEAM w/ (5) #3 BARS CONTINUOUS TOP AND BOTTOM WITH #4 TIE BARS AT 24"
GB39	3'-3" WIDE x 2'-0" DEEP GRADE BEAM w/ (5) #5 BARS CONTINUOUS TOP AND BOTTOM WITH #4 TIE BARS AT 24"
SF24	2'-0" WIDE x 8" DEEP STRIP FOOTING w/ (3) #5 BARS CONTINUOUS BARS

4" SLAB ON GRADE DESIGN LOADS
UNIFORM DISTRIBUTED LOAD.....125 PSF CONSTRUCTION LOAD (3-TON FORKLIFT).....6,200 LB
4" SLAB ON GRADE REINFORCEMENT
6x6 W2.1xW2.1 WWF PER DETAIL 3/S201

8" SLAB ON GRADE DESIGN LOADS
UNIFORM DISTRIBUTED LOAD.....500 PSF H-25 TRUCK WHEEL LOAD.....13 TONS
8" SLAB ON GRADE REINFORCEMENT
#5 BARS AT 12" ON CENTER EACH WAY PER DETAIL 1/S201

LEGEND	
CJ	EARLY ENTRY SAW CUT CONTROL JOINT; REFER TO TYP. DETAILS ON S201
	LOAD BEARING INT. WALL: 362S162-54 LIGHT GAUGE STEEL STUDS AT 16" O.C. WITH BLOCKING AT 48" O.C. MAX, REFER TO TYPICAL STUD WALL DETAILS ON S202
	BUILT UP CFS HEADER / BEAM PER DETAIL 4/S202

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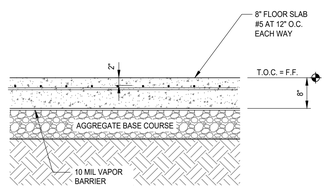
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JANE SESSIONS CENTENNIAL No. 76216 STATE OF FLORIDA PROFESSIONAL ENGINEER
07/10/2026

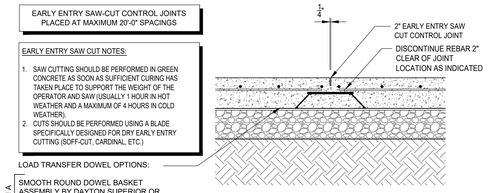
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DATE: 7/10/2026

S102
SLAB PLAN

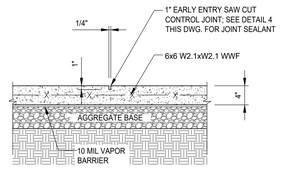
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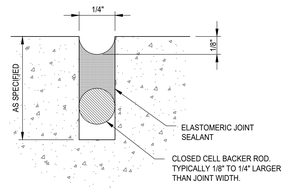
DETAIL 1
8" SLAB ON GRADE DESIGN
SCALE: 3/4"=1'-0"



DETAIL 2
8" SLAB CONTROL JOINT
SCALE: 3/4"=1'-0"



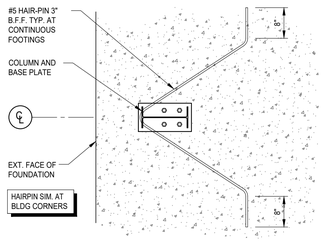
DETAIL 3
4" SLAB SAW-CUT CONTROL JOINT
SCALE: 3/4"=1'-0"



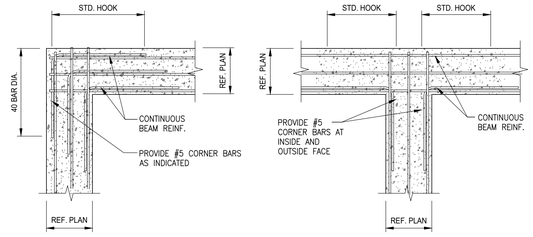
DETAIL 4
TYP. JOINT SEALANT AT SAW CUT
SCALE: NTS

TYPICAL JOINT SEALANT NOTES:

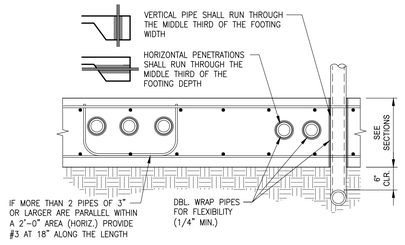
1. WAIT AS LONG AS FEASIBLE TO SEAL JOINTS TO ALLOW CONCRETE SHRINKAGE TO OCCUR. IF REQUIRED, RE-SAW JOINT IMMEDIATELY PRIOR TO INSTALLING SEALANT TO ACHIEVE A 1/4" JOINT WIDTH.
2. ENSURE JOINTS ARE CLEAN AND DRY PRIOR TO THE APPLICATION OF THE JOINT SEALANT.
3. INSTALL CLOSED CELL BACKER ROD AFTER JOINTS HAVE BEEN CLEANED AND DRIED IN ACCORDANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.
4. INSTALL BACKER ROD AT CONSISTENT AND UNIFORM DEPTH.
5. JOINT SEALANT APPLICATION SHALL BE IN STRICT COMPLIANCE WITH SEALANT MANUFACTURER'S REQUIREMENTS.



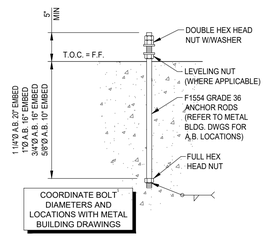
DETAIL 5
COLUMN HAIRPIN REINFORCEMENT
SCALE: 3/4"=1'-0"



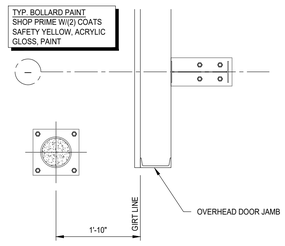
DETAIL 6
CORNER BARS AT GRADE BEAMS
SCALE: 3/4"=1'-0"



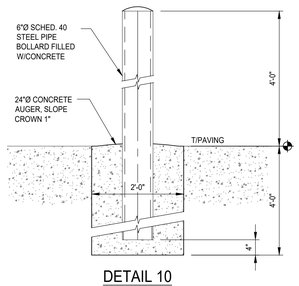
DETAIL 7
GRADE BEAM PENETRATIONS
SCALE: 3/4"=1'-0"



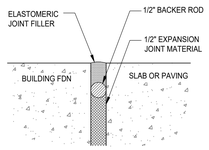
DETAIL 8
METAL BLDG ANCHORS
SCALE: NTS



DETAIL 9
BOLLARDS AT OVERHEAD DOORS
SCALE: 3/4"=1'-0"



DETAIL 10
TYPICAL EXTERIOR BOLLARD
SCALE: 3/4"=1'-0"



DETAIL 11
TYPICAL EXPANSION JOINT
SCALE: 3"=1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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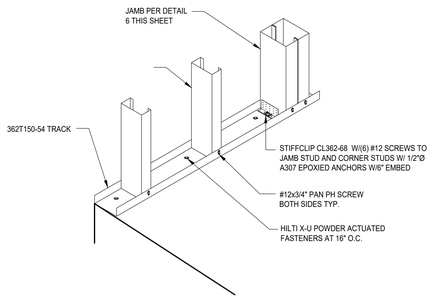
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07-10-2026
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S. LANE SEE
LICENSED
No. 78216
STATE OF FLORIDA
PROFESSIONAL ENGINEER
07/10/2026

JOB #:
DATE: 7/10/2026

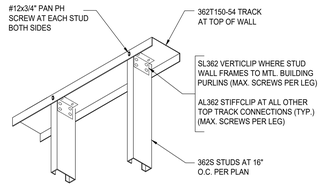
S201
FOUNDATION DETAILS

GSE
GSEeng.com
GULF STATES ENGINEERING, INC.
176 Thompson Lane #200, Nashville, TN 615.933.7888(T)



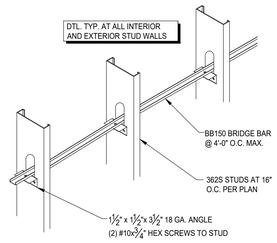
DETAIL 1
TYP. LIGHT GAGE WALL AT BASE

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



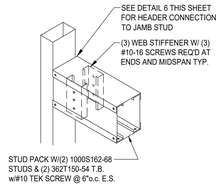
DETAIL 2
TYP. TOP OF STUD WALL

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



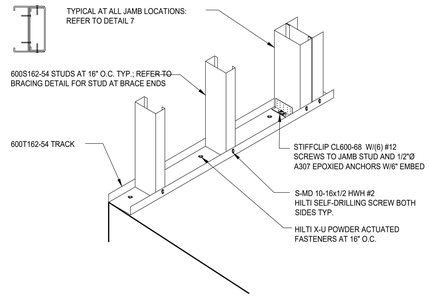
DETAIL 3
TYP. WALL BRIDGE DETAIL

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



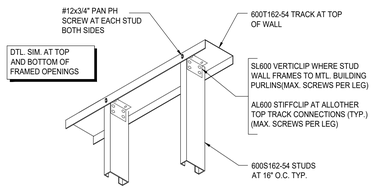
DETAIL 4
TYP. BUILT-UP HEADER

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



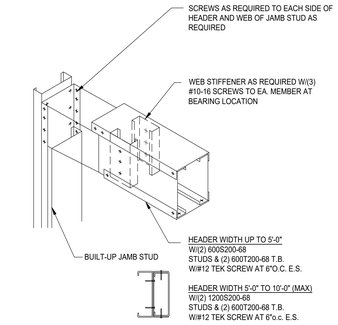
DETAIL 5
6" STUD LIGHT GAGE WALL AT BASE

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



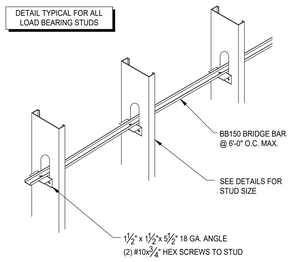
DETAIL 6
TOP OF 6" STUD WALL

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



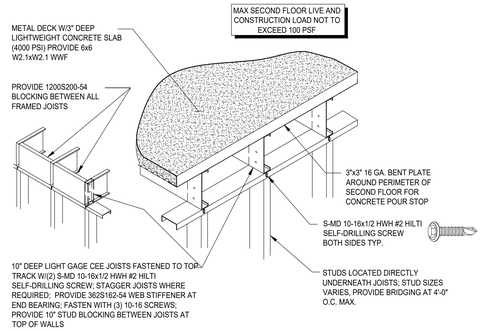
DETAIL 7
6" STUD WALL HEADER

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



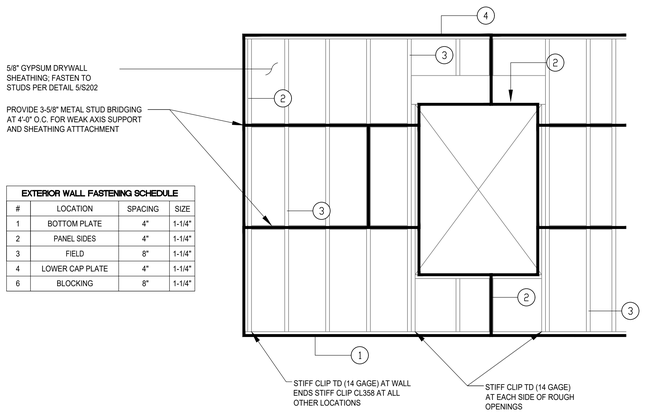
DETAIL 8
6" WALL BRIDGE DETAIL

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



DETAIL 9
TYPICAL JOIST FRAMING DETAIL

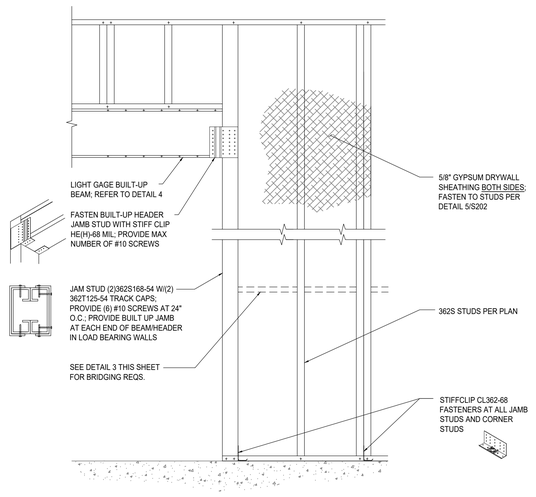
SCALE: 3/4"=1'-0"



EXTERIOR WALL FASTENING SCHEDULE			
#	LOCATION	SPACING	SIZE
1	BOTTOM PLATE	4"	1-1/4"
2	PANEL SIDES	4"	1-1/4"
3	FIELD	8"	1-1/4"
4	LOWER CAP PLATE	4"	1-1/4"
6	BLOCKING	8"	1-1/4"

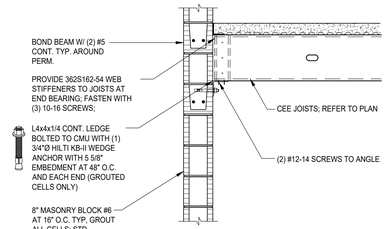
DETAIL 10
TYP. SHEATHING AT CFS STUD WALL

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



DETAIL 11
TYP. SHEATHING AT CFS STUD WALL

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



DETAIL 12
JOIST TO CMU WALL CONNECTION

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

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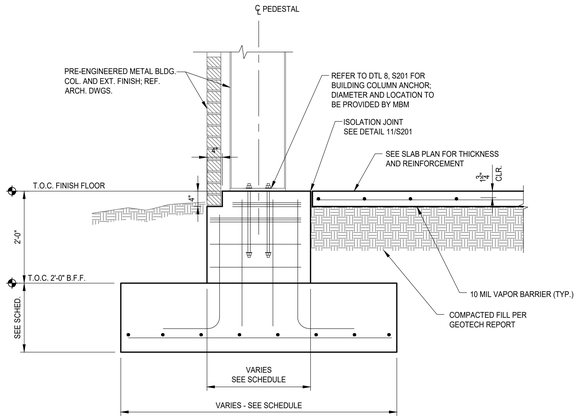
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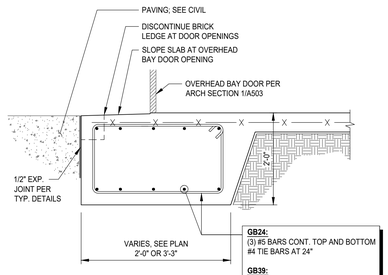
JOB #:
DATE: 7/10/2026

S202
LIGHT GAUGE DETAILS

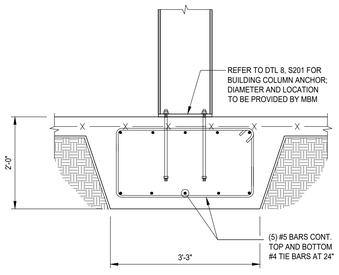
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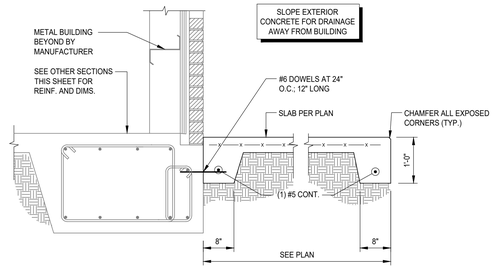
A S301 SECTION SCALE: 3/4" = 1'-0"



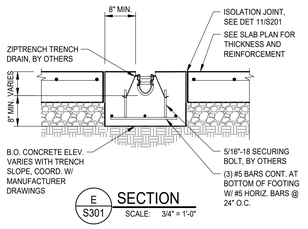
B S301 SECTION SCALE: 3/4" = 1'-0"



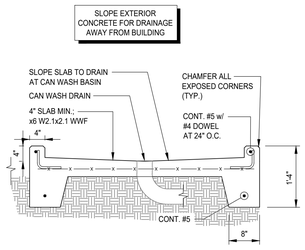
C S301 SECTION SCALE: 3/4" = 1'-0"



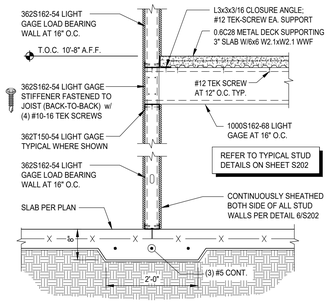
D S301 SECTION SCALE: 3/4" = 1'-0"



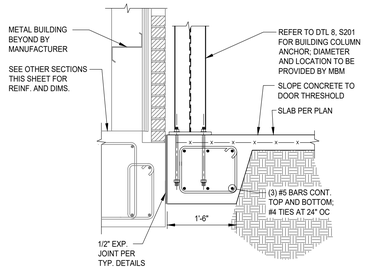
E S301 SECTION SCALE: 3/4" = 1'-0"



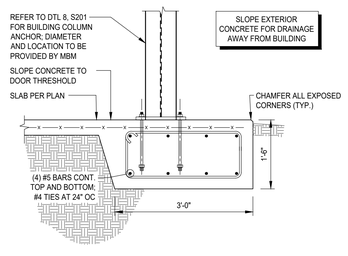
F S301 SECTION SCALE: 3/4" = 1'-0"

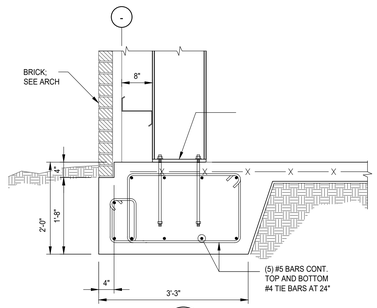


G S301 SECTION SCALE: 3/4" = 1'-0"



H S301 SECTION SCALE: 3/4" = 1'-0"





J S301 SECTION SCALE: 3/4" = 1'-0"

ESCAMBIA COUNTY FIRE-RESCUE
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REVISIONS
- 1 FRONT CANOPY REV 06-24-2026
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S. LANE, SSE LICENSE No. 76216 STATE OF FLORIDA PROFESSIONAL ENGINEER
07/10/2026

JOB #:
DATE: 7/10/2026

S301

FND AND FRAMING SECTIONS

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GSEEng.com
176 Thompson Lane #200, Nashville, TN 615.933.7888(T)

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MEP Engineering
Florida License Number 28404
129 E. Government Street
Pensacola, FL 32502
P:850-332-5687 F:850-332-6629
DELL CONSULTING PROJECT: 26-0038

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH FIRE STATION
7209 LILLIAN HIGHWAY, PENSACOLA, FL

FIRE PROTECTION GENERAL NOTES

1. ALL FIRE PROTECTION AND SPRINKLER WORK SHALL BE PERFORMED BY A LICENSED FIRE SPRINKLER CONTRACTOR IN THE STATE OF FLORIDA. ALL WORK SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, APPLICABLE CODES AND STANDARDS, AND NFPA 13.
2. FIRE SPRINKLER SYSTEM SHOP/DESIGN DRAWINGS, PIPING LAYOUT, HYDRAULIC CALCULATIONS, AND SEISMIC RESISTANT DESIGN (IF REQUIRED) SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA. THE ENGINEER OF RECORD SHALL BE IN RESPONSIBLE CHARGE OF SYSTEMS DESIGNED UNDER THE ENGINEER'S SEAL. THE FIRE PROTECTION ENGINEER SHALL HAVE AT LEAST FIVE (5) YEARS DOCUMENTED FIRE PROTECTION EXPERIENCE.
3. THE INSTALLING CONTRACTOR SHALL HAVE A NICET LEVEL III (OR HIGHER) SPRINKLER TECHNICIAN, IN THEIR FULL-TIME EMPLOYMENT, SUPERVISE THE FABRICATION AND INSTALLATION OF THE SYSTEM.
4. SPRINKLER WORK ENTAILS PROVISION OF A NEW WET PIPE SPRINKLER SYSTEM SERVING A SINGLE STORY FIRE STATION WITH AN EQUIPMENT MEZZANINE AND APPARATUS HIGH BAY.
5. CONTRACTOR SHALL OBTAIN A RECENT FIRE FLOW TEST PRIOR TO BID. IN THE EVENT THAT A RECENT (WITHIN 6 MONTHS OF BID DATE) FLOW TEST IS NOT AVAILABLE, THE CONTRACTOR SHALL CONDUCT OR WITNESS A FLOW TEST PRIOR TO BID. COORDINATE WITH AHJ TO WITNESS THE FLOW TEST.
6. MAXIMUM WATER FLOW VELOCITY AS CALCULATED IN HYDRAULIC CALCULATIONS SHALL NOT EXCEED 16 FPS.
7. PROVIDE FIRE STOPPING FOR ALL PIPING PENETRATING RATED FLOORS, WALLS, PARTY WALLS AND CEILINGS. FIRE STOPPING METHODS SHALL BE PER CODE REQUIREMENTS.
8. ALL PIPING SHALL BE STEEL.
9. ALL TAMPER AND FLOW SWITCHES SHALL BE MONITORED BY THE FIRE ALARM CONTROL PANEL. EACH DEVICE SHALL BE ADDRESSABLE.
10. COORDINATE HEAD LOCATIONS WITH REFLECTED CEILING PLANS AND WORK OF OTHER TRADES.
11. SPRINKLER HEADS LOCATED IN ACOUSTIC CEILING TILES SHALL BE IN THE CENTER OF TILE.

FIRE PROTECTION LEGEND

(#) SHEET NOTES TAG

FIRE PROTECTION ABBREVIATIONS

EX	EXISTING
°F	DEGREE FAHRENHEIT
FPS	FEET PER SECOND
GAL	GALLONS
GPM	GALLONS PER MINUTE
HR	HOUR
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
PSI	POUNDS PER SQUARE INCH
SF	SQUARE FEET

FIRE PROTECTION DESIGN CRITERIA

NAME OF FACILITY: PARADISE BEACH FIRE STATION 20
LOCATION: PENSACOLA, FL
TYPE OF CONSTRUCTION: NON-COMBUSTIBLE
OWNER: ESCAMBIA COUNTY
AUTHORITY HAVING JURISDICTION: ESCAMBIA COUNTY
GENERAL BUILDING HAZARD: LIGHT HAZARD

PRELIMINARY HYDRAULIC ANALYSIS

LIGHT HAZARD - WET SYSTEM
REMOTE AREA: 1500 SF
MAXIMUM AREA PER SPRINKLER: 225 SF
MINIMUM WATER FLOW DENSITY: 0.1 GPM/SF
PRELIMINARY SPRINKLER DEMAND: 200 GPM
HOSE STREAM: 100 GPM

ORDINARY HAZARD GROUP I - DRY SYSTEM
REMOTE AREA: 1950 SF
MAXIMUM AREA PER SPRINKLER: 130 SF
MINIMUM WATER FLOW DENSITY: 0.15 GPM/SF
PRELIMINARY SPRINKLER DEMAND: 380 GPM
HOSE STREAM: 250 GPM

PRELIMINARY FIRE FLOW TEST DATA

FIRE FLOW TEST
TEST DATE: 2/24/26
CONDUCTED BY: ECUA
SOURCE: MUNICIPAL GRAVITY
STATIC: 76 PSI
RESIDUAL: 60 PSI
FLOW: 1140 GPM

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JOSHUA ALLEN HIGDON LICENSE No. 85343 STATE OF FLORIDA PROFESSIONAL ENGINEER
07/10/2026
Joshua A. Higdon 85343

JOB #:
DATE: 7/10/2026

FP001

LEGEND, NOTES, & ABBREVIATIONS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JOSHUA A. HIGDON, 85343 ON THE DATE ADJACENT TO THE SEAL.

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dell consulting
MEP Engineering
Florida License Number 28404
129 E. Government Street
Pensacola, FL 32502
P:850-332-5687 F:850-332-6629
DELL CONSULTING PROJECT: 26-0038

PROVIDE COMPLETE FIRE SPRINKLER COVERAGE IN ACCORDANCE WITH NFPA-13, THE SPECIFICATIONS, AND AHJ.

MECHANICAL 203

TRAINING 202 — 4

STAIR 201

3 STORAGE 204

WATER GONG ALARM BELL

EQUIP STORAGE 123 — 3

DOMESTIC WATER RISER

SPRINKLER 110 — 1

6"-FP

ROUTE ALL OVERHEAD PIPING UNDER ROOF DECK AS HIGH AS POSSIBLE

PATIO 124 — 2

PROVIDE COMPLETE FIRE SPRINKLER COVERAGE IN ACCORDANCE WITH NFPA-13, THE SPECIFICATIONS, AND AHJ.

LAUNDRY 122

DORM ROOM 121

DORM ROOM 119

DORM ROOM 118

DORM ROOM 116

DORM ROOM 114

DORM ROOM 112

CORRIDOR 120

KITCHEN 127 — 3

DINING 126

DAYROOM 125

PANTRY 128

PANTRY 129

PANTRY 130

CORRIDOR 131

TOILET 117

STORAGE 132

JANITOR 133

ELEC/IT 134

TOILET 115

WELLNESS 135

ADA TOILET 113

ADA TOILET 111

OFFICE 105

OFFICE 137

CORRIDOR 106

DECON 145

GEAR 144 — 3

CORRIDOR 136

ADA TOILET 142

ICE 143

WORKSHOP 141

STORAGE 136A

STAIR 140

SCUBA 139

DORM ROOM 109

DORM ROOM 108

OFFICER 107

OFFICER 104

STORAGE 103A

TOILET 103

LOBBY 101

WATCH/OFFICE 102

ROUTE ALL OVERHEAD PIPING IN APPARATUS BAY AS HIGH AS POSSIBLE

APPARATUS BAY 138 — 2

1 FP201

2 FP201

SHEET NOTES

1. PROVIDE 4" (MINIMUM) WET AND DRY PIPE AUTO SPRINKLER RISERS. DRY RISER SHALL BE PROVIDED WITH RISER MOUNTED AIR COMPRESSOR.
2. ORDINARY HAZARD I DRY SYSTEM COVERAGE. COORDINATE HEAD LOCATIONS WITH HVLS FANS AND OTHER OPEN BAY OBSTRUCTIONS.
3. ORDINARY HAZARD I WET SYSTEM COVERAGE.
4. ORDINARY HAZARD I DRY SYSTEM COVERAGE.

N

1 MEZZANINE PLAN

4' 0' 4' 8'

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

N

2 FIRST FLOOR PLAN

5' 0' 5' 10'

SCALE: 3/16"=1'-0"

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REVISIONS

JOSHUA ALLEN HIGDON LICENSE No. 85343 STATE OF FLORIDA PROFESSIONAL ENGINEER
07/10/2026
Joshua A. Higdon 85343

JOB #:

DATE: 7/10/2026

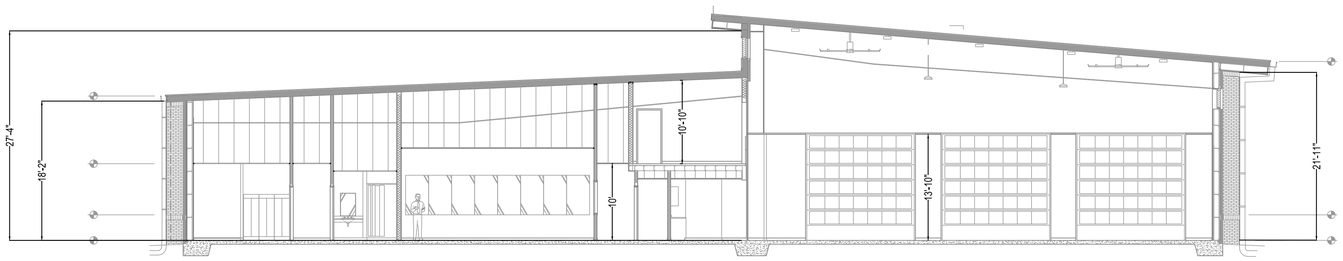
FP101

FLOOR PLANS -- FIRE PROTECTION

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2 BUILDING SECTION - NORTH

5' 0' 5' 10'

SCALE: 3/16"=1'-0"



1 BUILDING SECTION - WEST

5' 0' 5' 10'

SCALE: 3/16"=1'-0"

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BUILDING SECTION

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PLUMBING ABBREVIATIONS

AC	AIR COMPRESSOR
AD	AIR DRYER
ADA	AMERICANS WITH DISABILITIES ACT
AFF	ABOVE FINISH FLOOR
BFP	BACK FLOW PREVENTER
BTU	BRITISH THERMAL UNITS
CA	COMPRESSED AIR
CP	CIRCULATOR PUMP
CO	CLEANOUT
DCW	DOMESTIC COLD WATER
DFU	DRAINAGE FIXTURE UNITS
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RETURN
EFD	EMERGENCY FLOOR DRAIN
ET	EXPANSION TANK
°F	DEGREE FAHRENHEIT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
G	GAS
GAL	GALLONS
GCO	GRADE LEVEL CLEANOUT
GI	GREASE INTERCEPTOR
GIH	GAS INFARED HEATER
GPM	GALLONS PER MINUTE
GPF	GALLONS PER FLUSH
GW	GREASE WASTE
GWH	GAS-FIRED WATER HEATER
HB	HOSE BIBB (VACUUM BREAKER)
HD	HUB DRAIN
HP	HORSEPOWER
HR	HOUR
IN	INCH
LV	LAVATORY
LWB	LAUNDRY WASHER BOX
MAX	MAXIMUM
MBH	THOUSAND BTU PER HOUR
MIN	MINIMUM
NC	NORMALLY CLOSED
NO	NORMALLY OPEN; NUMBER
NTS	NOT TO SCALE
OS	OIL SEPARATOR
PDI	PLUMBING DRAINAGE INSTITUTE
PSI	POUNDS PER SQUARE INCH
RPBFP	REDUCED PRESSURE BACKFLOW PREVENTER
SH	SHOWER
SK	SINK
SI	SAND INTERCEPTOR
SVS	SERVICE SINK
TD	TRENCH DRAIN
TMV	THERMOSTATIC MIXING VALVE
TYP	TYPICAL
UR	URINAL
V	VENT
VTR	VENT THROUGH ROOF
W	WATTS; WASTE
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WALL HYDRANT (VACUUM BREAKER)
WHA	WATER HAMMER ARRESTOR
WSFU	WATER SERVICE FIXTURE UNITS
V	VOLT
Φ	PHASE

PLUMBING LEGEND & SYMBOLS

3"-W	SANITARY SEWER
1-1/2"-V	VENT
2"-DCW	DOMESTIC COLD WATER (ABOVE GRADE)
1/2"-DCW	DOMESTIC COLD WATER (BELOW GRADE)
1"-DHW	DOMESTIC HOT WATER (ABOVE GRADE)
1/2"-DHW	DOMESTIC HOT WATER (BELOW GRADE)
1/2"-DHWR	DOMESTIC HOT WATER RETURN
2"-G	GAS (ABOVE GRADE)
2"-G	GAS (BELOW GRADE)
3"-GW	GREASE WASTE
1/2"-T	TRAP PRIMER
1"-CA	COMPRESSED AIR
	PIPE DOWN
	PIPE UP
	CHECK VALVE
	THERMOSTATIC BALANCING VALVE
	BALL VALVE
	INLINE STRAINER
	INLINE STRAINER WITH BLOWDOWN VALVE AND HOSE END CONNECTION
WCO	WALL CLEANOUT
GCO	EXTERIOR GRADE CLEANOUT
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
HD	HUB DRAIN
	P-TRAP
	FLOOR PIPE AND WALL PENETRATION
VTR	VENT THROUGH ROOF
	FAUCET
	INLINE PUMP
1	SHEET NOTES TAG

PLUMBING GENERAL NOTES

1. THE CONTRACTOR SHALL EXECUTE ALL WORK SO THAT IT PROCEEDS WITH MINIMUM INTERFERENCE TO OTHER TRADES.
2. DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED. THE CONTRACTOR SHALL VERIFY THE ACTUAL DIMENSIONS IN THE FIELD TO ENSURE A CLOSE, NEAT INSTALLATION WITH ALL OTHER TRADES' WORK AND EXISTING CONDITIONS.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONNECTIONS TO ALL PLUMBING FIXTURES AS INDICATED ON THE PLUMBING AND ARCHITECTURAL DRAWINGS. WHERE THERE EXISTS ANY DISCREPANCY IN THE DRAWINGS, THE SPECIFICATIONS OR DESIGN REQUIREMENTS, THE CONTRACTOR SHALL PROVIDE THE MORE STRINGENT REQUIREMENT AND THEN BRING THE DISCREPANCY TO THE ARCHITECT.
4. THE CONTRACTOR SHALL COORDINATE THE ROUTING AND LOCATIONS OF ALL PLUMBING UTILITIES WITH OTHER TRADES AND COORDINATE ALL REQUIRED OPENINGS AND EXCAVATIONS. ALL OPENINGS IN FOUNDATION WALLS, FLOORS AND ROOF SHALL BE DESIGNED INTO THE STRUCTURE INITIALLY BY THE USE OF SLEEVES, ETC. CUTTING AND PATCHING SHALL BE HELD TO A MINIMUM.
5. SANITARY VENTS THRU ROOF SHALL BE FLASHED WATER TIGHT AND SHALL EXTEND A MINIMUM OF 12" ABOVE ROOF AND SHALL BE COORDINATED WITH THE ROOFING CONTRACTOR.
6. ALL FLOOR DRAIN P-TRAPS SHALL HAVE TRAP SEAL PROTECTION. THE TYPE OF TRAP SEAL PROTECTION SHALL BE AS INDICATED ON PLUMBING PLANS OR AS APPROVED BY LOCAL CODE OFFICIAL.
7. PROVIDE WATER HAMMER ARRESTORS ON THE HOT AND COLD WATER SUPPLY FOR ALL PLUMBING FIXTURES AND EQUIPMENT AS REQUIRED BY PDI WH201.
8. PROVIDE ANTI-SIPHON DEVICES ON ALL HOSE END CONNECTION FAUCETS AND HOSE BIBBS.
9. PROVIDE FIRE STOPPING FOR ALL PIPING PENETRATING RATED FLOORS, WALLS, PARTY WALLS AND CEILINGS. FIRE STOPPING METHODS SHALL BE AS INDICATED IN THE SPECIFICATIONS AND AS PER CODE REQUIREMENTS. PROVIDE FIRE STOPPING MATERIALS AND METHODS IN SUBMITTALS WITH PLUMBING SUBMITTALS.
10. NO FITTINGS SHALL BE ALLOWED ON DOMESTIC WATER PIPING BELOW CONCRETE SLAB.
11. PROVIDE DI-ELECTRIC UNIONS AT ALL DISSIMILAR METAL PIPE CONNECTIONS.

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Joshua A. Higdon 85343

JOB #:
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P001

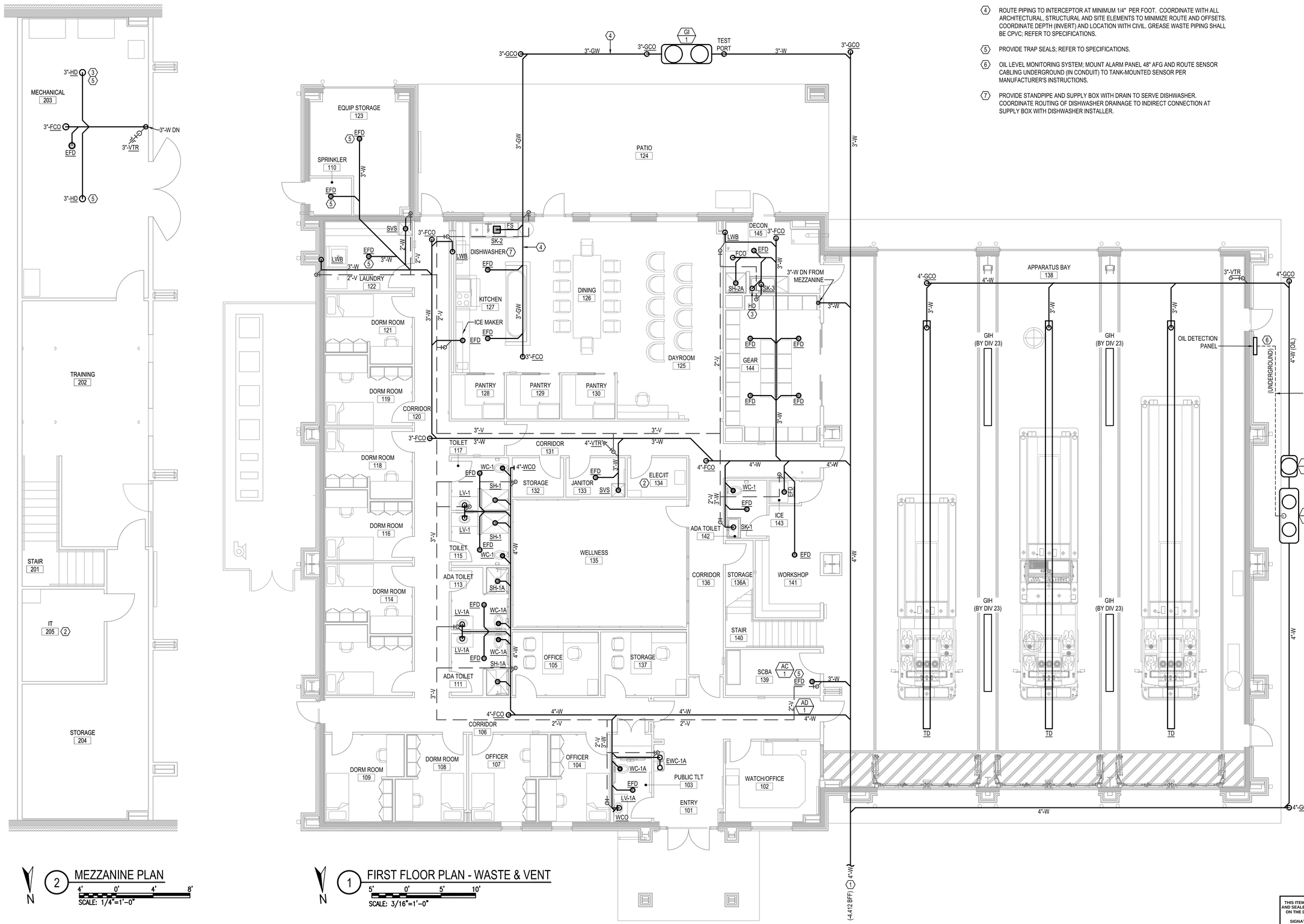
LEGEND, NOTES, & ABBREVIATIONS

GENERAL NOTES

1. UNLESS SPECIFICALLY NOTED AS "EXPOSED," PIPING SHALL BE CONCEALED FROM VIEW IN FINISHED AND OCCUPIED SPACES BY LOCATING WITHIN CHASES, HOLLOW WALL CONSTRUCTION, OR ABOVE CEILINGS. PIPING MAY BE SHOWN AS OFFSET FOR DRAWING CLARITY.
2. REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATION OF ALL RATED ASSEMBLIES.
3. SEE RISER DIAGRAMS FOR COMPLETE PIPE SIZES.

SHEET NOTES

1. CONNECT TO SITE PLUMBING PIPING 5'-0" OUTSIDE OF BUILDING FOOTPRINT. COORDINATE THE LOCATION AND DEPTH OF UNDERGROUND PIPING WITH SITE CIVIL. PROVIDE MINIMUM 30" DEPTH OF COVER.
2. NO OVERHEAD PIPING SHALL BE ROUTED WITHIN ELECTRICAL OR TELECOMMUNICATIONS SPACES. PIPING SHALL NOT BE ROUTED OVER ELECTRICAL EQUIPMENT OR WITHIN SERVICE CLEARANCE AS DEFINED BY THE NATIONAL ELECTRICAL CODE (NEC).
3. COORDINATE DRAIN LOCATION WITH MECHANICAL CONTRACTOR WITH RESPECT TO EQUIPMENT LOCATION.
4. ROUTE PIPING TO INTERCEPTOR AT MINIMUM 1/4" PER FOOT. COORDINATE WITH ALL ARCHITECTURAL, STRUCTURAL AND SITE ELEMENTS TO MINIMIZE ROUTE AND OFFSETS. COORDINATE DEPTH (INVERT) AND LOCATION WITH CIVIL. GREASE WASTE PIPING SHALL BE CPVC; REFER TO SPECIFICATIONS.
5. PROVIDE TRAP SEALS; REFER TO SPECIFICATIONS.
6. OIL LEVEL MONITORING SYSTEM; MOUNT ALARM PANEL 48" AFG AND ROUTE SENSOR CABLING UNDERGROUND (IN CONDUIT) TO TANK-MOUNTED SENSOR PER MANUFACTURER'S INSTRUCTIONS.
7. PROVIDE STANDPIPE AND SUPPLY BOX WITH DRAIN TO SERVE DISHWASHER. COORDINATE ROUTING OF DISHWASHER DRAINAGE TO INDIRECT CONNECTION AT SUPPLY BOX WITH DISHWASHER INSTALLER.



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FLOOR PLANS – WASTE & VENT

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N

2 MEZZANINE PLAN
4' 0' 4' 8'
SCALE: 1/4"=1'-0"

N

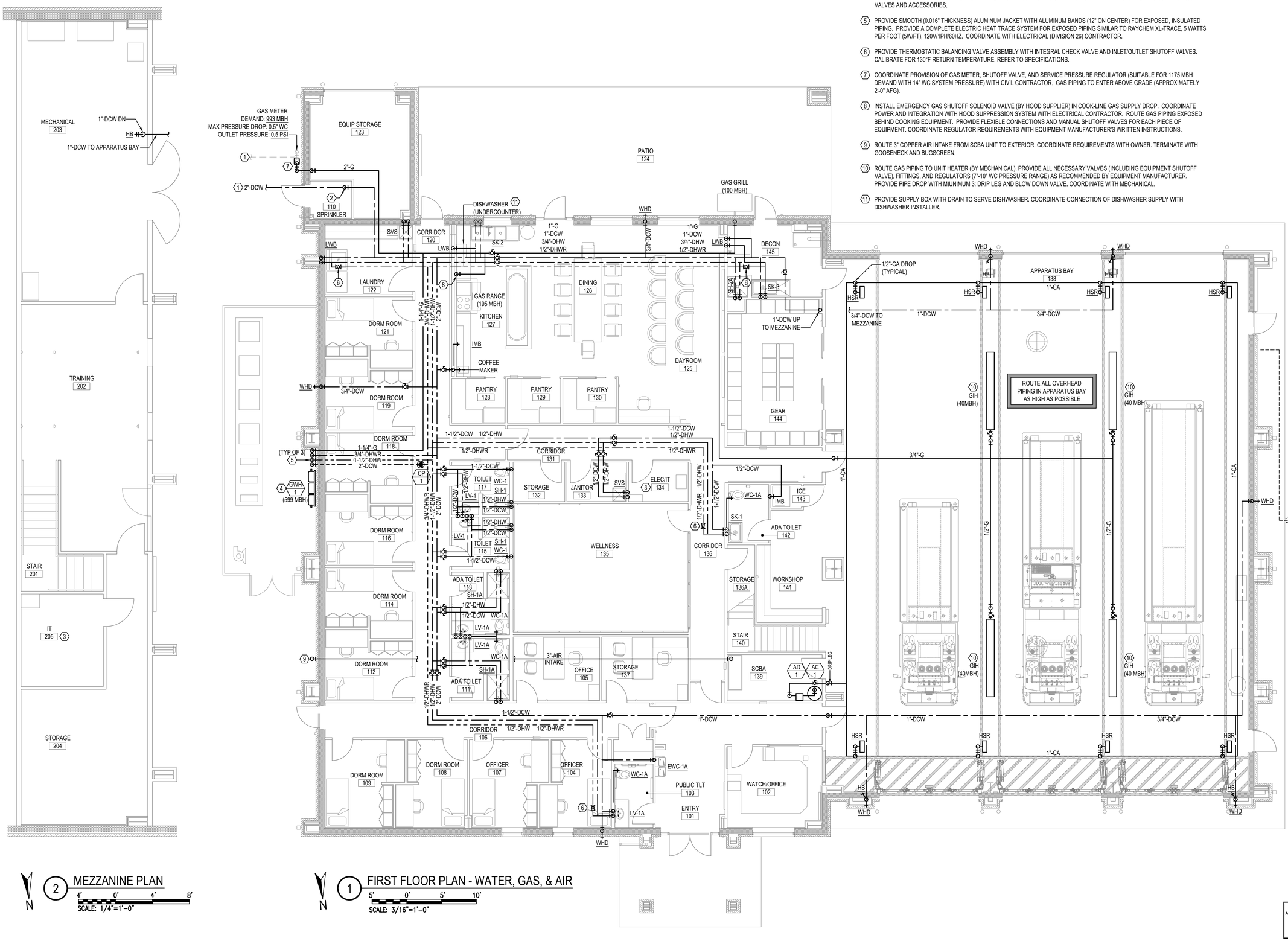
1 FIRST FLOOR PLAN - WASTE & VENT
5' 0' 5' 10'
SCALE: 3/16"=1'-0"

GENERAL NOTES

1. UNLESS SPECIFICALLY NOTED AS "EXPOSED," PIPING SHALL BE CONCEALED FROM VIEW IN FINISHED AND OCCUPIED SPACES BY LOCATING WITHIN CHASES, HOLLOW WALL CONSTRUCTION, OR ABOVE CEILINGS. PIPING MAY BE SHOWN AS OFFSET FOR DRAWING CLARITY.
2. REFER TO ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATION OF ALL RATED ASSEMBLIES.
3. SEE RISER DIAGRAMS FOR COMPLETE PIPE SIZES.

SHEET NOTES

1. CONNECT TO SITE PLUMBING PIPING 5'-0" OUTSIDE OF BUILDING FOOTPRINT. COORDINATE THE LOCATION AND DEPTH OF UNDERGROUND PIPING WITH SITE CIVIL. PROVIDE MINIMUM 30" DEPTH OF COVER.
2. PROVIDE MANUAL SHUTOFF VALVE IN VERTICAL OF INCOMING DOMESTIC WATER (MAXIMUM 4'-0" ABOVE FINISHED FLOOR).
3. NO OVERHEAD PIPING SHALL BE ROUTED WITHIN ELECTRICAL OR TELECOMMUNICATIONS SPACES. PIPING SHALL NOT BE ROUTED OVER ELECTRICAL EQUIPMENT OR WITHIN SERVICE CLEARANCE AS DEFINED BY THE NATIONAL ELECTRICAL CODE (NEC).
4. PROVIDE A COMPLETE, WALL-MOUNTED TANKLESS GAS-FIRED WATER HEATER RACK SYSTEM, SUITABLE FOR OUTDOOR APPLICATION. PROVIDE WITH MANUAL SHUTOFF VALVES, T&P RELIEF VALVES, AND GAS REGULATOR (AS REQUIRED); MOUNT CIRCULATION PUMP IN ACCESSIBLE LOCATION ABOVE CEILING. REFER TO DETAILS AND SCHEDULES FOR ADDITIONAL VALVES AND ACCESSORIES.
5. PROVIDE SMOOTH (0.016" THICKNESS) ALUMINUM JACKET WITH ALUMINUM BANDS (12" ON CENTER) FOR EXPOSED, INSULATED PIPING. PROVIDE A COMPLETE ELECTRIC HEAT TRACE SYSTEM FOR EXPOSED PIPING SIMILAR TO RAYCHEM XL-TRACE, 5 WATTS PER FOOT (5W/FT), 120V/1PH/60HZ. COORDINATE WITH ELECTRICAL (DIVISION 26) CONTRACTOR.
6. PROVIDE THERMOSTATIC BALANCING VALVE ASSEMBLY WITH INTEGRAL CHECK VALVE AND INLET/OUTLET SHUTOFF VALVES. CALIBRATE FOR 130°F RETURN TEMPERATURE. REFER TO SPECIFICATIONS.
7. COORDINATE PROVISION OF GAS METER, SHUTOFF VALVE, AND SERVICE PRESSURE REGULATOR (SUITABLE FOR 1175 MBH DEMAND WITH 14" WC SYSTEM PRESSURE) WITH CIVIL CONTRACTOR. GAS PIPING TO ENTER ABOVE GRADE (APPROXIMATELY 2'-0" AFG).
8. INSTALL EMERGENCY GAS SHUTOFF SOLENOID VALVE (BY HOOD SUPPLIER) IN COOK-LINE GAS SUPPLY DROP. COORDINATE POWER AND INTEGRATION WITH HOOD SUPPRESSION SYSTEM WITH ELECTRICAL CONTRACTOR. ROUTE GAS PIPING EXPOSED BEHIND COOKING EQUIPMENT. PROVIDE FLEXIBLE CONNECTIONS AND MANUAL SHUTOFF VALVES FOR EACH PIECE OF EQUIPMENT. COORDINATE REGULATOR REQUIREMENTS WITH EQUIPMENT MANUFACTURER'S WRITTEN INSTRUCTIONS.
9. ROUTE 3" COPPER AIR INTAKE FROM SCBA UNIT TO EXTERIOR. COORDINATE REQUIREMENTS WITH OWNER. TERMINATE WITH GOOSENECK AND BUGSCREEN.
10. ROUTE GAS PIPING TO UNIT HEATER (BY MECHANICAL). PROVIDE ALL NECESSARY VALVES (INCLUDING EQUIPMENT SHUTOFF VALVE), FITTINGS, AND REGULATORS (7"-10" WC PRESSURE RANGE) AS RECOMMENDED BY EQUIPMENT MANUFACTURER. PROVIDE PIPE DROP WITH MIUNIMUM 3: DRIP LEG AND BLOW DOWN VALVE. COORDINATE WITH MECHANICAL.
11. PROVIDE SUPPLY BOX WITH DRAIN TO SERVE DISHWASHER. COORDINATE CONNECTION OF DISHWASHER SUPPLY WITH DISHWASHER INSTALLER.



2 MEZZANINE PLAN
SCALE: 1/4"=1'-0"

1 FIRST FLOOR PLAN - WATER, GAS, & AIR
SCALE: 3/16"=1'-0"

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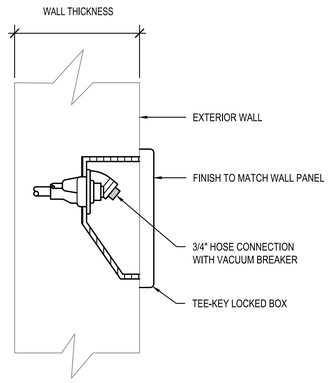
P111

FLOOR PLANS – WATER & GAS

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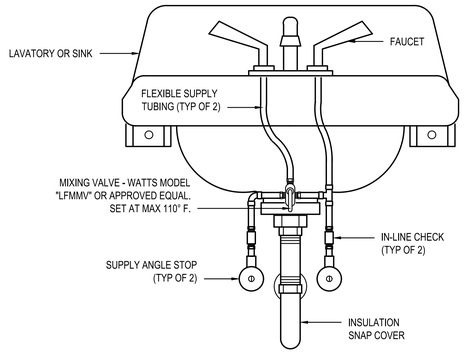
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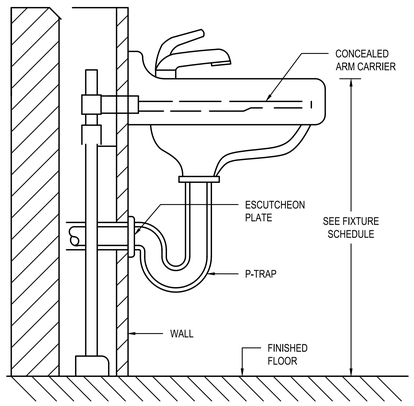
NOTE: VERIFY WALL THICKNESS PRIOR TO ORDERING.

1 NON-FREEZE WALL HYDRANT DETAIL
NOT TO SCALE

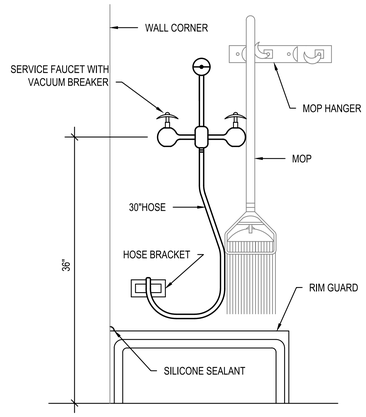


NOTE:
PROVIDE MIXING VALVE AT ALL LAVATORIES, HAND SINKS, AND BREAKROOM SINKS TO PROVIDE TEMPERED WATER. MIXING VALVE SHALL BE ASSE 1070 APPROVED.

2 FIXTURE MIXING VALVE DETAIL
NOT TO SCALE

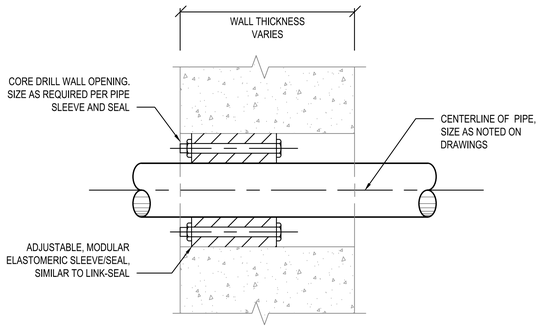


3 LAVATORY MOUNTING DETAIL
NOT TO SCALE

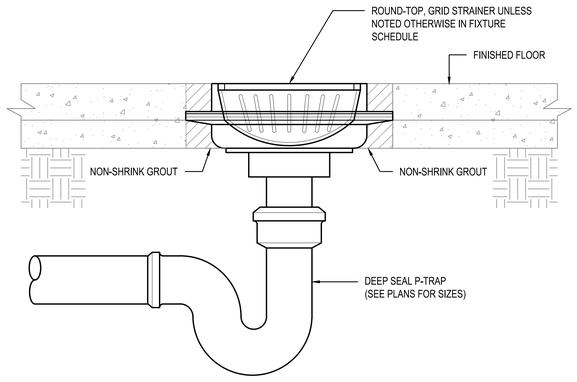


NOTE: INSTALLATION SIMILAR, BUT OPPOSITE, WITH WALL ON OPPOSITE SIDE.

4 MOP SINK INSTALLATION DETAIL
NOT TO SCALE

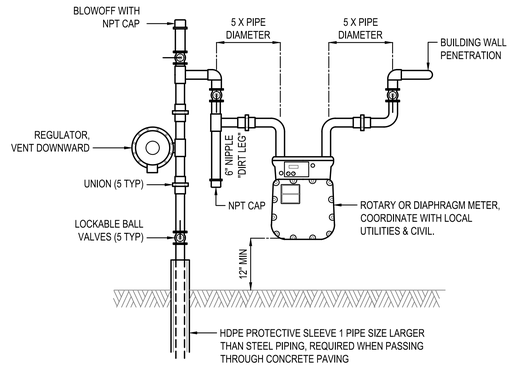


5 EXTERIOR PIPING WALL PENETRATION DETAIL
NOT TO SCALE



NOTE: SLOPE FLOOR TO FLOOR DRAIN AT 1/8" PER FOOT.

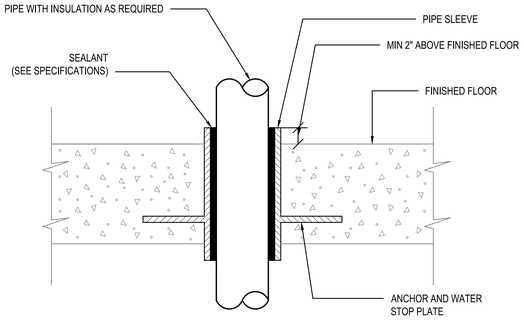
6 FLOOR DRAIN DETAIL - SLOPED FLOOR
NOT TO SCALE



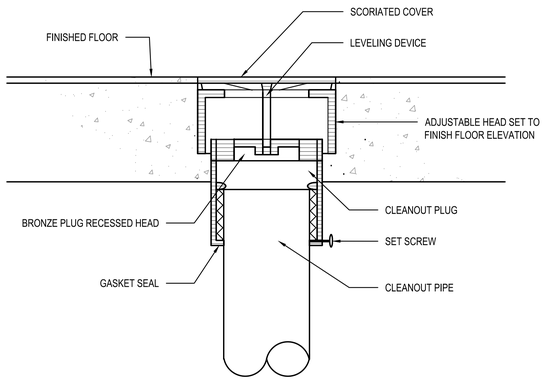
NOTES:

1. METER SET SHALL TYPICALLY BE LOCATED 2' CLEAR OF BUILDING AND ORIENTED PARALLEL TO BUILDING WITH APPROPRIATE FITTINGS.
2. METER SET PIPE TO BE SIZED BASED ON BUILDING DEMAND; SEE FLOOR PLANS.
3. BOLLARDS TO BE PROVIDED WHERE LOCATED IN VEHICLE ACCESSIBLE AREAS.
4. METER AND REGULATOR SHALL NOT BE LOCATED WITHIN 5' OF AIR INTAKES OR WINDOWS.

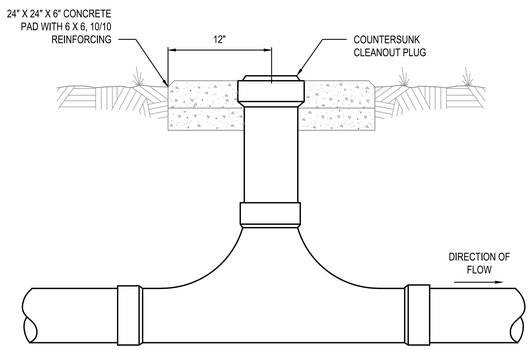
7 NATURAL GAS METER SET
NOT TO SCALE



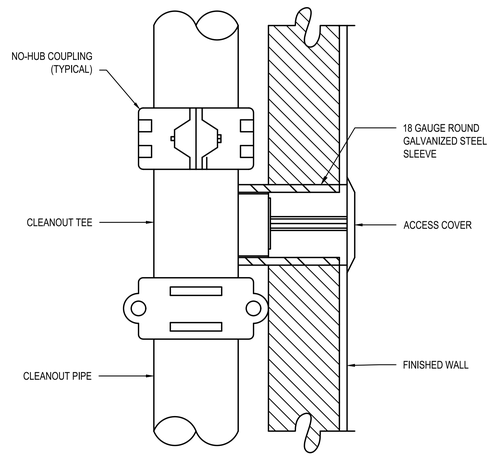
8 PIPE SLEEVE DETAIL
NOT TO SCALE



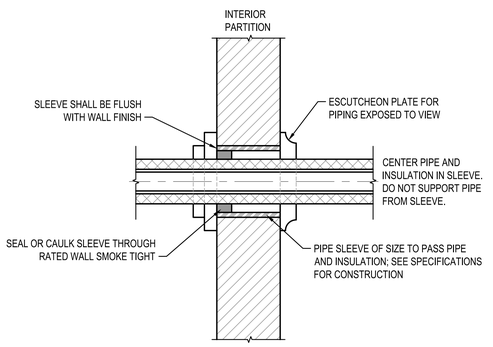
9 FINISH FLOOR CLEANOUT DETAIL
NOT TO SCALE



10 TWO-WAY EXTERIOR CLEANOUT DETAIL
NOT TO SCALE



11 WALL CLEANOUT DETAIL
NOT TO SCALE



12 INTERIOR PARTITION PIPE SLEEVE DETAIL
NOT TO SCALE

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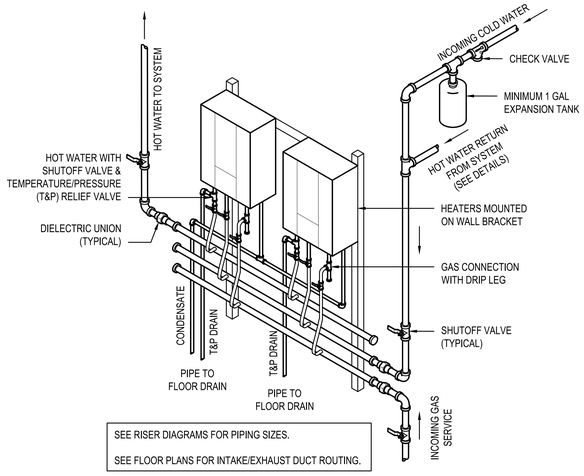
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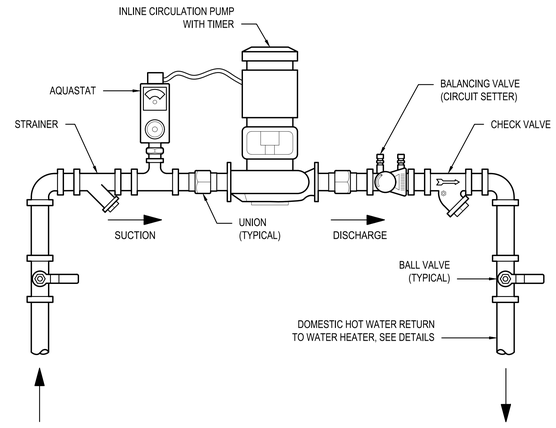
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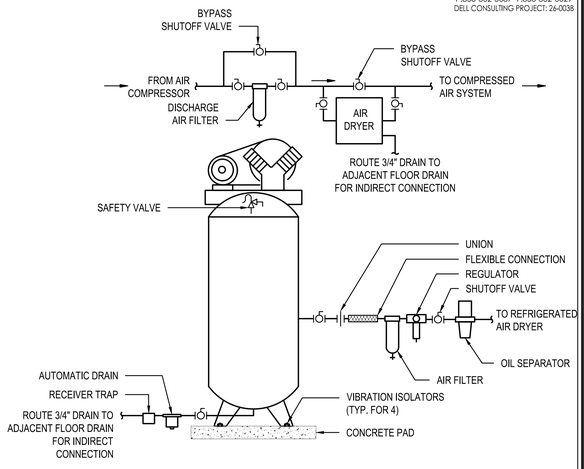
DETAILS



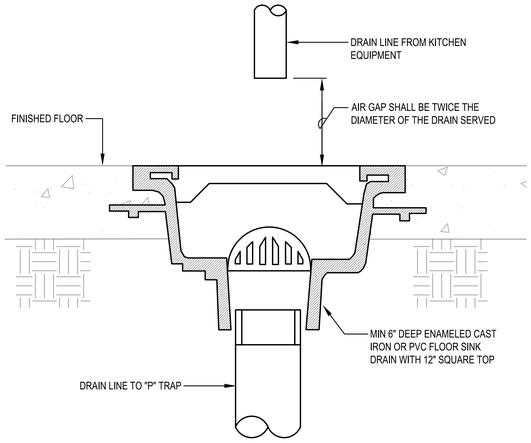
1 TANKLESS GAS WATER HEATER DETAIL
NOT TO SCALE



2 CIRCULATION PUMP DETAIL
NOT TO SCALE



3 AIR COMPRESSOR DETAIL
NOT TO SCALE



4 FLOOR SINK DRAIN DETAIL
NOT TO SCALE

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DETAILS

PLUMBING FIXTURE SCHEDULE

MARK	FIXTURE	CONNECTIONS				MAKE	MODEL	DESCRIPTION
		WASTE	CW	HW	VENT			
EFD	EMERGENCY FLOOR DRAIN	3"	-	-	1-1/2"	JAY R SMITH	2005	CAST IRON BODY FLOOR DRAIN WITH ROUND NICKEL BRONZE GRID STRAINER WITH TRAP SEAL
EWC-1A	ELECTRIC WATER COOLER (ADA)	1-1/2"	1/2"	-	1-1/2"	ELKAY	LZSTL8	WALL MOUNTED, BI-LEVEL WATER COOLER WITH ELECTRONIC BOTTLE FILLER, FRONT AND SIDE PUSHBAR, 8 GPH
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
FCO	FLOOR CLEANOUT	VARIOUS	-	-	-	JAY R SMITH	4020	CAST IRON BODY FINISHED FLOOR CLEANOUT WITH ADJUSTABLE NICKEL BRONZE TOP
FD	FLOOR DRAIN	3"	-	-	1-1/2"	JAY R SMITH	2005	CAST IRON BODY FLOOR DRAIN WITH ROUND NICKEL BRONZE GRID STRAINER WITH TRAP SEAL
FS	FLOOR SINK	3"	-	-	-	JAY R SMITH	3001	12"x12"x8" STAINLESS STEEL INDIRECT FLOOR SINK WITH DOME STRAINER AND 1/2 TOP GRATE
GCO	GRADE CLEANOUT	VARIOUS	-	-	-	JAY R SMITH	4220	CAST IRON BODY, HEAVY-DUTY EXTERIOR GRADE CLEANOUT WITH ADJUSTABLE NICKEL BRONZE TOP, APPLICABLE FOR UNFINISHED AREAS
HB	INTERIOR HOSE BIBB	-	3/4"	-	-	JAY R SMITH	5673	INTERIOR HOSE BIBB WITH VACUUM BREAKER, 3/4" EXTERNALLY THREADED HOSE CONNECTION
IMB	ICE MAKER BOX	-	1/2"	-	-	IPS CORPORATION	FRIB12ABSHA	ICE MAKER OUTLET BOX WITH LEAD-FREE QUARTER TURN SUPPLY VALVE AND INTEGRAL WATER HAMMER ARRESTER
LWB	LAUNDRY WASH BOX	2"	3/4"	3/4"	2"	IPS CORPORATION	FRM12SHA	WASHER BOX WITH QUARTER TURN SUPPLY VALVES, DRAIN AND INTEGRAL WATER HAMMER ARRESTERS
LV-1A	COUNTERTOP LAVATORY	1-1/2"	1/2"	1/2"	1-1/2"	KOHLER	K-2196	DROP-IN, VITREOUS CHINA LAVATORY. ADA MOUNTING, INTEGRAL OVERFLOW, GRID DRAIN
						T&S BRASS	B-2711	CHROME PLATED, SINGLE HANDLE LAVATORY FAUCET, DECK-MOUNTED, 4" ON CENTERS, 0.5 GPM
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
HSR	HOSE REEL	-	-	-	-	GRACO	XDX	1/2" COMPRESSED AIR HOSE REEL, 50 FEET, CEILING MOUNT, SPRING RETRACTABLE WITH STOP
SK-1	DEEP SINK	2"	1/2"	1/2"	1-1/2"	ELKAY	B1C18X18X	FREE-STANDING, SINGLE COMPARTMENT, 18 GA STAINLESS STEEL UTILITY SINK, 18"x18"x12"
						T&S BRASS	B-2424	CHROME PLATED, WALL-MOUNTED 8" GOOSENECK SWIVEL FAUCET WITH WRISTBLADE HANDLES
						-	-	SINK GRID STRAINER WITH TAILPIECE
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
SK-2	KITCHEN SINK (THREE-COMPARTMENT)	2"	1/2"	1/2"	1-1/2"	ADVANCE TABCO	93-23-60-18R	16GA STAINLESS STEEL FREE-STANDING, 88" x 28" THREE COMPARTMENT SINK WITH GRID STRAINER, 20"Lx20"Wx16"D BOWLS, 18" RIGHT-HANDED DRAINBOARD
						T&S BRASS	B-0107	CHROME PLATED, WALL-MOUNTED (8" OC) 12" GOOSENECK FAUCET WITH LEVER HANDLES, 20" STAINLESS STEEL HOSE SPRAYER WITH INTEGRAL VACUUM BREAKER
						-	-	SINK STRAINER WITH TAILPIECE
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
SK-3	DECON SINK	2"	1/2"	1/2"	1-1/2"	ELKAY	SS8136L	61-1/2" x 27-1/2"STAINLESS STEEL FREE-STANDING SINK WITH 24" LEFT-HANDED DRAINBOARD, 36"L x 24"W x 14"D BOWL
						T&S BRASS	B-2463	CHROME PLATED, WALL-MOUNTED 12" GOOSENECK SWIVEL FAUCET WITH WRISTBLADE HANDLES
						-	-	SINK STRAINER WITH TAILPIECE
						-	-	P-TRAP, FLEXIBLE SUPPLY CONNECTORS WITH ANGLE STOPS AND ESCUTCHEONS
SH-1	PRIVATE SHOWER	2"	1/2"	1/2"	1-1/2"	-	-	CULTURED MARBLE SHOWER BY ARCHITECTURAL
						MOEN	T9342	SINGLE HANDLE, POLISHED NICKEL CHROME, PRESSURE BALANCING VALVE WITH INTEGRAL STOPS
								HAND/WALL SHOWER HEAD WITH 60" FLEXIBLE METAL HOSE, 24" ADJUSTABLE MOUNTING BAR, AND INLINE VACUUM BREAKER
						JAY R SMITH	2005	SHOWER DRAIN APPLICABLE FOR CULTURED MARBLE SHOWER FLOORS, CHROME PLATED ROUND GRID STRAINER, BRONZE BODY, WITH P-TRAP
SH-1A	PRIVATE SHOWER (ADA)	2"	1/2"	1/2"	1-1/2"	-	-	CULTURED MARBLE SHOWER BY ARCHITECTURAL
						MOEN	T9342	SINGLE HANDLE, POLISHED NICKEL CHROME, PRESSURE BALANCING VALVE WITH INTEGRAL STOPS
								HAND/WALL SHOWER HEAD WITH 60" FLEXIBLE METAL HOSE, 24" ADJUSTABLE MOUNTING BAR, AND INLINE VACUUM BREAKER
						JAY R SMITH	2005	SHOWER DRAIN APPLICABLE FOR CULTURED MARBLE SHOWER FLOORS, CHROME PLATED ROUND GRID STRAINER, BRONZE BODY, WITH P-TRAP
SH-2A	PRIVATE SHOWER (ADA)	3"	1/2"	1/2"	1-1/2"	-	-	CULTURED MARBLE SHOWER BY ARCHITECTURAL
						MOEN	T9342	SINGLE HANDLE, POLISHED NICKEL CHROME, PRESSURE BALANCING VALVE WITH INTEGRAL STOPS
								HAND/WALL SHOWER HEAD WITH 60" FLEXIBLE METAL HOSE, 24" ADJUSTABLE MOUNTING BAR, AND INLINE VACUUM BREAKER
						JAY R SMITH	2005	SHOWER DRAIN APPLICABLE FOR CULTURED MARBLE SHOWER FLOORS, CHROME PLATED ROUND GRID STRAINER, BRONZE BODY, WITH P-TRAP
SVS	SERVICE SINK	3"	1/2"	1/2"	1-1/2"	KOHLER	K-6710-0	FLOOR-SET, ENAMELED CAST IRON SERVICE SINK WITH GRID DRAIN STRAINER, RIM GUARD
						KOHLER	K-837T60-4A-CP	EXPOSED YOKE WALL MOUNT, POLISHED CHROME, UTILITY FAUCET WITH INTEGRAL STOPS, PAIL HOOK AND VACUUM BREAKER, 3/4" THREADED HOSE CONNECTION
TD	TRENCH DRAIN	4"	-	-	2"	JAY R SMITH	9960	12" POLYPROPYLENE RADIUSED BOTTOM TRENCH DRAIN SYSTEM, 1.07% SLOPE, HEAVY DUTY, ADA SLOTTED GRATE, LENGTH: 65 FEET
WC-1	WATER CLOSET	3"	1-1/2"	-	1-1/2"	KOHLER	K-96057	FLUSH VALVE VITREOUS CHINA FLOOR-SET WATER CLOSET WITH ELONGATED BOWL, TOP SPUD
						BEMIS	9400SSCT	OPEN FRONT SEAT, LESS COVER, WITH SELF SUSTAINING HINGES
						SLOAN	ROYAL 111-1.6	CHROME PLATED, DUAL-FILTERED BYPASS, MANUAL WATER CLOSET FLUSH VALVE, 1.6 GPF
WC-1A	WATER CLOSET (ADA)	3"	1-1/2"	-	1-1/2"	KOHLER	K-96057	FLUSH VALVE VITREOUS CHINA FLOOR-SET WATER CLOSET WITH ELONGATED BOWL, TOP SPUD, ADA HEIGHT: REFER TO ARCHITECTURAL
						BEMIS	9400SSCT	OPEN FRONT SEAT, LESS COVER, WITH SELF SUSTAINING HINGES
						SLOAN	ROYAL 111-1.6	CHROME PLATED, DUAL-FILTERED BYPASS, MANUAL WATER CLOSET FLUSH VALVE, 1.6 GPF
WHD	WALL HYDRANT	-	3/4"	-	-	JAY R SMITH	5509QT	ANTI-SIPHON (VACUUM BREAKER), FREEZELESS WALL HYDRANT WITH LOOSE TEE KEY AND CHROME PLATED CONCEALMENT BOX, 3/4" THREADED HOSE CONNECTION, 1/4 TURN OPERATION

NOTES:
1. ALL PLUMBING FIXTURE COLORS/FINISHES SHALL BE SELECTED BY ARCHITECT/OWNER.
2. PROVIDE RH OR LH TRIP LEVER FOR ADA WATER CLOSETS AS REQUIRED FOR GRAB BAR CONFIGURATION.
3. MODEL NUMBERS ARE PROVIDED FOR REFERENCE ONLY. COORDINATE FIXTURE TYPE AND DESCRIPTION WITH BASIS OF DESIGN MANUFACTURER.

TANKLESS GAS WATER HEATER RACK SCHEDULE

MARK	GAS INPUT (MBH)		TOTAL FLOWRATE (GPM)	MAX FLOWRATE PER HEATER (GPM)	HEATER QUANTITY	MINIMUM THERMAL EFFICIENCY	INLET TEMPERATURE	OUTLET TEMPERATURE	ELECTRICAL	MAKE	MODEL
	MINIMUM	MAXIMUM							(V/PH/HZ)		
GWH-1	12.8	599.7	15.7	6	3	98%	65 °F	120 °F	120/1/60	NORITZ	CR61-WH-3

NOTES:
1. PROVIDE PACKAGED, RACK SYSTEM.
2. PROVIDE EACH HEATER WITH HOT/COLD WATER ISOLATION VALVES, TEMPERATURE AND PRESSURE (T&P) RELIEF VALVES, AND CONDENSATE DRAIN LINE. PIPE T&P VALVE AND CONDENSATE DRAIN LINE TO NEAREST FLOOR DRAIN WITHIN EQUIPMENT ROOM. PROVIDE CONDENSATE NEUTRALIZATION PRIOR TO DISPOSAL.
3. PROVIDE DRIP LEG AT EACH GAS PIPING CONNECTION AND GAS PRESSURE REGULATOR WHERE REQUIRED.
4. PROVIDE EACH HEATER WITH THREE-PRONG (GROUNDED) POWER CORD AND PLUG. PROVIDE WITH INTEGRAL RECEPTACLES.
5. PROVIDE SYSTEM WITH CASCADE CABLES FOR HEATER ROTATION, MODULATION, AND INTEGRATION INTO BUILDING AUTOMATION SYSTEM. COORDINATE WITH CONTROLS CONTRACTOR.
6. SEE CIRCULATION PUMP SCHEDULE.

CIRCULATION PUMP SCHEDULE

MARK	MAKE	MODEL	FLOW DATA		PUMP SIZE		ELECTRICAL			PUMP CONFIGURATION	DRIVE TYPE	SERVICE
			FLOW (GPM)	HEAD (FT)	SUCTION (IN)	DISCHARGE (IN)	MOTOR					
							WATTS	RPM	V/PH/HZ			
CP-1	ARMSTRONG	ASTRO 230	3	13	3/4	3/4	0.81	VARIOUS	120/1/60	INLINE CARTRIDGE CIRCULATOR	DIRECT	DOMESTIC HOT WATER RETURN CIRCULATION

NOTES:
1. PROVIDE STAINLESS STEEL OR BRONZE CONSTRUCTION INTENDED FOR POTABLE WATER SERVICE.
2. PROVIDE CIRCULATION PUMP WITH PROGRAMMABLE TIMER WITH MINIMUM 1/4 HOUR (15 MINUTE) INTERVALS AND AQUASTAT.

SAND INTERCEPTOR SCHEDULE

MARK	CAPACITY		INLET (IN)	OUTLET (IN)	MAKE	MODEL	DIMENSIONS	NOTES
	SOLIDS (GAL)	LIQUIDS (GAL)						
SI-1	25	57	4	4	STRIEM	CB-50-S	37"Lx28"Wx28"H	EXTERIOR

NOTES:
1. PROVIDE POLYETHYLENE HYDRO-MECHANICAL INTERCEPTOR.
2. PROVIDE WITH ANCHOR KIT & CORRUGATED ACCESS RISERS (AS NECESSARY).
3. PROVIDE WITH SOLID, TRAFFIC RATED TOP.

OIL SEPARATOR SCHEDULE

MARK	MAX FLOW RATE (GPM)	CAPACITY		INLET (IN)	OUTLET (IN)	MAKE	MODEL	DIMENSIONS	NOTES
		OIL (GAL)	LIQUIDS (GAL)						
OS-1	100	87.5	350	4	4	STRIEM	OS-350	95"Lx33"Wx51"H	EXTERIOR

NOTES:
1. PROVIDE POLYETHYLENE HYDRO-MECHANICAL INTERCEPTOR WITH SAMPLING PORT (SV10).
2. PROVIDE WITH ANCHOR KIT & CORRUGATED ACCESS RISERS (AS NECESSARY).
3. PROVIDE WITH TRAFFIC RATED TOP.
4. PROVIDE WITH OIL LEVEL MONITORING SYSTEM (SIMILAR TO SLICK STICK).

GREASE INTERCEPTOR SCHEDULE

MARK	MAX FLOW RATE (GPM)	CAPACITY		INLET (IN)	OUTLET (IN)	MAKE	MODEL	NOTES
		LIQUID (GAL)	GREASE (LBS)					
GI-1	250	277	1895 (@ 100 GPM)	4	4	SCHIER	GB-250	EXTERIOR

NOTES:
1. PROVIDE POLYETHYLENE HYDRO-MECHANICAL INTERCEPTOR WITH SAMPLING PORT (SV10).
2. PROVIDE WITH ANCHOR KIT & CORRUGATED ACCESS RISERS (AS NECESSARY).
3. FIXTURE FLOW RATE BASED ON 2 MINUTE DRAIN TIME IAW FPC 2023. PROVIDE FLOW CONTROL DEVICE.
4. GREASE PRODUCTION BASED ON CAFETERIA (LIMITED PREP) MENU (0.0325 LBS PER SERVING).
5. ESTIMATED DAYS BETWEEN PUMP OUT: 90 DAYS
6. PROVIDE WITH TRAFFIC RATED TOP.

AIR COMPRESSOR SCHEDULE

MARK	MAKE	MODEL	ORIENTATION	RECEIVER TANK (GAL)	AIR DATA		MOTOR DATA		PHYSICAL DATA		COMPRESSOR
					CFM AT MAX	MAX PRESSURE (PSIG)	HP	ELEC. V/PH/HZ	DIMENSIONS	WEIGHT (LBS)	
AC-1	INGERSOLL RAND	2340L5	VERTICAL	60	14	175	5	208/3/60	24"x33x69"	450	TWO-STAGE RECIPROCATING

NOTES:
1. PROVIDE LOW OIL LEVEL SWITCH.
2. PROVIDE AUTOMATIC CONDENSATE DRAIN VALVE.
3. PROVIDE SELF CONTAINED, AIR COOLED, TWO STAGE COMPRESSOR WITH INTEGRAL RECEIVER TANK.
4. PROVIDE WITH AIR INTAKE FILTER.
5. SEE AIR DRYER SCHEDULE.

GAS EQUIPMENT SCHEDULE

MARK	FIXTURE TYPE	NATURAL GAS			
		CONNECTION SIZE	CAPACITY	PRESSURE	
				MINIMUM	MAXIMUM
GWH-1	GAS WATER HEATER	2"	599 MBH	0.18 PSI (5" WC)	0.38 PSI (10.5" WC)
-	GAS RANGE (BY DIV 11)	1/2"	195 MBH	0.18 PSI (5" WC)	0.38 PSI (10.5" WC)
-	GAS GRILL (BY OWNER)	1/2"	100 MBH	0.18 PSI (5" WC)	0.38 PSI (10.5" WC)
-	GAS INFRARED HEATERS	1/2"	160 MBH	0.18 PSI (5" WC)	0.5 PSI (14" WC)
	SYSTEM TOTAL		1054 MBH		

NOTES:
1. PROVIDE EQUIPMENT PRESSURE REGULATORS WHERE REQUIRED. REFER TO EQUIPMENT MANUFACTURER'S INSTALLATION REQUIREMENTS.
2. METER PRESSURE: 14" WC (0.5 PSI)
3. 1 CFH = 1000 BTU/H (1 MBH); 1 PSI = 27.7" WC
4. COORDINATE INSTALLATION OF EMERGENCY GAS SHUTOFF VALVE FOR GAS RANGE WITH DIVISIONS 11 AND 26.

AIR DRYER SCHEDULE

MARK	MAKE	MODEL	TYPE	REFRIGERANT	AIR DATA		ELECTRICAL		PHYSICAL DATA	
					MAX CFM	PRESSURE DROP (PSI)	KW	V/PH/HZ	DIMENSIONS	WEIGHT (LBS)
AD-1	INGERSOLL RAND	DA25INA100	NON-CYCLING REFIGERATED	R513A	15	1	0.16	120/1/60	15"x17x18"	50

WATER HAMMER ARRESTOR SCHEDULE

PDI SIZE	FIXTURE UNITS	CONNECTION SIZE	BASIS OF DESIGN	
			MAKE	MODEL
WHA-A	1-11	1/2"	PPP	SC-500A
WHA-B	12-32	3/4"	PPP	SC-750B
WHA-C	33-60	1"	PPP	SC-1000C

NOTES:
1. ALL WATER HAMMER ARRESTORS SHALL BE LOCATED IN AN ACCESSIBLE LOCATION. PROVIDE ACCESS PANELS WHERE REQUIRED FOR MAINTENANCE AND INSPECTION.
2. WATER HAMMER ARRESTOR SHALL BE "LEAD FREE" AND CERTIFIED FOR POTABLE WATER SYSTEMS.

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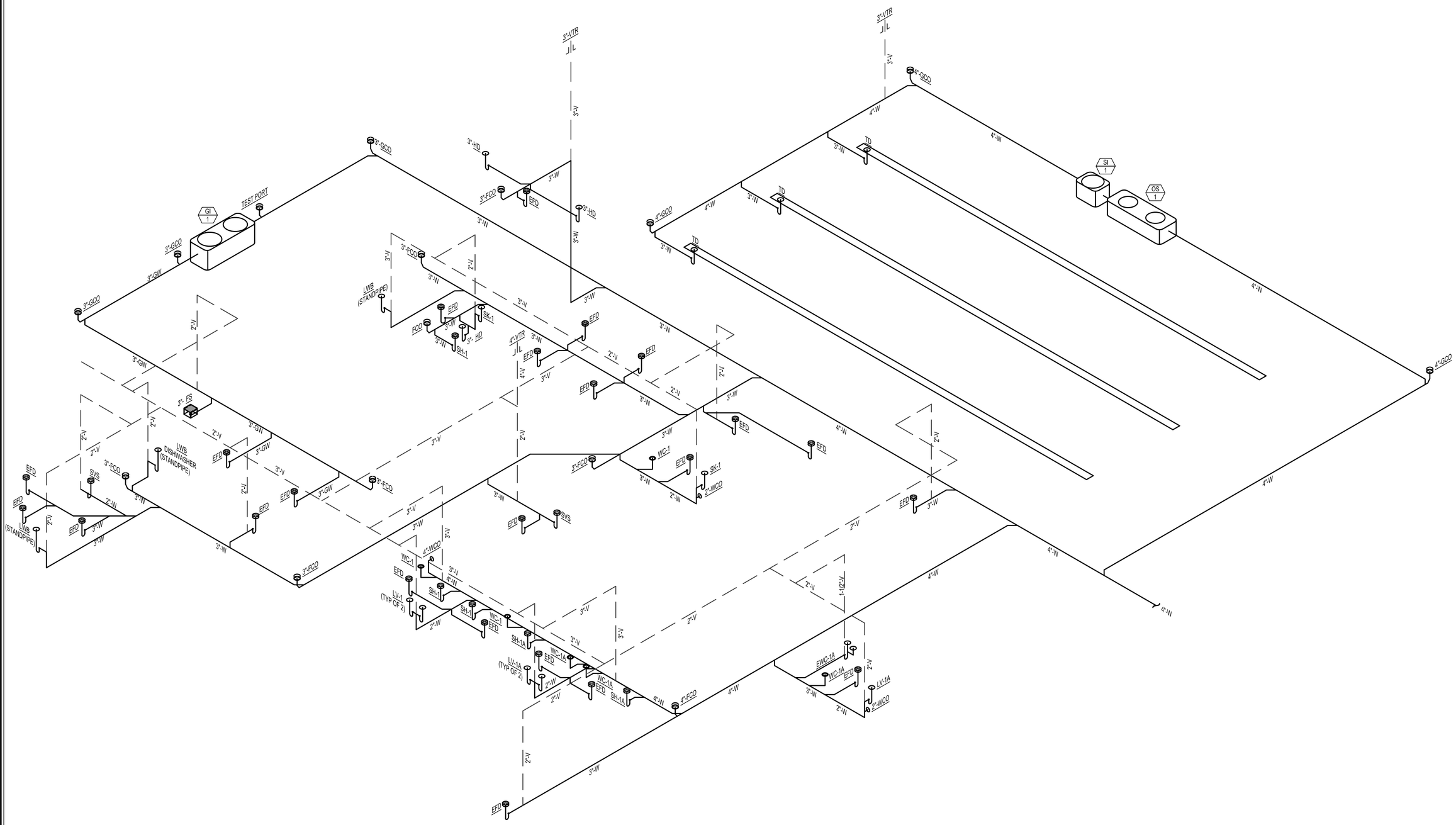
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1 WASTE AND VENT RISER DIAGRAM
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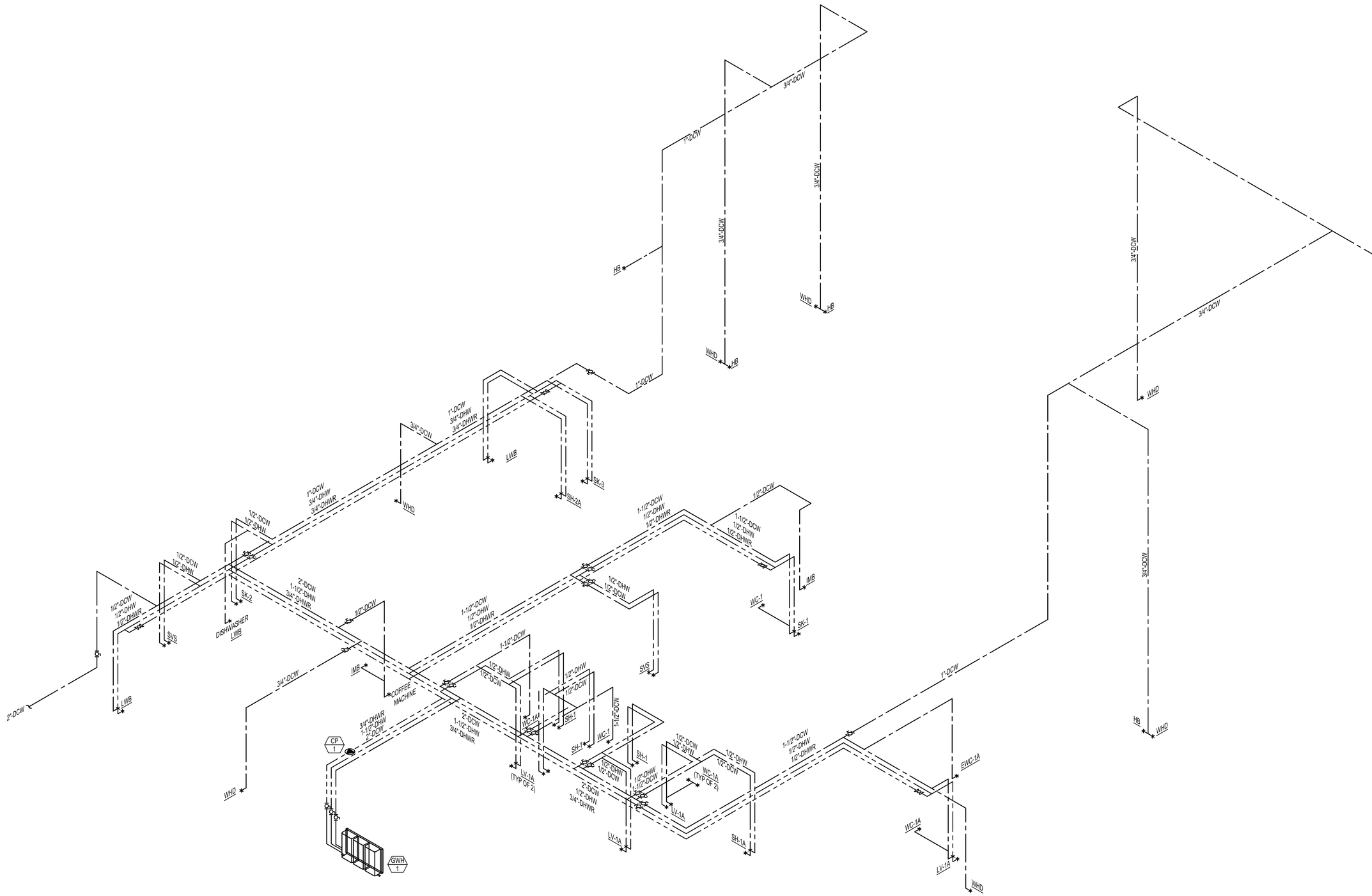
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RISER DIAGRAMS–WASTE AND VENT

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1 DOMESTIC WATER RISER DIAGRAM
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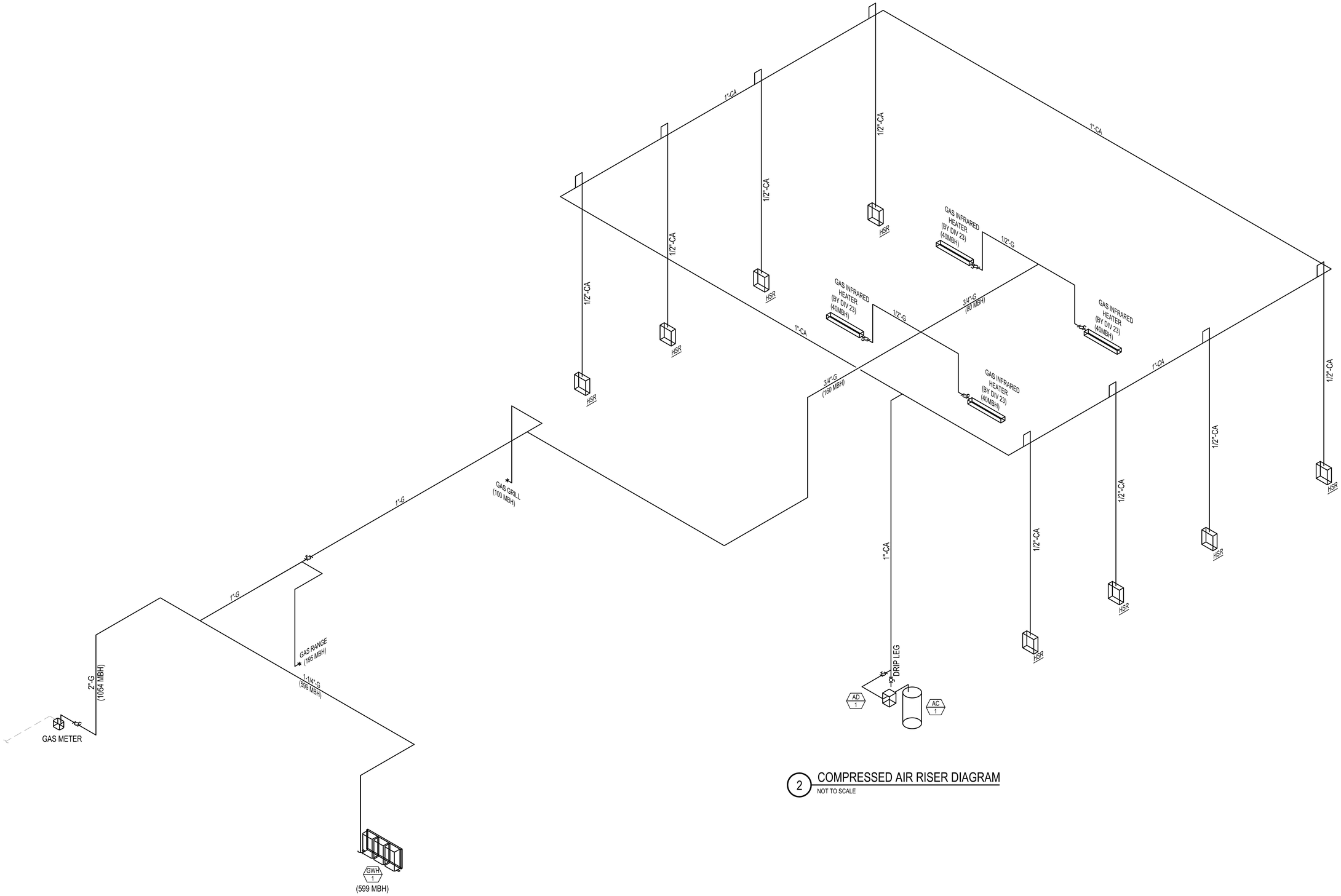
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RISER DIAGRAMS-DOMESTIC WATER

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1 GAS RISER DIAGRAM
NOT TO SCALE

2 COMPRESSED AIR RISER DIAGRAM
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RISER DIAGRAM-GASES

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HVAC ABBREVIATIONS

A	AMPS
ACH	AIR CHANGE PER HOUR
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AP	ACCESS PANEL
APD	AIR PRESSURE DROP
AHRI	AIR CONDITIONING, HEATING, AND REFRIGERATION INSTITUTE
AUX	AUXILIARY
BD	BALANCING DAMPER
BHP	BRAKE HORSEPOWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU PER HOUR
C	CONDENSATE
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CO	CLEANOUT
COP	COEFFICIENT OF PERFORMANCE
CU	CONDENSING UNIT; COPPER
DB	DRY BULB
DDC	DIRECT DIGITAL CONTROLS
DEG	DEGREE
DG	DOOR GRILLE
DH	DEHUMIDIFIER
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
EA	EACH
EAL	EXHAUST AIR LOUVER
EAT	ENTERING AIR TEMPERATURE
EER	ENERGY EFFICIENT RATIO
EF	EXHAUST FAN
EFF	EFFICIENCY
EG	EXHAUST AIR GRILLE
ELEC	ELECTRICAL
ER	EXHAUST AIR REGISTER
ESP	EXTERNAL STATIC PRESSURE
EX	EXISTING
EXH	EXHAUST AIR
F/A	FIRE ALARM
°F	DEGREE FAHRENHEIT
FD	FIRE DAMPER; FLOOR DRAIN
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FS	FLOAT SWITCH; FLOW SWITCH
FT	FEET
GA	GAUGE
HD	HUB DRAIN
HP	HORSEPOWER
HR	HOUR
HSPF	HEAT SEASONAL PERFORMANCE FACTOR
HZ	HERTZ
IAW	IN ACCORDANCE WITH
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LB	POUNDS
MAX	MAXIMUM
MBH	THOUSANDS OF BTUH
MCA	MINIMUM CIRCUIT AMPACITY
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MOCP	MAXIMUM OVERCURRENT PROTECTION
MVD	MANUAL VOLUME DAMPER
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NO	NORMALLY OPEN; NUMBER
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OAL	OUTDOOR AIR LOUVER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
P	PUMP
PD	PRESSURE DROP
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
R	RADIUS; RELAY
RA	RETURN AIR
RAT	RETURN AIR TEMPERATURE
RG	RETURN AIR GRILLE
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
RR	RETURN AIR REGISTER
SA	SUPPLY AIR
SAT	SUPPLY AIR TEMPERATURE
SEER	SEASONAL ENERGY EFFICIENCY RATIO
SF	SQUARE FEET; SUPPLY FAN
SP	STATIC PRESSURE
SR	SUPPLY AIR REGISTER; SIDEWALL REGISTER
TG	TRANSFER GRILLE
TSP	TOTAL STATIC PRESSURE
TYP	TYPICAL
UC	DOOR UNDERCUT
UH	UNIT HEATER
V	VOLTS
VEL	VELOCITY
W	WATTS
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE
Φ	PHASE

HVAC LEGEND

- SUPPLY AIR DUCT UP
- SUPPLY AIR DUCT DOWN
- RETURN AIR DUCT UP
- RETURN AIR DUCT DOWN
- EXHAUST AIR DUCT UP
- EXHAUST AIR DUCT DOWN
- NEW DUCTWORK
- WxH — RECTANGULAR DUCTWORK, SIZES SHOWN ARE INTERNAL CLEAR DIMENSIONS. FIRST FIGURE IS SIDE SHOWN.
- Ø — ROUND GALVANIZED STEEL DUCTWORK. SIZE SHOWN IS SHEET METAL DIAMETER.
- FACTORY FABRICATED/INSULATED FLEXIBLE ROUND DUCT
- ROUND BRANCH DUCT TAKEOFF WITH SPIN-IN COLLAR AND MANUAL VOLUME DAMPER.
- RECTANGULAR BRANCH DUCT TAKEOFF WITH 45° COLLAR AND MANUAL VOLUME DAMPER.
- SQUARE THROAT ELBOW IN RECTANGULAR DUCT WITH TURNING VANES
- LONG RADIUS ELBOW (R = 1.5 * DIA)
- RECTANGULAR TO ROUND DUCT TRANSITION
- CONCENTRIC TRANSITION
- ECCENTRIC TRANSITION
- AUTOMATIC DAMPER (OPPOSED)
- AUTOMATIC DAMPER (PARALLEL)
- MANUAL VOLUME DAMPER
- FD — FIRE DAMPER
- FLEXIBLE DUCT CONNECTION
- 2408CD / 200CFM — CEILING DIFFUSER. PROVIDE SURFACE MOUNT STYLE WITH TRIM RING FOR GYPSUM BOARD CEILING AND LAY-IN TYPE AT T-BAR CEILING GRID. ROUND NECK SIZE AND AIRFLOW AS INDICATED. BACK FACE OF DIFFUSER SHALL HAVE INSULATION BLANKET. "24" = FACE SIZE; "08" = NECK DIAMETER 4-WAY THROW OR AS SHOWN ON PLANS
- 24x24RG / 400CFM / 10"Ø — RETURN AIR GRILLE. PROVIDE SURFACE MOUNT STYLE WITH TRIM RING FOR GYPSUM BOARD CEILING AND LAY-IN TYPE AT T-BAR CEILING GRID. PROVIDE REGISTERS WITH FACE-OPERATED OPPOSED BLADE DAMPER. SIZE, AIRFLOW, DUCT COLLAR AS INDICATED.
- 24x24EG / 400CFM / 10"Ø — EXHAUST AIR GRILLE. PROVIDE SURFACE MOUNT STYLE WITH TRIM RING FOR GYPSUM BOARD CEILING AND LAY-IN TYPE AT T-BAR CEILING GRID. PROVIDE REGISTERS WITH FACE-OPERATED OPPOSED BLADE DAMPER. SIZE, AIRFLOW, DUCT COLLAR AS INDICATED.

- DEMO PIPING
- EXISTING PIPING
- NEW PIPING
- PIPE UP
- PIPE DOWN
- PIPE CAP
- AHU 1 — EQUIPMENT TAG
- T — ZONE TEMPERATURE SENSOR
- H — ZONE HUMIDITY SENSOR
- T — THERMOSTAT
- H — HUMIDISTAT
- CO — CARBON MONOXIDE SENSOR
- NO2 — NITROGEN DIOXIDE SENSOR
- CH4 — METHANE SENSOR

HVAC GENERAL NOTES

1. INSTALL ALL MECHANICAL EQUIPMENT IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS, CONTRACT DOCUMENTS, AND APPLICABLE CODES AND STANDARDS.
2. CONTRACT DOCUMENT DRAWINGS FOR MECHANICAL WORK ARE DIAGRAMMATIC AND INTENDED TO CONVEY SCOPE AND GENERAL ARRANGEMENT ONLY. PROVIDE ALL FITTINGS, ACCESSORIES, PIPING, DUCTWORK, AND CONTROLS AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM TO MEET THE DESIGN INTENT.
3. COORDINATE EQUIPMENT CLEARANCES (AS RECOMMENDED BY MANUFACTURER) WITH ALL DISCIPLINES BEFORE INSTALLATION.
4. CONCRETE HOUSEKEEPING PADS FOR MECHANICAL EQUIPMENT SHALL BE MINIMUM 4-INCH THICKNESS. PAD SHALL EXTEND BEYOND THE EQUIPMENT A MINIMUM OF 6 IN. ON ALL SIDES WITH CHAMFERED EDGES.
5. VERIFY CLEARANCE SPACE AVAILABLE, OFFSETS REQUIRED, STRUCTURAL OPENINGS, AND WORK BY OTHER TRADES PRIOR TO FABRICATION OF DUCTWORK AND PIPING. SUBMIT SHOP DRAWINGS ON DUCTWORK AND PIPING LAYOUT. COORDINATE WITH STRUCTURE. PRESSURE TEST ALL DUCTWORK AND PIPING FOR LEAKS.
6. PROVIDE ACCESS PANELS FOR INSTALLATION IN WALLS AND CEILINGS, WHERE REQUIRED, TO SERVICE DAMPERS AND OTHER CONCEALED MECHANICAL EQUIPMENT.
7. PROVIDE ACCESS DOORS IN DUCTWORK TO PROVIDE ACCESS FOR ALL FIRE DAMPERS, VOLUME DAMPERS, AND OTHER ITEMS LOCATED IN THE DUCTWORK THAT REQUIRE SERVICE AND/OR INSPECTION.
8. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE SUPPORTED AS DETAILED, SPECIFIED, AND REQUIRED TO PROVIDE A VIBRATION-FREE INSTALLATION. PROVIDE DUCT AND PIPE FLEX CONNECTIONS FOR ALL EQUIPMENT CONNECTIONS. PROVIDE VIBRATION ISOLATORS FOR ALL EQUIPMENT; SEE SPECIFICATIONS AND DETAILS.
9. LOCATIONS AND SIZES OF FLOOR AND WALL OPENINGS SHALL BE COORDINATED WITH ALL OTHER TRADES INVOLVED.
10. ALL EQUIPMENT REQUIRING CONDENSATE DRAIN LINES SHALL BE PIPED FULL SIZE OF THE UNIT DRAIN OUTLET TO THE NEAREST DISPOSAL POINT AS INDICATED. PROVIDE A TRAP ON ALL DRAIN OUTLETS AND SLOPE PIPING MINIMUM 1/8 IN. PER FOOT.
11. PIPE INSULATION AND VAPOR BARRIERS SHALL BE CONTINUOUS THROUGH PIPE HANGERS.
12. ALL DUCTWORK DIMENSIONS, AS SHOWN ON THE DRAWINGS, ARE INTERNAL CLEAR DIMENSIONS.
13. COORDINATE DIFFUSER, REGISTER, AND GRILLE LOCATIONS WITH REFLECTED CEILING PLANS, LIGHTING, AND OTHER CEILING MOUNTED DEVICES.
14. EXTERIOR LOUVERS ARE INDICATED FOR INFORMATION ONLY. LOUVER DIMENSIONS INDICATED DO NOT INCLUDE FRAME OR FLANGES.
15. NO DUCTWORK OR PIPING SHALL RUN PARALLEL WITH AND OVER WALLS. AVOID ROUTING DUCTWORK AND PIPING OVER LIGHTS WHEREVER POSSIBLE. MAINTAIN MINIMUM 6" CLEARANCE BETWEEN HVAC INSULATION TO TOP OF LIGHTS. PROVIDE MANUFACTURER'S RECOMMENDED CLEARANCE AROUND MECHANICAL EQUIPMENT FOR PROPER OPERATION AND ROUTINE MAINTENANCE.
16. SEAL ALL DUCT PENETRATIONS OF WALLS AIRTIGHT, REGARDLESS OF WHETHER WALLS ARE FIRE-RATED OR NOT. PROVIDE SLEEVES AND SEAL ALL PIPE PENETRATIONS OF WALLS AIRTIGHT.
17. ALL OPENINGS IN FIRE WALLS DUE TO DUCTWORK, PIPING, CONDUIT, ETC. SHALL BE FIRE-STOPPED WITH AN APPROVED UL-LISTED PRODUCT.
18. ALL AIR INTAKE OPENINGS TO EXTERIOR SHALL HAVE A MIN 10'-0" CLEARANCE FROM ANY EXHAUST OPENING TO PREVENT RECIRCULATION.
19. MOUNT DUCTWORK AS HIGH AS POSSIBLE WHERE EXPOSED, UNLESS OTHERWISE NOTED.
20. THERMOSTATS INDICATED ADJACENT TO DOORWAYS SHALL BE LOCATED WITHIN 18" OF JAMB AND MOUNTED 48" AFF.
21. ALL EXPOSED CONTROL WIRING (MECHANICAL AND ELECTRICAL ROOMS) SHALL BE IN CONDUIT. ALL REMAINING CONTROL WIRING SHALL BE PLENUM-RATED CABLE.

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JASON A. MATIACIO LICENSE NO. 75489 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jason A. Matiacio 75489

JOB #:
DATE: 7/10/2026

M001

LEGEND, NOTES, & ABBREVIATIONS

MEZZANINE SHEET NOTES

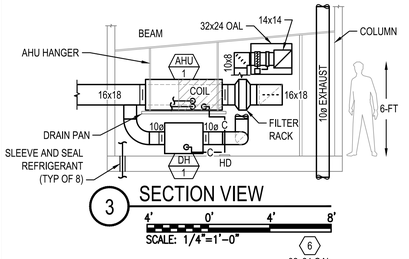
1. SUSPEND HORIZONTAL AIR HANDLING UNIT (AHU) FROM STRUCTURE WITH VIBRATION ISOLATION HANGERS. PROVIDE FLEXIBLE DUCT CONNECTIONS AT AHU. INSTALL DRAIN PAN BENEATH UNIT; SEE SPECIFICATIONS. MAINTAIN SERVICE AND OPERATIONAL CLEARANCES IAW MANUFACTURER'S RECOMMENDATIONS.
2. ROUTE REFRIGERANT PIPING TO ASSOCIATED OUTDOOR CONDENSING UNIT IAW MANUFACTURER'S RECOMMENDATIONS. SLEEVE AND SEAL ALL PENETRATIONS THROUGH FLOOR / BUILDING ENVELOPE; SEE DETAILS.
3. PROVIDE TRAPPED, INSULATED CONDENSATE PIPING, FULL SIZE OF EQUIPMENT OUTLET TO NEAREST HUB DRAIN. SLOPE A MINIMUM OF 1/8" PER FOOT. COORDINATE DRAIN LOCATION WITH DIVISION 22.
4. PROVIDE 2-POSITION MOTORIZED DAMPER AND 24V ACTUATOR IN OUTSIDE AIR DUCT. INTERLOCK WITH ASSOCIATED AHU TO OPEN / CLOSE BASED ON FAN OPERATION.
5. SUPPORT DEHUMIDIFIER ON FLOOR, BENEATH ASSOCIATED AHU, IAW MANUFACTURER'S RECOMMENDATIONS. PROVIDE MIN. 10ø INLET/OUTLET CONNECTIONS. MAINTAIN SERVICE AND OPERATIONAL CLEARANCES.
6. PROVIDE OUTSIDE AIR LOUVER (SEE SPECIFICATIONS); INSTALL AS HIGH AS POSSIBLE. PROVIDE MINIMUM 12" DEEP INSULATED PLENUM.
7. INSTALL INDOOR AIR CONDITIONING UNIT ON WALL IAW MANUFACTURER'S RECOMMENDATIONS.

FLOOR PLAN SHEET NOTES

1. PROVIDE OUTSIDE AIR LOUVER (SEE SPECIFICATIONS) WITH TWO-POSITION MOTORIZED DAMPER AND 24V ACTUATOR. INTERLOCK WITH ASSOCIATED EXHAUST FAN TO OPEN / CLOSE BASED ON FAN OPERATION.
2. INSTALL BOTTOM OF OUTDOOR AIR LOUVER APPROXIMATELY 16'-6" ABOVE FINISHED FLOOR. COORDINATE FINAL HEIGHT WITH ARCHITECTURAL.
3. INSTALL CENTER OF EXHAUST FAN APPROXIMATELY 25'-0" ABOVE FINISHED FLOOR IAW MANUFACTURER'S RECOMMENDATIONS. COORDINATE FINAL HEIGHT WITH ARCHITECTURAL.
4. INSTALL INFRARED HEATER APPROXIMATELY 16'-0" ABOVE FINISHED FLOOR IAW MANUFACTURER'S RECOMMENDATIONS. MAINTAIN SERVICE AND OPERATIONAL CLEARANCES. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. SEE SCHEDULE.
5. PROVIDE AUTOMATIC GAS DETECTION SYSTEM AND INSTALL IAW MANUFACTURER'S RECOMMENDATIONS; REFER TO CONTROLS. MOUNT CO SENSOR 48" AFF ON WALL, (1) NO2 SENSOR 12" AFF ON WALL, (1) NO2 SENSOR AT CEILING LEVEL, AND METHANE SENSOR AT CEILING LEVEL.
6. INSTALL HVLS FAN FROM STRUCTURE ABOVE IAW MANUFACTURER'S RECOMMENDATIONS. COORDINATE FINAL LOCATION AND ELEVATION WITH ARCHITECTURAL AND LIGHTING. BOTTOM OF FAN SHALL BE APPROXIMATELY 20'-0" AFF.
7. INSTALL KITCHEN EXHAUST HOOD PER IAW MANUFACTURER'S RECOMMENDATIONS. MAINTAIN SERVICE AND OPERATIONAL CLEARANCES BETWEEN CEILING AND COOKING EQUIPMENT. PROVIDE ALL MOUNTING HARDWARE AS REQUIRED. SEE SCHEDULE. COORDINATE WITH DIVISION 26 TO INTEGRATE FIRE SUPPRESSION SYSTEM WITH FIRE ALARM CONTROL PANEL.
8. INSTALL WALL-MOUNTED EXHAUST FAN IAW MANUFACTURER'S RECOMMENDATIONS. PROVIDE WALL BRACKET.
9. INSTALL CEILING EXHAUST FAN IAW MANUFACTURER'S RECOMMENDATIONS. PROVIDE WALL CAP EXTERIOR OUTLET. TERMINATE DUCT A MINIMUM OF 3-FT FROM EXTERIOR DOORS.
10. INSTALL SPLIT SYSTEM CONDENSING UNIT ON VIBRATION ISOLATION NEOPRENE WAFFLE PADS ON CONCRETE PAD. MAINTAIN SERVICE AND OPERATIONAL CLEARANCES IAW MANUFACTURER'S RECOMMENDATIONS.
11. ROUTE INSULATED AND JACKETED REFRIGERANT PIPING ALONG EXTERIOR WALL AND PENETRATE WALL ABOVE CEILING. STACK PIPING AS REQUIRED; PIPING SHOWN SIDE-BY-SIDE FOR CLARITY. PROVIDE STAINLESS STEEL COVER OVER VERTICAL RISE. SLEEVE AND SEAL ALL PENETRATIONS THROUGH BUILDING ENVELOPE. SEE DETAILS.
12. INSTALL INDOOR AIR CONDITIONING UNIT IN CEILING IAW MANUFACTURER'S RECOMMENDATIONS.
13. SUPPORT REFRIGERANT PIPING ON ALUMINUM OR HOT-DIPPED GALVANIZED STEEL FRAME. COORDINATE FRAME SIZE WITH DIV 26 TO ACCOMMODATE ELECTRICAL CONDUIT.
14. ROUTE UL-LISTED ROUND DRYER EXHAUST DUCT (GALVANIZED STEEL). FULL SIZE OF EQUIPMENT OUTLET, TO EXTERIOR WALL IAW MANUFACTURER'S RECOMMENDATIONS. TERMINATE WITH HOODED WALL CAP WITH HINGED BACKDRAFT DAMPER AND NO SCREEN.
15. SUPPORT INTERIOR PIPING FROM STRUCTURE ABOVE, AND ROUTE TO ASSOCIATED AIR HANDLING UNIT / AC UNIT. SLEEVE AND SEAL ALL PENETRATIONS THROUGH FLOOR. SEE DETAILS. PROVIDE STAINLESS STEEL DRIP PAN BENEATH ENTIRE LENGTH OF PIPE RUN.
16. INSTALL REMOTE ICE MAKER CONDENSER PER MANUFACTURER'S RECOMMENDATIONS IN CORNER OF MECHANICAL ROOM. MAINTAIN OPERATIONAL AND SERVICE CLEARANCES. ROUTE INSULATED REFRIGERANT PIPING TO ICE MAKER AS SHOWN.
17. COORDINATE FINAL LOCATION OF DDC PANEL WITH CONTROLS CONTRACTOR AND OWNER. 120V POWER BY DIV 26.
18. PROVIDE DUCT-MOUNTED FILTER RACK WITH HINGED ACCESS DOOR TO ACCOMMODATE 2" THICK 24x24 MERV 11 FILTER.
19. ROUTE UL-LISTED 4ø VENT PIPING THROUGH ROOF IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS (INCLUDING BENDS, OFFSETS, TERMINATION AND DRIP LEG). SUPPORT PIPING AS RECOMMENDED BY MANUFACTURER. TERMINATE AT MANUFACTURER'S APPROVED ROOF CAP. SLEEVE AND SEAL PENETRATION WATER AND AIR TIGHT.
20. INSTALL FAN FILTER UNIT IN CEILING IAW MANUFACTURER'S RECOMMENDATIONS. SUPPORT FROM STRUCTURE ABOVE WITH S-HOOKS AND CHAIN; SEE SPECIFICATIONS.
21. INSTALL CEILING EXHAUST FAN PER MANUFACTURER'S RECOMMENDATIONS. ROUTE DUCT TO EXHAUST HEADER AS SHOWN.
22. ROUTE 10ø EXHAUST DUCT UP TO MEZZANINE ABOVE, AND THROUGH ROOF. TERMINATE DUCT WITH GOOSENECK BELOW APPARATUS BAY OVERHANG.
23. PROVIDE MINIMUM 12" DEEP INSULATED PLENUM.
24. PROVIDE TRAPPED, INSULATED CONDENSATE PIPING, FULL SIZE OF EQUIPMENT OUTLET, TO HUB DRAIN. SLOPE A MINIMUM OF 1/8" PER FOOT. COORDINATE DRAIN LOCATION WITH DIVISION 22.
25. PRE-PIPED FIRE SUPPRESSION SYSTEM, SIMILAR TO ANSUL R102.

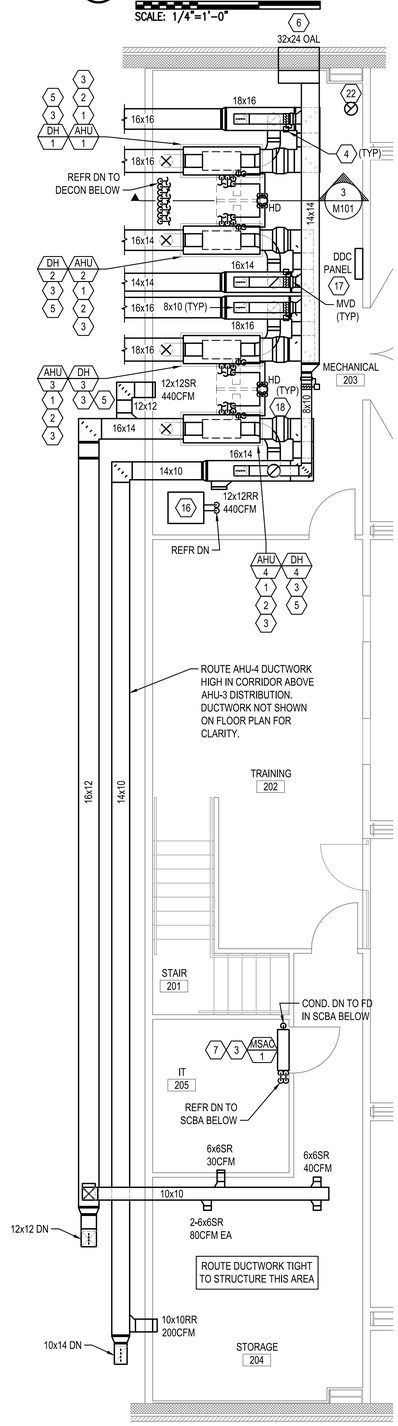
GENERAL NOTES

1. COORDINATE WITH ARCHITECTURAL LIFE SAFETY PLANS FOR LOCATIONS OF ALL FIRE-RATED WALLS.



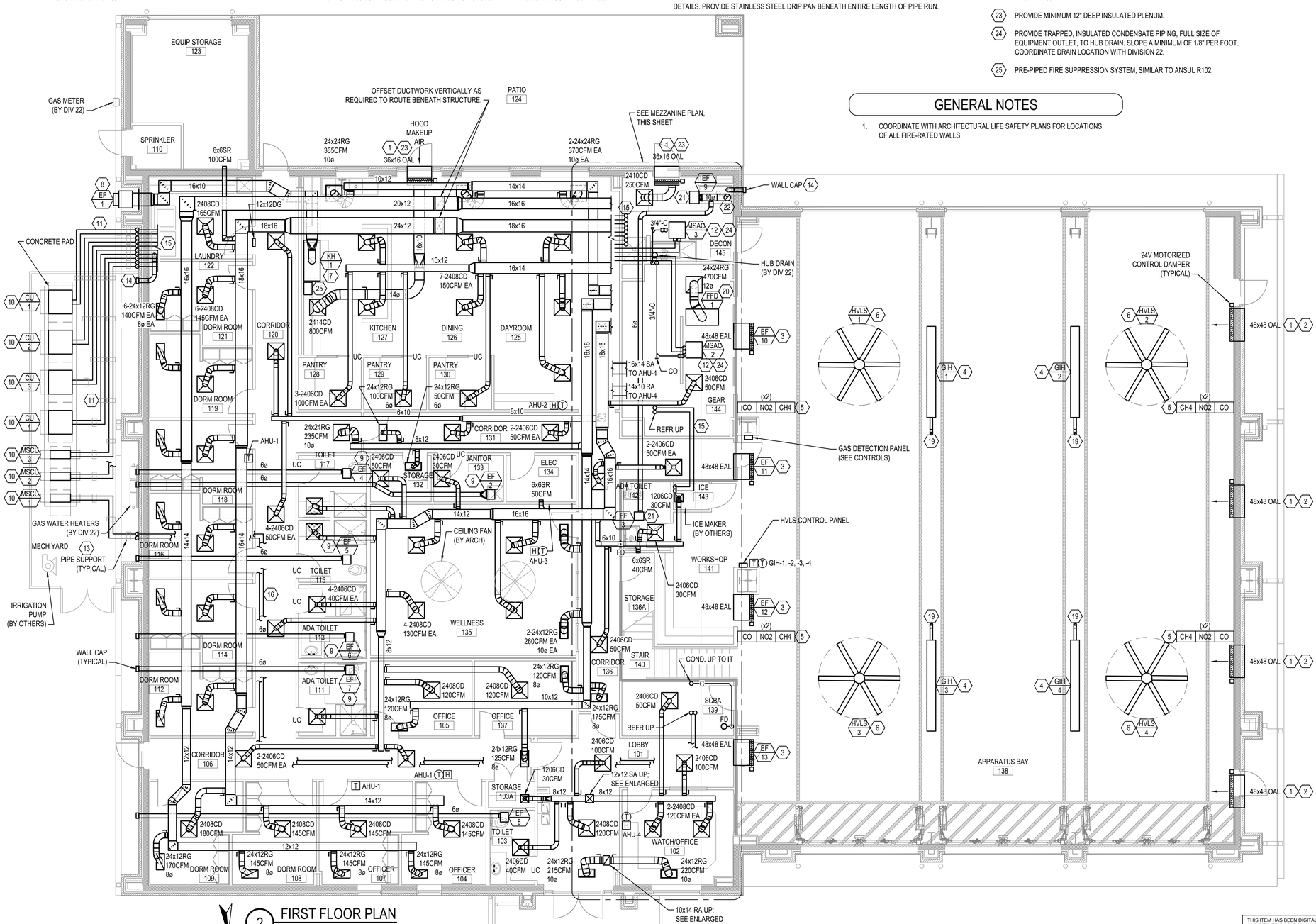
3 SECTION VIEW

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



1 MEZZANINE PLAN

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



2 FIRST FLOOR PLAN

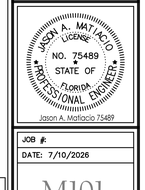
SCALE: 3/16"=1'-0"

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P:850-332-5687 F:850-332-6629
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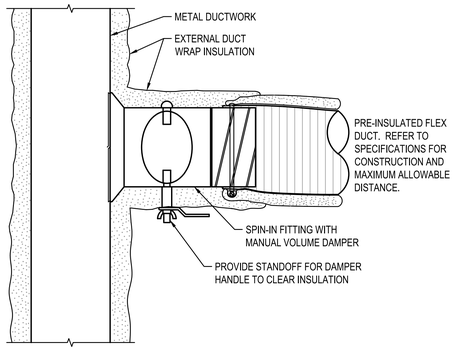
M101

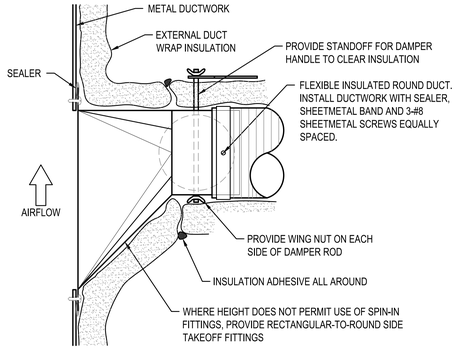
FLOOR PLANS – HVAC

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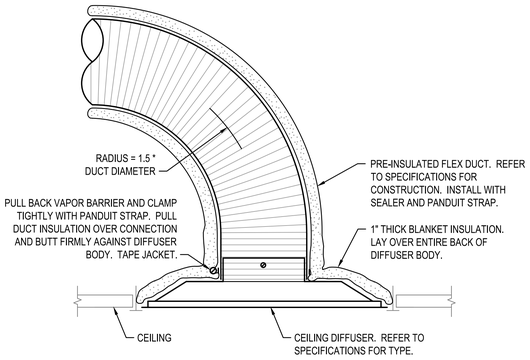
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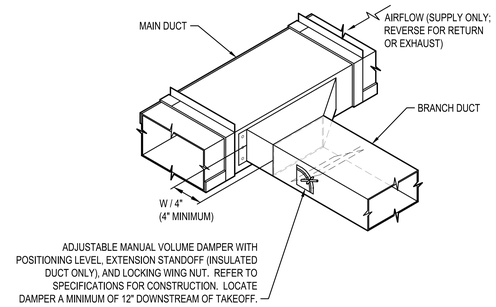
NOTES:
1. CONNECT FLEXIBLE DUCT TO FITTING WITH DRAWBAND AND SEALER.
2. PROVIDE RIGID ROUND DUCT AS REQUIRED AT TAKEOFF FITTING TO COMPLY WITH MAXIMUM ALLOWABLE DISTANCE OF FLEX DUCT.
3. FOR EXHAUST AIR SYSTEMS, PROVIDE RIGID ROUND DUCT IN LIEU OF FLEX DUCT. PROVIDE INSULATION ONLY WHERE SPECIFIED PER DRAWINGS AND SPECIFICATIONS.

1 ROUND DUCT RUNOUT DETAIL
NOT TO SCALE

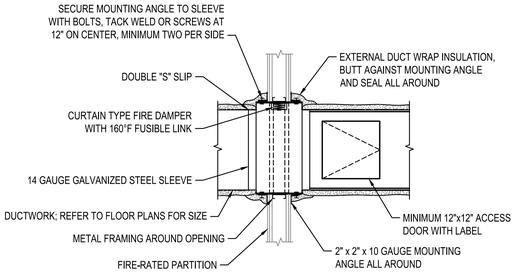


NOTES:
1. FLEX DUCT SHALL BE NO LONGER THAN 5'-0".
2. PROVIDE 24"x24" LAY-IN PANEL FOR DIFFUSERS IN LAY-IN CEILINGS.
3. PROVIDE BEVELED MOUNTING FRAME FOR DIFFUSERS IN HARD CEILINGS.

2 CEILING DIFFUSER DETAIL
NOT TO SCALE

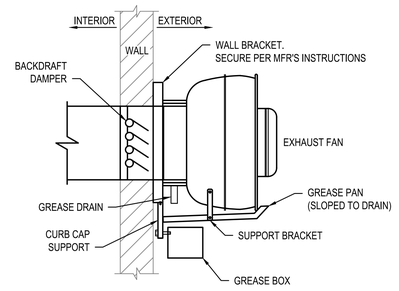


3 BRANCH DUCT TAKEOFF DETAIL
NOT TO SCALE

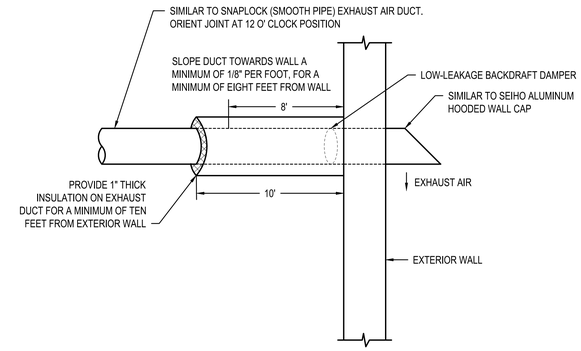


NOTES:
1. FIRE DAMPERS SHALL BE UL CLASSIFIED AND LABELED PER UL 555, OF TYPES AND SIZES INDICATED. CONSTRUCT CASINGS AND BLADES OF GALVANIZED STEEL. DAMPER SHALL NOT RESTRICT DUCT FREE AREA WHEN OPEN. DAMPERS SHALL BE RATED FOR DYNAMIC CLOSURE UNDER FLOW AND PRESSURE. PROVIDE SLEEVES AND MOUNTING ANGLES. PROVIDE DAMPER WITH POSITIVE LOCK IN CLOSED POSITION. ALL DAMPERS SHALL BE SPRING ACTIVATED. BASIS OF DESIGN:
   1.1. 1-1/2 HR: RUSKIN IBD2 - STYLE B FOR RECTANGULAR, STYLE CR FOR ROUND, STYLE CO FOR OVAL.
   1.2. 1-1/2 HR: RUSKIN IBDT FOR TRANSFER GRILLES IN NARROW PARTITIONS.
   1.3. 3 HR: RUSKIN IBD23 - STYLE B FOR RECTANGULAR, STYLE CR FOR ROUND, STYLE CO FOR OVAL.
2. OVERALL SIZE OF DAMPER AND SLEEVE ASSEMBLY: MAXIMUM OPENING SHALL NOT EXCEED 1/8" PER FOOT PLUS 1". OPENING SHALL NOT BE LESS THAN 1/4" LARGER FOR ANY SIZE DAMPER AND SLEEVE ASSEMBLY.
3. REFER TO SPECIFICATIONS FOR TYPE AND CONSTRUCTION.
4. PROVIDE REMOVABLE DUCT SECTIONS TO SERVE DAMPERS OF SIZES 12"x12" OR 12" ROUND AND SMALLER FOR DAMPER INSPECTION AND MAINTENANCE IN ACCORDANCE WITH NFPA 80 AND NFPA 90A. REFER TO SPECIFICATIONS.

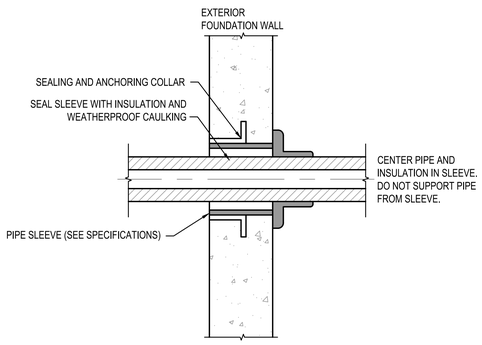
4 VERTICAL FIRE DAMPER DETAIL
NOT TO SCALE



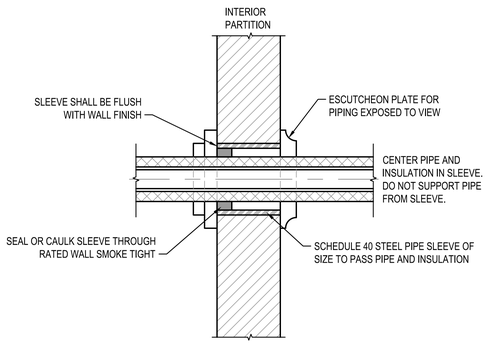
5 KITCHEN HOOD EXHAUST FAN DETAIL (WALL-MOUNTED)
NOT TO SCALE



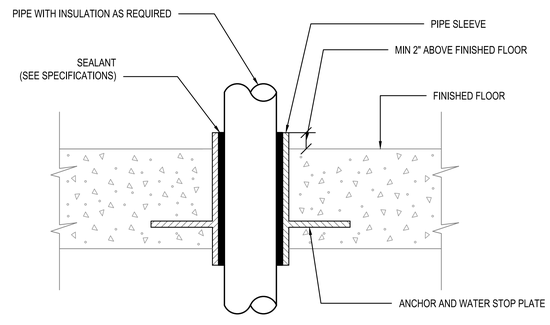
6 EXHAUST AIR DUCT TERMINATION DETAIL (SHOWER APPLICATIONS)
NOT TO SCALE



7 EXTERIOR WALL PIPE SLEEVE DETAIL
NOT TO SCALE



8 INTERIOR PARTITION PIPE SLEEVE DETAIL
NOT TO SCALE



9 FLOOR PIPE SLEEVE DETAIL
NOT TO SCALE

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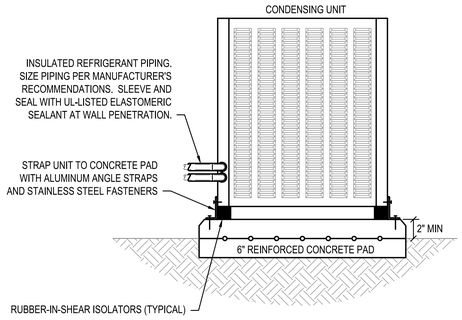
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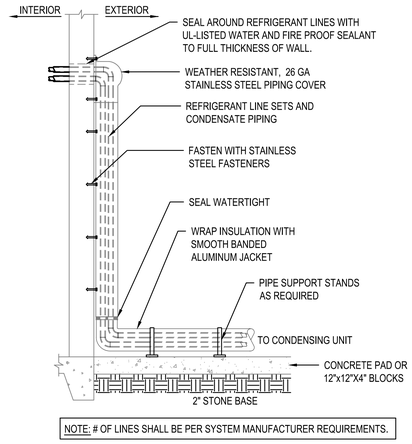
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129 E. Government Street
Pensacola, FL 32502
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DELL CONSULTING PROJECT: 26-0038

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL



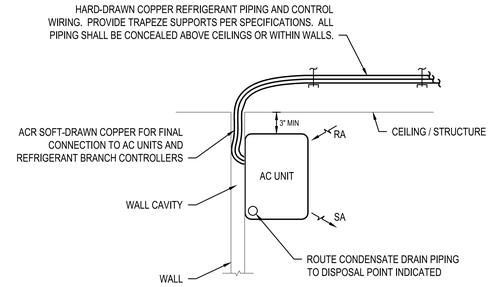
NOTE: SECURE UNIT TO CONCRETE PAD. SIZE CONCRETE PAD 6" LARGER THAN UNIT ON ALL SIDES.

1 CONDENSING UNIT MOUNTING DETAIL
NOT TO SCALE

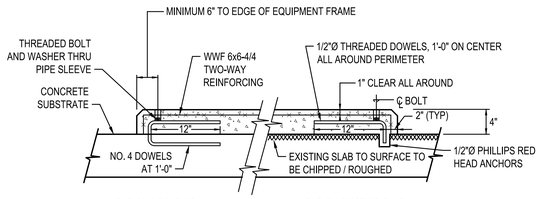


NOTE: # OF LINES SHALL BE PER SYSTEM MANUFACTURER REQUIREMENTS.

2 REFRIGERANT PIPING COVER DETAIL
NOT TO SCALE

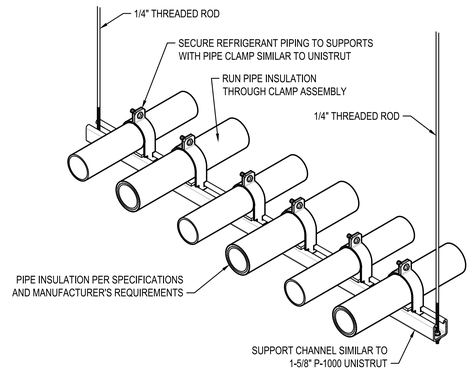


3 WALL-MOUNTED DUCTLESS AC UNIT DETAIL
NOT TO SCALE

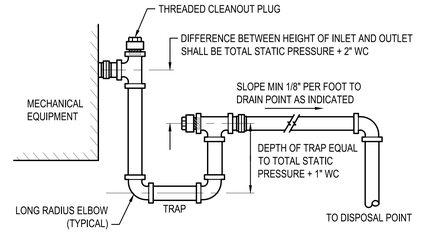


NOTE: COORDINATE FINAL PAD DIMENSIONS AND ANCHOR BOLT LOCATIONS WITH EQUIPMENT.

4 HOUSEKEEPING PAD DETAIL
NOT TO SCALE



5 REFRIGERANT PIPE SUPPORT DETAIL
NOT TO SCALE



NOTES:
1. CONTRACTOR SHALL COORDINATE DRAIN DIMENSIONS AND PAD AND/OR BASE RAIL HEIGHT TO ENSURE PROPER DRAINAGE SLOPE AND CLEARANCE FOR TRAP.
2. REFER TO SPECIFICATIONS FOR DRAIN PIPE MATERIAL.
3. PROVIDE UNIONS AT EQUIPMENT OUTLET AND DOWNSTREAM OF P-TRAP TO FACILITATE REMOVAL AND CLEANING.

6 CONDENSATE DRAIN TRAP DETAIL
NOT TO SCALE

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REVISIONS

JASON A. MATIACIO LICENSE NO. 75489 STATE OF FLORIDA PROFESSIONAL ENGINEER
Jason A. Matiacio 75489

JOB #:
DATE: 7/10/2026

M502
DETAILS

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JASON A. MATIACIO ON JULY 10, 2026.

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SPLIT-SYSTEM DX AIR HANDLING UNIT SCHEDULE

MARK	ASSOCIATED OUTDOOR UNIT	TYPE	REFRIGERANT TYPE	DESIGN CONDITIONS			FAN DATA				DX COOLING CYCLE			DX HEATING CYCLE		AUXILIARY HEAT			ELECTRICAL			FILTER DATA		BASIS OF DESIGN	
				WINTER INDOOR (°F)	SUMMER INDOOR		SUPPLY AIRFLOW (CFM)	OUTDOOR AIRFLOW (CFM)	ESP (IN. WG)	FAN MOTOR (FLA)	TOTAL CAPACITY (BTUH)	COIL EAT		TOTAL CAPACITY (BTUH)	COIL EAT (°F)	TYPE	CAPACITY (KW)	STAGES	V/PH/HZ	MCA	MOCP	TYPE	EFFICIENCY	MANUFACTURER	MODEL
					DB (°F)	WB (°F)						DB (°F)	WB (°F)												
AHU-1	CU-1	HORIZONTAL DRAW THRU	R-454B	70	75	63	1,750	305	0.9	6.8	53,000	80	67	47,900	70	ELECTRIC	10.8	1	208/3/60	45	45	SEE NOTES		TRANE	5TEM6D07
AHU-2	CU-2	HORIZONTAL DRAW THRU	R-454B	70	75	63	1,350	245	0.8	6.8	44,500	80	67	39,490	70	ELECTRIC	10.8	1	208/3/60	45	45	SEE NOTES		TRANE	5TEM6D06
AHU-3	CU-3	HORIZONTAL DRAW THRU	R-454B	70	75	63	1,750	305	0.8	6.8	53,000	80	67	47,900	70	ELECTRIC	10.8	1	208/3/60	45	45	SEE NOTES		TRANE	5TEM6D07
AHU-4	CU-4	HORIZONTAL DRAW THRU	R-454B	70	75	63	1,350	245	0.8	6.8	44,500	80	67	39,490	70	ELECTRIC	10.8	1	208/3/60	45	45	SEE NOTES		TRANE	5TEM6D06

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. REFRIGERANT PIPING SIZING PER MANUFACTURER'S RECOMMENDATIONS. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
3. COORDINATE INSTALLATION WITH MANUFACTURER'S RECOMMENDED SERVICE CLEARANCES.
4. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
5. PROVIDE INTEGRAL DISCONNECT SWITCH.
6. PROVIDE HARD-WIRED PROGRAMMABLE THERMOSTAT WITH BAS INTEGRATION. SEE CONTROLS SHEET FOR REFERENCE.
7. ELECTRIC HEAT RATED AT 208V.
8. REFRIGERANT PIPING SHALL BE CONTINUOUS FROM INDOOR TO OUTDOOR EQUIPMENT AND TESTED IN ACCORDANCE WITH ASHRAE 15 SECTION 9.13.
9. EQUIPMENT SHALL BE OWNER FURNISHED CONTRACTOR INSTALLED.
10. FILTER RACK LOCATED IN DUCTWORK. EXCLUDE FILTERS FROM EQUIPMENT.

DEHUMIDIFIER SCHEDULE

MARK	LOCATION	FAN DATA		DEHUMIDIFICATION CYCLE		ELECTRICAL		FILTER DATA		BASIS OF DESIGN	
		AIRFLOW @ 0.4" ESP (CFM)	ESP (IN. WC)	CAPACITY (PPD)	ENERGY FACTOR (L/kWH)	V/PH/Hz	AMPS	THICKNESS	EFFICIENCY	MAKE	MODEL
DH-1	AHU-1	225	0.4	130	2.9	120/1/60	8.3	2" PLEATED	MERV 8	APRIL AIRE	E130
DH-2	AHU-2	225	0.4	130	2.9	120/1/60	8.3	2" PLEATED	MERV 8	APRIL AIRE	E130
DH-3	AHU-3	225	0.4	130	2.9	120/1/60	8.3	2" PLEATED	MERV 8	APRIL AIRE	E130
DH-4	AHU-4	225	0.4	130	2.9	120/1/60	8.3	2" PLEATED	MERV 8	APRIL AIRE	E130

NOTES:
1. CAPACITY AND ENERGY FACTOR RATED IN ACCORDANCE WITH AHAM DH-1.
2. PROVIDE HARD-WIRED, WALL-MOUNTED HUMIDISTAT WITH BAS INTEGRATION. SEE CONTROLS SHEET FOR REFERENCE.
3. PROVIDE DISCONNECT SWITCH.
4. PROVIDE SINGLE POINT POWER CONNECTION.
5. PROVIDE HINGED & LATCHED ACCESS DOORS.
6. INTERLOCK DEHUMIDIFIER OPERATION WITH ASSOCIATED AHU FAN.
7. EQUIPMENT SHALL BE OWNER FURNISHED CONTRACTOR INSTALLED.

SPLIT-SYSTEM DX CONDENSING UNIT SCHEDULE

MARK	LOCATION	TYPE	REFRIGERANT TYPE	DESIGN CONDITIONS			DX COOLING CYCLE		DX HEATING CYCLE		ELECTRICAL			UNIT WEIGHT (LB)	BASIS OF DESIGN	
				WINTER OUTDOOR (°F)	SUMMER OUTDOOR		TOTAL CAPACITY (BTUH)	SEER2	TOTAL CAPACITY (BTUH)	COP2	V/PH/HZ	MCA	MOCP		MANUFACTURER	MODEL
					DB (°F)	WB (°F)										
CU-1	YARD	HEAT PUMP	R-454B	29	95	78	53,000	17.1	47,900	3.9	208/1/60	39	60	250	TRANE	5TWV7060
CU-2	YARD	HEAT PUMP	R-454B	29	95	78	44,500	17.1	39,400	4.1	208/1/60	33	50	300	TRANE	5TWV7048
CU-3	YARD	HEAT PUMP	R-454B	29	95	78	53,000	17.1	47,900	3.9	208/1/60	39	60	250	TRANE	5TWV7060
CU-4	YARD	HEAT PUMP	R-454B	29	95	78	44,500	17.1	39,400	4.1	208/1/60	33	50	300	TRANE	5TWV7048

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATIONS.
3. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
4. COORDINATE INSTALLATION WITH MANUFACTURER'S RECOMMENDED SERVICE AND OPERATING CLEARANCES.
5. PROVIDE LOW AMBIENT WIND BAFFLE.
6. PROVIDE SEACOAST PROTECTION COATING FOR ALL COILS.
7. PROVIDE SINGLE POINT ELECTRICAL CONNECTION.
8. EQUIPMENT SHALL BE OWNER FURNISHED CONTRACTOR INSTALLED.

HIGH VOLUME LOW SPEED FAN SCHEDULE

MARK	LOCATION	DIAMETER (FT)	DRIVE	WEIGHT (LBS)	FAN DATA		ELECTRICAL		CONTROL	BASIS OF DESIGN	
					FAN HP	RPM	(V/PH/HZ)	BHP		MANUFACTURER	MODEL
HVLS-1	138 APPARATUS BAY	10'-0"	DIRECT	170	1-1/2	164	208/3/60	1.15	SEE NOTES	GREENHECK	DS-6-10-90LV
HVLS-2	138 APPARATUS BAY	10'-0"	DIRECT	170	1-1/2	164	208/3/60	1.15	SEE NOTES	GREENHECK	DS-6-10-90LV
HVLS-3	138 APPARATUS BAY	10'-0"	DIRECT	170	1-1/2	164	208/3/60	1.15	SEE NOTES	GREENHECK	DS-6-10-90LV
HVLS-4	138 APPARATUS BAY	10'-0"	DIRECT	170	1-1/2	164	208/3/60	1.15	SEE NOTES	GREENHECK	DS-6-10-90LV

NOTES:
1. PROVIDE MOUNTING BRACKETS.
2. PROVIDE VFD.
3. PROVIDE SINGLE POINT OF POWER.
4. PROVIDE DISCONNECT.
5. PROVIDE BACNET TOUSCHSCREEN CONTROL PANEL, ABLE TO CONTROL UP TO 4 FANS. INTEGRATE WITH BAS.

EXHAUST FAN SCHEDULE

MARK	LOCATION	SERVICE	TYPE	DRIVE	PERFORMANCE DATA					MOTOR DATA		CONTROL	REMARKS	DESIGN ACH	BASIS OF DESIGN	
					AIRFLOW (CFM)	ESP (IN. WG)	FAN BHP	RPM	SONES	SIZE (HP)	ELEC (V/PH/HZ)				MANUFACTURER	MODEL
EF-1	127 KITCHEN	KITCHEN EXHAUST	WALL-MOUNT	DIRECT	800	1.0	0.40	2000	12.1	3/4	208/1/60	INTERLOCK WITH HOOD	(1) (2) (3) (4) (5) (6) (7) (8)	-	GREENHECK	CUE-100HP-VG
EF-2	133 JANITOR	GENERAL EXHAUST	CEILING EXHAUST FAN	DIRECT	100	0.5	0.02	800	2.5	34W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	-	GREENHECK	SP-A200
EF-3	142 TOILET	TOILET EXHAUST	CEILING EXHAUST FAN	DIRECT	80	0.6	0.02	840	3.0	38W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	-	GREENHECK	SP-A200
EF-4	117 TOILET	TOILET EXHAUST	CEILING EXHAUST FAN	DIRECT	80	0.4	0.04	650	2.5	74W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	-	GREENHECK	SP-B110ES
EF-5	115 TOILET	TOILET EXHAUST	CEILING EXHAUST FAN	DIRECT	80	0.4	0.04	650	2.5	74W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	-	GREENHECK	SP-B110ES
EF-6	113 TOILET	TOILET EXHAUST	CEILING EXHAUST FAN	DIRECT	80	0.4	0.04	650	2.5	74W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	-	GREENHECK	SP-B110ES
EF-7	111 TOILET	TOILET EXHAUST	CEILING EXHAUST FAN	DIRECT	80	0.4	0.04	650	2.5	74W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	-	GREENHECK	SP-B110ES
EF-8	103 PUBLIC TOILET	TOILET EXHAUST	CEILING EXHAUST FAN	DIRECT	80	0.4	0.04	650	2.5	74W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	-	GREENHECK	SP-B110ES
EF-9	145 DECON	GENERAL EXHAUST	CEILING EXHAUST FAN	DIRECT	250	0.6	0.08	1400	5.0	56W	120/1/60	INTERLOCK WITH LIGHTS	(1) (3) (4) (5) (6)	12.4	GREENHECK	SP-A390-VG
EF-10	138 APPARATUS BAY	VENTILATION	PROPELLER WALL FAN	DIRECT	4,800	0.3	0.5	820	12.9	3/4	208/1/60	INTERLOCK WITH GAS DETECTION SYSTEM	(1) (4) (5) (6) (9) (10) (11) (12)	10	GREENHECK	AER-30-02-0315-VG
EF-11	138 APPARATUS BAY	VENTILATION	PROPELLER WALL FAN	DIRECT	4,800	0.3	0.5	820	12.9	3/4	208/1/60	INTERLOCK WITH GAS DETECTION SYSTEM	(1) (4) (5) (6) (9) (10) (11) (12)		GREENHECK	AER-30-02-0315-VG
EF-12	138 APPARATUS BAY	VENTILATION	PROPELLER WALL FAN	DIRECT	4,800	0.3	0.5	820	12.9	3/4	208/1/60	INTERLOCK WITH GAS DETECTION SYSTEM	(1) (4) (5) (6) (9) (10) (11) (12)		GREENHECK	AER-30-02-0315-VG
EF-13	138 APPARATUS BAY	VENTILATION	PROPELLER WALL FAN	DIRECT	4,800	0.3	0.5	820	12.9	3/4	208/1/60	INTERLOCK WITH GAS DETECTION SYSTEM	(1) (4) (5) (6) (9) (10) (11) (12)		GREENHECK	AER-30-02-0315-VG

REMARKS:
(1) PROVIDE FAN SPEED CONTROLLER.
(2) PROVIDE BIRD SCREEN.
(3) PROVIDE BACKDRAFT DAMPER.
(4) PROVIDE DISCONNECT.
(5) PROVIDE THERMAL OVERLOAD.
(6) PROVIDE VIBRATION ISOLATORS.
(7) PROVIDE GREASE TROUGH.
(8) PROVIDE DRAIN CONNECTION.
(9) PROVIDE MOTORIZED DAMPER.
(10) PROVIDE WALL SLEEVE.
(11) PROVIDE WEATHERHOOD WITH BIRD SCREEN.
(12) PROVIDE WIRE GUARD (MOTOR SIDE).

KITCHEN HOOD SCHEDULE

MARK	CATEGORY	LOCATION	SERVICE	TYPE	DIMENSIONS				EXHAUST PLENUM			BASIS OF DESIGN	
					LENGTH (IN.)	WIDTH (IN.)	HEIGHT (IN.)	WEIGHT (LBS)	AIRFLOW (CFM)	CONNECTION SIZE	SP (IN. WC)	MFR	MODEL
KH-1	DOMESTIC RANGE HOOD	127 KITCHEN	COOKING EQUIPMENT	WALL-MOUNTED	60	24	24	175	800	10ø	0.6	CAPTIVEAIRE	WRH-T-60

NOTES:
1. INSTALL HOOD AND ACCESSORIES PER MANUFACTURER'S RECOMMENDATIONS.
2. MOUNTING HEIGHT SHALL BE 54 IN. ABOVE FINISHED FLOOR.
3. PROVIDE FINISHED BACK - FULL LENGTH.
4. PROVIDE WRAPPER BETWEEN TOP OF HOOD AND CEILING.
5. PROVIDE UL-LISTED STAINLESS STEEL BAFFLE FILTERS, SIMILAR TO CAPTIVEAIRE CAPTRATE SOLO.
6. PROVIDE BACKSPLASH.
7. PROVIDE UL-LISTED LIGHT FIXTURES WITH MANUAL SWITCH.
8. PROVIDE REMOVABLE GREASE CUP WITH CONCEALED GREASE TROUGH.
9. PROVIDE PRE-PIPED WET CHEMICAL FIRE SUPPRESSION SYSTEM SIMILAR TO ANSUL R102.
10. PROVIDE HOOD CONTROLS TO INCLUDE LIGHT SWITCH AND FAN SWITCH.
11. PROVIDE GAS VALVE SHUT-OFF. COORDINATE WITH PLUMBING AND ELECTRICAL.
12. EQUIPMENT SHALL BE OWNER FURNISHED CONTRACTOR INSTALLED.

DUCTLESS SPLIT-SYSTEM AIR CONDITIONING UNIT SCHEDULE (OUTDOOR UNIT)

MARK	LOCATION	SERVICE	TYPE	REFRIGERANT TYPE	DESIGN CONDITIONS			DX COOLING CYCLE		DX HEATING CYCLE (47°F OUTDOOR)		ELECTRICAL			UNIT WEIGHT (LB)	BASIS OF DESIGN	
					WINTER OUTDOOR (°F)	SUMMER OUTDOOR		TOTAL CAPACITY (BTUH)	SEER2	TOTAL CAPACITY (BTUH)	COP	V/PH/Hz	MCA	MOCP		MANUFACTURER	MODEL
						DB (°F)	WB (°F)										
MSCU-1	YARD	205 IT	STRAIGHT COOL	R454B	29	95	78	24,500	21.1	-	-	208/1/60	22	35	160	MITSUBISHI	PUY-AH24
MSCU-2	YARD	144 GEAR	HEAT PUMP	R454B	29	95	78	24,500	22.6	31,600	4.1	208/1/60	22	35	160	MITSUBISHI	PUZ-AH24
MSCU-3	YARD	145 DECON	HEAT PUMP	R454B	29	95	78	24,500	22.6	31,600	4.1	208/1/60	22	35	160	MITSUBISHI	PUZ-AH24

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. SIZE REFRIGERANT PIPING PER MANUFACTURER'S RECOMMENDATION.
3. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
4. PROVIDE HAIL GUARD FOR CONDENSER COIL.
5. PROVIDE SEACOAST PROTECTION FOR CONDENSER COIL.
6. PROVIDE VARIABLE-SPEED INVERTER COMPRESSOR.
7. EQUIPMENT SHALL BE OWNER FURNISHED CONTRACTOR INSTALLED.

FAN-POWERED HEPA FILTER DIFFUSER SCHEDULE

MARK	AIRFLOW (CFM)	MODULE SIZE (IN. X IN.)	INLET SIZE (IN.)	MOTOR HP	ELECTRICAL (V/PH/HZ)	BASIS OF DESIGN	
						MANUFACTURER	MODEL
FFD-1	470	48x24	12	1/3	120/1/60	TITUS	FFDERA

NOTES:
1. PROVIDE ROOM-SIDE REPLACEABLE MOTOR AND FILTER.
2. PROVIDE NEOPRENE GASKETED FILTER RACK - 99.99% HEPA FILTER.
3. PROVIDE ALUMINUM CONSTRUCTION.
4. PROVIDE ROUND DUCT COLLAR.
5. PROVIDE ELECTRONICALLY COMMUTATED FAN MOTOR WITH SPEED CONTROLLER.
6. PROVIDE AIRFLOW INDICATOR LIGHT (GREEN).
7. PROVIDE FILTER LOAD INDICATOR LIGHT (RED).
8. PROVIDE DISCONNECT.
9. AIRFLOW PERFORMANCE BASED ON 90 FPM.

DUCTLESS SPLIT-SYSTEM AIR CONDITIONING UNIT SCHEDULE (INDOOR UNIT)

MARK	ASSOCIATED OUTDOOR UNIT	TYPE	SERVICE	REFRIGERANT TYPE	DESIGN CONDITIONS			FAN DATA		DX COOLING CYCLE			DX HEATING CYCLE		ELECTRICAL	WEIGHT (LBS)	BASIS OF DESIGN	
					WINTER INDOOR (°F)	SUMMER INDOOR		SUPPLY AIRFLOW (CFM)	FAN MOTOR (W)	TOTAL CAPACITY (BTUH)	COIL EAT		TOTAL CAPACITY (BTUH)	COIL EAT (°F)	V/PH/HZ		MANUFACTURER	MODEL
						DB (°F)	WB (°F)				DB (°F)	WB (°F)						
MSAC-1	MSCU-1	WALL-MOUNTED	205 IT	R454B	70	75	63	705	69	24,500	80	67	-	-	208/1/60	50	MITSUBISHI	PKA-AK24
MSAC-2	MSCU-2	2' x 2' CEILING CASSETTE	144 GEAR	R454B	70	75	63	710	120	24,500	80	67	31,600	70	208/1/60	60	MITSUBISHI	PKA-AE24
MSAC-3	MSCU-3	2' x 2' CEILING CASSETTE	145 DECON	R454B	70	75	63	710	120	24,500	80	67	31,600	70	208/1/60	60	MITSUBISHI	PKA-AE24

NOTES:
1. COOLING AND HEATING CAPACITIES RATED AT AHRI STANDARD CONDITIONS.
2. PROVIDE VARIABLE SPEED FAN; AIRFLOW LISTED AT MEDIUM SPEED.
3. PROVIDE HARD-WIRED WALL-MOUNTED THERMOSTAT WITH BAS INTEGRATION. SEE CONTROLS SHEET FOR REFERENCE
4. PROVIDE 24V CONTROL WIRING FROM EACH INDOOR UNIT TO ASSOCIATED CONDENSING UNIT AS REQUIRED.
5. SUBMIT APPROXIMATE REFRIGERANT LINE LENGTHS (TOTAL AND VERTICAL) AND SIZES FOR REVIEW WITH PRODUCT DATA.
6. PROVIDE INTEGRAL CONDENSATE PUMP.
7. DISCONNECT (TOGGLE SWITCH) PROVIDED BY DIVISION 26.
8. REFRIGERANT PIPING SHALL BE CONTINUOUS FROM INDOOR TO OUTDOOR EQUIPMENT AND TESTED IN ACCORDANCE WITH ASHRAE 15 SECTION 9.13.
9. EQUIPMENT SHALL BE OWNER FURNISHED CONTRACTOR INSTALLED.

INFRARED HEATER SCHEDULE

MARK	LOCATION	SERVICE	ENERGY SOURCE	INPUT CAPACITY (MBH)	STAGES	TUBE LENGTH (FT)	ELECTRICAL		CONTROL	BASIS OF DESIGN	
							V/PH/HZ	MCA		MANUFACTURER	MODEL
GIH-1	138 APPARATUS BAY	BAY HEATING	NATURAL GAS	40	1	10	120/1/60	1.8	THERMOSTAT	SPACE-RAY	PTS40-10-N5
GIH-2	138 APPARATUS BAY	BAY HEATING	NATURAL GAS	40	1	10	120/1/60	1.8	THERMOSTAT	SPACE-RAY	PTS40-10-N5
GIH-3	138 APPARATUS BAY	BAY HEATING	NATURAL GAS	40	1	10	120/1/60	1.8	THERMOSTAT	SPACE-RAY	PTS40-10-N5
GIH-4	138 APPARATUS BAY	BAY HEATING	NATURAL GAS	40	1	10	120/1/60	1.8	THERMOSTAT	SPACE-RAY	PTS40-10-N5

NOTES:
1. PROVIDE MANUFACTURER'S SINGLE 24V PROGRAMMABLE THERMOSTAT TO CONTROL ALL HEATERS.
2. PROVIDE CORDED CONNECTION. POWER RECEPTACLE BY DIVISION 26.
3. PROVIDE MOUNTING HARDWARE AS REQUIRED.

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JASON A. MATIACIO ON JULY 10, 2026.

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Jason A. Matiacio 75489

JOB #:
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M601

SCHEDULES

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DELL CONSULTING PROJECT: 26-0038

OUTSIDE AIR VENTILATION CALCULATIONS

SYSTEM TAG: AHU-1
SYSTEM TYPE: MULTIPLE ZONE RECIRCULATING SYSTEMS
APPLICABLE CODE: 2023 FLORIDA MECHANICAL CODE, SECTION 403

ROOM NUMBER AND NAME	CATEGORY	FLOOR AREA, Az (SF)	FLOOR AREA OA RATE, Ra (CFM/SF)	ROOM OCCUPANCY, Pz (PEOPLE)	OCCUPANCY OA RATE, Rp (CFM/PERSON)	BREATHING ZONE OUTSIDE AIRFLOW, Vbz (CFM)	AIR DISTRIBUTION EFFECTIVENESS, Ez	ROOM OUTSIDE AIRFLOW, Voz (CFM)	MAX SUPPLY AIRFLOW, (CFM)	DESIGN SA CONDITION ANALYZED, Vpz (CFM)	SYSTEM VENTILATION EFFICIENCY, Evz
104 OFFICER	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
107 OFFICER	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
108 DORM ROOM	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
109 DORM ROOM	BARRACKS SLEEPING AREAS	134	0.06	1	5.0	13.0	0.8	16.3	180	180	0.996
112 DORM ROOM	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
114 DORM ROOM	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
116 DORM ROOM	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
118 DORM ROOM	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
119 DORM ROOM	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
121 DORM ROOM	BARRACKS SLEEPING AREAS	120	0.06	1	5.0	12.2	0.8	15.3	145	145	0.981
122 LAUNDRY	LAUNDRY ROOMS, CENTRAL	127	0.12	0	5.0	15.2	0.8	19.1	165	165	0.971
123 EQUIP STORAGE	DRY STORAGE ROOMS	217	0.06	0	5.0	13.0	0.8	16.3	100	100	0.924
TOTALS		1558	-	10	-	151.1	-	188.9	1,750	1,750	-

SYSTEM SUMMARY

OCCUPANT DIVERSITY, D	1
UNCORRECTED OUTSIDE AIR INTAKE, Vou (CFM)	151
SYSTEM PRIMARY AIRFLOW, Vps (CFM)	1,750
AVERAGE OUTDOOR AIR FRACTION, Xs	0.086
SYSTEM VENTILATION EFFICIENCY, Ev	0.924
MINIMUM REQUIRED OUTSIDE AIRFLOW, Vot (CFM)	164
DESIGN OUTSIDE AIRFLOW (CFM)	305

OUTSIDE AIR VENTILATION CALCULATIONS

SYSTEM TAG: AHU-3
SYSTEM TYPE: MULTIPLE ZONE RECIRCULATING SYSTEMS
APPLICABLE CODE: 2023 FLORIDA MECHANICAL CODE, SECTION 403

ROOM NUMBER AND NAME	CATEGORY	FLOOR AREA, Az (SF)	FLOOR AREA OA RATE, Ra (CFM/SF)	ROOM OCCUPANCY, Pz (PEOPLE)	OCCUPANCY OA RATE, Rp (CFM/PERSON)	BREATHING ZONE OUTSIDE AIRFLOW, Vbz (CFM)	AIR DISTRIBUTION EFFECTIVENESS, Ez	ROOM OUTSIDE AIRFLOW, Voz (CFM)	MAX SUPPLY AIRFLOW, (CFM)	DESIGN SA CONDITION ANALYZED, Vpz (CFM)	SYSTEM VENTILATION EFFICIENCY, Evz
105 OFFICE	OFFICE SPACES	115	0.06	1	5.0	11.9	0.8	14.9	120	120	0.983
106 CORRIDOR	CORRIDORS	228	0.06	0	-	13.7	0.8	17.1	100	100	0.936
111 ADA TOILET	TOILET ROOMS	75	-	0	-	-	0.8	-	40	40	1.107
113 ADA TOILET	TOILET ROOMS	75	-	0	-	-	0.8	-	40	40	1.107
115 TOILET	TOILET ROOMS	64	-	0	-	-	0.8	-	40	40	1.107
117 TOILET	TOILET ROOMS	64	-	0	-	-	0.8	-	40	40	1.107
120 CORRIDOR	CORRIDORS	384	0.06	0	-	23.0	0.8	28.8	200	200	0.963
131 CORRIDOR	CORRIDORS	157	0.06	0	-	9.4	0.8	11.8	100	100	0.989
132 STORAGE	DRY STORAGE ROOMS	43	0.06	0	5.0	2.6	0.8	3.2	50	50	1.042
133 JANITOR	DRY STORAGE ROOMS	50	0.06	0	5.0	3.0	0.8	3.8	30	30	0.982
134 ELEC	MECHANICAL/ELECTRICAL	50	-	0	-	-	0.8	-	50	50	1.107
135 WELLNESS	MULTIPURPOSE ASSEMBLY	476	0.06	10	5.0	78.6	0.8	98.2	520	520	0.918
136 CORRIDOR	CORRIDORS	213	0.06	0	-	12.8	0.8	16.0	150	150	1.000
136A STORAGE	DRY STORAGE ROOMS	28	0.06	0	5.0	1.7	0.8	2.1	40	40	1.054
137 OFFICE	OFFICE SPACES	115	0.06	1	5.0	11.9	0.8	14.9	120	120	0.983
142 ADA TOILET	TOILET ROOMS	50	-	0	-	-	0.8	-	30	30	1.107
143 ICE	DRY STORAGE ROOMS	15	0.06	0	5.0	0.9	0.8	1.1	30	30	1.069
144 GEAR	DRY STORAGE ROOMS	289	0.06	0	5.0	17.3	0.8	21.7	50	50	0.673
TOTALS		2491	-	12	-	186.8	-	233.5	1,750	1,750	-

SYSTEM SUMMARY

OCCUPANT DIVERSITY, D	1
UNCORRECTED OUTSIDE AIR INTAKE, Vou (CFM)	187
SYSTEM PRIMARY AIRFLOW, Vps (CFM)	1,750
AVERAGE OUTDOOR AIR FRACTION, Xs	0.107
SYSTEM VENTILATION EFFICIENCY, Ev	0.673
MINIMUM REQUIRED OUTSIDE AIRFLOW, Vot (CFM)	277
DESIGN OUTSIDE AIRFLOW (CFM)	305

OUTSIDE AIR VENTILATION CALCULATIONS

SYSTEM TAG: AHU-2
SYSTEM TYPE: MULTIPLE ZONE RECIRCULATING SYSTEMS
APPLICABLE CODE: 2023 FLORIDA MECHANICAL CODE, SECTION 403

ROOM NUMBER AND NAME	CATEGORY	FLOOR AREA, Az (SF)	FLOOR AREA OA RATE, Ra (CFM/SF)	ROOM OCCUPANCY, Pz (PEOPLE)	OCCUPANCY OA RATE, Rp (CFM/PERSON)	BREATHING ZONE OUTSIDE AIRFLOW, Vbz (CFM)	AIR DISTRIBUTION EFFECTIVENESS, Ez	ROOM OUTSIDE AIRFLOW, Voz (CFM)	MAX SUPPLY AIRFLOW, (CFM)	DESIGN SA CONDITION ANALYZED, Vpz (CFM)	SYSTEM VENTILATION EFFICIENCY, Evz
125 DAYROOM	MULTIPURPOSE ASSEMBLY	405	0.06	9	5.0	69.3	0.8	86.6	320	320	0.872
126 DINING	BREAK ROOMS	314	0.06	10	5.0	68.8	0.8	86.1	320	320	0.873
127 KITCHEN	KITCHENS (COOKING)	250	0.12	2	7.5	45.0	0.8	56.3	410	410	1.005
128 PANTRY	DRY STORAGE ROOMS	50	0.06	0	5.0	3.0	0.8	3.8	100	100	1.105
129 PANTRY	DRY STORAGE ROOMS	50	0.06	0	5.0	3.0	0.8	3.8	100	100	1.105
130 PANTRY	DRY STORAGE ROOMS	50	0.06	0	5.0	3.0	0.8	3.8	100	100	1.105
TOTALS		1119	-	21	-	192.1	-	240.2	1,350	1,350	-

SYSTEM SUMMARY

OCCUPANT DIVERSITY, D	1
UNCORRECTED OUTSIDE AIR INTAKE, Vou (CFM)	192
SYSTEM PRIMARY AIRFLOW, Vps (CFM)	1,350
AVERAGE OUTDOOR AIR FRACTION, Xs	0.142
SYSTEM VENTILATION EFFICIENCY, Ev	0.872
MINIMUM REQUIRED OUTSIDE AIRFLOW, Vot (CFM)	220
DESIGN OUTSIDE AIRFLOW (CFM)	245

OUTSIDE AIR VENTILATION CALCULATIONS

SYSTEM TAG: AHU-4
SYSTEM TYPE: MULTIPLE ZONE RECIRCULATING SYSTEMS
APPLICABLE CODE: 2023 FLORIDA MECHANICAL CODE, SECTION 403

ROOM NUMBER AND NAME	CATEGORY	FLOOR AREA, Az (SF)	FLOOR AREA OA RATE, Ra (CFM/SF)	ROOM OCCUPANCY, Pz (PEOPLE)	OCCUPANCY OA RATE, Rp (CFM/PERSON)	BREATHING ZONE OUTSIDE AIRFLOW, Vbz (CFM)	AIR DISTRIBUTION EFFECTIVENESS, Ez	ROOM OUTSIDE AIRFLOW, Voz (CFM)	MAX SUPPLY AIRFLOW, (CFM)	DESIGN SA CONDITION ANALYZED, Vpz (CFM)	SYSTEM VENTILATION EFFICIENCY, Evz
101 ENTRY	MAIN ENTRY LOBBIES	283	0.06	0	5.0	17.0	0.8	21.2	320	320	0.979
102 WATCH/OFFICE	OFFICE SPACES	156	0.06	2	5.0	19.4	0.8	24.2	240	240	0.944
103 TOILET	TOILET ROOMS	50	-	0	-	-	0.8	-	40	40	1.045
103A STORAGE	DRY STORAGE ROOMS	18	0.06	0	5.0	1.1	0.8	1.4	30	30	1.000
139 SCBA	DRY STORAGE ROOMS	91	0.06	0	5.0	5.5	0.8	6.8	50	50	0.864
203 MECHANICAL	MECHANICAL/ELECTRICAL	365	-	0	-	-	0.8	-	440	440	1.045
204 STORAGE	DRY STORAGE ROOMS	295	0.06	0	5.0	17.7	0.8	22.1	200	200	0.934
205 IT	MECHANICAL/ELECTRICAL	89	-	0	-	-	0.8	-	30	30	1.045
TOTALS		1347	-	2	-	60.6	-	75.7	1,350	1,350	-

SYSTEM SUMMARY

OCCUPANT DIVERSITY, D	1
UNCORRECTED OUTSIDE AIR INTAKE, Vou (CFM)	61
SYSTEM PRIMARY AIRFLOW, Vps (CFM)	1,350
AVERAGE OUTDOOR AIR FRACTION, Xs	0.045
SYSTEM VENTILATION EFFICIENCY, Ev	0.864
MINIMUM REQUIRED OUTSIDE AIRFLOW, Vot (CFM)	70
DESIGN OUTSIDE AIRFLOW (CFM)	245

BUILDING PRESSURIZATION SCHEDULE

OCCUPANCY MODE	HVAC SYSTEM MODE	AREA (SF)	VOLUME (CF)	PRESSURIZATION					
				OA (CFM)	EXH (CFM)	OFFSET (CFM)	OA ACH	EXH ACH	NET ACH
UNOCCUPIED	SETBACK	6,424	62,224	1,100	0	1,100	1.06	0.00	1.06
OCCUPIED	PEAK COINCIDENT EXHAUST			1,100	590	510	1.06	0.57	0.49
OCCUPIED	100% EXHAUST			1,100	830	270	1.06	0.80	0.26

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JASON A. MATIACIO ON JULY 10, 2026.

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Jason A. Matiacio 75489

JOB #:
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M602
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ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT³)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT³)		
AHU-1	R-454B	A2L	9.4	22	18.5	0.5	1
SPACES SERVED			AREA (FT²)		CEILING HEIGHT (FT)	VOLUME (FT³)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT³)
104 OFFICER			120		10	1200	17424
107 OFFICER			120		10	1200	
108 DORM ROOM			120		10	1200	
109 DORM ROOM			134		10	1340	
112 DORM ROOM			120		10	1200	
114 DORM ROOM			120		10	1200	
116 DORM ROOM			120		10	1200	
118 DORM ROOM			120		10	1200	
119 DORM ROOM			120		10	1200	
121 DORM ROOM			120		10	1200	
122 LAUNDRY			127		10	1270	
123 EQUIP STORAGE			217		18.5	4014	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =			V_{EFF} x LFL x CF x F_{OCC} =		161.2	>	9.4 (M_{AV})
						COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIGIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.

ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT³)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT³)		
AHU-3	R-454B	A2L	9.4	22	18.5	0.5	1
SPACES SERVED			AREA (FT²)		CEILING HEIGHT (FT)	VOLUME (FT³)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT³)
105 OFFICE			115		10	1150	24277
106 CORRIDOR			228		10	2280	
111 ADA TOILET			75		9	675	
113 ADA TOILET			75		9	675	
115 TOILET			64		9	576	
117 TOILET			64		9	576	
120 CORRIDOR			384		10	3840	
131 CORRIDOR			157		10	1570	
132 STORAGE			43		9	387	
133 JANITOR			50		9	450	
135 WELLNESS			476		12	5712	
136 CORRIDOR			213		10	2130	
136A STORAGE			28		8	224	
137 OFFICE			115		10	1150	
142 ADA TOILET			50		9	450	
143 ICE			15		8	120	
144 GEAR			289		8	2312	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =			V_{EFF} x LFL x CF x F_{OCC} =		224.6	>	9.4 (M_{AV})
						COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIGIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.

ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT³)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT³)		
AHU-4	R-454B	A2L	9.4	22	18.5	0.5	1
SPACES SERVED			AREA (FT²)		CEILING HEIGHT (FT)	VOLUME (FT³)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT³)
101 ENTRY			283		10	2830	11010
102 WATCH/OFFICE			156		10	1560	
103 TOILET			50		9	450	
103A STORAGE			18		9	162	
139 SCUBA			91		8	728	
203 MECHANICAL			365		8	2920	
204 STORAGE			295		8	2360	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =			V_{EFF} x LFL x CF x F_{OCC} =		101.9	>	9.4 (M_{AV})
						COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIGIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.

ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT³)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT³)		
AHU-2	R-454B	A2L	9.4	22	18.5	0.5	1
SPACES SERVED			AREA (FT²)		CEILING HEIGHT (FT)	VOLUME (FT³)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT³)
125 DAYROOM			405		10	4050	11040
126 DINING			314		10	3140	
127 KITCHEN			250		10	2500	
128 PANTRY			50		9	450	
129 PANTRY			50		9	450	
130 PANTRY			50		9	450	
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =			V_{EFF} x LFL x CF x F_{OCC} =		102.2	>	9.4 (M_{AV})
						COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIGIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.

ASHRAE 15 COMPLIANCE

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT³)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT³)		
MSAC-1	R-454B	A2L	7.9	22	18.5	0.5	1
SPACES SERVED			AREA (FT²)		CEILING HEIGHT (FT)	VOLUME (FT³)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT³)
205 IT			384		8	3072	3072
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =			V_{EFF} x LFL x CF x F_{OCC} =		28.5	>	7.9 (M_{AV})
						COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT³)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT³)		
MSAC-2	R-454B	A2L	7.9	22	18.5	0.5	1
SPACES SERVED			AREA (FT²)		CEILING HEIGHT (FT)	VOLUME (FT³)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT³)
144 GEAR			275		8	2200	2200
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =			V_{EFF} x LFL x CF x F_{OCC} =		20.4	>	7.9 (M_{AV})
						COMPLIANCE:	**YES**

SYSTEM	REFRIGERANT					CONCENTRATION FACTOR (CF)	OCCUPANCY ADJUSTMENT FACTOR (F_{OCC})
	TYPE	CLASSIFICATION	CHARGE (LBS)	CONCENTRATION LIMIT (LBS/1000 FT³)	LOWER FLAMABILITY LIMIT (LFL) (LBS/1000 FT³)		
MSAC-3	R-454B	A2L	7.9	22	18.5	0.5	1
SPACES SERVED			AREA (FT²)		CEILING HEIGHT (FT)	VOLUME (FT³)	EFFECTIVE DISPERSAL VOLUME (V_{EFF}) (FT³)
145 DECON			134		8	1072	1072
EFFECTIVE DISPERSAL VOLUME CHARGE (EDVC) =			V_{EFF} x LFL x CF x F_{OCC} =		10	>	7.9 (M_{AV})
						COMPLIANCE:	**YES**

NOTES:
1. LARGEST REFRIGERANT CIRCUIT CHARGE IS SCHEDULED.
2. EFFECTIVE DISPERSAL VOLUME INCLUDES COMMUNICATING SPACES VIA DUCTWORK.
3. DUCTWORK VOLUME IS NEGLIGIBLE AND HAS NOT BEEN INCLUDED IN DISPERAL VOLUME.
4. 205 IT IS CONNECTED TO 204 STORAGE BY MEANS OF DUCTWORK TO INCREASE EFFECTIVE DISPERSAL VOLUME.

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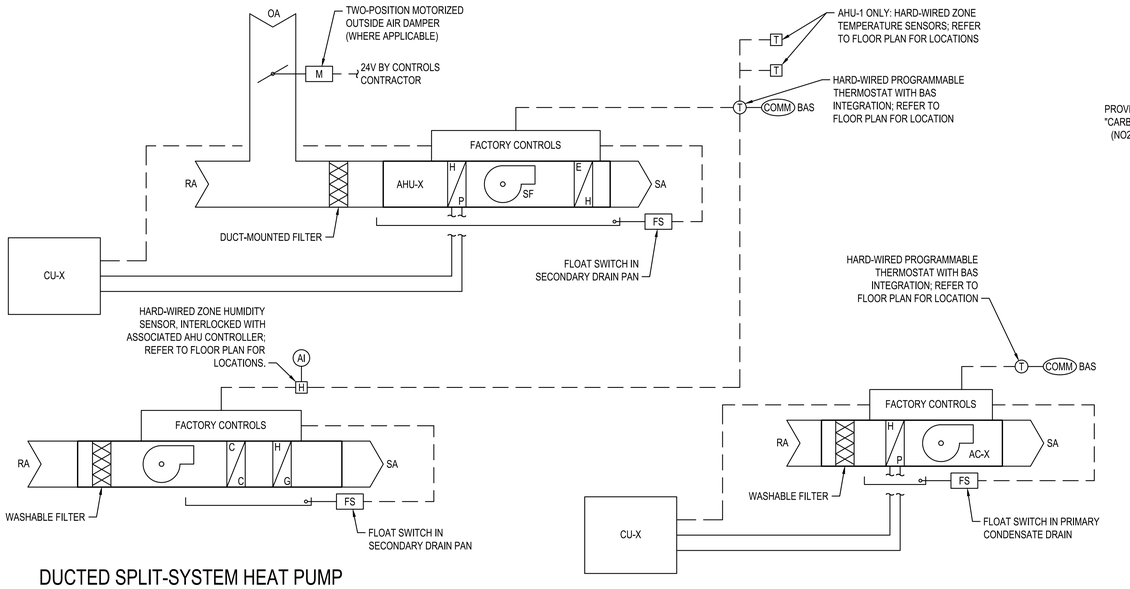
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Jason A. Matiacio 75489

JOB #:
DATE: 7/10/2026

M603
SCHEDULES

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1 DUCTED SPLIT-SYSTEM HEAT PUMP WITH SIDESTREAM DEHUMIDIFIER - CONTROL DIAGRAM

NOT TO SCALE

DUCTED SPLIT-SYSTEM HEAT PUMP - SEQUENCE OF OPERATION

GENERAL: THIS DUCTED SPLIT-SYSTEM HEAT PUMP CONSISTS OF ONE OUTDOOR CONDENSING UNIT AND ONE INDOOR AIR HANDLING UNIT TO PROVIDE ZONE TEMPERATURE CONTROL BASED ON A THERMOSTAT SETPOINT. AUXILIARY ELECTRIC HEAT IS PROVIDED FOR HEATING DURING LOW AMBIENT CONDITIONS.

PROVIDE ALL NECESSARY CONTROL WIRING, DEVICES, AND PROGRAMMING FOR A FULLY-FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE DESIGN INTENT AND EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

BAS: INTEGRATE THERMOSTAT WITH BUILDING AUTOMATION SYSTEM. COORDINATE WITH OWNER FOR STANDARD CONTROL POINTS, INCLUDING:
1. ZONE TEMPERATURE (°F)
2. ZONE TEMPERATURE SETPOINT (°F)
3. UNIT MODE (COOL / HEAT / AUTO / OFF)
4. UNIT STATUS (ON / OFF)
5. FAN CONTROL

FILTER STATUS: THE FAN RUN TIME (HRS) SHALL BE COMPARED TO THE FILTER MAINTENANCE TIMER SETPOINT. ONCE THE SETPOINT IS REACHED, A FILTER TIMER ALARM DIAGNOSTIC SHALL ANNUNCIATE AT THE BAS. WHEN THE DIAGNOSTIC IS CLEARED, THE FILTER MAINTENANCE TIMER IS RESET TO ZERO AND THE TIMER BEGINS ACCUMULATING FAN RUN TIME AGAIN.

OUTSIDE AIR DAMPER CONTROL: PROVIDE TWO-POSITION MOTORIZED DAMPER WITH 24V ACTUATOR IN OUTSIDE AIR DUCT FOR SPACE VENTILATION AND BUILDING PRESSURIZATION. INTERLOCK DAMPER WITH AIR HANDLING UNIT TO OPEN / CLOSE BASED ON FAN OPERATION.

ZONE TEMPERATURE SETPOINTS: COORDINATE TIME-OF-DAY SCHEDULE AND TEMPERATURE SETPOINTS WITH OWNER.

COOLING: 75°F (ADJUSTABLE)
HEATING: 70°F (ADJUSTABLE)

SAFETIES:
1. CONDENSATE OVERFLOW: PROVIDE OVERFLOW SWITCH IN SECONDARY DRAIN PAN TO SHUT DOWN UNIT UPON DETECTION OF MOISTURE.

DEHUMIDIFIER - SEQUENCE OF OPERATION

GENERAL: THIS DEHUMIDIFIER IS SPECIFIED FOR SYSTEMS WITH HIGH QUANTITIES OF OUTSIDE AIR AND HIGH LATENT LOADS. THE DEHUMIDIFIER PROVIDES ZONE HUMIDITY CONTROL AND SHALL CYCLE OPERATION BASED ON A HUMIDISTAT SETPOINT.

PROVIDE ALL NECESSARY CONTROL WIRING, DEVICES, AND PROGRAMMING FOR A FULLY-FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE DESIGN INTENT AND EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

BAS: INTEGRATE ZONE HUMIDITY SENSOR WITH BUILDING AUTOMATION SYSTEM. COORDINATE WITH OWNER FOR STANDARD CONTROL POINTS, INCLUDING:
1. ZONE HUMIDITY (% RH)
2. ZONE HUMIDITY SETPOINT (% RH)
3. UNIT STATUS (ON / OFF)

FILTER STATUS: THE FAN RUN TIME (HRS) SHALL BE COMPARED TO THE FILTER MAINTENANCE TIMER SETPOINT. ONCE THE SETPOINT IS REACHED, A FILTER TIMER ALARM DIAGNOSTIC SHALL ANNUNCIATE AT THE BAS. WHEN THE DIAGNOSTIC IS CLEARED, THE FILTER MAINTENANCE TIMER IS RESET TO ZERO AND THE TIMER BEGINS ACCUMULATING FAN RUN TIME AGAIN.

DEHUMIDIFIER CONTROL: DEHUMIDIFIER SHALL START / STOP BASED ON ZONE HUMIDITY SENSOR SETPOINT. PROVIDE INTERLOCK WITH ASSOCIATED SPLIT-SYSTEM AIR HANDLING UNIT (AHU) TO OPERATE AHU SUPPLY FAN WHEN DEHUMIDIFIER IS CALLED TO RUN.

ZONE TEMPERATURE SETPOINTS: COORDINATE TIME-OF-DAY SCHEDULE AND HUMIDITY SETPOINT WITH OWNER (55% RH, ADJUSTABLE).

SAFETIES:
1. CONDENSATE OVERFLOW: PROVIDE OVERFLOW SWITCH IN SECONDARY DRAIN PAN TO SHUT DOWN UNIT UPON DETECTION OF MOISTURE.

2 DUCTLESS SPLIT-SYSTEM ACU - CONTROL DIAGRAM

NOT TO SCALE

DUCTLESS SPLIT-SYSTEM ACU - SEQUENCE OF OPERATION

GENERAL: THIS DUCTLESS SPLIT-SYSTEM HEAT PUMP CONSISTS OF ONE OUTDOOR CONDENSING UNIT AND ONE INDOOR AIR HANDLING UNIT TO PROVIDE ZONE TEMPERATURE CONTROL BASED ON A THERMOSTAT SETPOINT.

PROVIDE ALL NECESSARY CONTROL WIRING, DEVICES, AND PROGRAMMING FOR A FULLY-FUNCTIONAL SYSTEM IN ACCORDANCE WITH THE DESIGN INTENT AND EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.

BAS: INTEGRATE THERMOSTAT WITH BUILDING AUTOMATION SYSTEM. COORDINATE WITH OWNER FOR STANDARD CONTROL POINTS, INCLUDING:
1. ZONE TEMPERATURE (°F)
2. ZONE TEMPERATURE SETPOINT (°F)
3. UNIT MODE (COOL / HEAT / AUTO / OFF)
4. UNIT STATUS (ON / OFF)
5. FAN CONTROL

ZONE TEMPERATURE SETPOINTS: COORDINATE TEMPERATURE SETPOINTS WITH OWNER.

COOLING: 75°F (ADJUSTABLE)
HEATING: 70°F (ADJUSTABLE)

SAFETIES:
1. CONDENSATE OVERFLOW: PROVIDE OVERFLOW SWITCH IN PRIMARY CONDENSATE DRAIN TO SHUT DOWN UNIT UPON DETECTION OF MOISTURE.

CONTROLS LEGEND

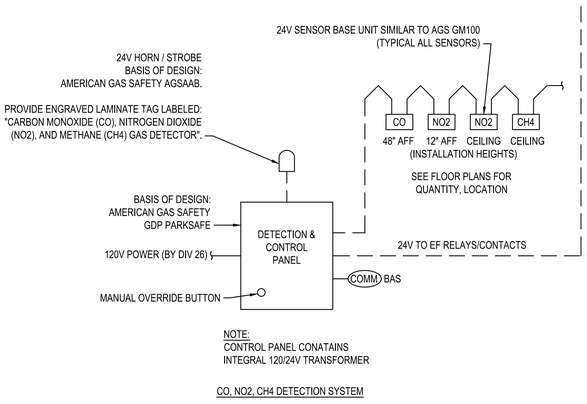
AI	ANALOG INPUT
AO	ANALOG OUTPUT
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
COMM	BAS COMMUNICATION LINK
	MOTOR STARTER
H	ZONE HUMIDITY SENSOR
T	ZONE TEMPERATURE SENSOR
H	HUMIDISTAT
T	THERMOSTAT
–	CONTROL DEVICE (SEE ABBREVIATIONS FOR TYPE)
M	MOTORIZED OPPOSED BLADE DAMPER
M	MOTORIZED PARALLEL BLADE DAMPER
M	MOTORIZED VOLUME CONTROL DAMPER

CONTROLS ABBREVIATIONS

ACU	AIR CONDITIONING UNIT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
AI	ANALOG INPUT
AO	ANALOG OUTPUT
BAS	BUILDING AUTOMATION SYSTEM
CFM	CUBIC FEET PER MINUTE
COMM	COMMUNICATION
CSR	CURRENT SENSING RELAY
CU	CONDENSING UNIT
DDC	DIRECT DIGITAL CONTROLS
DI	DIGITAL INPUT
DO	DIGITAL OUTPUT
EF	EXHAUST FAN
F/A	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FAIL CLOSED
FO	FAIL OPEN
FS	FLOAT SWITCH
HP	HEAT PUMP, HORSEPOWER
HS	HUMIDITY SENSOR
KW	KILOWATT
M	MOTORIZED ACTUATOR
MD	MOTORIZED DAMPER
NC	NORMALLY CLOSED
NTS	NOT TO SCALE
OA	OUTDOOR AIR
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
PPM	PARTS PER MILLION
PSI	POUNDS PER SQUARE INCH
RA	RETURN AIR
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SDP	SECONDARY DRAIN PAN
SF	SUPPLY FAN
SP	STATIC PRESSURE
T	TEMPERATURE
TYP	TYPICAL

GENERAL NOTES

1. COORDINATE CONTROLS WORK WITH TRANE. ESCAMBIA COUNTY HAS AN EXISTING TRANE TRACER BUILDING AUTOMATION SYSTEM. MATCH EXISTING POINT NAMING, DYNAMIC GRAPHICS, SCHEDULING, AND ALARMS. TRANE SHALL PROVIDE ALL INSTALLATION AND PROGRAMMING FOR CONTROL SYSTEMS, SENSORS, AND DEVICES ASSOCIATED WITH THIS WORK UNDER A SEPARATE CONTRACT WITH ESCAMBIA COUNTY. CONTACT JACKIE WEIS AT (850) 324-4480 OR JACLYN.WEIS@TRANE.COM FOR COORDINATION.



3 APPARATUS BAY VENTILATION CONTROL DIAGRAM

NOT TO SCALE

APPARATUS BAY VENTILATION SEQUENCE OF OPERATION

GENERAL: ALL VENTILATION FANS SHALL OPERATE CONTINUOUSLY BASED ON AUTOMATIC GAS DETECTION OR MANUAL OVERRIDE. OUTSIDE AIR LOUVERS INCLUDE TWO-POSITION MOTORIZED DAMPERS TO PROVIDE MAKEUP AIR FOR VENTILATION FANS.

CO, NO2, CH4 DETECTION: PROVIDE CARBON MONOXIDE, NITROGEN DIOXIDE, AND METHANE GAS DETECTION SYSTEM FOR APPARATUS BAY 138. UPON DETECTION OF GAS CONCENTRATIONS ABOVE 25 PPM CO (ADJ), 0.7 PPM NO2 (ADJ), ACTIVATE EXHAUST FANS. UPON A FALL OF GAS CONCENTRATIONS BELOW PRE-ALARM LEVELS, FANS SHALL DEACTIVATE. PROVIDE MINIMUM 2 MINUTE RUNTIME OF FANS TO PREVENT EXCESSIVE CYCLING.
UPON DETECTION OF GAS CONCENTRATIONS ABOVE 35 PPM CO (ADJ), 2 PPM NO2 (ADJ), OR 10% LEL CH4 (ADJ), PROVIDE AUDIBLE / VISIBLE ALARMS EVERY 15 SECONDS (ADJ) AND ACTIVATE EXHAUST FANS. UPON A FALL OF GAS CONCENTRATIONS BELOW ALARM LEVELS, FANS SHALL REMAIN ON AND REQUIRE MANUAL RESET TO DEACTIVATE.

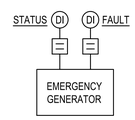
SYSTEM RESTART: SYSTEM SHALL BE RESTARTED BY MANUALLY RESETTING THE CONTROLLER.

ISOLATION DAMPER CONTROL: OPEN OUTSIDE AIR AND EXHAUST AIR DAMPERS UPON EXHAUST FAN START. CLOSE OUTSIDE AIR AND EXHAUST AIR DAMPERS UPON EXHAUST FAN STOP. PROVIDE TIME DELAY FOR EXHAUST FAN START / STOP AS REQUIRED TO PREVENT FAN OPERATION WHILE OUTSIDE AIR DAMPERS ARE CLOSED.

INDICATION:
CO CONCENTRATION (PPM).
NO2 CONCENTRATION (PPM),
CH4 CONCENTRATION (% LEL)
EF-10 STATUS (ON / OFF)
EF-11 STATUS (ON / OFF)
EF-12 STATUS (ON / OFF)
EF-13 STATUS (ON / OFF)
OAL-1 DAMPER STATUS (OPEN / CLOSED)
OAL-2 DAMPER STATUS (OPEN / CLOSED)
OAL-3 DAMPER STATUS (OPEN / CLOSED)
OAL-4 DAMPER STATUS (OPEN / CLOSED)

ALARMS:
PRE-ALARM (LOWER LIMIT):
1. CO (20 PPM)
2. NO2 (0.7 PPM)
3. CH4 / METHANE (8% LEL)

ALARM (UPPER LIMIT):
1. CO (35 PPM).
2. NO2 (2 PPM)
3. CH4 / METHANE (10% LEL).

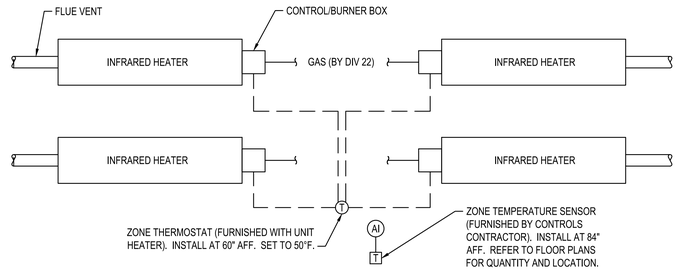


4 EMERGENCY GENERATOR MONITORING

NOT TO SCALE

GENERAL: COORDINATE WITH ELECTRICAL CONTRACTOR FOR MONITORING OF EMERGENCY GENERATOR.

BAS: PROVIDE GRAPHIC AND INDICATE THE FOLLOWING AT A MINIMUM:
1. GENERATOR STATUS (ON / OFF).
2. GENERATOR FAULT (NORMAL / ALARM).
3. SEND BAS NOTIFICATION WHEN GENERATOR STARTS.
4. SEND BAS NOTIFICATION WHEN GENERATOR RETURNS TO NORMAL / OFF.



6 GAS INFRARED HEATER - CONTROL DIAGRAM

NOT TO SCALE

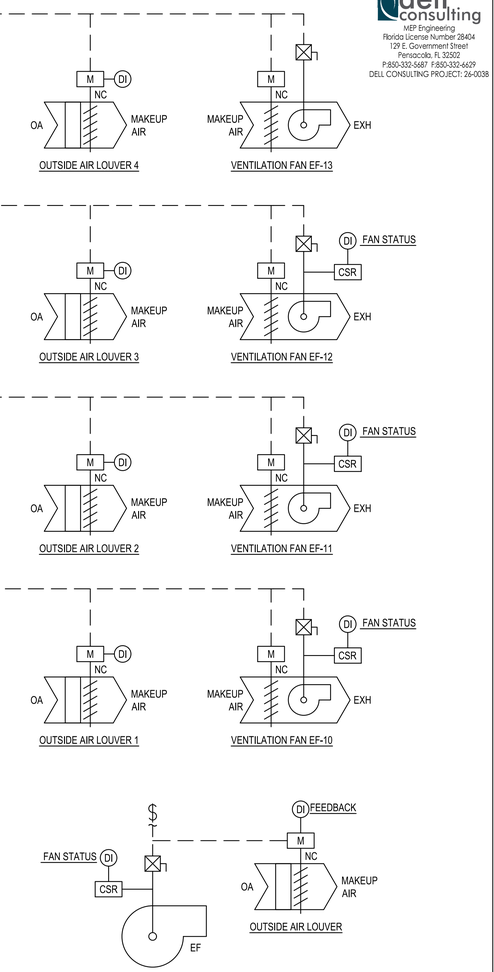
GAS INFRARED UNIT HEATER - SEQUENCE OF OPERATION

GENERAL: INFRARED HEATER INCLUDES STANDALONE CONTROLS AND OPERATES TO MAINTAIN THERMOSTAT SETPOINT.

BAS: PROVIDE SEPARATE ZONE TEMPERATURE SENSOR TO MONITOR SYSTEM OPERATION.

INDICATION: ZONE TEMPERATURE (°F).

ALARMS: LOW ZONE TEMPERATURE (44°F, ADJUSTABLE).



5 EF-1 CONTROL DIAGRAM

NOT TO SCALE

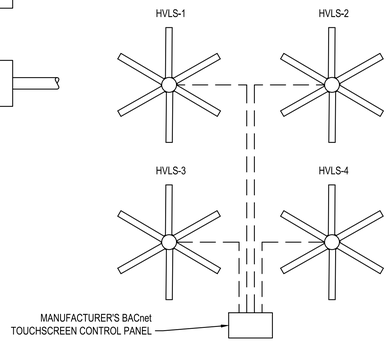
EF-1 SEQUENCE OF OPERATION

GENERAL: FAN AND OUTSIDE ARE DAMPER SERVE COOKING HOOD AND ARE CONTROLLED BY A MANUAL SWITCH.

ISOLATION DAMPER CONTROL: OPEN OUTSIDE AIR DAMPER UPON EXHAUST FAN / HOOD START. CLOSE OUTSIDE AIR DAMPER UPON EXHAUST FAN / HOOD STOP.

INDICATION:
FAN STATUS (ON / OFF).
DAMPER STATUS (OPEN / CLOSED).

ALARMS:
FAN COMMAND DOES NOT MATCH STATUS.
DAMPER COMMAND DOES NOT MATCH STATUS.



7 HVLS FAN - CONTROL DIAGRAM

NOT TO SCALE

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY JASON A. MATIACIO ON JULY 10, 2026.

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Jason A. Matiacio 75489

JOB #:
DATE: 7/10/2026

M701

CONTROLS

ELECTRICAL LEGEND

GENERAL ELECTRICAL DEVICES:

- $ SINGLE POLE LIGHTING SWITCH. MOUNT 48" TO TOP OF BOX UNLESS NOTED OTHERWISE. SUBSCRIPT INDICATES AS FOLLOWS:
  3 - THREE-WAY LIGHTING SWITCH.
  4 - FOUR-WAY LIGHTING SWITCH.
  M - MANUAL MOTOR STARTER. MOUNT AT EQUIPMENT. PROVIDE PHENOLIC LABEL.
  a,b - LETTER INDICATES ZONE OF CONTROL.
  DT - DIGITAL TIME SWITCH WITH AUDIBLE & "FLASH LIGHTING" ALERTS.
  AD - 3-BUTTON SWITCH FOR MOTORIZED FOLDING DOORS. COORDINATE ALL REQUIREMENTS FOR SWITCHES WITH THE MANUFACTURER PRIOR TO ROUGH-IN. LOCATIONS, AND OPERATION OF THE SWITCHES SHALL BE COORDINATED WITH OWNER PRIOR TO ROUGH-IN.
  LV4 - WALL MOUNTED LOW VOLTAGE DIMMING SWITCH. PROVIDE sPODMRA.
- DUPLEX RECEPTACLE NEMA 5-20R. MOUNT 18" AFF UNLESS NOTED OTHERWISE. VERIFY DUPLEX MOUNTING REQUIREMENTS WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN. SUBSCRIPT INDICATES AS FOLLOWS:
  G - GROUND FAULT CIRCUIT INTERRUPTER TYPE.
  WP - GFI DEVICE WITH DIECAST WEATHERPROOF BACKBOX & CLEAR WEATHERPROOF (IN-USE) COVERPLATE. IN EXTERIOR LOCATIONS MOUNT 30" AFG. WEATHERPROOF OUTLET BOX HOODS ARE TO BE LISTED AND IDENTIFIED AS "EXTRA DUTY."
  EWC - CONCEAL RECEPTACLE BEHIND EWC (COORDINATE WITH DIVISION 22).
  SPR - SURGE PROTECTION RECEPTACLE.
  D - SHALL BE ON DEDICATED CIRCUIT.
  TV - COORDINATE RECEPTACLE LOCATION WITH A/V OUTLET.
  84" - MOUNTING HEIGHT OF DEVICE AFF.
  DDC - DIRECT DIGITAL CONTROL PANEL. COORDINATE EXACT LOCATION WITH DIV 23 PRIOR TO ROUGH-IN.
  R - RADIANT TUBE HEATER. COORDINATE LOCATION OF REC WITH EQUIPMENT PRIOR TO ROUGH-IN.
- DUPLEX RECEPTACLE MOUNTED 42" AFF. OR MOUNT 7" ABOVE COUNTER. VERIFY COUNTER HEIGHT PRIOR TO ROUGH-IN. ORIENT WITH LONG AXIS HORIZONTAL ABOVE COUNTERS.
- SPECIAL NEMA TYPE RECEPTACLE. VERIFY WITH EQUIPMENT BEING SUPPLIED. MOUNTED 10" AFF, UNLESS NOTED OTHERWISE.
- QUADRAPLEX RECEPTACLE (TWO NEMA 5-20R) MOUNTED 18" AFF. UNLESS NOTED OTHERWISE.
- GENERATOR E-STOP PUSH BUTTON. SEE DETAIL.

LIGHTING CONTROL EQUIPMENT:

- PROGRAMMABLE LIGHTING CONTROL PANEL. SEE DETAIL.
- PEC PHOTOELECTRIC CELL. SEE LIGHTING CONTROL DIAGRAM AND CONNECT AS REQUIRED.
- RD REMOTE PROGRAMMABLE LIGHTNING CONTROL RELAY WITH 0-10V DIMMING. SENSOR SWITCH nPP 16D OR EQUAL.
- RP LIGHTING RELAY CONTROL PANEL. SEE LOW VOLTAGE LIGHTING CONTROL RISER DIAGRAM FOR RELAY QTY. SENSOR SWITCH ARP INTENCXX OR EQUAL.
- nOS PROGRAMMABLE LIGHTING CONTROL SYSTEM OCCUPANCY SENSOR. SENSOR SWITCH nCM PDT 10 OR EQUAL.
- LC LIGHTING CONTACTOR. SEE DETAIL.
- $LV WALL MOUNTED LOW VOLTAGE LIGHT SWITCH. MOUNT 48" AFF TO TOP OF BOX UNLESS NOTED OTHERWISE.

OCCUPANCY SENSORS:

- D WALL MOUNTED LINE VOLTAGE DUAL TECHNOLOGY SWITCH WITH SINGLE RELAY. MOUNT 48" TO TOP OF BOX UNLESS NOTED OTHERWISE. SWITCH SHALL BE PROGRAMMED FOR MANUAL ON / AUTO OFF.

DISTRIBUTION & POWER EQUIPMENT:

- PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.
- DISTRIBUTION PANELBOARD. MOUNT AS INDICATED. SEE PANELBOARD SCHEDULES.
- NEC 110.26(A) WORKING CLEARANCE.
- AUTOMATIC TRANSFER SWITCH.

SITE EQUIPMENT:

- HANDHOLE. SEE DETAIL.

LIGHTING FIXTURES:

SEE LIGHTING FIXTURE SCHEDULE FOR SYMBOLS AND DESCRIPTIONS.

MISCELLANEOUS EQUIPMENT:

- GA EMERGENCY GENERATOR REMOTE ANNUNCIATOR. FLUSH MOUNTED AT 5'0" AFF.
- E ELECTRICAL CONNECTION TO EQUIPMENT. VERIFY LOCATION WITH EQUIPMENT PROVIDER.
  EF - EXHAUST FAN.
  AD - MOTORIZED FOLDING BAY DOOR. COORDINATE REQUIREMENTS WITH MANUFACTURER SHOP DRAWINGS PRIOR TO ROUGH-IN. PROVIDE ALL MATERIALS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
  FDD - FAN POWERED HEPA FILTER DIFFUSER.
  KEH - KITCHEN EXHAUST HOOD.
  GIH - INFRARED RADIANT HEATER.
  OHD - MOTORIZED ROLLING BAY DOOR.
- S ROUGH-IN FOR CEILING SPEAKER BY OTHERS.
- C HEAVY DUTY INDUSTRIAL GRADE CORD REEL WITH OUTLET(S) AS INDICATED. SUPPORT FROM STRUCTURE.
- WB RECESSED WALL ENCLOSURE MOUNTED BEHIND TV. BASIS OF DESIGN: CHIEF PAC526FCW. COORDINATE MOUNTING LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.
- ACP ACCESS CONTROL PANEL.

FIRE ALARM SYSTEM:

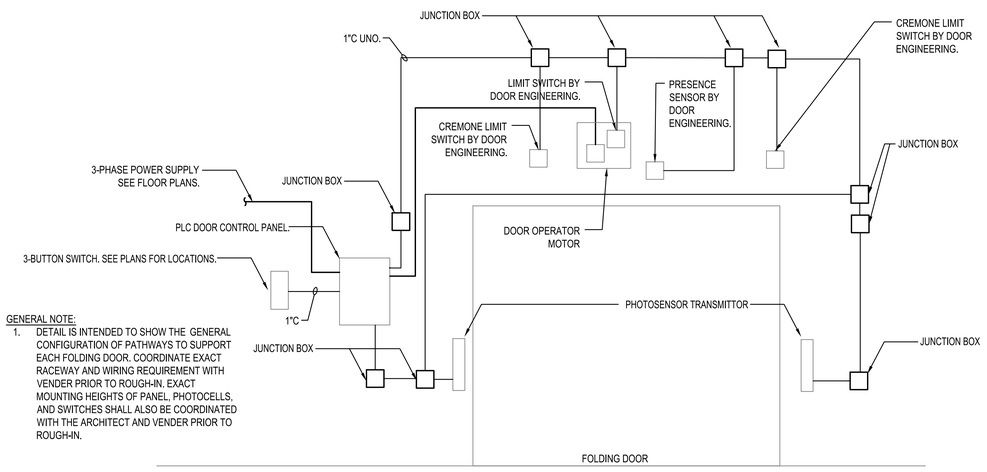
- F FIRE ALARM SYSTEM ADDRESSABLE SINGLE ACTION MANUAL PULL STATION. MOUNT 48" TO TOP OF DEVICE. PROVIDE WITH CLEAR AUDIBLE PROTECTIVE SHIELD.
- F 110 cd FIRE ALARM SYSTEM AUDIO-VISUAL ALARM (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WG" INDICATES PROVIDE A WIRE GUARD OVER DEVICE.
- F 110 cd FIRE ALARM SYSTEM VISUAL ONLY APPLIANCE (CANDELA AS INDICATED ON SUBSCRIPT). MOUNT 80" AFF TO BOTTOM OF LENS OR 6" FROM THE CEILING, WHICHEVER IS LOWER. ALL STROBES SHALL BE SYNCHRONIZED. SUBSCRIPT "WP" INDICATES WEATHERPROOF DEVICE.
- H FIRE ALARM SYSTEM ADDRESSABLE HEAT DETECTOR. CEILING MOUNT. SUBSCRIPT 190° INDICATES TO PROVIDE 190° DEVICE WITH MONITOR MODULE.
- S FIRE ALARM SYSTEM ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR. CEILING MOUNT.
- CO FIRE ALARM SYSTEM ADDRESSABLE CARBON MONOXIDE DETECTOR. CEILING MOUNT.
- FACP MULTIPLEXED ADDRESSABLE FIRE ALARM CONTROL PANEL. BATTERY SUPPLIES TO BE MOUNTED WITH FACP. REMOTE BOOSTER TYPE BATTERY POWER SUPPLIES WILL NOT BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS. FIELD VERIFY EXACT MOUNTING LOCATION.
- FS ADDRESSABLE MONITOR MODULE CONNECTED TO FLOW SWITCH.
- TS ADDRESSABLE MONITOR MODULE CONNECTED TO TAMPER SWITCH.
- MM ADDRESSABLE MONITOR MODULE.

OTHER:

- CIRCUIT RUN CONCEALED ABOVE CEILING OR IN WALL.
- CIRCUIT RUN CONCEALED IN OR BELOW FLOOR SLAB OR UNDERGROUND.
- 2P2-9 HOMERUN TO PANELBOARD. ANY CIRCUIT WITHOUT FURTHER DESIGNATION SHALL BE 2#12,#12G,1/2"C. TICK MARKS INDICATE # OF CONDUCTORS (EGC NOT SHOWN). MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 50 FEET SHALL BE #10 AWG. MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 100 FEET SHALL BE #8 AWG. MINIMUM SIZE ON 120V HOMERUNS GREATER THAN 160 FEET SHALL BE #6 AWG. MINIMUM SIZE ON 277V HOMERUNS GREATER THAN 100 FEET SHALL BE #10 AWG. INCREASE CONDUIT SIZE AS REQUIRED PER NEC. UNDERLINED TEXT INDICATES CIRCUIT DESIGNATION.
- AHU 1 MECHANICAL EQUIPMENT IDENTIFICATION TAG. SEE MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE.
- F2L LIGHT FIXTURE IDENTIFICATION TAG. SEE LIGHT FIXTURE SCHEDULE FOR SYMBOLS & DETAILS.
- 1 SHEET NOTE TAG.
- 4LP1 PANELBOARD, SWITCHBOARD, TRANSFORMER & ELECTRICAL EQUIPMENT IDENTIFICATION TAG.
- NAME 100 ROOM NUMBER TAG.
- LEADERS.

ABBREVIATIONS

A	AMPS	MCA	MINIMUM CIRCUIT AMPACITY
AC	ABOVE COUNTER	MCC	MOTOR CONTROL CENTER
AD	AUTOMATIC FOLDING DOOR	MCE	MAIN COMMUNICATIONS EQUIPMENT ROOM
AF	AMP FRAME	MCM	THOUSAND CIRCULAR MILS
AFF	ABOVE FINISHED FLOOR	MH	MANHOLE
AFG	ABOVE FINISHED GRADE	MIN	MINIMUM
AHU	AIR HANDLING UNIT	MISC	MISCELLANEOUS
AL	ALUMINUM	MLO	MAIN LUGS ONLY
ARCH	ARCHITECT OR ARCHITECTURAL	MNT	MOUNTING HEIGHT
AT	AMP TRIP	MTG	MOUNTING
ATS	AUTOMATIC TRANSFER SWITCH	MTS	MANUAL TRANSFER SWITCH
ATU	AIR TERMINAL UNIT	MV	MEDIUM VOLTAGE
AWG	AMERICAN WIRE GAUGE	N1	NEMA 1
BAS	BUILDING AUTOMATION SYSTEM	N3R	NEMA 3R
BFG	BELOW FINISHED GRADE	N/A	NOT APPLICABLE
BJ	BONDING JUMPER	NA	NOT APPLICABLE
BKR	CIRCUIT BREAKER	NEC	NATIONAL ELECTRICAL CODE
BLDG	BUILDING	NESC	NATIONAL ELECTRICAL SAFETY CODE
BOD	BASIS OF DESIGN	NEU	NEUTRAL
C	CONDUIT	OCPD	OVERCURRENT PROTECTION DEVICE
C/B	CIRCUIT BREAKER	OFOI	OWNER FURNISHED OWNER INSTALLED
CL	CURRENT LIMITING	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
C/L	CENTERLINE	OH	OVERHEAD
CLG	CEILING	OHE	OVERHEAD ELECTRIC
CKT	CIRCUIT	OHP	OVERHEAD PRIMARY
CT	CURRENT TRANSFORMER	OHS	OVERHEAD SECONDARY
CU	COPPER	PBD	PANELBOARD
DDC	DIRECT DIGITAL CONTROL	PF	POWER FACTOR
DEMO	DEMOLISH	PNL	PANELBOARD
DM	EXISTING TO BE DEMOLISHED	PT	POTENTIAL TRANSFORMER
EC	ELECTRICAL CONTRACTOR	PWR	POWER
EGC	EQUIPMENT GROUNDING CONDUCTOR	REC	RECEPTACLE
ELEC	ELECTRICAL	REQD	REQUIRED
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR	RM	ROOM
EF	EXHAUST FAN	RGS	RIGID GALVANIZED STEEL CONDUIT
EX	EXISTING TO REMAIN	RNC	RIGID NON-METALLIC CONDUIT
EXT	EXTERIOR	RVSS	REDUCED VOLTAGE SOLID STATE
EWC	ELECTRIC WATER COOLER	SA	SURGE ARRESTER
EMT	ELECTRICAL METALLIC TUBING	SCA	SHORT CIRCUIT AMPS
EQUIP	EQUIPMENT	SF	SUPPLY FAN
FMC	FLEXIBLE METAL CONDUIT	SPEC	SPECIFICATION
FACP	FIRE ALARM SYSTEM CONTROL PANEL	SWBD	SWITCHBOARD
FU	FUSE	SWGR	SWITCHGEAR
F/A	FIRE ALARM	TBB	TELECOMMUNICATIONS BONDING BACKBONE
FLA	FULL LOAD AMPS	TR	TELECOMMUNICATIONS ROOM
FLR	FLOOR	TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
FVNR	FULL VOLTAGE NON-REVERSING	TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
GFI	GROUND FAULT INTERRUPTER	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
G	GROUND (OR GFI FOR RECEPTACLE SUBSCRIPT)	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UFR	UNDERFLOOR RACEWAY
GND	GROUND	UG	UNDERGROUND
GEC	GROUNDING ELECTRODE CONDUCTOR	UGE	UNDERGROUND ELECTRIC
HH	HANDHOLE	UGP	UNDERGROUND PRIMARY
HOA	HAND-OFF-AUTOMATIC	UGS	UNDERGROUND SECONDARY
HP	HEAT PUMP OR HORSEPOWER	UL	UNDERWRITERS' LABORATORIES
HVAC	HEATING, VENTILATION & AIR-CONDITIONING	UNO	UNLESS NOTED OTHERWISE
IG	ISOLATED GROUND	UPS	UNINTERRUPTIBLE POWER SUPPLY
IMC	INTERMEDIATE METAL CONDUIT	V	VOLT
JB	JUNCTION BOX	VA	VOLT-AMPERES
k	KILO	VAR	VOLT-AMPERES REACTIVE
kAIC	KILO-AMPERE INTERRUPTING CAPABILITY	VAV	VARIABLE AIR VOLUME UNIT
kCMIL	THOUSAND CIRCULAR MILS	W	WATTS
LCP	LIGHTING CONTROL PANEL	WAO	WORK AREA OUTLET
LTG	LIGHTING	WP	WEATHERPROOF
LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT	WSR	WITHSTAND RATING
LV	LOW VOLTAGE	XFMR	TRANSFORMER
MAX	MAXIMUM	XP	EXPLOSION PROOF
		ϕ	PHASE
		72°	DEGREES
		Δ	DELTA
		Ω	OHMS

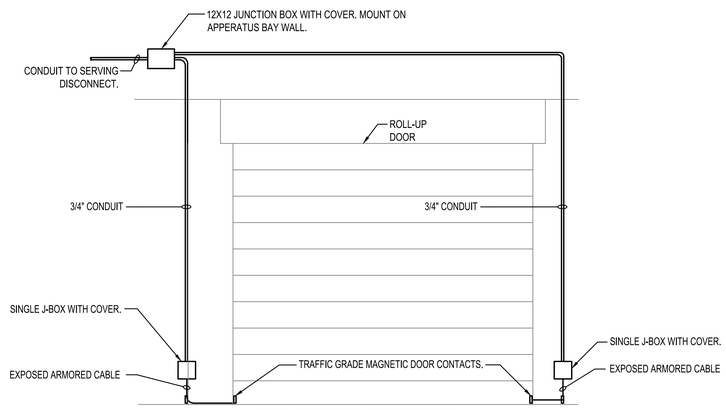


GENERAL NOTE:

1. DETAIL IS INTENDED TO SHOW THE GENERAL CONFIGURATION OF PATHWAYS TO SUPPORT EACH FOLDING DOOR. COORDINATE EXACT RACEWAY AND WIRING REQUIREMENT WITH VENDER PRIOR TO ROUGH-IN. EXACT MOUNTING HEIGHTS OF PANEL, PHOTOCELLS, AND SWITCHES SHALL ALSO BE COORDINATED WITH THE ARCHITECT AND VENDER PRIOR TO ROUGH-IN.

1 APPERATUS BAY FOLDING DOOR (TYPICAL)

NOT TO SCALE



NOTE: ALL CONDUIT AND CABLING IS CONCEALED.
HARDWARE SET #31

2 ROLL UP DOOR W/ CONTACT (TYPICAL)

NOT TO SCALE

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ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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JOB #:
DATE: 7/10/2026

E001

LEGEND, NOTES, & ABBREVIATIONS

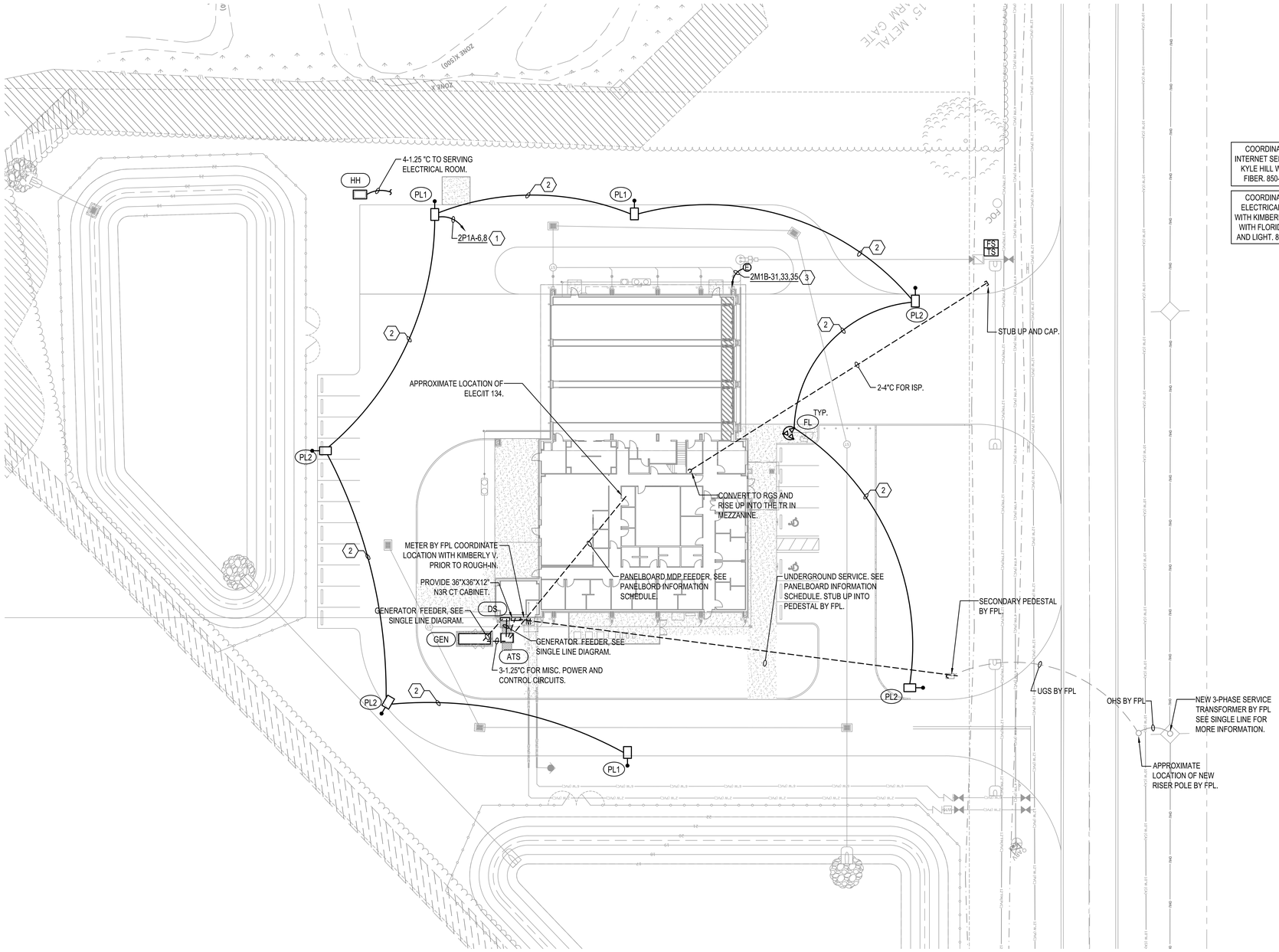
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SHEET NOTES

1. ROUTE TO PANEL VIA LIGHTING RELAY PANEL RP AND SITE HANDHOLE. SEE DETAILS.
2. CIRCUIT 2#8, #8G, 1.25"C
3. CIRCUIT TO LIFT STATION CONTROL PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH CIVIL PRIOR TO ROUGH-IN. CIRCUIT 3#12, #12G, 1/2"C.



COORDINATE NEW INTERNET SERVICE WITH KYLE HILL WITH UNITI FIBER. 850-544-1400

COORDINATE NEW ELECTRICALSERVICE WITH KIMBERLY VISSEPO WITH FLORIDA POWER AND LIGHT. 850-429-2651

N

1 SITE PLAN

20' 0' 20' 40'

SCALE: 1"=20'-0"

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E-010

SITE PLAN

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SHEET NOTES

1. CIRCUIT TO EXHAUST FAN SEE SHEET E-121
2. ROUTE TO SERVING PANEL VIA LIGHTING CONTROL RELAY PANEL. SEE DETAIL.
3. CIRCUIT TO BUILDING SIGNAGE COORDINATE EXACT LOCATION WITH ARCH PRIOR TO CONNECTING.
4. HUNTER CEILING FAN, KENNICOTT 44" MATTE BRONZE OUTDOOR CEILING FAN.
5. HUNTER CEILING FAN, PRESTO 52" SILVER INDOOR CEILING FAN.
6. SWITCH SHALL CONTROL PATIO LIGHTS.

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MECHANICAL 203
EQUIP STORAGE 123
SPRINKLER 110
LAUNDRY 122
DORM ROOM 121
DORM ROOM 119
DORM ROOM 118
DORM ROOM 116
DORM ROOM 114
DORM ROOM 112
PATIO 124
KITCHEN 127
DINING 126
DAYROOM 125
PANTRY 128
PANTRY 129
PANTRY 130
CORRIDOR 120
CORRIDOR 131
STORAGE 132
JANITOR 133
ELEC/T 134
TOILET 117
TOILET 115
ADA TOILET 113
ADA TOILET 111
LCP
RP
2P1A
WELLNESS 135
OFFICE 105
OFFICE 137
CORRIDOR 106
STORAGE 103A
TOILET 103
DORM ROOM 109
DORM ROOM 108
OFFICER 107
OFFICER 104
LOBBY 101
WATCH/OFFICE 102
DECON 145
GEAR 144
ICE 143
ADA TOILET 142
WORKSHOP 141
STAIR 140
STORAGE 136A
CORRIDOR 136
SCBA 139
APPARATUS BAY 138
TRAINING 202
STAIR 201
STORAGE 204
EXTEND UNSWITCHED HOT CIRCUIT TO FAN.
XEB UNO.
VL UNO
LD27 TYP
TYP
SC

1 MEZZANINE PLAN - LIGHTING
SCALE: 1/4"=1'-0"

2 FIRST FLOOR PLAN - LIGHTING
SCALE: 3/16"=1'-0"

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FLOOR PLANS – LIGHTING

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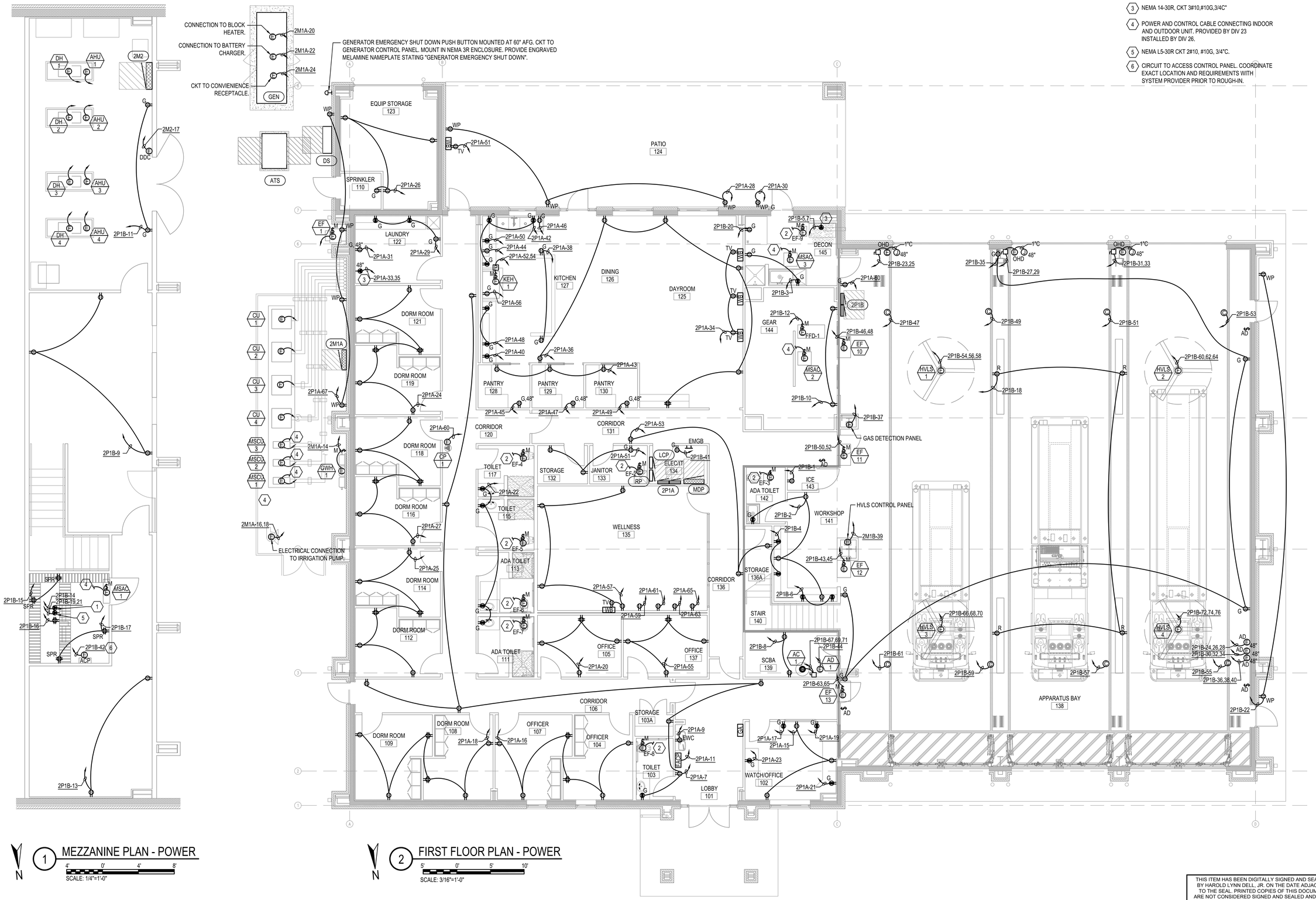
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ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
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SHEET NOTES

1. NEMA L6-30R CKT 2#10, #10G, 3/4"C
2. CIRCUIT TO LIGHTING CIRCUIT SERVING SPACE.
3. NEMA 14-30R, CKT 3#10,#10G,3/4C"
4. POWER AND CONTROL CABLE CONNECTING INDOOR AND OUTDOOR UNIT. PROVIDED BY DIV 23 INSTALLED BY DIV 26.
5. NEMA L5-30R CKT 2#10, #10G, 3/4"C.
6. CIRCUIT TO ACCESS CONTROL PANEL. COORDINATE EXACT LOCATION AND REQUIREMENTS WITH SYSTEM PROVIDER PRIOR TO ROUGH-IN.

CONNECTION TO BLOCK HEATER.
CONNECTION TO BATTERY CHARGER.
CKT TO CONVIENIENCE RECEPTACLE.
GENERATOR EMERGENCY SHUT DOWN PUSH BUTTON MOUNTED AT 60" AFG. CKT TO GENERATOR CONTROL PANEL. MOUNT IN NEMA 3R ENCLOSURE. PROVIDE ENGRAVED MELAMINE NAMEPLATE STATING "GENERATOR EMERGENCY SHUT DOWN".
ELECTRICAL CONNECTION TO IRRIGATION PUMP.



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

2 FIRST FLOOR PLAN - POWER
SCALE: 3/16"=1'-0"

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E111
FLOOR PLANS – POWER

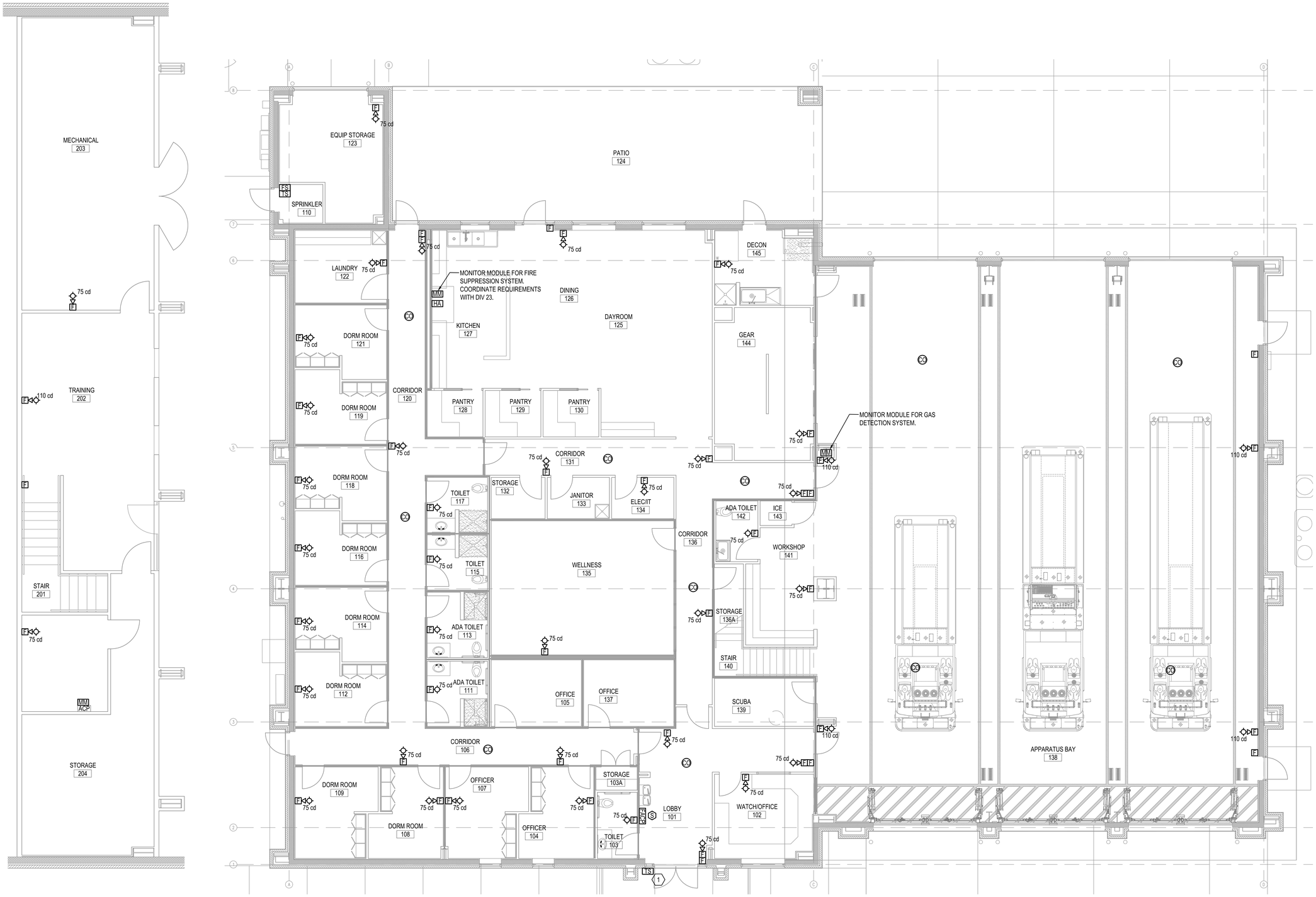
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SHEET NOTES

1. COORDINATE EXACT LOCATION WITH KNOX BOX.

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1 MEZZANINE PLAN - FIRE ALARM & SYSTEMS

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

2 FIRST FLOOR PLAN - FIRE ALARM & SYSTEMS

SCALE: 3/16"=1'-0"

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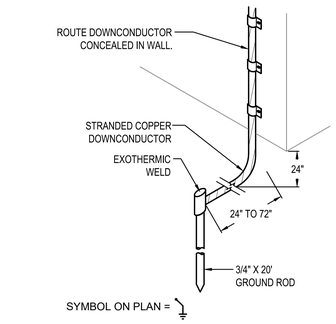
E121

FLOOR PLANS – FIRE ALARM

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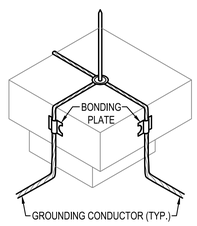


1 GROUNDING ARRANGEMENT

NOT TO SCALE

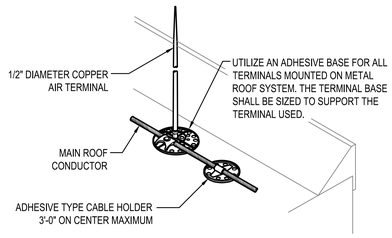
LIGHTNING PROTECTION LEGEND

- AIR TERMINAL
- BONDING CONDUCTOR
- CABLE DROP
- GROUND ROD



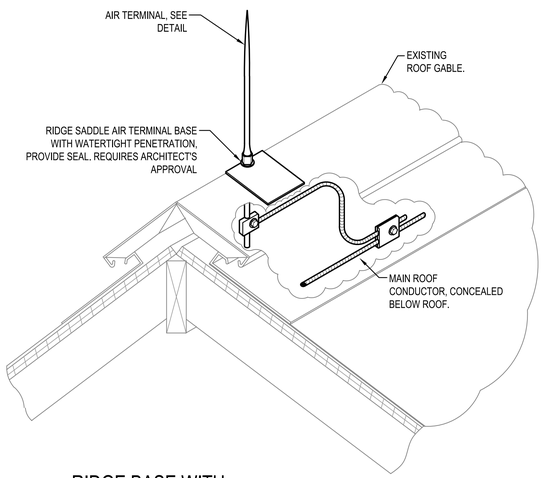
2 FAN BONDING DETAIL

NOT TO SCALE



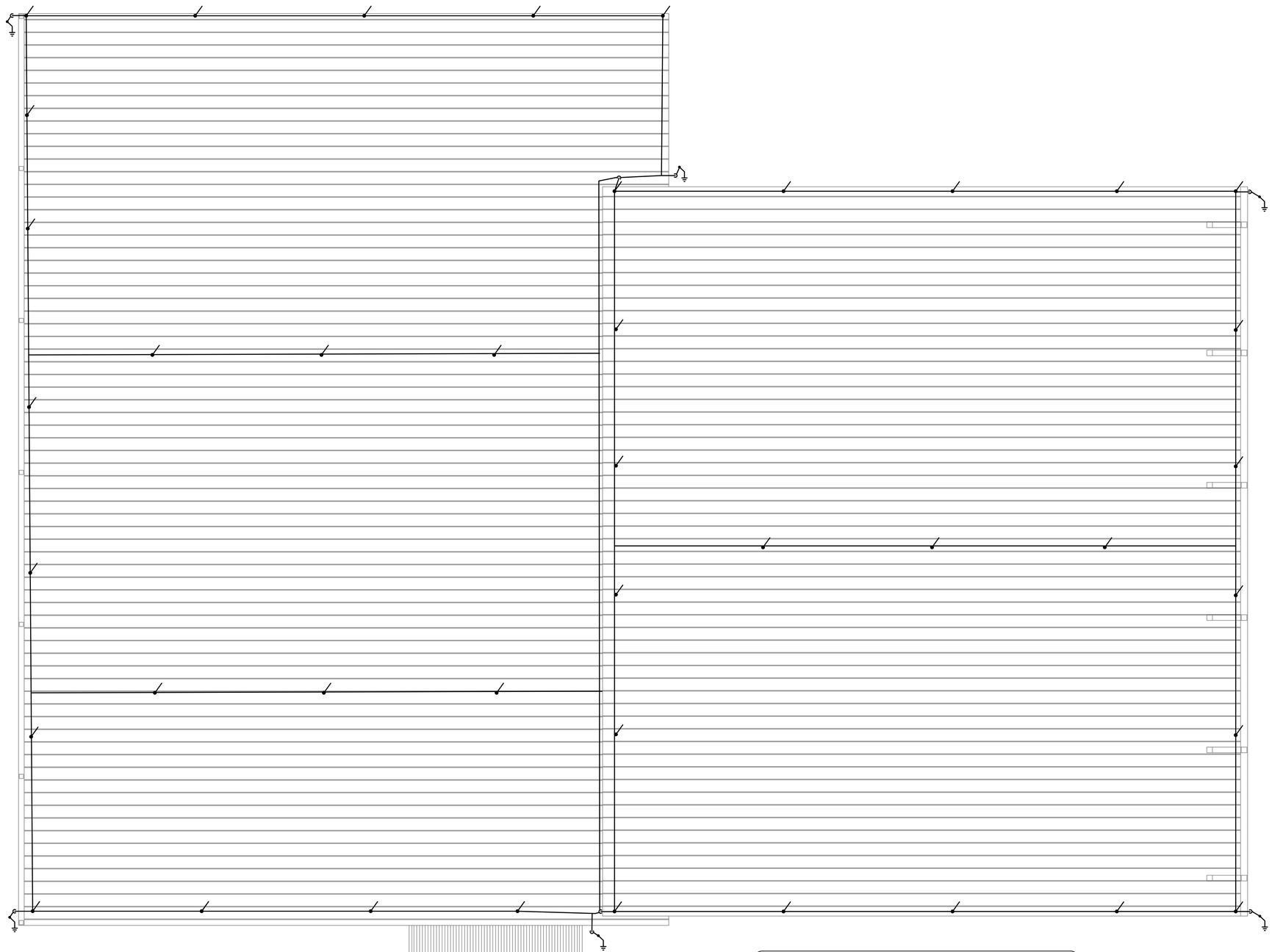
3 ADHESIVE AIR TERMINAL BASE DETAIL

NOT TO SCALE



4 RIDGE BASE WITH CONCEALED CONDUCTOR DETAIL

NOT TO SCALE



N

5 ROOF PLAN - LIGHTNING PROTECTION

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

GENERAL LIGHTNING PROTECTION NOTE

CONTRACTOR SHALL PROVIDE A CLASS 1 LIGHTNING PROTECTION SYSTEM IN COMPLIANCE WITH NFPA 780. SYSTEM SHALL BE PROVIDED WITH A MASTER LABEL ATTACHED TO THE BUILDING AND SHALL BE IN COMPLIANCE WITH UNDERWRITERS LABORATORIES, INC. MASTER LABEL SERVICE, UL96A. SEE SPECIFICATIONS FOR A COMPLETE DESCRIPTION. COORDINATE LAYOUT WITH ARCHITECTURAL PLANS. PROVIDE REQUIRED CONNECTIONS TO ROOF MOUNTED EQUIPMENT SUCH AS EXHAUST FANS, VENT-THRU-ROOF PIPES, ETC NOT SHOWN HERE, SEE MECHANICAL & PLUMBING PLANS.

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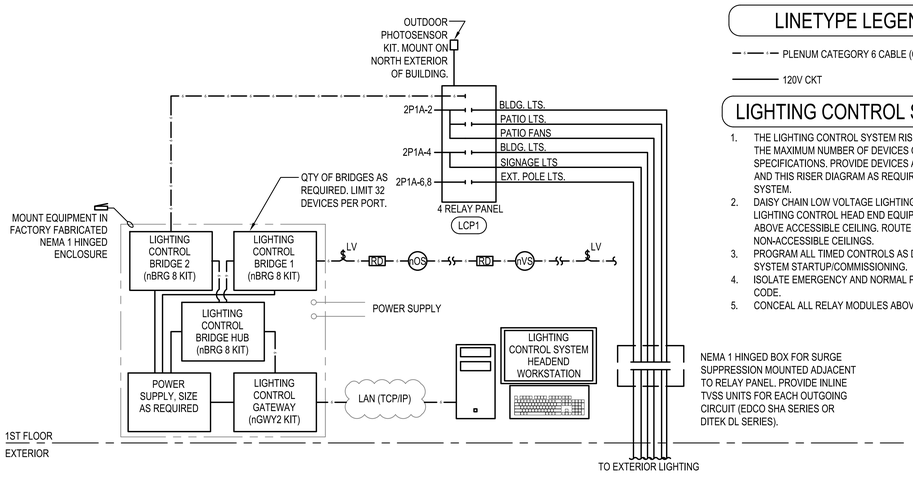
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E131

LIGHTNING PROTECTION

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LINETYPE LEGEND

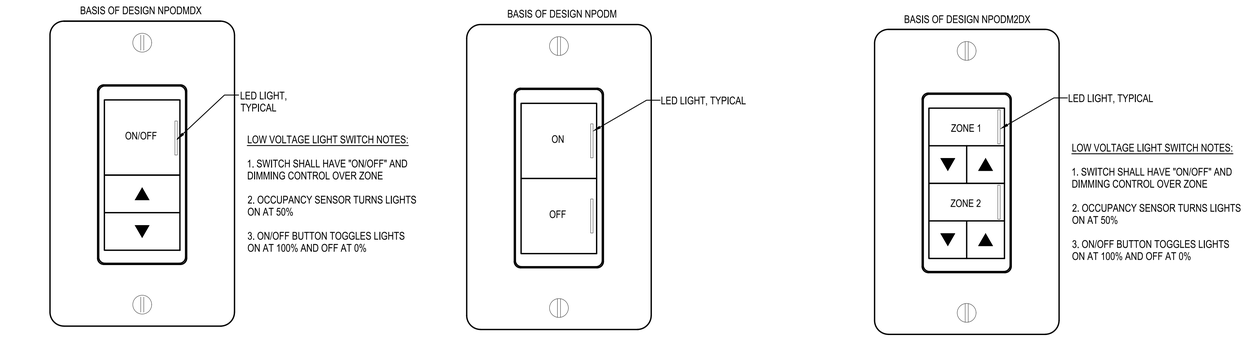
- PLENUM CATEGORY 6 CABLE (CYAN)
- 120V CKT

LIGHTING CONTROL SYSTEM NOTES

1. THE LIGHTING CONTROL SYSTEM RISER DIAGRAM IS DIAGRAMATIC. THE MAXIMUM NUMBER OF DEVICES ON ANY BRIDGE IS LIMITED, SEE SPECIFICATIONS. PROVIDE DEVICES AS SHOWN ON THE FLOOR PLANS AND THIS RISER DIAGRAM AS REQUIRED FOR A FULLY FUNCTIONAL SYSTEM.
2. DAISY CHAIN LOW VOLTAGE LIGHTING CONTROL DEVICES TO THE LIGHTING CONTROL HEAD END EQUIPMENT USING DEDICATED J-HOOKS ABOVE ACCESSIBLE CEILING. ROUTE CABLING IN 1" CONDUIT ABOVE NON-ACCESSIBLE CEILINGS.
3. PROGRAM ALL TIMED CONTROLS AS DIRECTED BY USER DURING SYSTEM STARTUP/COMMISSIONING.
4. ISOLATE EMERGENCY AND NORMAL POWER SYSTEMS AS REQUIRED BY CODE.
5. CONCEAL ALL RELAY MODULES ABOVE ACCESSIBLE CEILING.

1 DISTRIBUTED LOW VOLTAGE LIGHTING CONTROL SYSTEM RISER DIAGRAM

NOT TO SCALE



2 LOW VOLTAGE SWITCH DETAIL

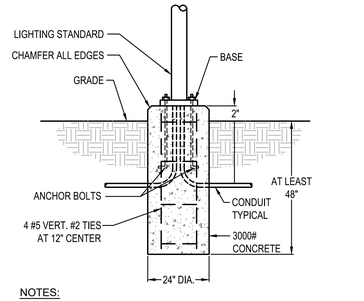
NOT TO SCALE — $_{LV1}$

3 LOW VOLTAGE SWITCH DETAIL

NOT TO SCALE — $_{LV2}$

4 LOW VOLTAGE SWITCH DETAIL

NOT TO SCALE — $_{LV3}$

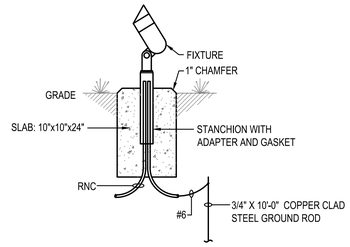


NOTES:

1. INSTALL A 5/8" BY 10'-0" COPPERCLAD STEEL GROUND ROD DRIVEN BESIDE EACH BASE AND PROVIDE A #6 COPPER BOND FROM GROUND ROD TO BASE OF POLE. PROVIDE ALL NECESSARY LUGS OR TERMINALS TO CONNECT TO POLE.
2. BASE TO BE POURED AGAINST UNDISTURBED EARTH. DO NOT PLACE ANY PORTION OF BASE BELOW WATER TABLE.
3. SEE PLANS FOR LOCATION AND QUANTITIES.

5 CONCRETE BASE FOR SITE LIGHTING POLE DETAIL

NOT TO SCALE

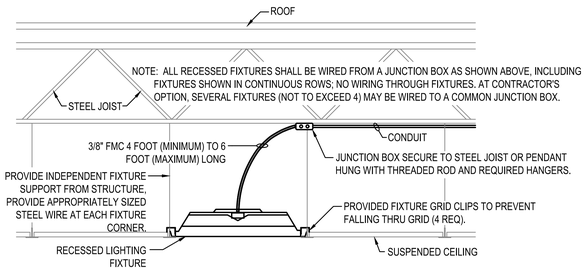


6 FLOOD LIGHT 'UP' MOUNTING DETAIL

NOT TO SCALE

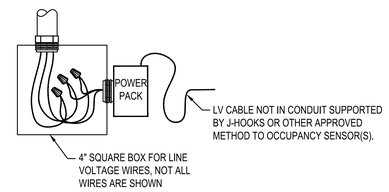
LIGHTING FIXTURE SCHEDULE

ZONE/ EQUIP	LOAD DESCRIPTION	VOLTAGE	CONTROL
a	KITCHEN 127	120V	AUTO ON (100%) / DIM TO 50% ON VACNCY VIA OCCUPANCY SENSOR (TIME DELAY SET TO 20 MIN) MANUAL ON ONLY VIA LOCAL LV SWITCH DURING OCCUPIED TIMES MANUAL ON/OFF OUTSIDE OF OCCUPIED TIMES VIA LOCAL LV SWITCH
b	DINING 126 AND DAY ROOM 125	120V	AUTO ON (100%) / DIM TO 50% ON VACNCY VIA OCCUPANCY SENSOR (TIME DELAY SET TO 20 MIN) MANUAL ON ONLY VIA LOCAL LV SWITCH DURING OCCUPIED TIMES MANUAL ON/OFF OUTSIDE OF OCCUPIED TIMES VIA LOCAL LV SWITCH
c	LOBBY 101 AND COORIDOR 106,120, 131, AND 136	120V	AUTO ON/OFF VIA OCCUPANCY SENSOR (TIME DELAY SET TO 20 MIN) MANUAL ON/OFF VIA LOCAL LV SWITCH
d	MEZZANINE 201-204 AND GEAR 144	120V	MANUAL ON/OFF VIA LOCAL LV SWITCH
e	OFFICE 105 & 137, WATCH/OFFICE 102, AND WELLNESS 135	120V	AUTO ON/OFF VIA OCCUPANCY SENSOR (TIME DELAY SET TO 20 MIN) MANUAL ON/OFF VIA LOCAL LV SWITCH MANUAL DIMING VIA LOCAL LV SWITCH
f	LAUNDRY 122	120V	AUTO ON/OFF VIA OCCUPANCY SENSOR (TIME DELAY SET TO 20 MIN) MANUAL ON/OFF VIA LOCAL LV SWITCH
g	OFFICER 104&107 AND DORM ROOMS	120V	MANUAL ON/OFF VIA LOCAL LV SWITCH MANUAL DIMING VIA LOCAL LV SWITCH
h	PATIO 124	120V	AUTO ON/OFF VIA PHOTOELECTRIC CELL. MANUAL ON/OFF VIA LOCAL LV SWITCH
NOTES			



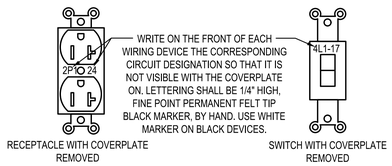
7 TYPICAL FIXTURE INSTALLATION DETAIL

NOT TO SCALE



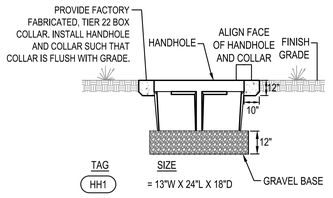
8 OCCUPANCY SENSOR POWER PACK DETAIL

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9 WIRING DEVICE LABEL DETAIL

NOT TO SCALE



10 HANDHOLE DETAIL

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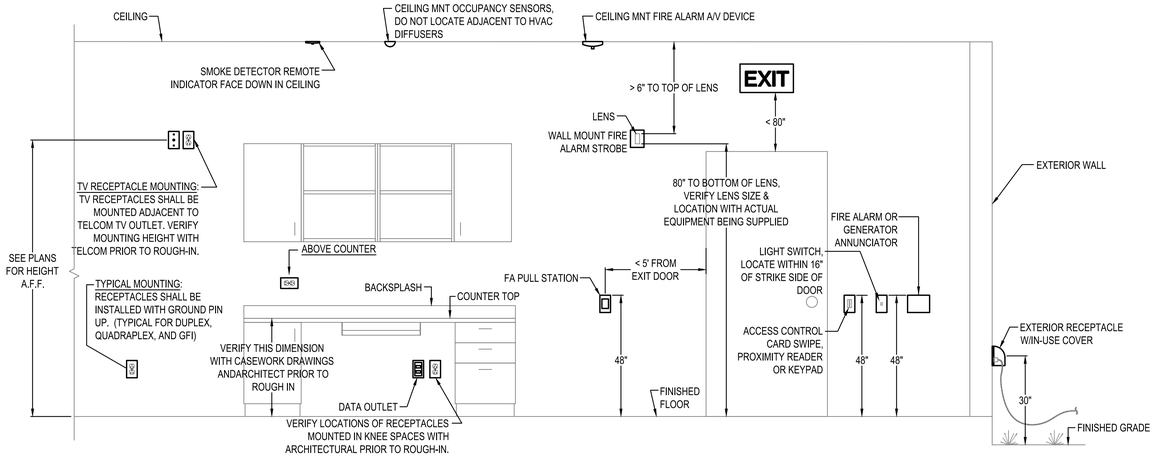
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E501
DETAILS

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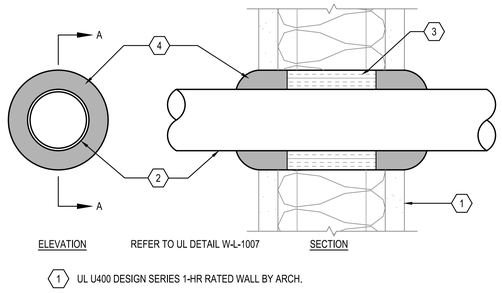


8 TYPICAL DEVICE MOUNTING DETAIL

NOT TO SCALE

3 TYPICAL FLAT PANEL MOUNTING DETAIL - HORIZONTAL

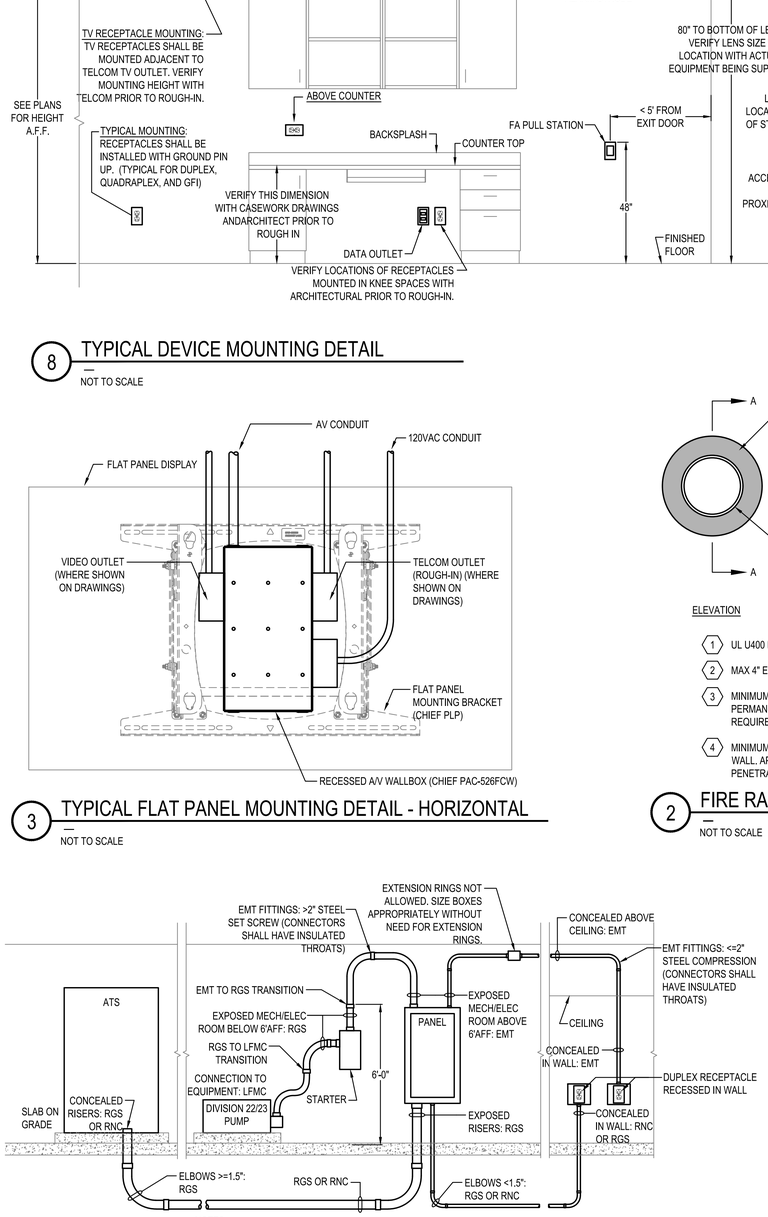
NOT TO SCALE



1. UL U400 DESIGN SERIES 1-HR RATED WALL BY ARCH.
2. MAX 4" EMT.
3. MINIMUM 2-7/8" THICKNESS 4 PCF MINERAL WOOL INSULATION TIGHTLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL SHALL BE RECESSED FROM BOTH SURFACES OF WALL AS REQUIRED TO ACCOMMODATE THE REQUIRED THICKNESS OF MATERIAL.
4. MINIMUM 5/8" THICKNESS OF FILL SEALANT APPLIED WITHIN ANNULUS, FLUSH WITH BOTH SURFACES OF WALL. APPLY ADDITIONAL SEALANT SUCH THAT A MINIMUM 1" THICK CROWN IS FORMED AROUND THE PENETRATING CONDUIT.

2 FIRE RATED WALL PENETRATION DETAIL - CONDUIT

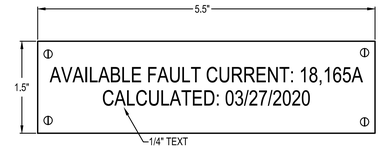
NOT TO SCALE



NOTES:
1. THE SPECIFICATIONS ALWAYS PREVAIL OVER THIS DETAIL. SEE SPECIFICATION SECTION 16100 FOR ADDITIONAL INFORMATION, EXCEPTIONS, ETC.
2. THIS DETAIL IS NOT INTENDED FOR FIRE PUMP INSTALLATIONS.

1 POWER & DISTRIBUTION RACEWAY APPLICATION DETAIL

NOT TO SCALE

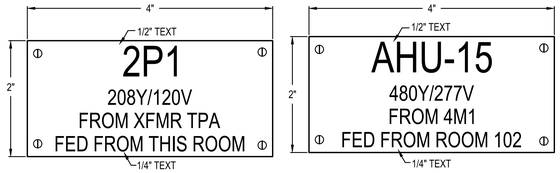


EXAMPLE PANELBOARD LABEL

ENGRAVED PLASTIC TAG WITH WHITE LETTERS ON BLUE BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT. MOUNT DIRECTLY BELOW THE EQUIPMENT LABEL.

4 TYPICAL EQUIPMENT FAULT CURRENT TAG DETAIL

NOT TO SCALE



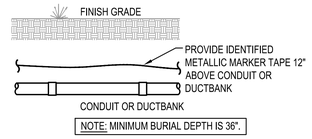
EXAMPLE PANELBOARD LABEL

EXAMPLE MECHANICAL EQUIPMENT DISCONNECT LABEL.

ENGRAVED PLASTIC TAG WITH BLACK LETTERS ON WHITE BACKGROUND (RED BACKGROUND FOR EMERGENCY EQUIPMENT). TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT.

5 TYPICAL EQUIPMENT LABELING DETAIL

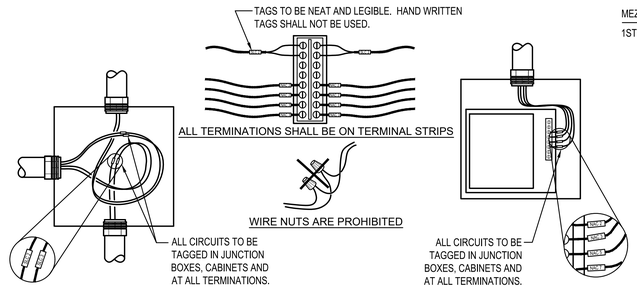
NOT TO SCALE



NOTE: MINIMUM BURIAL DEPTH IS 36".

5 BURIED CONDUIT MARKER DETAIL

NOT TO SCALE



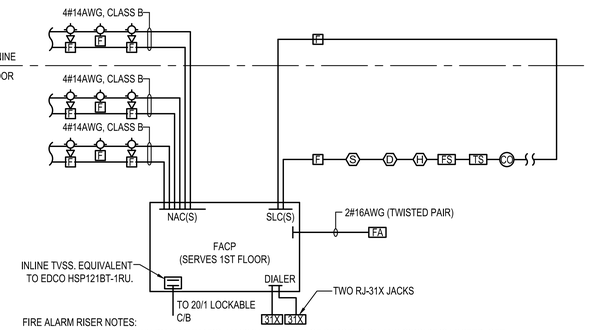
FIRE ALARM ⌀ CONTROL PANEL ⌀

FIRE ALARM SYSTEM ⌀ REMOTE ANNUNCIATOR ⌀

ENGRAVED PLASTIC TAG WITH 1/4" HIGH WHITE LETTERS ON RED BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 2 CHROME (STAINLESS STEEL FOR WET OR DAMP LOCATIONS) SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED. 1"X3" DIMENSIONS ARE MINIMUM, TAG SHALL BE LARGER AS REQUIRED TO FIT APPROPRIATE TEXT.

5 FIRE ALARM SYSTEM LABELING DETAIL

NOT TO SCALE



FIRE ALARM RISER NOTES:
1. THE NAC CIRCUIT IS SHOWN DIAGRAMMATIC. MAXIMUM NUMBER OF STROBES ON ANY CIRCUIT IS LIMITED. SEE SPECIFICATIONS.

2. CONNECTIONS TO CONTROL RELAYS FOR SMOKE DAMPERS ARE NOT SHOWN ON THE RISER. PROVIDE CONNECTIONS FOR SLC AND NAC AS REQUIRED FOR PROPER OPERATION.

3. SLC LOOP TO CONNECT TO ALL ADDRESSABLE FIRE ALARM SYSTEM DEVICES. VERIFY DEVICES FROM FLOOR PLANS. PROVIDE ADDITIONAL LOOP(S) AS REQUIRED. SEE SPECIFICATIONS.

4. 3/4" MINIMUM CONDUIT SIZE FOR FIRE ALARM SYSTEM CIRCUITS. ALL CIRCUITS SHALL BE IN CONDUIT DEDICATED TO THE FIRE ALARM SYSTEM.

5. BATTERY CABINETS AND NAC EXPANDERS TO BE LOCATED AS NEEDED IN ELECTRICAL ROOMS ONLY.

6 FIRE ALARM SYSTEM RISER DIAGRAM

NOT TO SCALE

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
1250 BAUER ROAD, PENSACOLA, FL

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07/10/2026
Harold Lynn Dell, Jr. 73914

JOB #:
DATE: 7/10/2026

E502

DETAILS

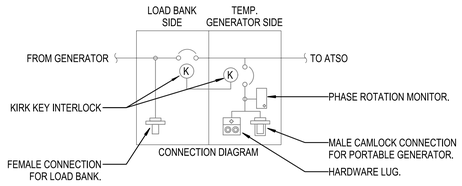
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY HAROLD LYNN DELL, JR. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES

SINGLE LINE DIAGRAM LEGEND

- 17.913 — FAULT CURRENT TAG. AVAILABLE SYMMETRICAL FAULT CURRENT IN kA AT EQUIPMENT INDICATED. BASED ON 300kVA UTILITY TRANSFORMER.
- CIRCUIT BREAKER
- NORMAL POWER FEEDER/CKT.
- EMERGENCY FEEDER/CKT, NEC ART 700. ALL OCPDs IN THE EMERGENCY SYSTEM SHALL BE SELECTIVELY COORDINATED PER NEC 700.27. SUBMIT A COORDINATION STUDY PER SPECIFICATIONS
- GROUNDING ELECTRODE AND GROUNDING ELECTRODE CONDUCTOR
- GENERATOR
- BYPASS ISOLATION AUTOMATIC TRANSFER SWITCH
- PANELBOARD. SEE PANELBOARD INFORMATION SCHEDULE FOR FEEDER SIZE AND PANELBOARD SIZE & DATA.

SINGLE LINE DIAGRAM NOTES

1. 1/0 GEC TO THREE 30' GROUND RODS ON 30' CENTERS IN EQUILATERAL DELTA ARRANGEMENT.
2. 1/0 BONDS TO FOUNDATION REBAR, BUILDING WATER SERVICE AND BUILDING STEEL.
3. 800A 3-POLE, 42kAIC, SERVICE RATED TRANSFER SWITCH. NEC ART. 702 (OPTIONAL STANDBY) LOADS.

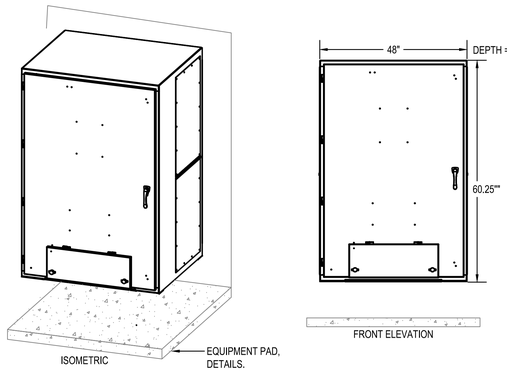


LINETYPE LEGEND

- FIELD INSTALLED BY EC
- FACTORY WIRED/INTEGRAL TO EQUIPMENT

GENERAL NOTES

1. DUAL PURPOSE DOCKING STATION SHALL BE PROVIDED WITH THE FOLLOWING:
   - 1.1. KIRK KEY DOOR INTERLOCK.
   - 1.2. INTEGRAL SPD.
   - 1.3. 120V/20A INTEGRAL GFCI RECEPTACLE.
   - 1.4. LOAD BANK AND TEMPORARY GENERATOR SIDE CIRCUIT BREAKERS.
   - 1.5. UL 1650 LISTED 600V GENERATOR POWER CABLES, QUANTITY AND COLOR AS REQUIRED.
   - 1.6. LOCKABLE ALUMINUM NEMA 3R ENCLOSURE.
   - 1.7. 16 SERIES MALE AND FEMALE CAMLOCK CONNECTIONS.
   - 1.8. EQUIPMENT PAD. SEE DETAILS FOR REQUIREMENTS.
   - 1.9. AUXILIARY CONTACTS FOR CONTROL WIRING TO ATSO.
2. BASIS OF DESIGN - TRYSTAR DBDS-5.
3. INSTALLATION SHALL BE IN ACCORDANCE WITH NEC 700.3F.
4. PROVIDE LABELS INDICATING CONNECTION, GROUNDING, AND PHASE ROTATION REQUIREMENTS.



2 DUAL PURPOSE DOCKING STATION DETAIL

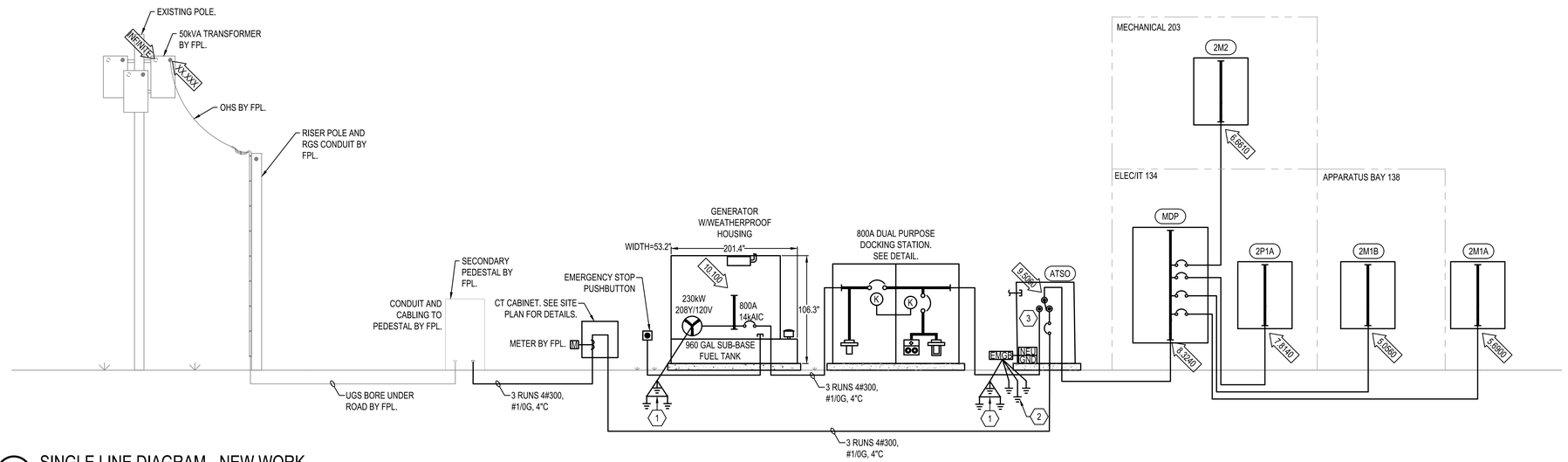
NOT TO SCALE

PANELBOARD INFORMATION SCHEDULE

MARK	ENCLOSURE TYPE	MOUNTING STYLE	VOLTAGE	Ø	WIRE	MAIN BKR	IF MLO, SERVING BKR	SERVICE RATED	kAIC RATING*	Ø BUS RATING (A)	N BUS RATING	FEEDER CONDUCTORS	FEEDER GROUND	FEEDER CONDUIT	NOTES
MDP	NEMA 1	SURFACE	208/120	3	4	MLO	800	NO	22	800	100%	3 RUNS 4#300	#1/0	3"C EA	1
2P1A	NEMA 1	SURFACE	208/120	3	4	MLO	225	NO	10	225	100%	4#4/0	#4	2 1/2"C	1
2P1B	NEMA 1	SURFACE	208/120	3	4	MLO	225	NO	10	225	100%	4#4/0	#4	2 1/2"C	1
2M1A	NEMA 3R SS	SURFACE	208/120	3	4	MLO	175	NO	10	225	100%	4#2/0	#6	2 1/2"C	1
2M2	NEMA 1	SURFACE	208/120	3	4	MLO	225	NO	10	225	100%	4#4/0	#4	2 1/2"C	1
NOTES	1. PROVIDE INTEGRAL SPD.														

MECHANICAL EQUIPMENT ELECTRICAL SCHEDULE

MARK	ITEM	VOLTAGE/Ø	MCA	LOAD	MEANS OF DISCONNECT*	C/B TRIP (AMPS)	CIRCUIT Ø	CIRCUIT GROUND	CIRCUIT CONDUIT	SERVING PANEL	NOTES
AHU-1	AIR HANDLING UNIT	208/3	45	37.0 A	C/B	45	3#6	#10	1"C	2M2	
AHU-2	AIR HANDLING UNIT	208/3	45	37.0 A	C/B	45	3#6	#10	1"C	2M2	
AHU-3	AIR HANDLING UNIT	208/3	45	37.0 A	C/B	45	3#6	#10	1"C	2M2	
AHU-4	AIR HANDLING UNIT	208/3	45	37.0 A	C/B	45	3#6	#10	1"C	2M2	
CU-1	CONDENSING UNIT	208/1	39	31.2 A	C/B	60	2#8	#8	3/4"C	2M1A	
CU-2	CONDENSING UNIT	208/1	33	26.4 A	C/B	50	2#8	#10	3/4"C	2M1A	
CU-3	CONDENSING UNIT	208/1	39	31.2 A	C/B	60	2#8	#8	3/4"C	2M1A	
CU-4	CONDENSING UNIT	208/1	33	26.4 A	C/B	50	2#8	#10	3/4"C	2M1A	
DH-1	DEHUMIDIFIER	120/1	10.2	8.3 A	C/B	20	2#12	#12	1/2"C	2M2	
DH-2	DEHUMIDIFIER	120/1	10.2	8.3 A	C/B	20	2#12	#12	1/2"C	2M2	
DH-3	DEHUMIDIFIER	120/1	10.2	8.3 A	C/B	20	2#12	#12	1/2"C	2M2	
DH-4	DEHUMIDIFIER	120/1	10.2	8.3 A	C/B	20	2#12	#12	1/2"C	2M2	
HVLS-1	HIGH VOLUME LOW SPEED FAN	208/3	8.8	1.5 HP	C/B	15	3#12	#12	1/2"C	2P1B	4
HVLS-2	HIGH VOLUME LOW SPEED FAN	208/3	8.8	1.5 HP	C/B	15	3#12	#12	1/2"C	2P1B	4
HVLS-3	HIGH VOLUME LOW SPEED FAN	208/3	8.8	1.5 HP	C/B	15	3#12	#12	1/2"C	2P1B	4
HVLS-4	HIGH VOLUME LOW SPEED FAN	208/3	8.8	1.5 HP	C/B	15	3#12	#12	1/2"C	2P1B	4
MSCU-1	SPLIT-SYSTEM OUTDOOR UNIT	208/1	22	17.6 A	C/B	35	2#10	#10	1/2"C	2M1A	2
MSCU-2	SPLIT-SYSTEM OUTDOOR UNIT	208/1	22	17.6 A	C/B	35	2#10	#10	1/2"C	2M1A	2
MSCU-3	SPLIT-SYSTEM OUTDOOR UNIT	208/1	22	17.6 A	C/B	35	2#10	#10	1/2"C	2M1A	2
MSAC-1	SPLIT-SYSTEM INDOOR UNIT	208/1	3	0.6 kVA	15/1 TSM N1	35	2#12	#10	1/2"C	2M1A	2
MSAC-2	SPLIT-SYSTEM INDOOR UNIT	208/1	3	0.6 kVA	15/1 TSM N1	35	2#12	#10	1/2"C	2M1A	2
MSAC-3	SPLIT-SYSTEM INDOOR UNIT	208/1	3	0.6 kVA	15/1 TSM N1	35	2#12	#10	1/2"C	2M1A	2
AC-1	AIR COMPRESSOR	208/3	22	5 HP	30/3 SS N1	35	3#10	#10	1/2"C	2P1B	
AD-1	AIR DRYER	120/1	2.1	0.16 kW	15/1 TMS N1	15	2#12	#12	1/2"C	2P1B	
EF-1	EXHAUST FAN	208/1	8.6	3/4 HP	SEE NOTES	15	2#12	#12	1/2"C	2P1B	1, 3
EF-10	EXHAUST FAN	208/1	8.6	3/4 HP	SEE NOTES	15	2#12	#12	1/2"C	2P1B	1, 3
EF-11	EXHAUST FAN	208/1	8.6	3/4 HP	SEE NOTES	15	2#12	#12	1/2"C	2P1B	1, 3
EF-12	EXHAUST FAN	208/1	8.6	3/4 HP	SEE NOTES	15	2#12	#12	1/2"C	2P1B	1, 3
EF-13	EXHAUST FAN	208/1	8.6	3/4 HP	SEE NOTES	15	#12	#12	1/2"C	2P1B	1, 3
CP-1	CIRCULATION PUMP	120/1	8.3	6.7 A	SEE NOTES	15	#12	#12	1/2"C	2P1A	1
GWH-1	GAS WATER HEATER	120/1	8.3	6.7 A	SEE NOTES	15	#12	#12	1/2"C	2M1A	1
IRG-1	IRIGATION PUMP	208/1	8.3	5 HP	60/2 N3R SS	60	#12	#8	1/2"C	2M1A	1
NOTES	*N1=NEMA 1, N3R=NEMA 3R, SS=SAFETY SWITCH,, C/B=SERVING C/B, TSM=MOTOR RATED TS										
	1. DISCONNECT INTEGRAL TO EQUIPMENT BY DIVISION 23.										
	2. INDOOR UNIT CONNECTED TO OUTDOOR UNIT VIA CONTROL/POWER CABLE PROVIDED BY DIV 23. INSTALLED BY DIVISION 26.										



1 SINGLE LINE DIAGRAM - NEW WORK

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MEP Engineering
Florida License Number 28404
129 E. Government Street
Pensacola, FL 32502
P:850-332-5687 F:850-332-6629
DELL CONSULTING PROJECT: 26-0038

ESCAMBIA COUNTY FIRE-RESCUE
PARADISE BEACH - STATION 20
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REVISIONS

07/10/2026
Harold Lynn Dell Jr, 73914

JOB #:
DATE: 7/10/2026

E601

SINGLE LINE DIAGRAMS

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LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER AND CATALOG NUMBER	LAMPS			TOTAL	VOLTAGE	MOUNTING	NOTES
		TYPE	#	WATTS	WATTS			
L3H2	LITHONIA 2BLT2 30L MVOLT EZ1 LP835 WILLIAMS DAY-BRIGHT	LED 35K	N/A	26.5 W	26.5 W	120 V	RECESSED GRID	HIGH-EFFICIENCY VOLUMETRIC FIXTURE, HIGH PERFORMANCE EXTRUDED ACRYLIC DIFFUSER WITH TRIM RINGS, 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, PAINTED FAB. LED REQUIREMENTS: COLOR VARIATION WITHIN 3-STEP MACADAM ELIPSE. L80 RATED LIFE OF 60,000 HOURS.
L3H	LITHONIA 2BLT4 30L ADPT EZ1 LP835 WILLIAMS DAY-BRIGHT	LED 35K	N/A	23 W	23 W	120 V	RECESSED GRID	HIGH-EFFICIENCY VOLUMETRIC FIXTURE, HIGH PERFORMANCE EXTRUDED ACRYLIC DIFFUSER WITH TRIM RINGS, 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, PAINTED FAB. LED REQUIREMENTS: COLOR VARIATION WITHIN 3-STEP MACADAM ELIPSE. L80 RATED LIFE OF 60,000 HOURS.
L5H	LITHONIA 2BLT4 48L ADPT EZ1 LP835 WILLIAMS DAY-BRIGHT	LED 35K	N/A	38 W	38 W	120 V	RECESSED GRID	HIGH-EFFICIENCY VOLUMETRIC FIXTURE, HIGH PERFORMANCE EXTRUDED ACRYLIC DIFFUSER WITH TRIM RINGS, 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, PAINTED FAB. LED REQUIREMENTS: COLOR VARIATION WITHIN 3-STEP MACADAM ELIPSE. L80 RATED LIFE OF 60,000 HOURS.
L2W	LITHONIA BLWP2 2' LED WRAPAROUND 48L ADSM 120 GZ1 LP835 DIM50 E10W WILLIAMS DAY-BRIGHT	LED 35K	N/A	44 W	44 W	120 V	CEILING OR WALL AS INDICATED	DIE -FORMED ENCLOSURE COMPONENTS, RATED LIFE OF 60,000 HOURS, SURFACE OR SUSPENDED MOUNTING, UL LISTED FOR DAMP LOCATIONS, 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY.
L3I	LITHONIA ZLID L48 3000LM FST MVOLT 35K 80CRI PLR WH DAY-BRITE COLUMBIA	LED 35K	N/A	30 W	30 W	120 V	SURFACE MOUNT TO METAL CEILING SYSTEM	LOW PROVIDE STRIP FIXTURE, INJECTION MOLDED ACRYLIC DIFFUSE LENS WITH 10% UPLIGHT. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, PAINTED AFTER FAB.
L5I	LITHONIA ZLID L48 5000LM FST MVOLT 35K 80CRI PLR WH DAY-BRITE COLUMBIA	LED 35K	N/A	36 W	36 W	120 V	SURFACE MOUNT TO METAL CEILING SYSTEM	LOW PROVIDE STRIP FIXTURE, INJECTION MOLDED ACRYLIC DIFFUSE LENS WITH 10% UPLIGHT. 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, PAINTED AFTER FAB.
LD25	GOTHAM EV04SQSH 40/25 DFRAMF SMO MVOLT EZ1 OMEGA PORTFOLIO	LED 40K	N/A	25.7 W	25.7 W	120 V	RECESSED CEILING	FULLY SERVICEABLE, ANTI-MICROBIAL, HIGH-IMPACT POLYMER TRIM, 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY, UL LISTED FOR WET LOCATIONS. LED REQUIREMENTS: COLOR VARIATION WITHIN 2.5-STEP MACADAM ELIPSE. L70 RATED LIFE OF 60,000 HOURS.
LD27	AX4SQ D 27LM 40K 80CRI 50D EZ1 OR APPROVED EQUAL	LED 40K	N/A	25.8 W	25.8 W	120 V	RECESSED CEILING	STATIC WHITE, HOUSING ARE RATED FOR DIRECT CONTACT WITH INSULATION, WET LOCATION RATED 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY. L70 RATED LIFE OF 60,000 HOURS.
LSL	GOTHAM EVO6SH 50/15 DFR SMO MVOLT EZ1 OMEGA PORTFOLIO	LED 50K	N/A	14.7 W	14.7 W	120 V	RECESSED GRID	NON-CONDUCTIVE RECESSED TRIM WITH IMPACT-MODIFIED ACRYLIC LENSE, WHITE PAINTED FLANGE, IP66, WET LOCATION RATED 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY. LED REQUIREMENTS: COLOR VARIATION WITHIN 2.5-STEP MACADAM ELIPSE. L80 RATED LIFE OF 60,000 HOURS.
LL2	STARTEK BEAMD 24" 350 SD 35K 80 PW WM U 1C OR APPROVED EQUAL	LED 50K	N/A	20 W	20 W	120 V	WALL AT 7'0	ALUMINUM HOUSING, SOFT DIFFUSE DIRECT LIGHTING, POWDER COAT FINISHING, UL LISTED FOR DRY AND DAMP LOCATIONS, 1% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY.
EXB	PATHWAY LDEXCR EMERGILITE DXN-R-N-DL LITHONIA LES 3 R VOLT EL N SD DL	LED	N/A	7.1W	9.0W	120 V	WALL OR CEILING INDICATED	PROVIDE EMERGENCY NICAD BATTERY BACKUP, ARROWS AS PER PLANS, DIE CAST ALUMINUM HOUSING W/BRUSHED ALUMINUM FACEPLATE, SELF DIAGNOSTICS W/LEDS, DOUBLE FACE AS INDICATED ON PLANS.
XEB	EMERGI-LITE WLSNX 43 N R C RL D LITHONIA EDG W1 R EL SD INVERTER SYS PINN R SP CR CW SC	LED	N/A	7.1W	9.0W	120 V	WALL OR CEILING INDICATED	PROVIDE EMERGENCY NICAD BATTERY BACKUP, ARROWS AS PER PLANS, RECESSED EDGE LIT DESIGN, MIRROR PANEL, RECESSED BACKBOX, SELF DIAGNOSTICS W/LEDS, DOUBLE FACE AS INDICATED ON PLANS.
HB	LITHONIA IBE L24 12000LM SD080 MD MVOLT GZ10 50K GARDCO COLUMBIA	LED 50K	N/A	83 W	83 W	120 V	CEILING AS INDICATED	SEMI-DIFFUSE, ACRYLIC LENS PROVIDES GLARE CONTROL AND LED PROTECTION, HIGH BAY, 1% 0-10V THERMALLY PROTECTED DIMMING DRIVER, 5-YEAR WARRANTY. L70 RATED LIFE OF 100,000 HOURS.
PL1	LUMINAIRE DSX2 LED P4 40K 80CRI T3M MVOLT RPA5 HS DDBXD POLE - LITHONIA RTA 8E DM19AS FBC DDBXD GARDCO, HUBBELL	LED 40K	N/A	277 W	277 W	208 V	POLE @ 25' SEE DETAIL	UL LISTED FOR WET LOCATIONS, SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, ZINCH-INFUSED POWDER COAT, DUSK TO DAWN CONTROLS, 5-YEAR WARRANTY.
PL2	LUMINAIRE DSX2 LED P4 40K 80CRI T4M MVOLT RPA5 HS DDBXD POLE - LITHONIA RTA 8E DM19AS FBC DDBXD GARDCO, HUBBELL	LED 40K	N/A	277 W	277 W	208 V	POLE @ 25' SEE DETAIL	UL LISTED FOR WET LOCATIONS, SINGLE-PIECE DIE-CAST ALUMINUM HOUSING, ZINCH-INFUSED POWDER COAT, DUSK TO DAWN CONTROLS, 5-YEAR WARRANTY.
WPL	LITHONIA WST LED P2 35K VF MVOLT DBLXD GARDCO KIM	LED 35K	N/A	25 W	25 W	120 V	WALL AT 8'0"	UL LISTED FOR WET LOCATIONS, ONE-PIECE CAST ALUMINUM HOUSING, TEMPERED LENS, ALUMINUM LENS FRAME.
WPL2	LITHONIA WDGE2 LED P3 35K 80CRI T3M MVOLT SRM PE DDBXD GARDCO KIM	LED 35K	N/A	32 W	32 W	120 V	WALL AS INDICATED	UL LISTED FOR WET LOCATIONS. DIE-CAST ALUMINUM HOUSING WITH ZINC-INFUSED 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY.
WPL3	LITHONIA WDGE1 P0 35K 80CRI VW MVOLT SRM E4WH DDBXD GARDCO KIM	LED 35K	N/A	7 W	7 W	120 V	WALL AS INDICATED	UL LISTED FOR WET LOCATIONS, DIE-CAST ALUMINUM HOUSING, ZINC-INFUSED, 10% 0-10V DIMMING DRIVER, 5-YEAR WARRANTY.
SC	TMSLIGHTING CYU O 8 15LED2 35K 120 F21 EUREKA LITHONIA	LED 35K	N/A	30 W	30 W	120 V	WALL AS INDICATED	UL LISTED FOR OUTDOOR LOCATIONS, ALUMINUM HOUSING POWDER COATED FINISHES, GLASS LENS, 1% 0-10V STANDARD DIMMING DRIVER.
UC	ZIPONE 707-Z1 SL 48L 0 AT 1 0 Z A2 AL NEPTUNE MULLER	LED 35K	N/A	6.6 W	6.6 W	120 V	UNDER CABINETS AS INDICATED	VERSATILE MOUNTING OPTIONS, TAPE ON FERROUS STRIP OR LOW PROFILE CLIP, 100 DEGREE BEAM DISTRIBUTION, GLARE CONTROL, 1% 0-10V DIMMING DRIVER.
VL	BROWNLEE FLOW-Q 5165 24 BZ H16 40K EVERGREEN LITHONIA	LED 40K	N/A	16 W	16 W	120 V	WALL MOUNT VERTICALLY CENTER ON MIRROR	ALUMINUM HOUSING WITH ULTRA SLIM 2.0" SQUARE UV STABILIZED WHITE ACRYLIC, 5-YEAR WARRANTY, 100,000 HOURS, 300K LUMENS DELIVERED.
FL	LUMENBEAM 35K NF LSLH HYDREL ACCLAIM	LED 35K	N/A	28 W	28 W	208 V	ON GRADE	WL RATED, LOW COPPER CONTENT HIGH PRESSURE DIE-CAST ALUMINUN HOUSING, CLEAR TEMPERED GLASS LENS, STAINLESS STEEL, POWDER COAT FINISH, 0-10V DIMMING DRIVER.

NOTES	
	SEE SPECIFICATIONS FOR APPROVED MANUFACTURERS.
	FIXTURES WITH HALF FILLED IN CENTER SHALL BE PROVIDE WITH A BATTERY PACK. SEE PLANS FOR QUANTITY.
	APPROVAL SUBMITTALS FOR MANUFACTURERS NOT LISTED MUST BE SUBMITTED TO THE ENGINEER 14 DAYS PRIOR TO BID DATE FOR REVIEW. MANUFACTURERS NOT LISTED WILL NOT BE ACCEPTED UNLESS APPROVED BY ADDENDUM.

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07/10/2026
Harold Lynn Dell Jr. 73914

JOB #:

DATE: 7/10/2026

E701

SCHEDULES

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PANELBOARD SCHEDULE

MARK: MDP

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1				15.8			18.8						2
3	PANEL 2M1A	3	175		16.4			20.8		225	3	2P1A	4
5						14.5			19.2				6
7	SPARE	1	-	-			18.6						8
9	SPARE	1	-		-			16.8		225	3	2P1B	10
11	SPARE	1	-			-			16.4				12
13	SPARE	1	-	-			20.0						14
15	SPARE	1	-		-			20.0		225	3	2M2	16
17	SPACE ONLY	-	-			-			17.9				18
19	SPACE ONLY	-	-	-			-			-		SPACE ONLY	20
21	SPACE ONLY	-	-		-			-		-	-	SPACE ONLY	22
23	SPACE ONLY	-	-			-			-	-	-	SPACE ONLY	24
				15.8	16.4	14.5	57.4	57.6	53.5				

TOTAL (kVA) ØA 73.2 ØB 74.0 ØC 68.0 HIGH PHASE (AMPS) 616.7

TOTAL CONNECTED LOAD (kVA) 215.2 TOTAL LOAD (AMPS) 597.3

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE

MARK: 2M1A

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	CONDENSING UNIT CU-1	2	60	3.2			2.7			50	2	CONDENSING UNIT CU-2	2
3	EXT				3.2			2.7				EXT	4
5	CONDENSING UNIT CU-3	2	60			3.2			2.7	50	2	CONDENSING UNIT CU-4	6
7	EXT			3.2			2.7					EXT	8
9	HEAT PUMP MSCU-1	2	35		1.8			1.8		35	2	HEAT PUMP MSCU-2	10
11	EXT					1.8			1.8			EXT	12
13	HEAT PUMP MSCU-3	2	35	1.8			0.8			20	1	GAS WATER HEATER GWH-1 EXT	14
15	EXT				1.8			2.9		60	2	IRRIGATION PUMP	16
17	EXHAUST FAN EF-1	2	15			0.7			2.9			EXT	18
19	EXT			0.7			0.2			20	1	GENERATOR BATTERY CHARGER	20
21	ATS STRIP HEATER EXT	1	20		0.5			1.2		20	1	GENERATOR BLOCK HEATER	22
23	DS BATTERY CHARGER	1	20			0.5			0.4	20	1	GENERATOR REC	24
25	DS REC FOR BLOCK HEATER	2	20	0.5			-			20	1	SPARE	26
27					0.5			-		20	1	SPARE	28
29	DS INTEGRAL HEATER	1	20			0.5			-	20	1	SPARE	30
31	SPARE	1	20	-			-			20	1	SPARE	32
33	SPARE	1	20		-			-		-	-	SPACE ONLY	34
35	SPARE	1	20			-			-	-	-	SPACE ONLY	36
37	SPACE ONLY	-	-	-			-			-	-	SPACE ONLY	38
39	SPACE ONLY	-	-		-			-		-	-	SPACE ONLY	40
41	SPACE ONLY	-	-			-			-	-	-	SPACE ONLY	42
				9.4	7.8	6.7	6.4	8.6	7.8				

TOTAL (kVA) ØA 15.8 ØB 16.4 ØC 14.5 HIGH PHASE (AMPS) 136.7

TOTAL CONNECTED LOAD (kVA) 46.7 TOTAL LOAD (AMPS) 129.6

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE

MARK: 2M2

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1				4.4			4.4						2
3	AIR HANDLUING UNIT AHU-1	3	45		4.4			4.4		45	3	AIR HANDLUING UNIT AHU-2	4
5						4.4			4.4				6
7				4.4			4.4						8
9	AIR HANDLUING UNIT AHU-3	3	45		4.4			4.4		45	3	AIR HANDLUING UNIT AHU-4	10
11						4.4			4.4				12
13	DEHUMIDIFIER DH-1	1	20	1.2			1.2			20	1	DEHUMIDIFIER DH-2	14
15	DEHUMIDIFIER DH-2	1	20		1.2			1.2		20	1	DEHUMIDIFIER DH-4	16
17	DDC PANEL	1	20			0.3			-	20	1	SPARE	18
19	SPARE	1	20	-			-			20	1	SPARE	20
21	SPARE	1	20		-			-		20	1	SPARE	22
23	SPARE	1	20			-			-	-	-	SPACE ONLY	24
25	SPACE ONLY	-	-	-			-			-	-	SPACE ONLY	26
27	SPACE ONLY	-	-		-			-		-	-	SPACE ONLY	28
29	SPACE ONLY	-	-			-			-	-	-	SPACE ONLY	30
31	SPACE ONLY	-	-	-			-			-	-	SPACE ONLY	32
33	SPACE ONLY	-	-		-			-		-	-	SPACE ONLY	34
35	SPACE ONLY	-	-			-			-	-	-	SPACE ONLY	36
37	SPACE ONLY	-	-	-			-			-	-	SPACE ONLY	38
39	SPACE ONLY	-	-		-			-		-	-	SPACE ONLY	40
41	SPACE ONLY	-	-			-			-	-	-	SPACE ONLY	42
				10.0	10.0	9.1	10.0	10.0	8.8				

TOTAL (kVA) ØA 20.0 ØB 20.0 ØC 17.9 HIGH PHASE (AMPS) 166.7

TOTAL CONNECTED LOAD (kVA) 57.9 TOTAL LOAD (AMPS) 160.7

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE

MARK: 2P1A TWO SECTION

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	LTS 101,103,103A,106,111,113,115,117,120,132-134,136,136A	1	20	1.1			0.1			20	1	LTS OUTSIDE APPARATUS BAY & PATIO LTS AND FANS	2
3	LTS 102,105,125-130,135,137	1	20		1.6			1.7		20	1	FRONT SIGN & OUTSIDE LTS	4
5	LTS 104,107-110,112,114,116,118,119,121-123	1	20			1.3			1.0	20	2	POLE LTS & LTS FLAG POLE	6
7	REC RM 101,103,103A,106,110, & 120	1	20	1.4			1.0						8
9	WATER FOUNTAIN REC RM 101	1	20		1.0			1.7		20	1	LTS APPARATUS BAY	10
11	FIRE ALARM CONTROL PANEL	1	20			0.2			1.7	20	1	LTS APPARATUS BAY & ROOM 139&141-145	12
13	SPARE	1	20	-			0.8			20	1	LTS MEEZZANINE	14
15	REC RM 102	1	20		0.5			1.4		20	1	REC OFFICER 104 & 107	16
17	RADIO CHARGING STATION RM 102	1	20			0.5			1.4	20	1	REC OFFICER 108 & 109	18
19	ALERT MONITOR RM 102	1	20	0.6			0.9			20	1	REC OFFICE 105	20
21	SECURITY MONITOR RM 102	1	20		0.6			0.7		20	1	REC RM. 111, 113, 115, & 117	22
23	COPY MACHINE RM 102	1	20			1.5			1.4	20	1	REC DORM ROOM 119 & 121	24
25	REC DORM ROOM 112 & 114	1	20	1.4			0.7			20	1	REC RM 110 & 123	26
27	REC DORM ROOM 116 & 118	1	20		1.4			0.5		20	1	REC PATIO 124	28
29	REC LAUNDRY 122	1	20			0.5			0.5	20	1	REC OUTSIDE GRILL	30
31	REC WASHER LAUNDRY 122	1	20	1.6			0.5			20	1	REC TV PATIO 124	32
33	REC DRYER LAUNDRY 122*	2	30		1.5			0.5		20	1	REC WALL BOX RM 125	34
35						1.5			1.4	20	1	REC RM 125, 126, & 127	36
37	SPARE	1	20	-			0.4			20	1	REC ISLAND KITCHEN 127	38
39	SPARE	1	20		-			1.0		20	1	REC COFFEE MAKER KITCHEN 127	40
41	SPARE	1	20			-			0.5	20	1	SOUTH REC COUNTER 127	42
43	REC PANTRY 128, 129, &130	1	20	0.5			1.2			20	1	REC DISHWASHER RM 127	44
45	REC REFRIGERATOR RM 128	1	20		1.8			1.0		20	1	ICE MAKER RM 127	46
47	REC REFRIGERATOR RM 129	1	20			1.8			0.4	20	1	NORTH EAST REC COUNTER 127	48
49	REC REFRIGERATOR RM 130	1	20	1.8			1.5			20	1	REC MICROWAVE RM 127	50
51	REC RM 132-134	1	20		0.5			0.7		15	2	KITCHEN HOOD EXHAUST FAN KEH-1	52
53	REC CORRIDOR 131 & 136, RM 136A	1	20			0.7			0.7				54
55	REC OFFICE 137	1	20	0.9			0.5			20	1	REC STOVE RM 127	56
57	REC WELLNESS 135	1	20		0.9			0.8		20	1	CIRCULATION PUMP CORR 120*	58
59	REC WELLNESS	1	20			1.0			0.2	20	1	REC PANEL APPARATUS BAY	60
61	REC WELLNESS	1	20	1.0			0.2			20	1	WELLNESS 135 FANS	62
63	REC WELLNESS	1	20		1.0			-		20	1	SPARE	64
65	REC WELLNESS	1	20			1.0			-	20	1	SPARE	66
67	REC EXTERIOR EAST	1	20	0.7			-			20	1	SPARE	68
69	SPARE	1	20		-			-		20	1	SPARE	70
71	SPARE	1	20			-			-	20	1	SPARE	72
73	SPACE ONLY	-	-	-			-			-	-	SPACE ONLY	74
75	SPACE ONLY	-	-		-			-		-	-	SPACE ONLY	76
77	SPACE ONLY	-	-			-			-	-	-	SPACE ONLY	78
79	SPACE ONLY	-	-	-			-			-	-	SPACE ONLY	80
81	SPACE ONLY	-	-		-			-		-	-	SPACE ONLY	82
83	SPACE ONLY	-	-			-			-	-	-	SPACE ONLY	84
	*PROVIDE GFCI TYPE CIRCUIT BREAKER			11.0	10.8	10.0	7.8	10.0	9.2				

TOTAL (kVA) ØA 18.8 ØB 20.8 ØC 19.2 HIGH PHASE (AMPS) 173.3

TOTAL CONNECTED LOAD (kVA) 58.8 TOTAL LOAD (AMPS) 163.2

CREATE A DIRECTORY TO INDICATE INSTALLED LOADS. INDICATE LOAD TYPE (REC, LTG, AHU-1, ETC.) AND ROOM NUMBERS SERVED FOR EVERY BRANCH CIRCUIT.

PANELBOARD SCHEDULE

MARK: 2P1B TWO SECTION

CKT #	LOAD DESCRIPTION	BREAKER P	BREAKER TRIP	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	PHASE (kVA) A	PHASE (kVA) B	PHASE (kVA) C	BREAKER TRIP	BREAKER P	LOAD DESCRIPTION	CKT #
1	ICE 143	1	20	1.4			0.8			20	1	REC WORKSHOP 141, ADA 142	2
3	REC DECON 145	1	20		0.4			0.4		20	1	EAST AC REC WORKSHOP 141	4
5	SPECIAL NEMA REC DECON 145	2	30			0.5			0.4	20	1	NORTH AC REC WORKSHOP 141	6
7				0.5			0.4			20	1	REC SCBA 139	8
9	REC TRAINING 202	1	20		0.5			0.4		20	1	REC GEAR 144	10
11	REC MECHANICAL 203	1	20			0.4			0.9	15	1	FAN-POWERED HEPA FILTER FFD-1	12
13	REC STORAGE 204	1	20	0.4			1.4			30	2	SOUTH RACK SPECIAL NEMA IT 205	14
15	SOUTH EAST REC IT 205	1	20		0.8			0.4		20	1	RACK REC IT 205	16
17	WEST REC IT 205	1	20			0.8			0.8	20	1	R REC APPARATUS BAY 138	18
19	NORTH RACK SPECIAL NEMA IT 205	2	30	0.7			1.4			20	1	WASHER REC DECON 145	20
21					0.7			0.4		20	1	REC OUTSIDE	22
23	SOUTH EAST MOTORIZED ROLLING BAY DOOR	2	15			0.7			0.5				24
25				0.7			0.5			15	3	SOUTH FOLDING DOOR CONTROL PANEL	26
27	SOUTH MOTORIZED ROLLING BAY DOOR	2	15		0.7			0.5					28
29						0.7			0.5				30
31	SOUTH WEST MOTORIZED ROLLING BAY DOOR	2	15	0.7			0.5			15	3	MIDDLE FOLDING DOOR CONTROL PANEL	32
33					0.7			0.5					34
35	REC APPARATUS BAY 138	1	20			1.0			0.5				36
37	GAS DETECTION PANEL	1	20	0.2			0.5			15	3	NORTH FOLDING DOOR CONTROL PANEL	38
39	HVLS CONTROL PANEL	1	20		0.7			0.5					40
41	REC ELEC/IT 124	1	20			0.2			0.2	20	1	ACP	42
43	EF-12	2	15	0.7			0.2			15	1	AD-1	44
45					0.7			0.7		15	2	EF-10	46
47	SE CORD REEL APPARATUS	1	20			0.5			0.7				48
49	SOUTH CORD REEL APPARATUS	1	20	0.5			0.7			15	2	EF-11	50
51	SOUTH CORD REEL APPARATUS	1	20		0.5			0.7					52
53	SW CORD REEL APPARATUS	1	20			0.5			0.9				54
55	NW CORD REEL APPARATUS	1	20	0.5			0.9			15	3	HVLS-1	56
57	NORTH CORD REEL APPARATUS	1	20		0.5			0.9					58
59	NORTH CORD REEL APPARATUS	1	20			0.5			0.9				60
61	NE CORD REEL APPARATUS	1	20	0.5			0.9			15	3	HVLS-2	62
63	EF-13	2	15		0.7			0.9					64
65						0.7			0.9				66
67	AC-1	3	30	1.8			0.9			15	3	HVLS-3	68
69					1.8			0.9					70
71						1.8			0.9				72
73	SPARE	1	20	-			0.9			15	3	HVLS-4	74
75	SPARE	1	20		-			0.9					76
77	SPARE	1	20			-			-	20	1	SPARE	78
79	SPARE	1	20	-			-			20	1	SPARE	80
81	SPARE	1	20		-			-		20	1	SPARE	82
83	SPARE	1	20			-			-	20	1	SPARE	84
				8.6	8.7	8.3	10.0	8.1	8.1				

TOTAL (kVA) ØA 18.6 ØB 16.8 ØC 16.4 HIGH PHASE (AMPS) 155.0

TOTAL CONNECTED LOAD (kVA) 51.8 TOTAL LOAD (AMPS) 143.8

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07/10/2026
Harold Lynn Dell, Jr. 73914

JOB #:

DATE: 7/10/2026

E702

SCHEDULES

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TELECOMMUNICATIONS LEGEND

AC ▶ / D3 — WORK AREA OUTLET (WAO). MOUNT ON WALL AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE. SUBSCRIPTS INDICATE AS FOLLOWS:
- AC - MOUNT ABOVE COUNTER. COORDINATE WITH CASEWORK PRIOR TO ROUGH-IN.
- MF - MOUNT IN MODULAR FURNITURE. COORDINATE WITH FURNITURE PRIOR TO ROUGH-IN.
- 84" - MOUNTING HIEGHT AFF.
- W - WAO FOR ANALOG WALL PHONE. COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN.

D3V1 — WAO TYPE IDENTIFICATION TAG. THE NUMBER AFTER THE D INDICATES THE QUANTITY OF DATA/VOICE JACKS. THE NUMBER AFTER THE V INDICATES THE QUANTITY OF VIDEO JACKS. EACH JACK SHALL HAVE A DEDICATED HORIZONTAL CABLE HOMERUN. SEE TELECOMMUNICATIONS DETAILS AND NOTES FOR COLOR CODING AND OTHER OUTLET REQUIREMENTS.

FACP — FIRE ALARM CONTROL PANEL OUTLET IDENTIFICATION TAG. PROVIDE TWO RJ31X JACKS AND TWO DEDICATED HORIZONTAL CABLE HOMERUNS.

▷ — ROUGH-IN FOR WAO. MOUNT ON WALL AT 18" AFF UNLESS SUBSCRIPTED OTHERWISE. PROVIDE 1" EMT FROM ROUGH-IN BOX TO ABOVE CEILING THEN TO CABLE TRAY. TERMINATE WITH BUSHING, BOND TO TRAY AND PROVIDE PULL STRING.

Ⓢ — ROUGH-IN FOR CEILING SPEAKER BY OTHERS.

Ⓡ — ROUGH-IN FOR SPEAKER VOLUME SWITCH AT 44" AFG. PROVIDE BACK BOX WITH CONDUIT TO ACCESSIBLE CEILING.

WAP — WIRELESS ACCESS POINT

UTILITY FLOOR BOX. SEE DETAILS.

127 — CABLE TRAY. ALL CABLE TRAY SHALL BE MINIMUM 12" WIDE, WELDED STEEL WIRE TYPE CABLE TRAY WITH MINIMUM 4" DEEP SIDE-RAILS. TAG NUMBER INDICATES ESTIMATED NUMBER OF HORIZONTAL CABLES AT A PARTICULAR POINT IN THE CABLE TRAY. AT 50% FILL RATIO, 12"X4" CABLE TRAY CAN HOLD 693 CAT 5E (0.21" O.D.) CABLES OR 553 CAT 6 (0.235" O.D.) CABLES.

TELECOMMUNICATIONS GROUNDING BUSBAR (TGB). SEE DETAILS AND NOTES.

PULL BOX. SIZE AS INDICATED.
32"Wx60"Lx8"D

CONDUIT TERMINATION TO INSULATED BUSHING.

S.T.I. EZ-PATH TRIPLE PATHWAY, FIRE RATED PATHWAY.

1 — SHEET NOTE TAG.

LEADERS.

SECURITY MANAGEMENT SYSTEM:

OFOI ACCESS CONTROL SYSTEM IP FIXED CAMERA, SEE VOICE/DATA RISER DIAGRAM FOR CABLING REQUIREMENTS.

CCH — OFOI CCTV MONITORING STATION.

ACCESS CONTROL/SECURITY MANAGEMENT SYSTEM:

A — ROUGH-IN FOR ACCESS CONTROL SYSTEM CARD READER WITH KEYPAD AT 44" AFF.

ACP — ACCESS CONTROL SYSTEM CONTROL PANEL.

DC — ROUGH-IN FOR ACCESS CONTROL SYSTEM DOOR CONTACT SENSOR.

EH — ROUGH-IN FOR ACCESS CONTROL SYSTEM ELECTRIC HINGE CONNECTION.

WB — RECESSED WALL ENCLOSURE MOUNTED BEHIND TV. BASIS OF DESIGN: CHIEF PAC526FCW. COORDINATE MOUNTING LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO ROUGH-IN.

RESPONSIBILITIES & COORDINATION NOTE

THIS LIST IS NOT COMPREHENSIVE. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR ANY ADDITIONAL REQUIREMENTS SHOWN ON THE TELECOMMUNICATIONS DRAWINGS AND/OR REQUIRED TO PROVIDE A COMPLETE SYSTEM.

1. GROUNDING:
THE ELECTRICAL CONTRACTOR (EC) SHALL BE RESPONSIBLE FOR INSTALLING THE GROUNDING BUSBARS AS SHOWN ON THE DRAWINGS AND CONNECTING THEM TO THE BUILDINGS MAIN ELECTRICAL SERVICE GROUND. THE EC SHALL ALSO BE RESPONSIBLE FOR ALL BONDING BACKBONES AND GROUNDING ALL BACKBONE CONDUIT AND CABLE TRAY. THE STRUCTURED CABLING SYSTEM CONTRACTOR (SCSC) SHALL BE RESPONSIBLE FOR GROUNDING ALL RACKS, VOICE BLOCKS, PROTECTOR BLOCKS, CABLE LADDER TRAY IN COMMUNICATION ROOMS TO THE LOCAL TGB IN THE TR.

2. FIRESTOPPING:
THE EC SHALL BE RESPONSIBLE FOR FIRESTOPPING SLEEVE ASSEMBLIES TO OBTAIN A UL RATING. THE SCSC SHALL BE RESPONSIBLE FOR FIRESTOPPING INSIDE THE RACEWAYS AFTER INSTALLATION OF CABLING IS COMPLETE.

3. RACEWAYS:
THE EC SHALL BE RESPONSIBLE FOR ALL BACKBONE CONDUIT, HORIZONTAL CONDUIT, CABLE TRAYS (EXCEPT PERIMETER CABLE TRAYS AND LADDER TRAYS IN TRs) AND CABLING PATHWAYS. THIS IS TO INCLUDE ALL INTERIOR AND EXTERIOR CONDUIT, ALL WALL PENETRATIONS AND CONDUIT SLEEVES WHETHER SHOWN ON THE DRAWINGS OR AS REQUIRED TO PENETRATE FULL HEIGHT PARTITIONS AS SHOWN ON THE ARCHITECTURAL DRAWINGS. CONDUIT PATHWAYS SHALL INCLUDE ALL DEVICE BOXES, PULLBOXES, PULLTAPE, PULLSTRINGS, CONDUIT MARKINGS, ETC. PROVIDE END BUSHINGS ON ALL CONDUIT. THE SCSC SHALL BE RESPONSIBLE FOR THE FOLLOWING ITEMS IN TELECOMMUNICATIONS ROOMS ONLY: RUNWAYS, PERIMETER CABLE TRAY, D-RINGS, CABLE TIES AND/OR ANY OTHER REQUIREMENTS FOR ROUTING AND SECURING CABLE IN THE TELECOMMUNICATIONS ROOMS. THE SCSC SHALL PROVIDE ANY INNERDUCT IN BACKBONE CONDUITS AS REQUIRED IN THE SPECIFICATIONS AND DRAWINGS. WAP ENCLOSURES SHALL BE OFCI, WAP ELECTRONICS SHALL BE OFOI.

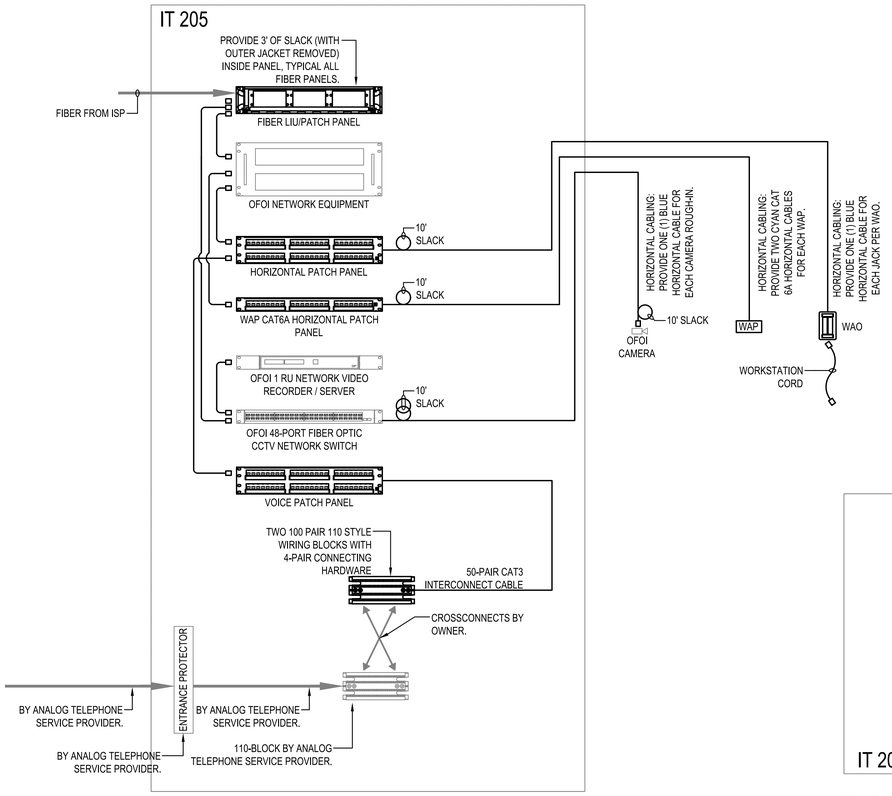
4. COMMUNICATIONS CABLING:
THE SCSC SHALL BE RESPONSIBLE FOR PROVIDING, INSTALLING, TERMINATING, TESTING AND LABELING ALL COMMUNICATIONS CABLES.

5. COMMUNICATIONS WORK AREA OUTLETS:
THE EC SHALL BE RESPONSIBLE FOR PROVIDING AND INSTALLING ALL CONDUIT AND BACKBOXES ASSOCIATED WITH THE WAOs. SCSC SHALL PROVIDE ALL CABLING, OUTLET DEVICES AND FACEPLATES.

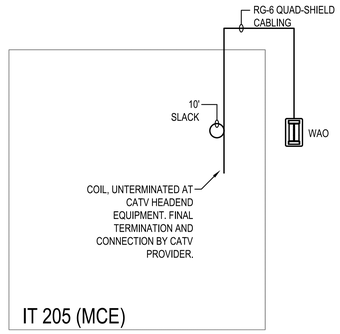
6. BACKBOARDS:
THE SCSC SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL BACKBOARDS AS SHOWN ON THE DRAWINGS AND AS REQUIRED TO PROVIDE A COMPLETE SYSTEM. THE EC SHALL BE RESPONSIBLE FOR ROUGH-IN OF ELECTRICAL CONDUIT PRIOR TO INSTALLATION OF BACKBOARDS. ALL POWER CONDUIT SHALL BE CONCEALED IN WALL BEHIND ALL BACKBOARDS. BACKBONE CONDUIT SHALL BE EXPOSED.

ABBREVIATIONS

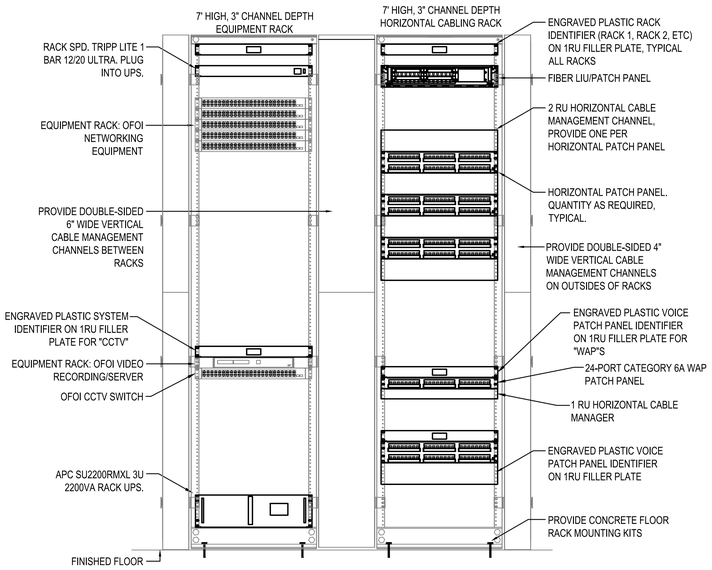
A	AMPS
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
BLDG	BUILDING
C	CONDUIT
C/L	CENTERLINE
CLG	CEILING
CU	COPPER
EC	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
EGC	EQUIPMENT GROUNDING CONDUCTOR
EMGB	ELECTRICAL MAIN GROUNDING BUSBAR
EX	EXISTING TO REMAIN
EMT	ELECTRICAL METALLIC TUBING
FACP	FIRE ALARM SYSTEM CONTROL PANEL
FLR	FLOOR
GND	GROUND
GEC	GROUNDING ELECTRODE CONDUCTOR
ISP	INTERNET SERVICE PROVIDER
JB	JUNCTION BOX
MCE	MAIN COMMUNICATIONS EQUIPMENT ROOM
M/M	MULTIMODE
MNT	MOUNTING HEIGHT
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
OFOI	OWNER FURNISHED OWNER INSTALLED
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
RM	ROOM
RGS	RIGID GALVANIZED STEEL CONDUIT
RNC	RIGID NON-METALLIC CONDUIT
SCSC	STRUCTURED CABLING SYSTEM CONTRACTOR
S/M	SINGLEMODE
TBB	TELECOMMUNICATIONS BONDING BACKBONE
TR	TELECOMMUNICATIONS ROOM
TGB	TELECOMMUNICATIONS GROUNDING BUSBAR
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
TYP	TYPICAL
UFR	UNDERFLOOR RACEWAY
UL	UNDERWRITERS' LABORATORIES
UNO	UNLESS NOTED OTHERWISE
V	VOLT
VA	VOLT-AMPERES
W	WATTS
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF



1 DATA RISER DIAGRAM
NOT TO SCALE



2 VIDEO RISER DIAGRAM
NOT TO SCALE



3 ROOM 205 RACK ELEVATIONS
NOT TO SCALE

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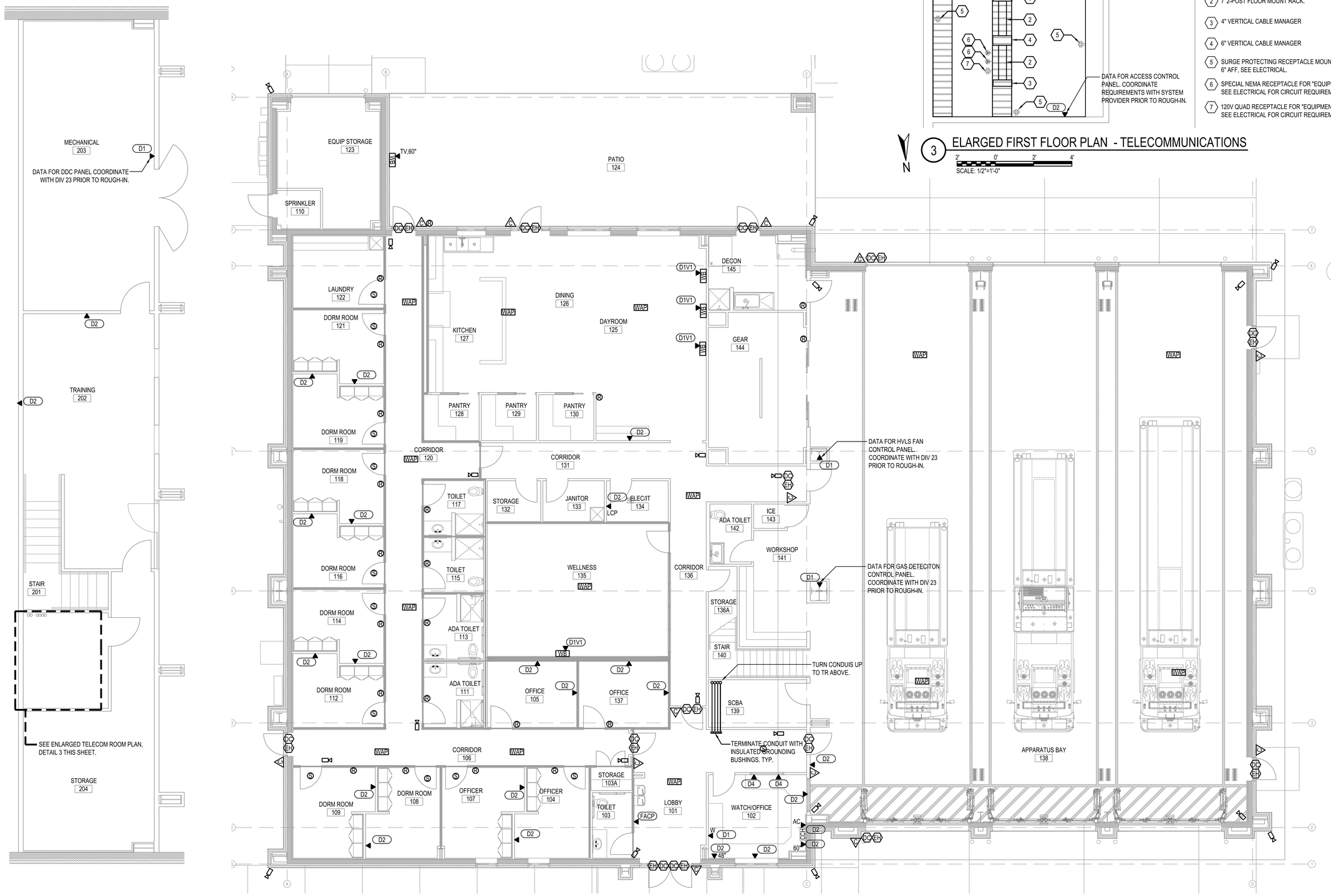
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JOB #:
DATE: 7/10/2026

T001

LEGEND, NOTES, & ABBREVIATIONS

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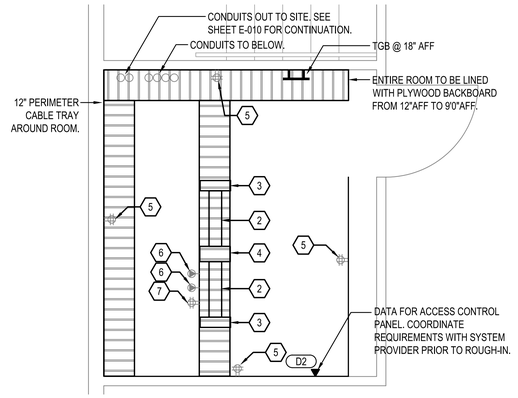


1 MEZZANINE PLAN

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

2 FIRST FLOOR PLAN

SCALE: 3/16"=1'-0"



3 ELARGED FIRST FLOOR PLAN - TELECOMMUNICATIONS

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

SHEET NOTES

1. WAO FOR OFOI DIGITAL SIGNAGE. COORDINATE EXACT LOCATION WITH ARCH PRIOR TO ROUGH-IN.
2. 7' 2-POST FLOOR MOUNT RACK.
3. 4" VERTICAL CABLE MANAGER
4. 6" VERTICAL CABLE MANAGER
5. SURGE PROTECTING RECEPTACLE MOUNT BELOW BACKBOARD AT 6" AFF, SEE ELECTRICAL.
6. SPECIAL NEMA RECEPTACLE FOR "EQUIPMENT" RACK, SEE DETAILS. SEE ELECTRICAL FOR CIRCUIT REQUIREMENTS.
7. 120V QUAD RECEPTACLE FOR "EQUIPMENT" RACK, SEE DETAILS. SEE ELECTRICAL FOR CIRCUIT REQUIREMENTS.

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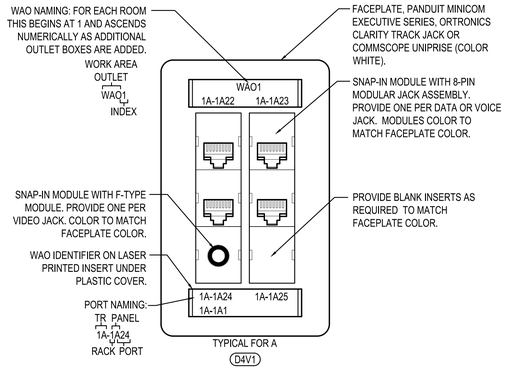
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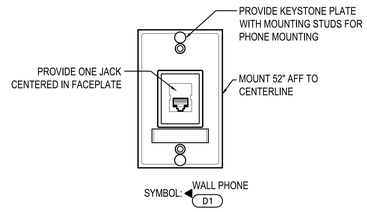
FLOOR PLANS – TELECOM

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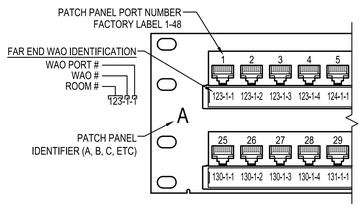
1 WAO FACEPLATE DETAIL

NOT TO SCALE



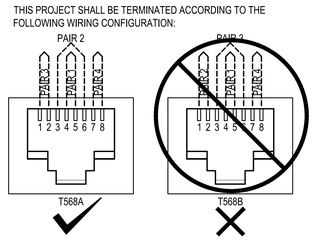
2 WALL PHONE FACEPLATE DETAIL

NOT TO SCALE



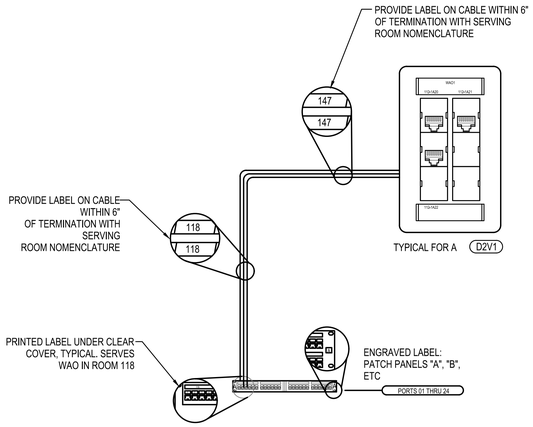
3 PATCH PANEL LABELING DETAIL

NOT TO SCALE



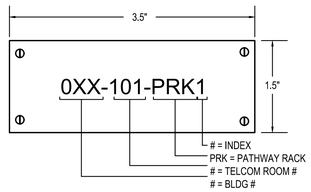
4 WIRING TERMINATION STYLE DETAIL

NOT TO SCALE



5 TYPICAL WIRE LABLING DETAIL

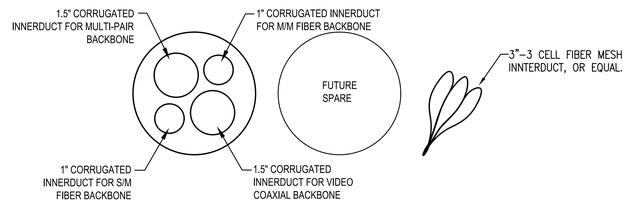
NOT TO SCALE



ENGRAVED PLASTIC TAG WITH ⅛" BLACK LETTERS ON WHITE BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME SCREWS, ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED.

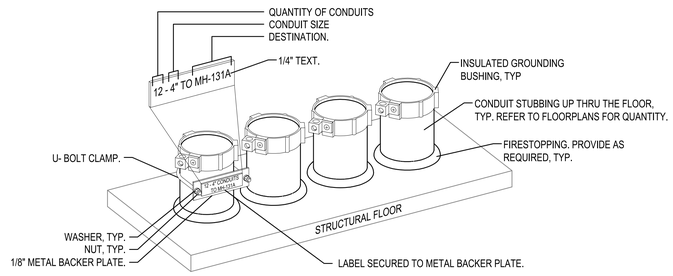
6 TYPICAL RACK LABEL DETAIL

NOT TO SCALE



7 TYPICAL 3-4" INTRABUILDING BACKBONE RACEWAY SECTION

NOT TO SCALE

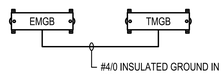


NOTE:
1. THE U-BOLT CLAMP SHALL BE TIGHTEN DOWN TO THE CONDUIT ENOUGH TO HAVE A TIGHT FIT BUT NOT SO TIGHT THAT IT JEOPARDIZES THE INTEGRITY OF THE CONDUIT.
2. EACH GROUP OF CONDUITS THAT SHARE THE SAME CONDUIT SIZE AND DESTINATIONS SHALL HAVE THEIR OWN LABEL. DO NOT PUT MULTIPLE GROUPS OR MULTIPLE SIZE CONDUITS ON THE SAME LABEL.

ENGRAVED PLASTIC TAG WITH 1/4" BLACK LETTERS ON WHITE BACKGROUND. TAG SHALL HAVE ALL EDGES BEVELED AND SMOOTH. SECURE TAG WITH 4 CHROME SCREWS. ADHESIVE BACKING, TAPE, ETC IS NOT ALLOWED.

8 TYPICAL LABELING DETAIL - THRU FLOOR PENETRATION

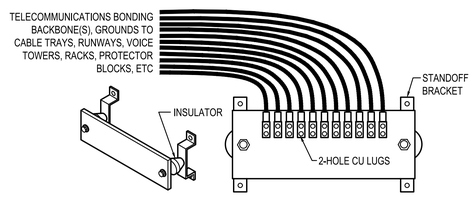
NOT TO SCALE



ALL TBB CABLES SHALL BE IN EMT (MINIMUM SIZE IS 1"), PROVIDE GROUNDING BUSHINGS ON EACH END AS REQUIRED. ROUTE GROUNDING BACKBONES PARALLEL TO CABLING BACKBONE RACEWAYS.

9 TELCOM GROUNDING SYSTEM RISER

NOT TO SCALE



HARGER GBI144XXTMGB(OR EQUAL) 1/4" THICK, 4" HIGH, LENGTH AS INDICATED. MEETS ANSI 607A STANDARDS (HOLES NOT SHOWN, USE 2-HOLE CU LUGS FOR CABLES)
BUSBAR LENGTHS:
TMGB=24" LONG MINIMUM
TGB'S=12" LONG MINIMUM

10 TMGB/TGB DETAIL

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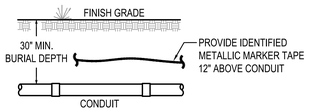
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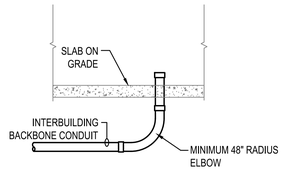
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DETAILS

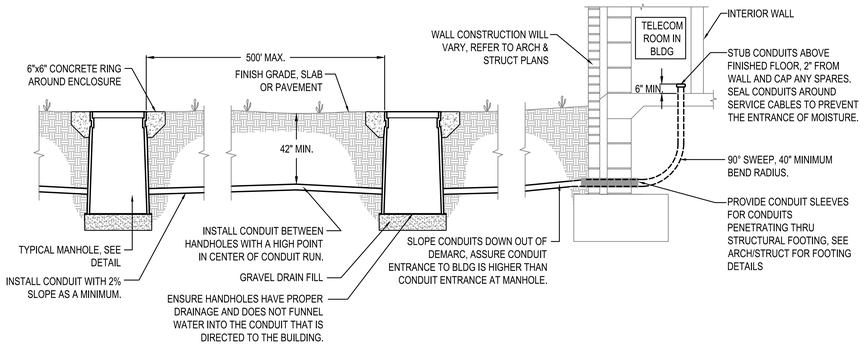
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1 BURIED CONDUIT DETAIL
NOT TO SCALE

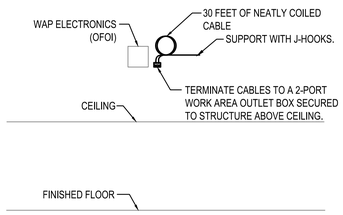


2 TELECOM CONDUIT FROM BELOW GRADE DETAIL
NOT TO SCALE

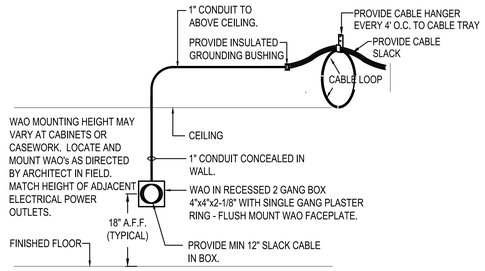


3 TYPICAL UNDERGROUND CONDUIT SLOPE PROFILE
NOT TO SCALE

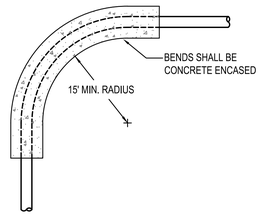
4 TR CABLE ROUTING & SUPPORT DETAIL
NOT TO SCALE



5 TYPICAL WAP DETAIL
NOT TO SCALE



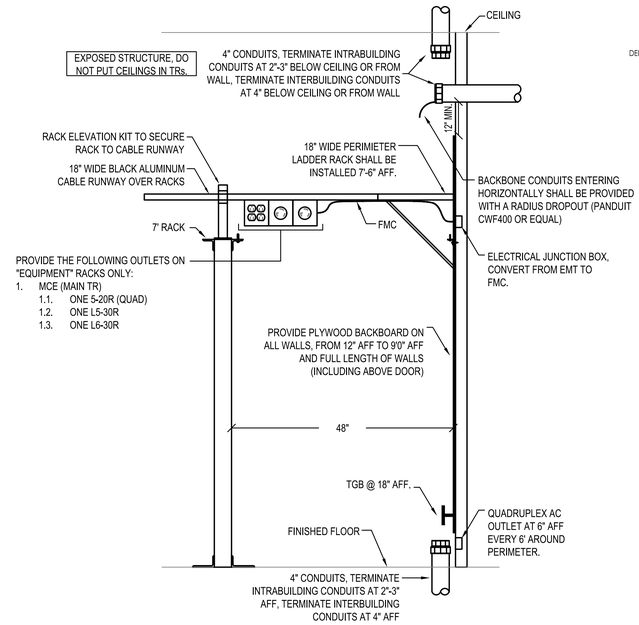
6 TYPICAL WAO MOUNTING DETAIL
NOT TO SCALE



7 BURIED CONDUIT BEND DETAIL
NOT TO SCALE

NOTE: ALL CONDUIT AND CABLING IS CONCEALED.

8 TYPICAL ELECTRIC LOCK W/ READER (SINGLE DOOR SIMILAR)
NOT TO SCALE



9 MCE/TR SECTION DETAIL
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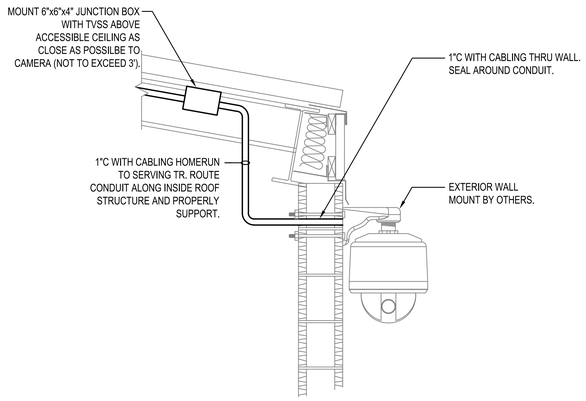
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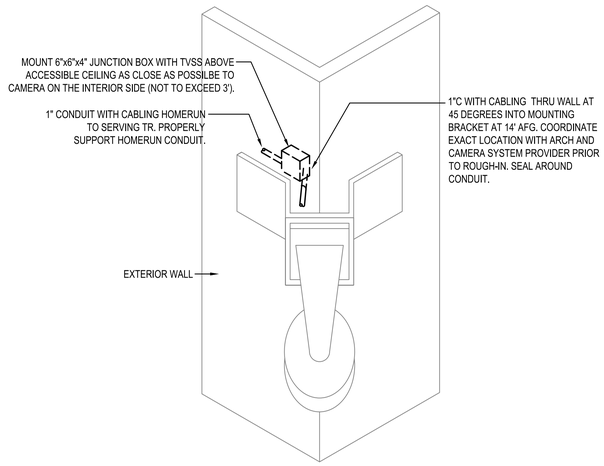
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1 CAMERA MOUNTING DETAIL - CMU

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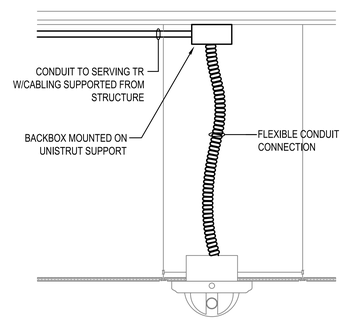
NOTES:

1. CONTRACTOR SHALL INSTALL EQUIPMENT (BRACKETS, MOUNTS, CONDUITS, CAMERA, ETC.) TO THE MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.

2. PENETRATIONS AND CONNECTIONS SHALL HAVE A WATER TIGHT SEAL.

2 CAMERA MOUNTING DETAIL - CORNER MOUNT

NOT TO SCALE



3 CAMERA MOUNTING DETAIL - LAY-IN CEILING

NOT TO SCALE

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