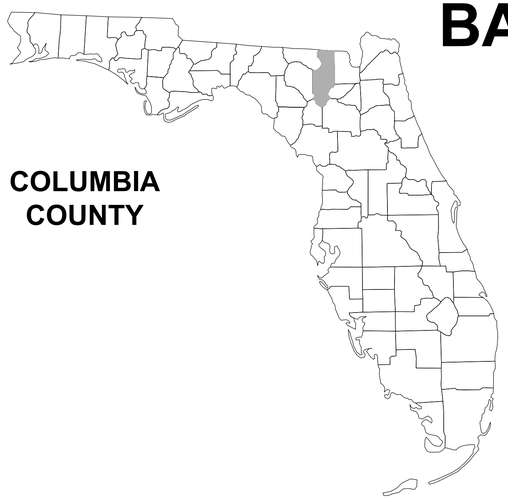
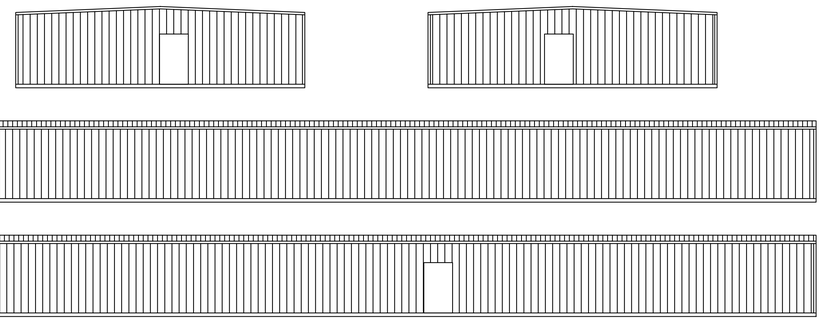
BAYA DRIVE MINI STORAGE EXPANSION
COLUMBIA COUNTY, FL



COLUMBIA COUNTY

BUILDING INFORMATION	
2023 FLORIDA BUILDING CODE	
USE & OCCUPANCY CLASSIFICATION (CHAPTER 3)	STORAGE, GROUP S-2
ALLOWABLE BUILDING HEIGHT & # OF STORIES (SECTION 504)	60 FT - 2 STORIES
ALLOWABLE BUILDING AREA (SECTION 506)	13,500 SQ. FT.
TYPE OF CONSTRUCTION (SECTION 602)	TYPE III-B
OCCUPANT LOAD (SECTION 1004) TOTAL AREA = 5,042 SQ.FT. STORAGE: 300 GROSS = 5,042 SQ.FT./ 300 = 16.8 TOTAL OCCUPANT LOAD: 17 PERSONS	
DESIGN WIND SPEED (RISK CATEGORY - II)	120 MPH

SHEET INDEX



Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

PLANS PREPARED FOR:

MINI STORAGE AND RECORD STORAGE OF LAKE CITY
442 SW SAINT MARGARET ST
LAKE CITY, FL 32025
386-752-7092

09/2025

FOR CONSTRUCTION

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356
1450 SW STATE ROAD 47 LAKE CITY, FL 32025 WWW.NFPS.NET CA# 29011

JOB NUMBER: L250310MIN
EOR: ROBERT PHILLIP BISHOP JR. P.E. NO.: 38546

COVER SHEET

SHEET NO. 1

Robert P Bishop

Digitally signed by Robert P Bishop
DN: CN=Robert P Bishop, dnQualifier=A01410D0000001872413ECF1000636D7, O=NORTH FLORIDA PROFESSIONAL SERVICES INC., C=US
Date: 2025.09.17 17:34:08-04'00'

ROBERT PHILLIP BISHOP JR. LICENSE No. 38546 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY ROBERT PHILLIP BISHOP 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.

NORTH FLORIDA PROFESSIONAL SERVICES INC.
P.O. BOX 3823
LAKE CITY, FL 32056
CERTIFICATE OF AUTHORIZATION: 29011
ROBERT PHILLIP BISHOP JR., P.E. NO. 38546

THE ABOVE NAMED PROFESSIONAL ENGINEER SHALL BE RESPONSIBLE FOR THE FOLLOWING SHEETS IN ACCORDANCE WITH RULE 61G15-23.004, F.A.C.

SHEET INDEX

David M Crapps

Digitally signed by David M Crapps
Date: 2025.09.17 10:20:00-04'00'

DAVID M. CRAPPS LICENSE No. 60989 STATE OF FLORIDA PROFESSIONAL ENGINEER

THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY DAVID M. CRAPPS ON THE DATE ADJACENT TO THE SEAL.

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NORTH FLORIDA PROFESSIONAL SERVICES INC.
P.O. BOX 3823
LAKE CITY, FL 32056
CERTIFICATE OF AUTHORIZATION: 29011
DAVID M. CRAPPS, P.E. NO. 60989

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SHEET INDEX

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REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 — 1450 SW STATE ROAD 47
LAKE CITY, FL 32056 — LAKE CITY, FL 32025
PH. 386-752-4675 — WWW.NFPS.NET
LIC NO. LB8356 — CA# 29011

JOB NUMBER: L250310MIN
EOR: ROBERT PHILLIP BISHOP JR.
P.E. NO.: 38546

SIGNATURE SHEET

BAYA DRIVE MINI STORAGE EXPANSION
COLUMBIA COUNTY, FL

SHEET NO. 2

Grace Pearson 9/10/2025 4:28:09 PM X:\2025\L250310MIN\H.CADD\Structure\KEYSRD01_BUILDINGS A & B.dwg

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND DETAILS SHOWN. NOTIFY THE ENGINEER OF ANY CHANGES OR MODIFICATIONS TO THE PLANS.

2. ALL CONSTRUCTION, EQUIPMENT AND FINISHES SHALL MEET OR EXCEED ALL LOCAL CODES, FLORIDA BUILDING CODE, NFPA 101 LIFE SAFETY CODE, NATIONAL ELECTRIC CODE, AND ALL OTHER GOVERNING CODES AND REVISIONS.

3. DO NOT USE ANY MATERIALS CONTAINING ASBESTOS.

4. SEE OWNERS PRE-FABRICATED METAL BUILDING PLANS FOR DIMENSIONS AND LOCAITONS OF STRUCTURAL ELEMENTS.

5. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AT THE JOB SITE TO INSURE THAT ALL NEW WORK WILL FIT IN THE MANNER INTENDED AND ON THE PLANS. SHOULD ANY CONDITIONS EXIST THAT ARE CONTRARY TO THOSE SHOWN ON THE PLANS, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF SUCH DIFFERENCES IMMEDIATELY AND PRIOR TO PROCEEDING WITH THE WORK.

6. ANY WOOD OR TIMBER THAT COMES IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.

7. SEE STRUCTURAL DRAWINGS FOR ALL SIZES, SHAPES AND CONDITIONS OF ALL STRUCTURAL MEMBERS, CONNECTIONS FOOTINGS, BRACING, AND REINFORCING.

8. ALL INTERIOR FINISHES SHALL MEET THE REQUIREMENTS OF THE FLORIDA BUILDING CODE AND LIFE SAFETY CODE, NFPA 101 SECTOIN 7.14.

9. ALL FLOOR FINISHES SHALL BE LEVEL AND SHALL AVOID ANY CHANGES IN ELEVATION GREATER THAN 1/2" INCLUDING DOOR THRESHOLDS AND STEP DOWNS AT EXTERIOR AND INTERIOR DOORS.

10. FOUNDATION WATER-PROOFING AND MOISTURE BARRIER TO CONSIST OF 6-MIL PLASTIC POLYETHYLENE. ALL LAPS SHALL BE A MINIMUM OF 12".

11. FINAL LOCATION, SIZE AND PLACEMENT OF ALL PLUMBING, ELECTRICAL AND MECHANICAL COMPONENTS SHALL BE DETERMINED BY A LICENSED ELECTRICAL OR MECHANICAL CONTRACTOR IN ACCORDANCE WITH CHAPTER 471 FLORIDA STATUTES.

ELECTRICAL NOTES

1. THIS TRADE SHALL COORDINATE FULLY WITH ALL OTHER TRADES ASSOCIATED WITH THIS PROJECT TO VERIFY THE LOCATION AND ELEVATION OF ALL EQUIPMENT, PIPES, CONDUITS, AND DUCTS TO PREVENT CONFLICTS DURING CONSTRUCTION. ANY RELOCATION OR REROUTING OF EQUIPMENT, PIPES, CONDUITS, OR DUCT RESULTED FROM A LACK OF COORDINATION BETWEEN TRADES SHALL BE AT THE CONTRACTORS EXPENSE.

2. EQUIPMENT ROUGH-INS ARE ACCURATE TO THE BEST OF THE DESIGNERS KNOWLEDGE, HOWEVER IN SOME INSTANCES THE OWNER OR SUPPLIER MAY SUBSTITUTE OR THE EQUIPMENT ITEM MAY VARY FROM WHAT IS SHOWN ON THE PLANS. THE CONTRACTOR OR HIS TRADESMAN SHALL VERIFY ALL CRITICAL DIMENSIONS WITH THE OWNER OR SUPPLIER PRIOR TO BEGINNING CONSTRUCTION. FAILURE OF THE CONTRACTOR TO VERIFY THESE DIMENSIONS SHALL PLACE THE RESPONSIBILITY FOR ANY SUBSEQUENT RELOCATION DIRECTLY ON THE CONTRACTOR.

3. THE SUBMISSION OF A PROPOSAL BY THE CONTRACTOR OR A TRADESMAN SHALL BE CONSTRUED AS EVIDENCE THAT THE CONTRACTOR OR TRADESMAN HAS FAMILIARIZED HIMSELF WITH THE PLANS AND EXISTING SITE CONDITIONS. ANY SUBSEQUENT CLAIMS FOR AN INCREASE IN THE COST OF MATERIALS AND/OR LABOR RESULTING FROM DIFFICULTIES THAT COULD HAVE BEEN REASONABLE FORESEEN HAD A PROPER EXAMINATION BEEN MADE WILL BE DENIED.

4. THE CONTRACTOR AND HIS TRADES SHALL VISIT THE SITE AND THOROUGHLY INSPECT ALL EXISTING CONDITIONS TO ASSURE THAT THE WORK REPRESENTED IN THE PLANS AND SPECIFICATIONS AND EQUIPMENT PURCHASED WILL FIT INTO THE SPACE ALLOCATED AND CAN BE INSTALLED AS INDICATED.

5. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, LICENSES, DOCUMENTS AND SERVICES RELATED TO THE INSTALLATION OF THE WORK.

6. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL CODES HAVING JURISDICTION.

7. THE CONTRACTOR SHALL PROVIDE A COMPLETE ELECTRICAL SYSTEM TO INCLUDE LABOR, MATERIALS (INCLUDING BULBS), EQUIPMENT AND TOOLS NECESSARY FOR A COMPLETELY OPERATIONAL SYSTEM, INCLUDING ANY APPURTENANCES CUSTOMARILY INCLUDED IF NOT SPECIFICALLY CALLED OUT. AT THE COMPLETION OF THE INSTALLATION, THE ELECTRICAL CONTRACTOR SHALL THOROUGHLY TEST THE SYSTEM TO ENSURE IT IS OPERATING PROPERLY.

8. THE COMPLETED INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND ALL APPLICABLE INDUSTRY STANDARDS.

9. ALL ELECTRICAL WORK SHALL BE LOCATED SO AS TO AVOID CONFLICT WITH OTHER TRADES AND PROVIDE ADEQUATE CLEARANCES FOR THE ARCHITECTURAL DESIGN ELEMENTS AND PROPER OPERATION AND MAINTENANCE OF ALL EQUIPMENT.

10. THE ELECTRICAL CONTRACTOR SHALL PROVIDE A STATUTORY AFFIDAVIT AS PROVIDED BY THE OWNER. HE SHALL WARRANT AND GUARANTEE ALL HIS MATERIALS AND WORKMANSHIP FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF ACCEPTANCE.

11. ALL WIRING SHALL BE COPPER.

12. ALL PANELS, DISCONNECTS, WIRING, & CONDUIT TO BE SIZED BY A LICENSED ELECTRICAL CONTRACTOR.

13. BATTERY BACKUP TO BE PROVIDED & INSTALLED BY ELECTRICAL CONTRACTOR

14. PROVIDE FIRESTOP CAULKING @ ALL FIREWALL PENETRATIONS.

STRUCTURAL NOTES

1. ALL WORK HAS BEEN DESIGNED FOR THE FOLLOWING LOADS AND SPECIFICATIONS APPLIED IN ACCORDANCE WITH THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE AND ACI 318.

STRUCTURAL DESIGN CRITERIA

LIVE LOADS:	ROOF	20 PSF
	FLOOR	100 PSF
WIND DESIGN:	WIND SPEED:	130 MPH
INFORMATION	RISK CATEGORY:	II
	EXPOSURE:	B

SOIL BEARING = 2500 PSI

ASSUMED ALLOWABLE SOIL BEARING PRESSURE AFTER COMPACTION: CONTRACTOR SHALL PROVIDE SOIL REPORTS PRIOR TO CONSTRUCTION. IF SOIL CONDITIONS IN THE PROJECT DO NOT MEET OR EXCEED THE GENERAL CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO FOUNDATION POUR FOR VERIFICATION OF FOUNDATION DESIGN. CONSULT STEEL MANUFACTURER DRAWINGS FOR ADDITIONAL DESIGN CRITERIA

CONCRETE NOTES

1. FILL AND COMPACTION: ALL FILL MATERIAL SHALL BE CLEAN, WELL DRAINED SAND WITH NOT MORE THAN 10% PASSING THE NO. 200 STANDARD SIEVE. ALL FILL MATERIAL SHALL BE COMPACTED TO 95% OF THE MODIFIED MAXIMUM DRY DENSITY AS DETERMINED BY ASTM T-180.

2. CONCRETE COMPRESSIVE STRENGTH AND SLUMP:
THE MINIMUM 28-DAY COMPRESSIVE STRENGTH AND SLUMP OF CONCRETE SHALL BE AS FOLLOWS:
FOUNDATIONS AND FLOOR SLAB: FC'= 3000 PSI SLUMP: 2"-5"
SIDEWALKS AND CONCRETE PAVEMENT: FC'= 2500 PSI SLUMP: 3"-6"

3. ALL CONCRETE SHALL BE MIXED IN ACCORDANCE WITH THE LATEST EDITIONS OF ACI 315 AND ACI 318.

4. REINFORCING STEEL: ALL LAP SPLICES SHALL BE A MINIMUM OF 24" OR AS SPECIFIED ON THE PLANS. REINFORCING STEEL BARS - ASTM A-615 GRADE 40 WELDED WIRE FABRIC - ASTM A-185

5. UNLESS OTHERWISE NOTED ON THE PLANS, ALL SLABS ON GRADE SHALL BE REINFORCED WITH ONE LAYER OF 6X6X10/10 WELDED WIRE FABRIC PLACED AT 1/3 THE THICKNESS OF THE SLAB FROM THE BOTTOM OF THE SLAB.

REVISIONS	
DATE	DESCRIPTION

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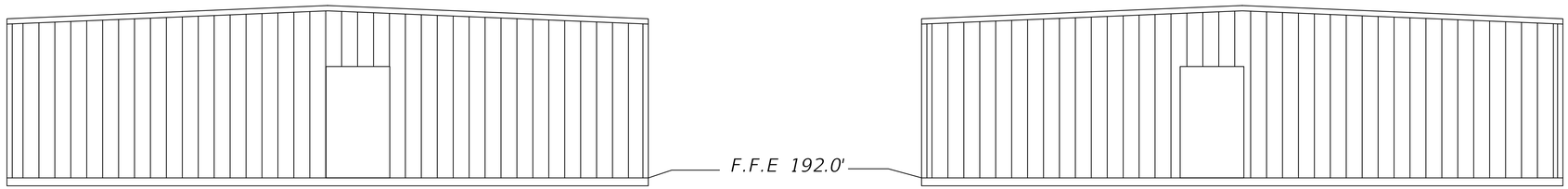
PH. 386-752-4675
LIC NO. LB8356
1450 SW STATE ROAD 47
LAKE CITY, FL 32025
WWW.NFPS.NET
CA# 29011

JOB NUMBER: L250310MIN
EOR: ROBERT PHILLIP BISHOP JR.
P.E. NO.: 38546

GENERAL NOTES
BAYA DRIVE MINI STORAGE EXPANSION
COLUMBIA COUNTY, FL

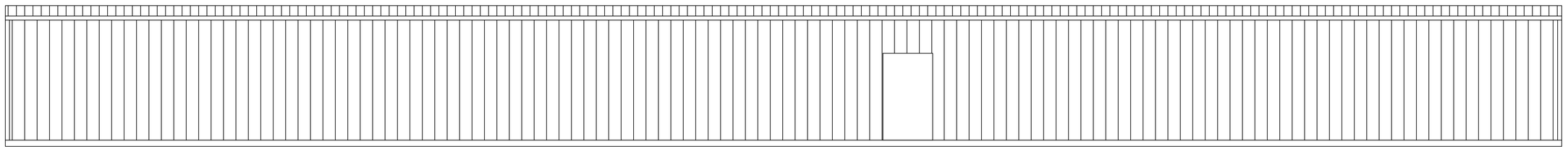
SHEET NO. 3



WEST

EAST

SOUTH



NORTH

BUILDING "A & B" ELEVATIONS
SCALE: 1" = 100'

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356
1450 SW STATE ROAD 47 LAKE CITY, FL 32025 WWW.NFPS.NET CA# 29011

JOB NUMBER: L250310MIN
EOR: ROBERT PHILLIP BISHOP JR.
P.E. NO.: 38546

BUILDING A & B ELEVATIONS
BAYA DRIVE MINI STORAGE EXPANSION
COLUMBIA COUNTY, FL

SHEET NO. 4

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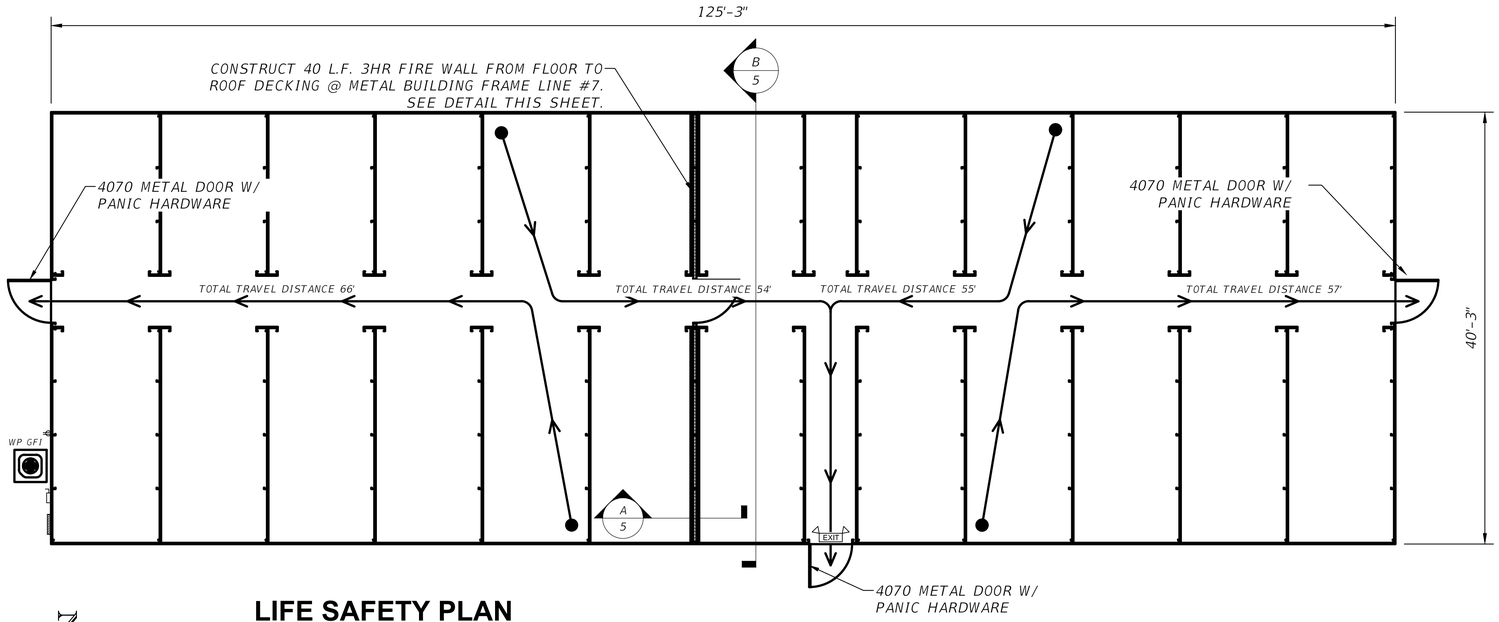
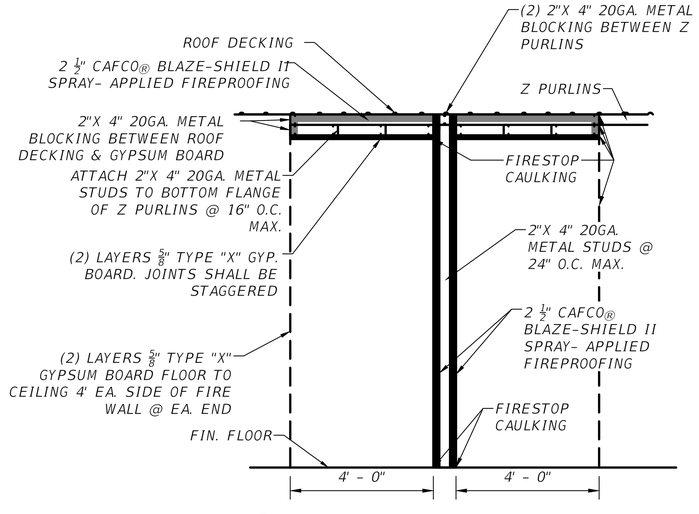
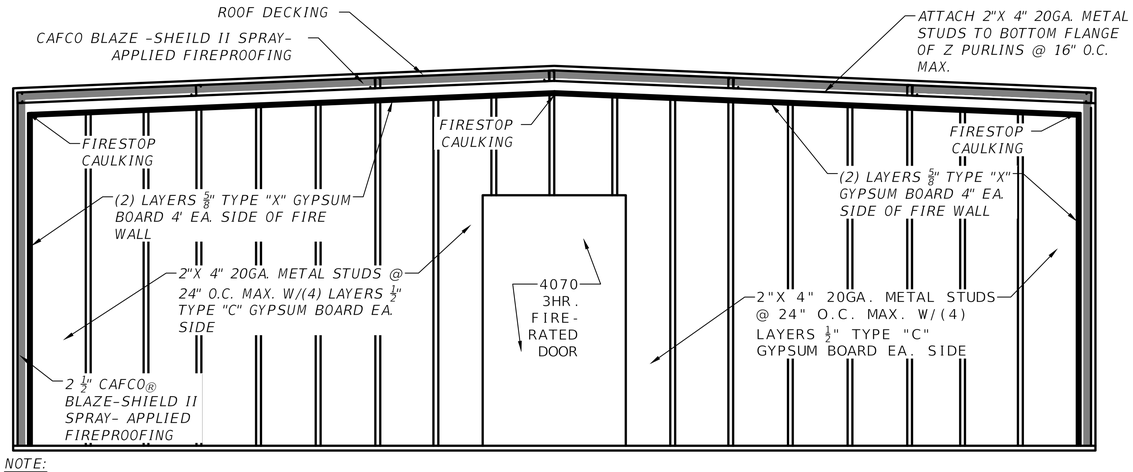


LIFE SAFETY PLAN
SCALE: 3/4" = 1'

MEANS OF EGRESS FBC CHAPTER 10		
OCCUPANCY CLASSIFICATION	UNSPRINKLERED & UNPROTECTED	
GROUP S-2	REQUIRED	PROVIDED
EXIT ACESS TRAVEL DIST (FBC 1017)	300 FT	66FT
MAX DEAD-END CORRIDOR (FBC 1020)	20 FT	NONE
TOTAL # OF EXITS (FBC 1006)	2	3
MIN WIDTH OF EXIT ACESS (FBC 1020)	36"	57"
MIN EXIT DOOR WIDTH (FBC1010)	32"	48"



A / 5 FIRE WALL SECTION
SCALE: 1/4" = 1'



NOTE:
1. PROVIDE FIRESTOP CAULKING @ ALL FIRE WALL PENETRATIONS

B / 5 FIRE WALL SECTION
SCALE: 1/4" = 1'

NOTE:
BUILDING "B" IS TO BE CONSTRUCTED IN A MANNER IDENTICAL TO BUILDING "A", BUT MIRRORED TO THE WEST (REFER TO SITE PLAN)

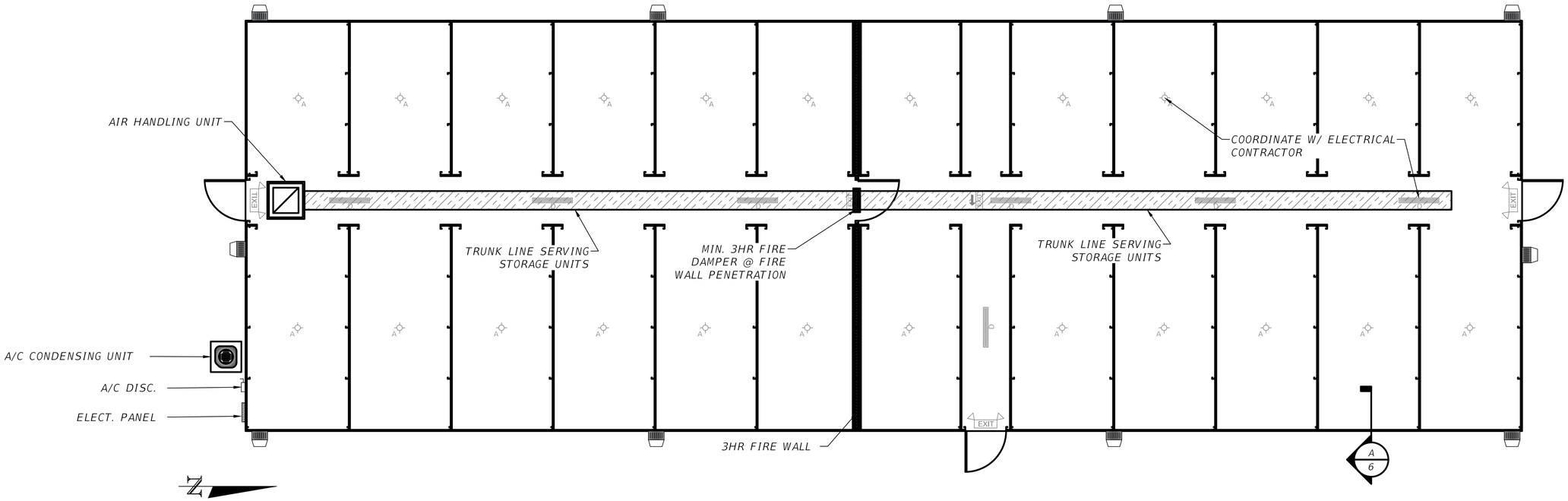
REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823, LAKE CITY, FL 32056, PH. 386-752-4675, LIC NO. LB8356
1450 SW STATE ROAD 47, LAKE CITY, FL 32025, WWW.NFPS.NET

JOB NUMBER: L250310MIN
EOR: ROBERT PHILLIP BISHOP JR.
P.E. NO.: 38546

LIFE SAFETY PLAN - BUILDING A
BAYA DRIVE MINI STORAGE EXPANSION
COLUMBIA COUNTY, FL

SHEET NO. 5

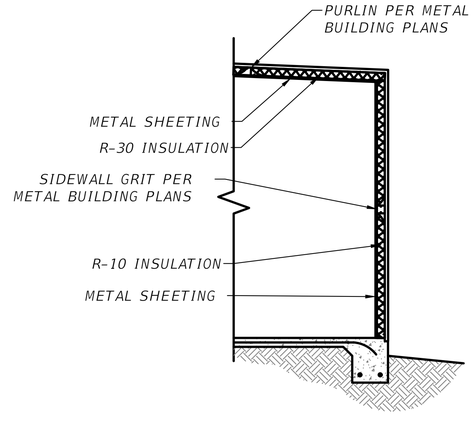


HVAC PLAN BLDG. A
SCALE: 3/32" = 1'

(BLDG. B IS OPPOSITE HAND, SEE NOTE BELOW)

HVAC NOTE:

1. *HVAC CONTRACTOR SHALL SIZE CONDENSING UNIT, AIR HANDLER, DUCT SYSTEM, AND DIFFUSERS. PROVIDE AS-BUILT DUCT LAYOUT WITH SIZING TO THE OWNER.*
2. *CONTRACTOR TO PROVIDE MANUAL N WITH ALL ENERGY EFFICIENCY CALCULATIONS REQUIRED BY THE PERMITTING AUTHORITY.*
3. *DUCT SMOKE DETECTORS SHALL BE WIRED TO SHUT DOWN UPON DETECTION OF SMOKE.*
4. *ANY FIRE WIRE PENETRATIONS IN ADDITION TO THE FIRE DAMPER SHALL BE SEALED WITH FIRESTOP CAULK*



A/6 **EXTERIOR WALL INSULATION (TYP.)**
SCALE: 3/16" = 1'

NOTE:
BUILDING "B" IS TO BE CONSTRUCTED IN A MANNER IDENTICAL TO BUILDING "A", BUT MIRRORED TO THE WEST (REFER TO SITE PLAN)

REVISIONS	
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P.E. NO.: 38546

HVAC - BUILDING A
BAYA DRIVE MINI STORAGE EXPANSION
COLUMBIA COUNTY, FL

SHEET NO. 6

LIGHT FIXTURE NOTE:

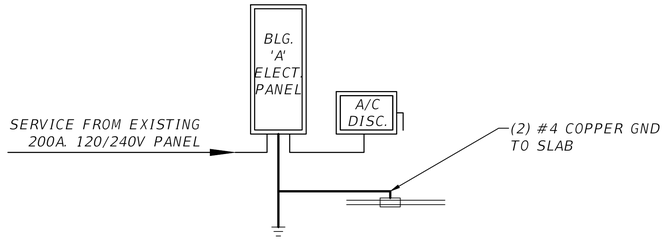
A. *LIGHT FIXTURE AS CHOSEN BY OWNER, CONTROLLED BY SINGLE SWITCH W/ TIMER*

B. *ILLUMINATED EXIT SIGN W/ EMERGENCY LIGHTS WIRED TO EMERGENCY BATTERY BACKUP*

C. *ILLUMINATED EXIT SIGN W/ DIRECTION ARROWS AS SHOWN*

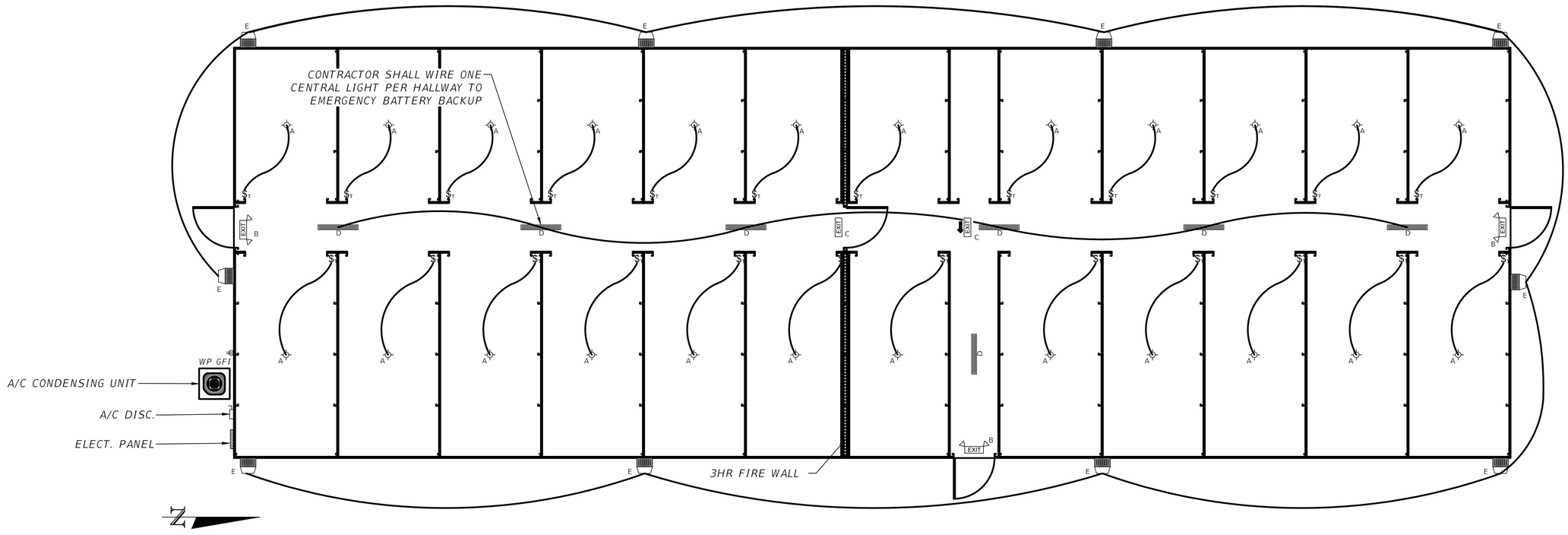
D. *48" LED LINEAR LIGHT WIRED TO MOTION SENSOR W/ TIMER WALL MOUNT WHERE POSSIBLE & COORDINATE LOCATIONS W/ HVAC CONTRACTOR*

E. *EXTERIOR LED FLOOD LIGHT WIRED TO SINGLE PHOTOCELL. PHOTOCELL LOCATION TO BE CHOSEN BY ELECTRICAL CONTRACTOR.*



ELECTRIC RISER DIAGRAM
SCALE: N.T.S.

ELECTRICAL LEGEND	
TYPE	DESCRIPTION
	STANDARD DUPLEX RECEPTACLE
GFI	GROUND FAULT INTERRUPTER RECEPTACLE
$	STANDARD SINGLE POLE SWITCH
$T	SINGLE POLE SWITCH W/ TIMER
	LIGHT FIXTURE
	SMOKE DETECTOR
	DISCONNECT (SIZE VARIES)
	LED LINEAR LIGHT
	ELECTRICAL PANEL
EXIT	ILLUMINATED EXIT SIGN W/ EMERGENCY LIGHT
EXIT	ILLUMINATED EXIT SIGN
FE	FIRE EXTINGUISHER (RECESSED) – TYPE ABC, 5 LBS MINIMUM



NOTE:
BUILDING "B" IS TO BE CONSTRUCTED IN A MANNER IDENTICAL TO BUILDING "A", BUT MIRRORED TO THE WEST (REFER TO SITE PLAN)

ELECTRICAL PLAN BLDG. A
SCALE: 3/32" = 1'

(BLDG. B IS OPPOSITE HAND, SEE NOTE THIS SHEET)

REVISIONS	
DATE	DESCRIPTION

NORTH FLORIDA PROFESSIONAL SERVICES, INC.
P.O. BOX 3823 LAKE CITY, FL 32056 PH. 386-752-4675 LIC NO. LB8356
1450 SW STATE ROAD 47 LAKE CITY, FL 32025 WWW.NFPS.NET

JOB NUMBER: L250310MIN
EOR: ROBERT PHILLIP BISHOP JR.
P.E. NO.: 38546

ELECTRIC PLAN - BUILDING A
BAYA DRIVE MINI STORAGE EXPANSION
COLUMBIA COUNTY, FL

SHEET NO. 7

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE SITE AND SHALL NOTIFY THE ENGINEER OF DISCREPANCIES BETWEEN THE ACTUAL CONDITIONS AND INFORMATION SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.

2. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE COMPLETE DESIGN OF THE STRUCTURE. THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN, OR OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO BRACING, SHORING FOR EARTH BANKS, FORMS, SCAFFOLDING, PLANKING, SAFETY NETS, SUPPORT AND BRACING FOR CRANES AND GIN POLES.

3. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING AND SHORING OF ALL STRUCTURAL MEMBERS AS REQUIRED FOR STRUCTURAL STABILITY OF THE STRUCTURE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE STRUCTURAL ENGINEER OF ANY CONDITION WHICH, IN HIS OPINION, MIGHT ENDANGER THE STABILITY OF THE STRUCTURE OR CAUSE DISTRESS IN THE STRUCTURE.

4. CONSTRUCTION MATERIALS SHALL NOT BE STACKED ON FLOORS OR ROOFS IN EXCESS OF THE DESIGN LIVE LOADS WHICH ARE INDICATED IN THE GENERAL NOTES. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THAT THE SUBCONTRACTORS ARE INFORMED AND DO NOT VIOLATE THIS IMPORTANT REQUIREMENT. IMPACT SHALL BE AVOIDED WHEN PLACING MATERIALS ON FLOORS OR ROOTS.

5. PLANS, SECTIONS AND DETAILS ARE NOT TO BE SCALED FOR DETERMINATION OF QUANTITIES, LENGTHS, OR FIT OF MATERIALS.

6. SEE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR MISCELLANEOUS STEEL ITEMS NOT SHOWN IN THE STRUCTURAL DRAWINGS.

7. SUBMIT WRITTEN REQUESTS TO THE ENGINEER FOR APPROVAL OF ANY PROPOSED CHANGE TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. SPLICING, CUTTING, NOTCHING OR OTHER ALTERATIONS TO STRUCTURAL MEMBERS ARE NOT PERMITTED WITHOUT WRITTEN AUTHORIZATION OF THE STRUCTURAL ENGINEER. ANY UNAUTHORIZED DEVIATION FROM THE CONTRACT DOCUMENTS, AND CORRECTION THEREOF, IS THE RESPONSIBILITY OF THE CONTRACTOR.

8. THE ENGINEER DOES NOT HAVE CONTROL OR CHARGE OF, AND SHALL NOT BE RESPONSIBLE FOR, CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, OR PROCEDURES, FOR SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK FRO THE ATS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTOR, OR ANY OTHER PERSONS PERFORMING ANY OF THE WORK, OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

9. PERIODIC SITE OBSERVATION BY FIELD REPRESENTATITVES OF NORTH FLORIDA PROFESSIONAL SERVICES, INC. IS SOLELY FOR THE PURPOSE OF DETERMINING IF THE WORK OF THE CONTRACTOR IS PROCEEDING IN ACCORDANCE WITH THE STRUCTURAL CONTRACT DOCUMENTS. THIS LIMITED SITE OBSERVATION SHOULD NOT BE CONSTRUED AS EXHAUSTIVE OR CONTINUOUS TO CHECK THE QUALITY OR QUANTITY OF THE WORK, BUT RATHER PERIODIC IN AN EFFORT TO GUARD THE OWNER AGAINST DEFECTS OR DEFICIENCIES IN THE WORK OF THE CONTRACTOR.

DESIGN CRITERIA

1. THE DESIGN IS BASED ON, AND ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE (FBC) WITH AMENDMENTS AND DESIGN CODES REFERENCED WITHIN THESE DOCUMENTS. USE THE REFERENCED EDITIONS FROM THE FBC CHAPTER 35 OR THE LATEST EDITIONS IF NOT REFERENCED:
   AMERICAN SOCIETY OF CIVIL ENGINEERS, ASCE 7-22
   "MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES"
   STRUCTURAL CONCRETE:
   "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
   THE AMERICAN CONCRETE INSTITUTE (ACI 318-19 AND ACI 350-06)
   MASONRY:
   "BUILDING CODE REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES"
   THE MASONRY SOCIETY (TMS 402/602-16)
   STRUCTURAL STEEL:
   STEEL CONSTRUCTION MANUAL - FIFTEENTH EDITION BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC 360-16)
   WOOD:
   "NATIONAL DESIGN SPECIFICATION" AND SUPPLEMENT (ANS/AWC NDS-18)

2. LIVE LOADS:
   ROOF 20 PSF
   SLAB ON GRADE 250 PSF

3. SUPERIMPOSED DEAD LOADS:
   COLLATERAL (CEILING / M.E.P.) 5 PSF
   [NOTE: M.E.P. INCLUDES MECHANICAL, ELECTRICAL, PLUMBING, HVAC, AND FIRE SPRINKLERS.]

4. WIND LOAD DESIGN DATA:
   WIND LOADS SHALL BE IN ACCORDANCE WITH THE 2023 FLORIDA BUILDING CODE (REFERENCING ASCE 7-22).
   MAIN WIND FORCE RESISTING SYSTEM
   WIND DESIGN DATA:

a.	ULTIMATE DESIGN WIND SPEED, 3 SECOND GUSTS, VULT.	120 MPH
b.	HURRICANE PRONE REGION	YES
c.	WINDBORNE DEBRIS REGION	NO
d.	BUILDING RISK CATEGORY	II
e.	WIND EXPOSURE CATEGORY	C
f.	WIND TOPOGRAPHIC FACTOR (KZT)	1.0
g.	ENCLOSURE CATEGORY	PARTIALLY OPEN
h.	INTERNAL PRESSURE COEFFICIENT	±0.18
i.	MEAN ROOF HEIGHT	15 FEET
j.	WIND DIRECTIONALLY FACTOR, KD	0.85
k.	VELOCITY PRESSURE COEFFICIENT (KH)	0.85
l.	ULTIMATE VELOCITY PRESSURE (QH)ULT))	31.3 PSF
m.	COMPONENT & CLADDING WIND PRESSURES	SEE TABLE THIS SHEET
n.	DIMENSION "a"	4'-0"
o.	GROUND ELEVATION FACTOR, KE	1.0

5. 60-MINUTE RAINFALL INTENSITY 4.5 INCHES PER HOUR

6. DISTRIBUTE THE MAXIMUM LOAD HUNG FROM ANY STRUCTURAL MEMBERS FOR MEP DUCTOWRK, PIPING ETC OVER THE MEMBER'S TRIBUTARY AREA IN A WAY THAT THE DESIGN SUPERIMPOSED DEAD LOADS LISTED IN CONTRACT DOCUMENTS ARE NOT EXCEEDED. THE CONTRACTOR SHALL COORDINATE THE LOADS OF ALL TRADES AND PROVIDE ADDITIONAL SUPPORT OR DISTRIBUTION FRAMING AS REQUIRED TO ACHIEVE THE ALLOWABLE LOAD DISTRIBUTION.

7. STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATING EQUIPMENT. MOUNT VIBRATING EQUIPMENT ON VIBRATION ISOLATORS.

SPECIALTY ENGINEERING REQUIREMENTS

1. DELEGATED ENGINEER REQUIREMENTS: THE FLORIDA BOARD OF PROFESSIONAL ENGINEERS HAS ISSUED STATEMENTS ON RESPONSIBILITIES OF PROFESSIONAL ENGINEERS, PURSUANT TO CHAPTERS 61G15-30 AND 61G15-31 OF THE FLORIDA ADMINISTRATIVE CODE. CERTAIN COMPONENTS OF THE STRUCTURE REQUIRE THE WORK OF DELEGATED ENGINEERS FOR THE DESIGN OF THOSE COMPONENTS. ALL RELEVANT PROCEDURES PRESENTED IN THE FLORIDA ADMINISTRATIVE CODE SHALL APPLY TO THIS PROJECT.

2. PRE-ENGINEERED METAL BUILDING SHALL BE DESIGNED BY A SPECIALTY ENGINEER. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND MUST BE SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE SAME STATE AS THE PROJECT LOCATION. DESIGN LOADINGS SHALL CONFORM TO ALL REQUIREMENTS OF THE BUILDING CODE. (SEE DESIGN CRITERIA FOR THE APPLICABLE BUILDING CODE).

SPECIAL INSPECTIONS

1. PER THE FLORIDA BUILDING CODE SECTION 1703.1, AN APPROVED TESTING AGENCY SHALL PROVIDE ALL INFORMATION AS NECESSARY FOR THE BUILDING OFFICIAL TO DETERMINE THAT THE AGENCY MEETS THE APPLICABLE REQUIREMENTS FOR QUALIFIED PERSONNEL, EQUIPMENT, AND OBJECTIVE THIRD-PARTY INSPECTION PRACTICES.

2. REFER TO THE OTHER SECTIONS ON SHEET S1 FOR INSPECTION REQUIREMENTS.

3. IN ADDITION TO NOTE 2, PROVIDE THE FOLLOWING INSPECTIONS:
   a. PROVIDE A PRE-POUR INSPECTION OF ANY COLUMN ANCHOR BOLTS AND CONFIRM THEIR DEPTH OF EMBEDMENT.

4. PROVIDE COPIES OF THE SPECIAL INSPECTIONS REPORTS TO THE STRUCTURAL ENGINEER OF RECORD.

5. CONTRACTOR IS RESPONSIBLE FOR CORRECTING ANY DEFICIENCIES NOTED IN THE SPECIAL INSPECTION REPORTS AT NO ADDITIONAL COST TO THE OWNER.

REQUIRED SHOP DRAWING SUBMITTALS

1. APPROVAL OF SHOP DRAWINGS DOES NOT INDICATE ACCEPTANCE OF DEVIATIONS FROM CONTRACT DOCUMENTS, UNLESS ACCEPTED BY THE ENGINEER IN WRITING PRIOR TO SUBMISSION OF SHOP DRAWINGS. CONFLICTS RESULTING FROM SUCH DEVIATIONS, CONFLICTS BETWEEN THIS WORK AND THE WORK OF OTHER TRADES DUE TO SUCH DEVIATION, AND DIMENSIONAL CONFLICTS AS A RESULT OF SUCH DEVIATIONS SHALL BE DEEMED THE CONTRACTOR'S RESPONSIBILITY.

2. ANY CHANGES TO THE DETAILS SHOWN IN THESE CONTRACT DOCUMENTS SHALL BE SUBMITTED IN WRITING BY R.F.I. AND APPROVED BY THE ARCHITECT AND ENGINEER PRIOR TO SUBMITTING SHOP DRAWINGS. ALL SUCH CHANGES SHALL BE "CLOUDED" ON THE SHOP DRAWINGS AND REFERENCED TO THE PROPER R.F.I.

3. SUBMITTALS SHALL CONFORM TO THE REQUIREMENTS OF THE CONTRACT DRAWINGS. NON-CONFORMING SUBMITTALS WILL BE RETURNED WITHOUT REVIEW.
   3.1. SHOP DRAWINGS SHALL BE CHECKED AND MARKED "APPROVED" BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTAL TO ARCHITECT.
   3.2. SHOP DRAWINGS SHALL NOT CONTAIN REPRODUCTIONS OF THE CONTRACT DRAWINGS.
   3.3. SUBMIT FOR ENGINEER'S REVIEW THE SHOP DRAWINGS FOR THE FOLLOWING ITEMS.

4. ONCE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER THE G.C. MAY USE THE MATERIAL FOR CONSTRUCTION. G.C. SHALL ALLOT 3 WKS. FOR SHOP DRAWING REVIEW IN THE CONSTRUCTION SCHEDULE.

5. THE FOLLOWING SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
   5.1. PRE-ENGINEERED METAL BUILDING.

FOUNDATION NOTES

1. REMOVE TOPSOIL, VEGETATION / ROOTS, AND ANY DELETERIOUS MATERIALS WITHIN THE BUILDING FOOTPRINT AND UP TO 10 FEET BEYOND THE BUILDING PERIMETER. PROOFROLL SUBGRADE WITH LARGE VIBRATORY ROLLER (INGERSOLL RAND D-100, OR EQUIVALENT), TYPICALLY WITH 30 OR MORE PASSES IN 2 ORTHOGONAL DIRECTIONS UNTIL MINIMAL INDENTATION IS LEFT ON THE GROUND SURFACE. SPRAYING OF WATER ONTO THE GROUND SURFACE IS ANTICIPATED TO AID IN THE DENSIFICATION OF THE SAND STRATUM DURING THE PASSES OF THE VIBRATORY ROLLER.

2. RAISE BUILDING PAD TO ESTABLISH FINISH FLOOR ELEVATION. FILL MATERIALS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER AND SHALL BE INORGANIC, NON-PLASTIC GRANULAR SOIL (CLEAN SANDS) WITH NO MORE THAN 12 PERCENT FINES PASSING THE NO.200 SIEVE. THE FILL SHALL BE PLACED IN LEVEL LIFTS NOT TO EXCEED 12 INCHES LOOSE THICKNESS AND COMPACTED TO A MINIMUM OF 95% OF THE SOIL'S MODIFIED PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM SPECIFICATION D-1557. IN-PLACE DENSITY TESTS SHALL BE PERFORMED ON EACH LIFT BY AN EXPERIENCED ENGINEERING TECHNICIAN TO VERIFY THAT THE REQUIRED DEGREE OF COMPACTION HAS BEEN ACHIEVED.

3. AFTER SATISFACTORY COMPLETION OF THE SITE PREPARATION, COMPACT THE UPPER 12 INCHES OF THE FOOTING AND SLAB SUBGRADE TO 95 PERCENT OF THE MATERIAL'S MAXIMUM DRY DENSITY PER ASTM D 1557. PROVIDE SOIL COMPACTION TESTING AT EACH COLUMN FOOTING, AT EVERY 50 LINEAR FEET OF PERIMETER TURNDOWN EDGES, AND ONCE EVERY 2,500 SQUARE FEET UNDER THE SLAB. THE SUBGRADES SHALL BE COMPACTED TO AT LEAST 95 PERCENT OF THE MATERIAL'S MAXIMUM DRY DENSITY PER MODIFIED PROCTOR (ASTM D1557).

4. CONTRACTOR IN CONJUNCTION WITH GEOTECHNICAL FIELD REPRESENTATIVE, SHALL DETERMINE IF ANY SOILS OR UNSTABLE CONDITIONS ARE DISCOVERED DURING EXCAVATION WHICH WOULD PREVENT ATTAINMENT OF THE DESIGN SOIL PRESSURE RECOMMENDED BY THE SOILS REPORT.

5. REMOVE FREE WATER FROM EXCAVATIONS BEFORE PLACING CONCRETE.

6. ALL SOIL PREPARATION SHALL CONFORM TO THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORT FOR THE PROJECT.

7. FOUNDATIONS HAVE BEEN DESIGNED FOR AN ALLOWABLE SOIL BEARING PRESSURE OF 2,000 PSF, IN ACCORDANCE WITH THE RECOMMENDATIONS OF CAL-TECH TESTING, INC., REPORT NO. 25-00239-01, DATED MAY 28, 2025.

SLAB ON GRADE

1. MAXIMUM SPACING OF CONTROL JOINTS SHALL BE 15 FEET ON CENTER, OR AS NOTED ON PLANS. THE MORE STRINGENT SHALL APPLY. PATTERNS SHALL BE APPROXIMATELY SQUARE WITH A RATIO OF LONG SIDE TO SHORT SIDE NOT EXCEEDING 1.5 TO 1.

2. SAWCUT SLAB CONTROL JOINTS THE SAME DAY AS CONCRETE PLACEMENT, BUT NOT BEFORE CONCRETE HAS SET UP SUFFICIENTLY TO PREVENT RAVELING OF AGGREGATE.

3. GENERAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF SAW JOINTS AND CI'S WITH ARCHITECTURAL FLOOR FINISHES TO ENSURE SLAB JOINTS DO NOT READ THROUGH.

ANCHOR BOLTS

1. ANCHOR BOLTS SHALL BE ASTM F1554 GRADE 36 WITH ASTM A563 NUTS AND ASTM F436 WASHERS.

2. HOT DIP GALVANIZE ALL ANCHOR BOLTS, WASHERS, NUTS AND SHIMS PER ASTM A123 OR A153.

POST-INSTALLED ANCHORS

1. ANCHOR PRODUCTS APPROVED FOR USE ON THIS PROJECT ARE LISTED BELOW UNLESS OTHERWISE SPECIFIED IN SECTIONS/DETAILS:
   1.a. ADHESIVE ANCHORS INTO CONCRETE SHALL HAVE BEEN TESTED IN ACCORDANCE WITH ACI 355.4 AND ICC-ES AC308 FOR CRACKED CONCRETE:
   1.a.1. USE THE FOLLOWING (UNO):
   1.a.1.a. HILTI HIT-HY 200 ADHESIVE (ICC-ES ESR 3187)
   1.a.1.a. HILTI "HIT-RE 500-SD" ADHESIVE (ICC-ES ESR2322)
   1.a.1.b. EPCON "G5" ADHESIVE (ICC-ES ESR1137)
   1.a.1.c. SIMPSON STRONG-TIE "SET-XP" ADHESIVE (ICC-ES ESR2508)
   1.a.1.d. SIMPSON STRONG-TIE "AT-XP" ADHESIVE (IAPMO-ES ER263)
   1.a.1.e. EPCON "S7" ADHESIVE (ICC-ES ESR2308)

2. INSTALL ANCHORS TO MEET THE REQUIREMENTS INDICATED IN THE CONTRACT DOCUMENTS AND THE MANUFACTURER' S RECOMMENDATIONS.

3. LOCATE, BY NON-DESTRUCTIVE MEANS, AND AVOID ALL EXISTING REINFORCEMENT PRIOR TO INSTALLATION OF ANCHORS. IF EXISTING REINFORCING LAYOUT PROHIBITS THE INSTALLATION OF ANCHORS AS INDICATED IN THE DRAWINGS, THE CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONALS IMMEDIATELY.

4. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE DRAWINGS. CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEER OF RECORD (SER) PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS.

5. ANCHOR INSTALLER SHALL BE TRAINED BY THE MANUFACTURER ON PROPER INSTALLATION METHODS.

6. CARE SHALL BE EXERCISED TO AVOID CONFLICTS WITH EXISTING REINFORCING WHEN DRILLING HOLES. PILOT HOLES SHALL BE INSTALLED AS REQUIRED. HOLES SHALL BE DRILLED AND CLEANED PER THE MANUFACTURER'S INSTRUCTIONS. ANCHORS SHALL BE INSTALLED PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AT NOT LESS THAN MINIMUM EDGE DISTANCES AND/OR SPACINGS INDICATED IN THE MANUFACTURER'S LITERATURE OR ON THE STRUCTURAL DRAWINGS. EMBEDMENT SHALL BE THE MINIMUM SPECIFIED ON THE STRUCTURAL DRAWINGS.

CONCRETE AND REINFORCING

1. A CERTIFIED TESTING AGENCY SHALL BE ENGAGED TO PERFORM INDUSTRY STANDARD TESTING INCLUDING SLUMP TESTS AND CYLINDER BREAKS TO ENSURE CONFORMANCE WITH PLANS AND SPECIFICATIONS (IF PROVIDED). SUBMIT REPORTS TO ARCHITECT AND ENGINEER.

2. CONCRETE WORK SHALL CONFORM TO ACI SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS ACI 301 (LATEST EDITION) AND BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19).

3. ALL CONCRETE SHALL HAVE THE FOLLOWING PROPERTIES.

LOCATION	28 DAY STRENGTH	SLUMP	*COURSE AGGREGATE* MAX.
MONOLITHIC SLAB ON GRADE FOUNDATION	3000 PSI	4" +/- 1"	1 1/2"

4. CONCRETE MIX DESIGN SUBMITTALS.
   4.1. EACH MIX DESIGN SHALL BE LABELED TO INDICATE THE AREA IN WHICH THE CONCRETE IS TO BE PLACED (I.E. FOUNDATIONS, SLAB-ON-GRADE, COLUMNS, ETC). FAILURE TO DO SO WILL CAUSE DELAY AND/OR REJECTION OF SUBMITTALS.
   4.2. PROPOSED MIX DESIGN SHALL BE IN ACCORDANCE WITH METHOD 1 OR METHOD 2 OF ACI 301. PROVIDE SUPPORTING DATA IN TABULAR FORM FOR EACH SEPARATE PROPOSED MIX.
   4.3. SUBMIT CONCRETE MIX DESIGN FOR EACH PROPOSED CLASS OF CONCRETE.

5. NO CALCIUM CHLORIDE SHALL BE USED IN MIX DESIGNS.

6. MAXIMUM W/C RATIO OF 0.53 FOR FOOTINGS AND 0.50 FOR OTHER CONCRETE.

7. REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60.

8. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. LAP MINIMUM DISTANCE OF ONE CROSS WIRE SPACING PLUS 2 INCHES.

9. SPLICE REINFORCING ONLY WHERE SHOWN ON THE DRAWINGS. WHERE CONTINUOUS REINFORCING IS CALLED OUT, SUCH REINFORCING MAY BE SPLICED WHERE APPROVED BY THE ENGINEER. WHERE SPLICE LENGTHS ARE NOT SPECIFIED, USE 48 BAR DIAMETERS IN MASONRY AND 48 BAR DIAMETERS IN CONCRETE.

10. PROVIDE CONCRETE COVER OVER REINFORCEMENT AS FOLLOWS, UNLESS OTHERWISE NOTED:
    BEAMS (OVER STIRRUPS) 1-1/2" (#5 BARS AND SMALLER)
    2" (#6 THROUGH #18)
    COLUMNS (OVER TIES) 1-1/2" (#5 BARS AND SMALLER)
    2" (#6 THROUGH #18)
    FOOTINGS 3"
    SLABS 1-1/2" FROM TOP

11. AT CHANGES IN DIRECTION OF CONCRETE WALLS AND BEAMS, PROVIDE CORNER BARS OF SAME SIZE AND SPACING AS HORIZONTAL STEEL.

12. PROVIDE STANDARD HOOKS FOR ALL TOP REINFORCING BARS AT DISCONTINUOUS ENDS. HOOKS MAY BE TILTED FROM VERTICAL TO OBTAIN PROPER CONCRETE COVER.

13. GROUT UNDER BEARING PLATES SHALL BE NON-METALLIC, NON-SHRINK TYPE WITH A COMPRESSIVE STRENGTH OF AT LEAST 6000 PSI IN SEVEN DAYS. VIBOPRUF 51, BY LAMBERT CORPORATION, OR ACCEPTED SUBSTITUTE.

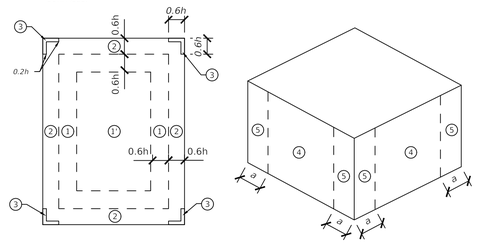
14. ALL FORMWORK SHALL BE DESIGNED, ERECTED, SUPPORTED, BRACED, AND MAINTAINED ACCORDING TO ACI 347, RECOMMENDED STANDARD PRACTICE FOR CONCRETE FORMWORK.

15. RESPONSIBILITY, THE DESIGN, CONSTRUCTION, AND SAFETY OF ALL FORMWORK SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

16. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED WHERE SHOWN ON THE ARCHITECTURAL OR STRUCTURAL DRAWINGS.

WIND PRESSURE DIAGRAM

1. DESIGN WIND PRESSURES TO BE USED IN THE DESIGN OF ALL COMPONENTS AND CLADDING ELEMENTS. PRESSURES INDICATED IN TABLE ARE SERVICE LOADS.
2. REFER TO WIND PRESSURE DIAGRAM FOR ZONE LOCATIONS AND EXTENTS.
3. POSITIVE PRESSURES ACT TOWARD COMPONENT SURFACES AND NEGATIVE PRESSURES ACT AWAY FROM COMPONENT SURFACES.



COMPONENTS AND CLADDING WIND PRESSURES ON ROOF AND WALLS (PSF)

ZONE	1',1,2,3	1'	1	2	3	2 Overhang	3 Overhang	4		5	
TRIB AREA	(+)	(-)	(-)	(-)	(-)	(-)	(-)	(+)	(-)	(+)	(-)
10	13	-29	-50	-66	-90	-66	-90	29	-31	29	-38
20	12	-29	-47	-62	-82	-61	-81	28	-30	28	-36
50	11	-29	-42	-56	-71	-53	-68	26	-28	26	-33
100	10	-29	-39	-52	-62	-48	-58	25	-27	25	-30
200	10	-25	-36	-48	-54	-42	-47	23	-26	23	-28
500	10	-15	-31	-42	-42	-34	-34	22	-24	22	-24

WINDOWS, DOORS, AND ROOFS

1. FOR THE SELECTION OF WINDOW, DOOR, AND ROOF PRODUCTS, TABULATED VALUES ARE NORMALLY MULTIPLIED BY 0.6 PRIOR TO COMPARISON WITH THE POSITIVE AND NEGATIVE PRESSURE RATINGS PROVIDED IN EACH FLORIDA PRODUCT APPROVAL. IT IS RECOMMENDED THAT THE MANUFACTURER'S REPRESENTATIVE REVIEW THESE DRAWINGS FOR VERIFICATION.

2. FOR DETERMINATION OF COMPONENTS AND CLADDING WIND PRESSURES, THE TRIBUTARY AREA FOR ROOFING PRODUCTS IS TYPICALLY CONSIDERED TO BE 10 SQUARE FEET OR LESS. FOR WINDOWS AND DOORS, THE TRIBUTARY AREA IS THE SURFACE AREA OF THE WALL OPENING.

ROOF OVERHANG PRESSURES

1. ROOF OVERHANG PRESSURES ARE DETERMINED BY SUMMING THE ABSOLUTE VALUE OF THE NEGATIVE ROOF ZONE (1, 2, OR 3) PRESSURE AND THE POSITIVE WALL ZONE (4 OR 5) PRESSURE, BASED ON THE APPLICABLE TRIBUTARY AREA. THE SUM IS THEN MULTIPLIED BY -1 TO GET THE CORRESPONDING ROOF OVERHANG UPLIFT PRESSURE.

ABBREVIATIONS

PT	PRESSURE TREATED
GALV.	GALVANIZED
A.B.	ANCHOR BOLT
F.B.C.	FLORIDA BUILDING CODE
U.N.O.	UNLESS NOTED OTHERWISE
EJ	EXPANSION JOINT

ISSUED FOR CONSTRUCTION
SEPTEMBER 2025

THE OFFICIAL RECORD OF THIS SHEET IS THE ELECTRONIC FILE DIGITALLY SIGNED AND SEALED UNDER RULE 61G15-23.004, F.A.C.

REVISIONS	
DATE	DESCRIPTION

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LIC NO. LB8356
2551 BLAIRSTONE PINES DR.
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CA# 29011

JOB NUMBER: L250310MIN
EOR: DAVID M. CRAPPS
P.E. NO.: 60989

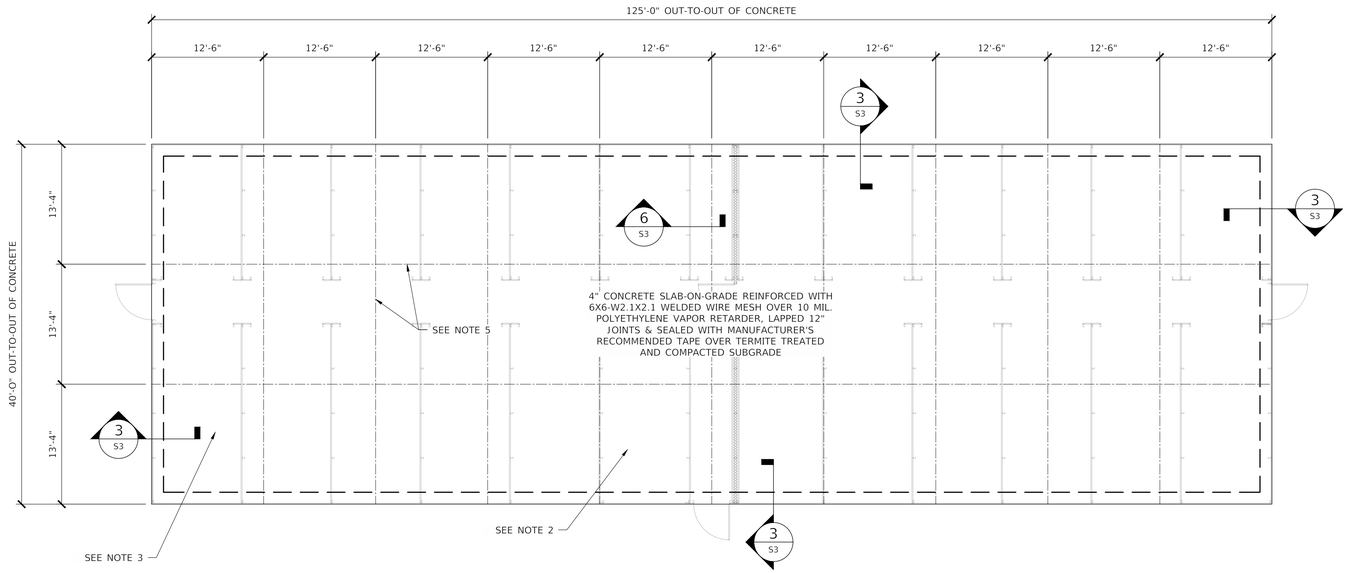
STRUCTURAL GENERAL NOTES

MINI STORAGE AND RECORD STORAGE OF LAKE CITY
COLUMBIA COUNTY, FL

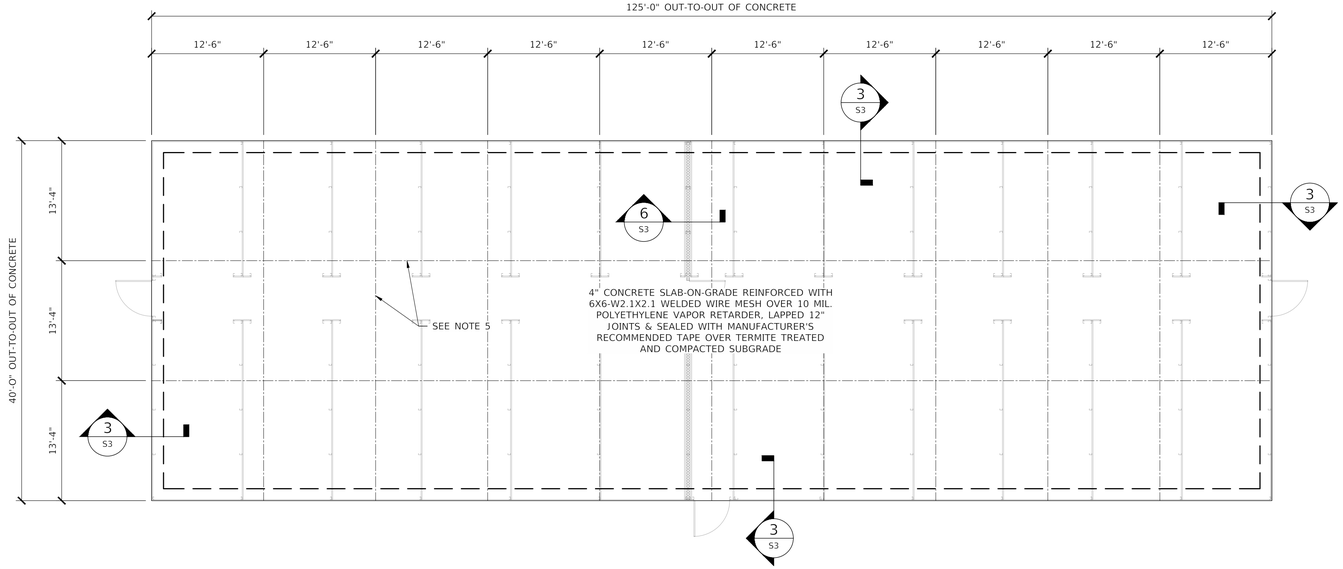
SHEET NO. S1

FOUNDATION PLAN NOTES

1. FIELD VERIFY DIMENSIONS AS REQUIRED.
2. DEMO EXISTING SEPTIC TANK. SEE CIVIL DRAWINGS FOR LOCATION.
3. SEE CIVIL DRAWINGS FOR EXISTING PVC AND GALVANIZED STEEL STUB OUT LOCATIONS.
4. THE SIZE OF THE WELDED WIRE MESH INDICATED IS RECOMMENDED BY THE STRUCTURAL ENGINEER. HOWEVER, AT THE OWNER AND CONTRACTOR'S RISK OF INCREASED CRACK DEVELOPMENT, 6X6-W1.4XW1.4 WELDED WIRE MESH MAY BE SUBSTITUTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SECTION 1907.2.
5. SUGGESTED SAWCUT CONTROL JOINT LOCATIONS. MAXIMUM SPACING OF SAWCUT CONTROL JOINTS IN SLAB SHALL BE APPROXIMATELY 15 FEET IN EACH DIRECTION, WITH LENGTH-TO-WIDTH RATIO OF 1.5 OR LESS AT EACH INDIVIDUAL RECTANGULAR AREA. SAWCUT DEPTH SHALL BE 25 PERCENT OF THE SLAB DEPTH. SAWCUT WORK SHALL BE PERFORMED THE SAME DAY AS THE SLAB PLACEMENT, BUT AFTER THE CONCRETE HAS CURED SUFFICIENTLY TO PREVENT RAVELING. EXTERIOR JOINTS SHALL BE FILLED WITH SILICONE SEALANT AND BACKER ROD (OR EQUAL). CONTRACTOR TO COORDINATE SEALING OF INTERIOR JOINTS WITH ANY FLOOR FINISHES.
6. TOP OF CONCRETE SLAB-ON-GRADE ELEVATION IS 192.0' FOR THE EAST AND WEST BUILDINGS IN ACCORDANCE WITH THE CIVIL DRAWINGS.



1 BUILDING B (WEST) BUILDING FOUNDATION PLAN
SCALE: 1/8" = 1'-0"



2 BUILDING A (EAST) BUILDING FOUNDATION PLAN
SCALE: 1/8" = 1'-0"

ISSUED FOR CONSTRUCTION
SEPTEMBER 2025

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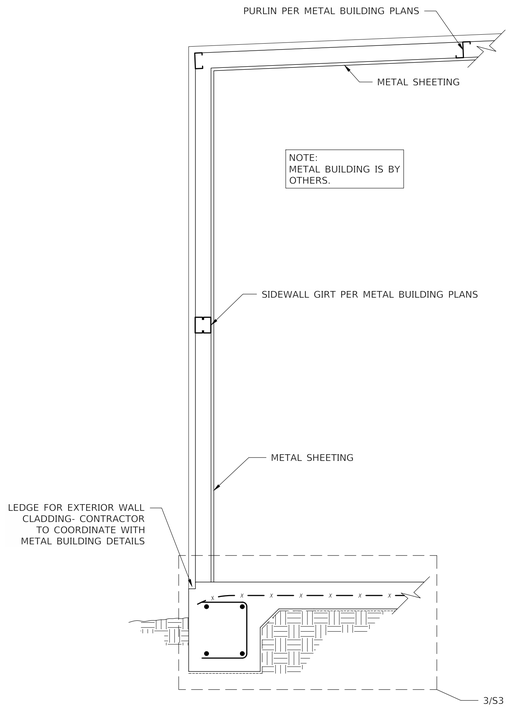
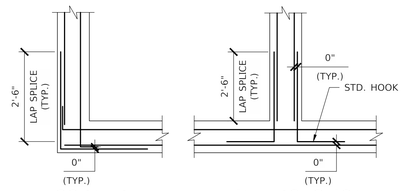
FOUNDATION PLAN
MINI STORAGE AND RECORD STORAGE OF LAKE CITY COLUMBIA COUNTY, FL

SHEET NO. S2

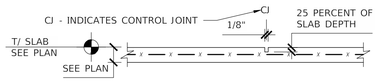


1 EXTERIOR WALL
SCALE: 3/4" = 1'-0"



NOTE:
PROVIDE MATCHING CORNER BARS FOR ALL HORIZONTAL REINFORCING AT INTERSECTIONS & CORNERS OF ALL: FOOTINGS, THICKENED SLABS ON GRADE, & HORIZ. WALL REINFORCEMENT UNLESS NOTED OTHERWISE.

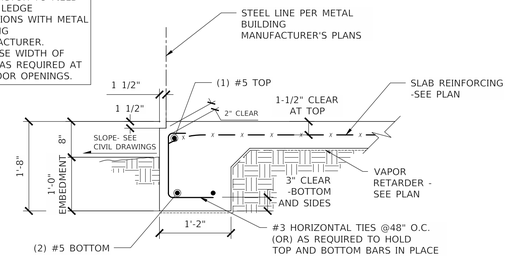
2 TYPICAL REINFORCEMENT DETAIL
SCALE: N.T.S.



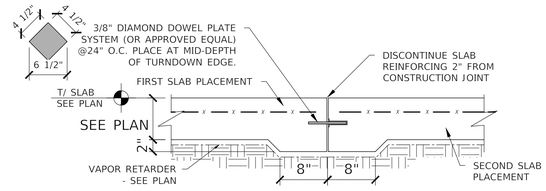
JOINTS SHALL BE SAWED THE SAME DAY THE CONCRETE IS PLACED, BUT NOT BEFORE THE CONCRETE HAS SUFFICIENTLY SET UP TO PREVENT RAVELING OF AGGREGATE.

4 TYPICAL SLAB CONTROL JOINT
SCALE: N.T.S.

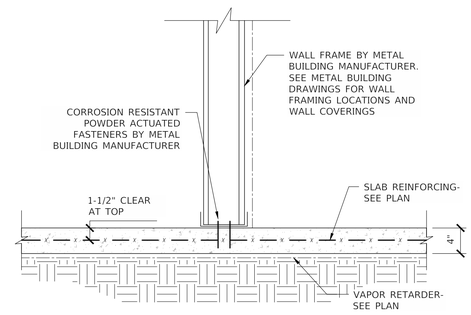
NOTE:
CONTRACTOR TO FIELD VERIFY LEDGE DIMENSIONS WITH METAL BUILDING MANUFACTURER. INCREASE WIDTH OF LEDGE AS REQUIRED AT ANY DOOR OPENINGS.



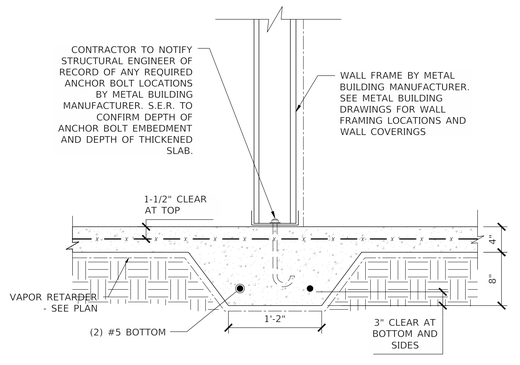
3 FOOTING DETAIL
SCALE: 3/4" = 1'-0"



5 TYP. SLAB CONSTRUCTION JOINT
SCALE: 1" = 1'-0"



POWDER ACTUATED FASTENER OPTION



ANCHOR BOLT (OR HEAVY DUTY CONCRETE SCREW) OPTION

6 FOUNDATION DETAIL AT INTERIOR WALL FRAMING
SCALE: N.T.S.

ISSUED FOR CONSTRUCTION
SEPTEMBER 2025

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REVISIONS	
DATE	DESCRIPTION

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SECTIONS AND DETAILS
MINI STORAGE AND RECORD STORAGE OF LAKE CITY
COLUMBIA COUNTY, FL

SHEET NO. S3