AUGUSTA UTILITIES DEPARTMENT
452 WALKER STREET, SUITE 200

FORT EISENHOWER UTILITY SHED EXPANSION

BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

GENERAL NOTES:

THE GENERAL CONTRACTOR AND HIS SUB-CONTRACTORS SHALL BE REQUIRED TO VISIT THE PREMISES TO INSPECT EXISTING CONDITIONS, BECOME FAMILIAR WITH LOCAL CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED AND CORRELATE PERSONAL OBSERVATIONS WITH REQUIREMENTS OF THE DRAWINGS.

ALL WORK PERFORMED SHALL BE IN STRICT COMPLIANCE WITH COUNTY REGULATIONS AND CODES, O.S.H.A. STANDARDS, THE CODE STANDARDS LISTED, EXECUTED IN ACCORDANCE WITH ACCEPTED INDUSTRY STANDARDS, AND CONFORM TO SPECIFIC REGULATIONS AS MANDATED BY THE OWNER AND THE ARCHITECT.

IT SHALL BE THE GENERAL CONTRACTOR'S RESPONSIBILITY TO INSURE THE PROCUREMENT OF ALL REQUIRED AND NECESSARY PERMITS. ALL CONTRACTORS SHALL OBTAIN NECESSARY AND APPLICABLE, CITY/COUNTY PERMITS, INSPECTIONS AND APPROVAL PRIOR TO THE COMMENCEMENT OF ANY WORK AND CERTIFICATE OF OCCUPANCY UPON COMPLETION OF PROJECT. CONTRACTOR SHALL FURNISH COPIES OF PERMITS, INSPECTIONS AND CERTIFICATES TO OWNER UPON REQUEST.

CONTRACTOR SHALL BE REQUIRED TO COORDINATE WORK SCHEDULE TO MINIMIZE DISRUPTION OF NORMAL ACTIVITIES AND TO AVOID INTERFERENCE WITH ADJACENT OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TAKING ADEQUATE PRECAUTIONS TO PROTECT SURROUNDINGS, MATERIALS AND EXISTING FINISHES THROUGHOUT ALL PHASES OF CONSTRUCTION AREAS AND OCCUPIED OR PUBLIC AREAS TO BE MAINTAINED BY CONTRACTOR. DAMAGE TO EXISTING-TO-REMAIN CONSTRUCTION, MATERIALS OR EQUIPMENT TO BE RESTORED TO ORIGINAL CONDITION.

CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF TRASH AND DEBRIS FROM JOB SITE ON A DAILY BASIS. FINAL CLEAN-UP WITHIN SCOPE OF WORK:

GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF ALL RELATED TRADES AND VENDORS NECESSARY TO THE COMPLETION OF THE JOB ON A TIMELY BASIS.

DO NOT SCALE DRAWINGS. USE WRITTEN DIMENSIONS ONLY. SUBMIT TO ARCHITECT ANY DISCREPANCIES FOR CLARIFICATION

ALL WORK SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL BUILDING CODE, GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION, CURRENT EDITION OF NATIONAL ELECTRIC CODE, INTERNATIONAL PLUMBING, AND MECHANICAL CODE, RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, ALL MANUFACTURERS RECOMMENDATIONS, AND ALL OTHER APPLICABLE CODES.

THE DESIGN PROFESSIONAL DOES NOT GUARANTEE THE PERFORMANCE OF THE PROJECT IN ANY RESPECT OTHER THAN THAT OUR PROFESSIONAL WORK AND JUDGEMENT RENDERED MEET THE STANDARDS OF CARE OF OUR PROFESSION.

THE LOCATION OF THE EXISTING UTILITIES AND STRUCTURES SHOWN HEREON ARE APPROXIMATE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE EXISTENCE AND ACTUAL LOCATION OF SUCH, WHETHER SHOWN HEREON OR NOT, PRIOR TO ANY EXCAVATION ANY DAMAGES SHALL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.

THE FLOOR ON BOTH SIDES OF A DOOR SHALL BE LEVEL AND SHALL HAVE THE SAME ELEVATION ON BOTH SIDES OF THE DOOR, FOR A DISTANCE ON EACH SIDE EQUAL TO THE WIDTH OF THE WIDEST SINGLE DOOR.

FIRE EXTINGUISHERS SHALL BE LOCATED PER THE REQUIREMENTS OF NFPA 10. THE SIZE SHALL BE A MINIMUM OF 2A-10BC AND SHALL BE INSTALLED AT A MAXIMUM OF 48" A.F.F. TO THE TOP OF THE HANDLE.

PROVIDE CONT. SOLID BLOCKING, AS REQUIRED, IN WALLS TO RECEIVE ACCESSORY ITEMS INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
HANDRAILS
TOILET ROOM ACCESSORIES
GRAB BARS
FIRE EXTINGUISHER CABINETS & BRACKETS
CABINETS AND SHELVES

CLEAN WALLS, DOORS, DOOR FRAMES, HANDRAILS, GUARDRAILS, ETC. PER MANUFACTURERS RECOMMENDATIONS PRIOR TO SEALING AND PAINTING.

REFER TO THE STRUCTURAL DRAWINGS FOR INFORMATION ON CONSTRUCTION AND CONTROL JOINTS IN CONCRETE SLABS AND CONCRETE AND MASONRY WALLS. SLAB JOINTS ARE SPECIFIED AND LOCATED ON THE STRUCTURAL DRAWINGS.

TEMPORARY SIGNS: PROVIDE SIGNS AS REQUIRED TO INFORM PUBLIC AND INDIVIDUALS SEEKING ENTRANCE TO PROJECT.
PROVIDE TEMPORARY, DIRECTIONAL SIGNS FOR CONSTRUCTION PERSONNEL AND VISITORS. MAINTAIN AND TOUCH UP SIGNS SO THEY ARE LEGIBLE AT ALL TIMES.

PROJECT LOCATION MAP

JOBSITE SIGN

INDEX OF DRAWINGS

PROJECT TEAM

OWNER

AUGUSTA UTILITIES DEPARTMENT
STANLEY J. AYE
DORSEY DRIVE
FORT EISENHOWER, GA 30905
PHONE: 706-836-8730
EMAIL: saye@augustaga.gov

OWNER'S REP/ 24 HOUR CONTACT

JOHNSON, LASCHOBER AND ASSOCIATES, P.C.
WATSON LEE DORN III, NCARB, AIA
1296 BROAD STREET
AUGUSTA, GEORGIA 30901
PHONE: 706-724-5756
EMAIL: ldorn@thejlagroup.com

ARCHITECT

JOHNSON, LASCHOBER AND ASSOCIATES, P.C.
WATSON LEE DORN III, NCARB, AIA
1296 BROAD STREET
AUGUSTA, GEORGIA 30901
PHONE: 706-724-5756
EMAIL: ldorn@thejlagroup.com

STRUCTURAL ENGINEER

JOHNSON, LASCHOBER AND ASSOCIATES, P.C.
MARK LORAH, P.E.
1296 BROAD STREET
AUGUSTA, GEORGIA 30901
PHONE: 706-724-5756
EMAIL: mlorah@thejlagroup.com

ELECTRICAL ENGINEER

JOHNSON, LASCHOBER AND ASSOCIATES, P.C.
HOWARD WAYT, P.E.
1296 BROAD STREET
AUGUSTA, GEORGIA 30901
PHONE: 706-724-5756
EMAIL: hwayt@thejlagroup.com

GRAPHIC SYMBOLS

CENTERLINE
COLUMN GRID REFERENCE
DRAWING LOCATION ON SHEET GRID
DRAWING NAME
View Name
SCALE: 1/8" = 1'-0"
DRAWING SCALE
SHEET IDENTIFIER FOR LOCATION OF DETAIL

REVISION INDICATION
REVISION NUMBER
AREA REVISED
TYPICAL DIMENSION INDICATOR
9 1/2"
DOOR NUMBER
201A
FLOOR ELEVATION
01_FLOOR
12'-0"
GLASS TYPE
WALL TYPE
ROOM NAME AND AREA
ROOM NAME
101
150 SF

DETAIL/PLAN KEY
DETAIL LOCATION ON SHEET GRID
TERMINATION OF SECTION
SHEET IDENTIFIER FOR LOCATION OF DETAIL

SECTION KEYS
DIRECTION OF SECTION
BUILDING SECTION LOCATION ON SHEET GRID
SHEET IDENTIFIER FOR LOCATION OF SECTION

ENLARGED DETAIL INDICATOR
DETAIL LOCATION ON SHEET GRID
SHEET IDENTIFIER FOR LOCATION OF DETAIL

DIRECTION OF SECTION
WALL SECTION LOCATION ON SHEET GRID
TERMINATION OF SECTION
SHEET IDENTIFIER FOR LOCATION OF SECTION

BUILDING ELEVATION KEY
ELEVATION LOCATION ON SHEET GRID
SHEET IDENTIFIER FOR LOCATION OF ELEVATION
DIRECTION OF ELEVATION

INTERIOR ELEVATION KEY
ELEVATION LOCATION ON SHEET GRID
SHEET IDENTIFIER FOR LOCATION OF ELEVATION
DIRECTION OF ELEVATION

ALTERNATE #1:

PRICE TO CONSTRUCT AND INSTALL NEW COVERED PIPE RACK AS DETAILED ON A-102 AND S-201.

ALTERNATE #2:

NEW SOFFIT PANEL AT PORCH OF MAIN OFFICE BUILDING.

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CLIENT: AUGUSTA UTILITIES DEPARTMENT
PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION
PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

STATE OF GEORGIA
WATSON LEE DORN, III
CERTIFICATE NO. RA012029
REGISTERED ARCHITECT
08/11/2022

GEORGIA
JOHNSON, LASCHOBER & ASSOC., PC
No. PEF000356
EXPIRATION DATE: JUNE 30, 2024
CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
1	09/19/23	WLD	ISSUED FOR BID
0	08/11/22	WLD	ISSUED FOR PERMIT/CONSTRUCTION

PROJECT NO.	3042.2104
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/11/2022
SHEET TITLE:	COVER SHEET
SCALE	AS NOTED
DRAWING NO.	G-001
REV.	1

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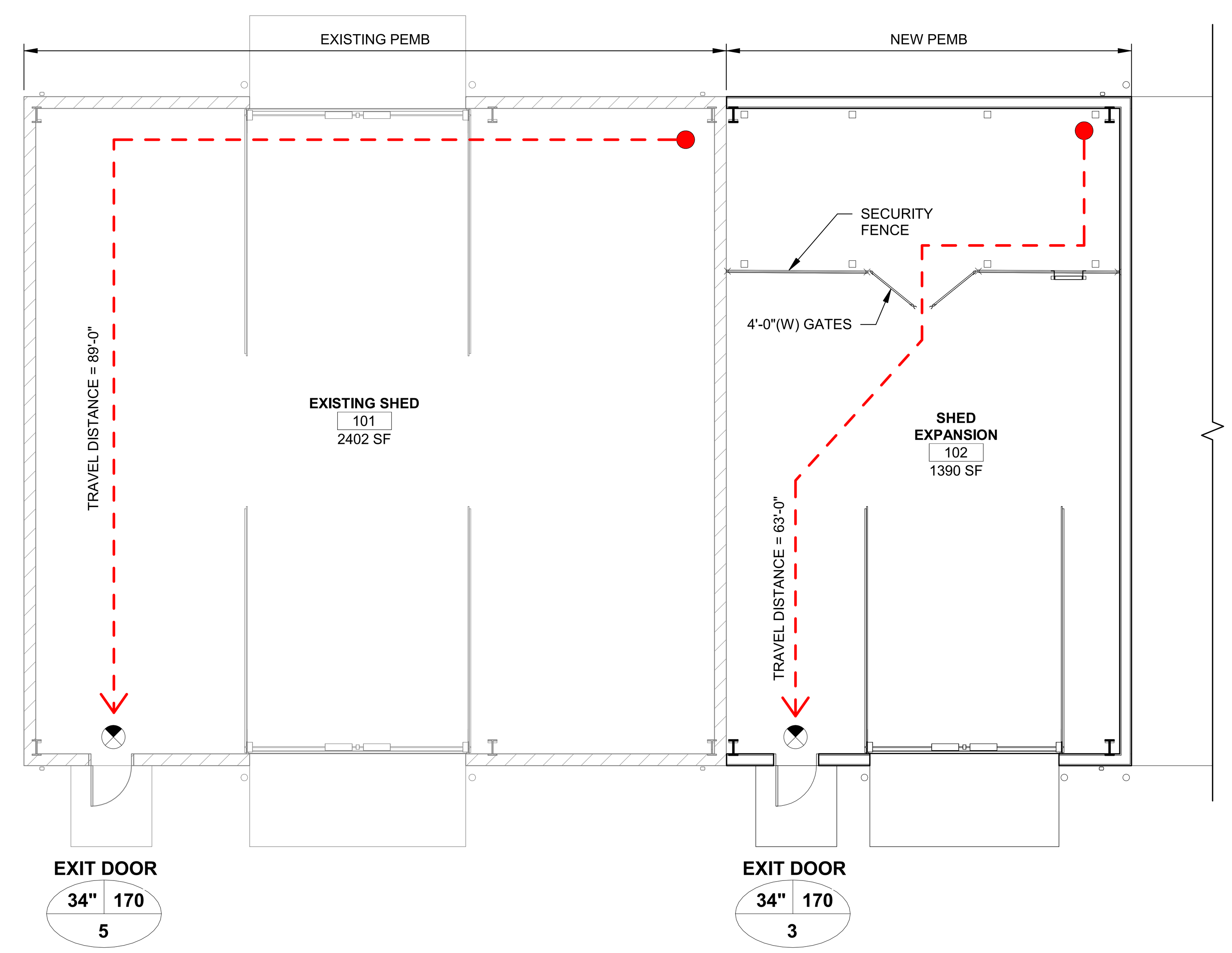

1 G-002 **LIFE SAFETY PLAN**
SCALE: 1/8" = 1'-0"

LIFE SAFETY PLAN LEGEND

Symbol	Description
(dashed red arrow)	EGRESS TRAVEL PATH: DISTANCE NOTED IS ACTUAL.
ROOM NAME	ROOM NAME & NUMBER
150 SF	ROOM AREA
OCC	OCCUPANCY LOAD FACTOR AND METHOD
EXIT DOOR 68" / 340	EXIT CAPACITY (DOOR EGRESS WIDTH / 0.2)
299	ANTICIPATED LOAD
(68")	EGRESS WIDTH
HO	HOLD OPEN
PD	PANIC DEVICE
F.E.-1	FIRE EXTINGUISHER CABINET WITH FIRE EXTINGUISHER
(exit symbol)	EXIT SIGN
(red dot)	MOST REMOTE POINT

CODE ANALYSIS

MINIMUM STANDARD CODES

IBC - INTERNATIONAL BUILDING CODE	2018 EDITION W/ GEORGIA AMENDMENTS
IMC - INTERNATIONAL MECHANICAL CODE	2018 EDITION W/ GEORGIA AMENDMENTS
IPC - INTERNATIONAL PLUMBING CODE	2018 EDITION W/ GEORGIA AMENDMENTS
IFGC - INTERNATIONAL FUEL GAS CODE	2018 EDITION W/ GEORGIA AMENDMENTS
NATIONAL ELECTRICAL CODE	2020 EDITION (NO GEORGIA AMENDMENTS)
IFC - INTERNATIONAL FIRE CODE	2018 EDITION W/ GEORGIA AMENDMENTS
IECC INTERNATIONAL ENERGY CONSERVATION CODE	2015 EDITION W/ GEORGIA SUPPLEMENTS & AMENDMENTS
ADA STANDARDS FOR ACCESSIBLE DESIGN	2010 EDITION W/ GEORGIA AMENDMENTS
NFPA - 101 LIFE SAFETY CODE	2018 EDITION W/ GEORGIA AMENDMENTS

REVIEW PER DESIGN

NON SEPARATED OCCUPANCYS (NFPA 101 CHAPTER 6, IBC CHAPTER 3)
NFPA **STORAGE** IBC **S-1**

TYPE OF CONSTRUCTION (IBC CHAPTER 6, NFPA 101 CHAPTER 8.2)
NFPA ______ IBC TYPE II-B
SPRINKLER REQUIRED (NFPA 12.3.5.2, IBC CHAPTER 9) YES ___ NO X
SPRINKLER PROVIDED YES ___ NO **X**

ALLOWABLE BUILDING FLOOR AREA (IBC TABLE 506.2)
U, NON-SPRINKLED, TYPE II-B - ALLOWABLE AREA: **17,500 SF**
EXISTING BUILDING **2,402 SF**
BUILDING ADDITION **1,392 SF** BY DESIGN **3,794 SF**

BUILDING HEIGHT (IBC TABLE 504.3)
HEIGHT ALLOWED 55'-0" 2 STORY
HEIGHT BY DESIGN 24'-5" TO RIDGE OF ROOF 1 STORY

OCCUPANT LOAD (IBC SECT. 1004 & TABLE 1004.1.2, NFPA T-7.3.1.2) =

FUNCTION OF SPACE	OCCUPANT LOAD FACTOR	SF AREA	OCCUPANT LOAD
EXISTING STORAGE	500 GROSS	2,402	5
NEW STORAGE	500 GROSS	1,392	3
		TOTAL:	8

REQUIRED MEANS OF EGRESS
PER NFPA 101: 8 PEOPLE * .2" PER PERSON = 1.6" REQUIRED
EGRESS CAPACITY PROVIDED: 2 DOORS * 34" = 68"
TOTAL EGRESS CAPACITY PROVIDED: = 68"

TRAVEL DISTANCES

COMMON PATH	(NFPA 12.2.5.1.2)	75 FT
DEAD END	(NFPA 12.2.5.1.3)	20 FT
TRAVEL DISTANCE	(NFPA 12.2.6.7)	200 FT

FIRE RESISTANCE RATING REQUIRED (IBC TABLE 601, NFPA TABLE A-8-2.1.2)

	IBC	NFPA
STRUCTURAL FRAME ***including columns, girders and trusses	0 HR	0 HR
BEARING WALLS		
EXTERIORS	0 HR	0 HR
INTERIORS	0 HR	0 HR
NONBEARING WALLS & PARTITIONS		
EXTERIORS	0 HR	0 HR
INTERIORS	0 HR	0 HR
FLOOR CONSTRUCTION ***including supporting beams & joists	0 HR	0 HR
ROOF CONSTRUCTION ***including supporting beams & joists	0 HR	0 HR

REQUIRED SEPARATION OF OCCUPANCIES (IBC T-508.4, NFPA T-6.1.14.4.1)

	IBC	NFPA
NON SEPARATED OCCUPANCIES A-3 & B	0 HR	0 HR

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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CLIENT: AUGUSTA UTILITIES DEPARTMENT
PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION
PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

WATSON LEE DORN, III — 08/11/2022
GEORGIA — JOHNSON, LASCHOBER & ASSOC., PC — No. PEF000356 — EXPIRATION DATE: JUNE 30, 2024 — CERTIFICATE OF AUTHORIZATION

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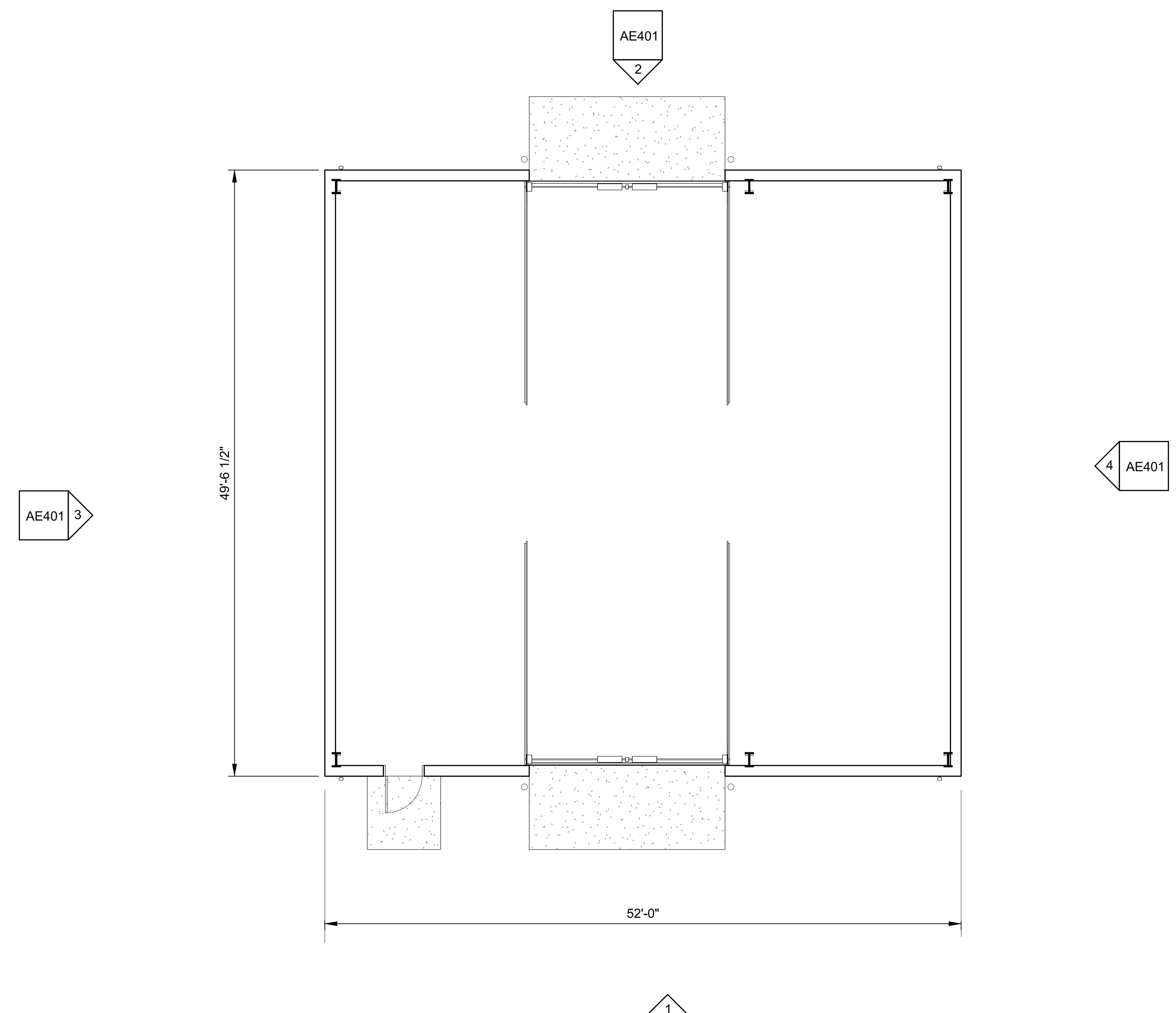
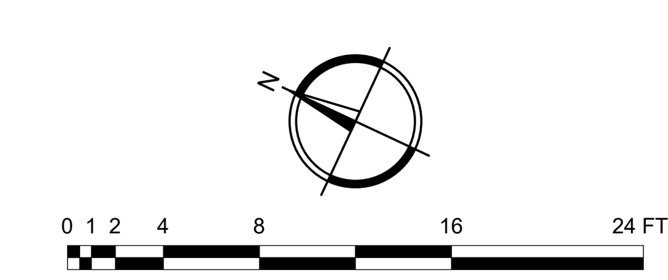
PROJECT NO.	3042.2104
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/11/2022
SHEET TITLE:	LIFE SAFETY PLAN & CODE ANALYSIS
SCALE	AS NOTED
DRAWING NO.	G-002
REV.	1



1 AE001 **EXISTING FLOOR PLAN**
SCALE: 1/8" = 1'-0"



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STATE OF GEORGIA — WATSON LEE DORN, III — REGISTERED ARCHITECT — 08/11/2022

GEORGIA — JOHNSON, LASCHOBER & ASSOC., PC — No. PEF000356 — EXPIRATION DATE: JUNE 30, 2024 — CERTIFICATE OF AUTHORIZATION

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DRAWN BY:	CTH
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DATE:	08/11/2022

SHEET TITLE: **EXISTING FLOOR PLAN**

SCALE: AS NOTED

DRAWING NO. **AE001** REV. **1**

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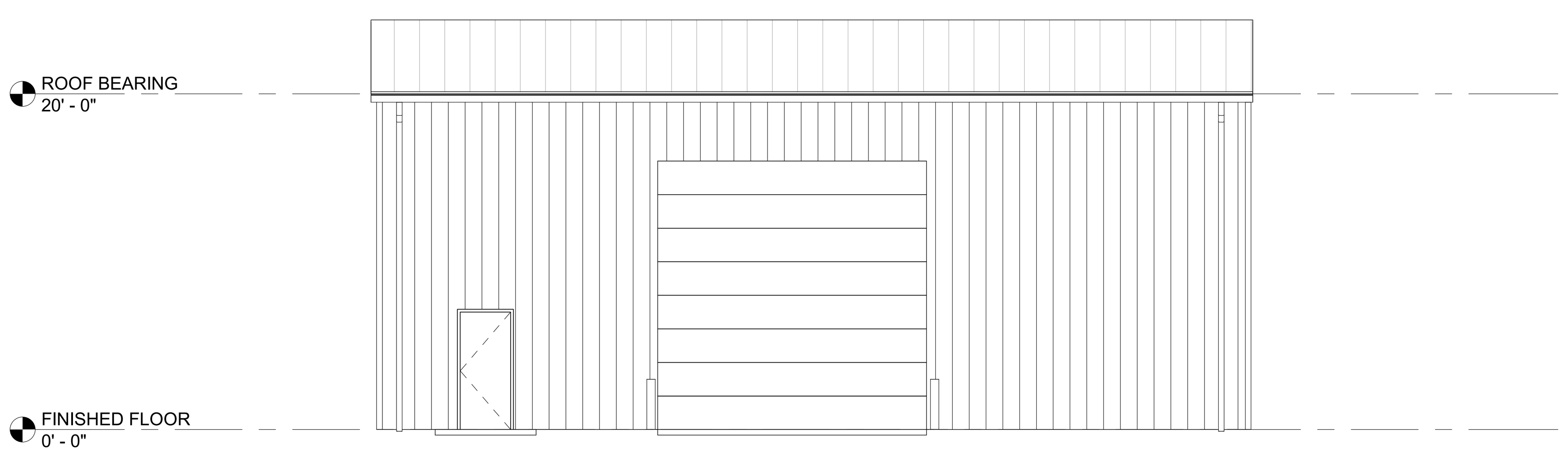
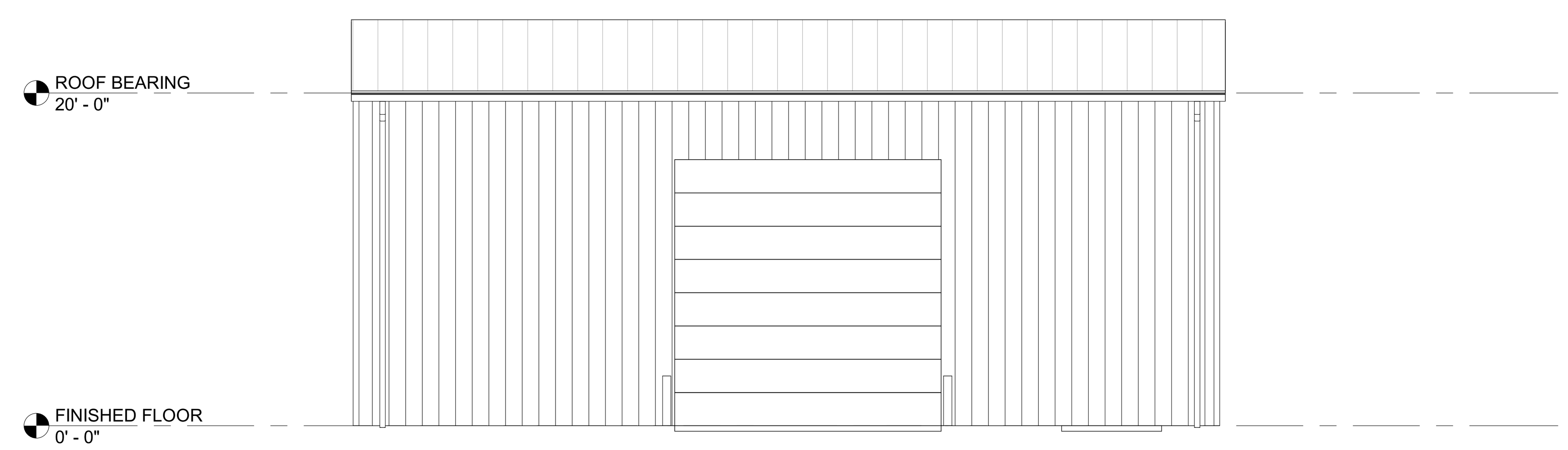
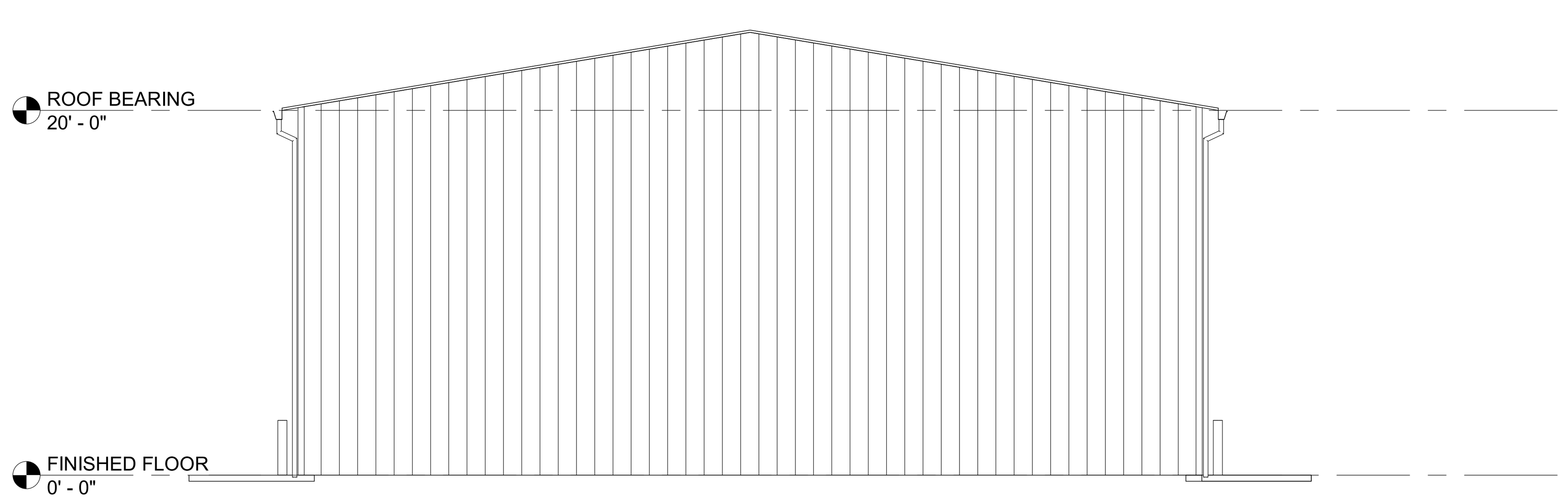


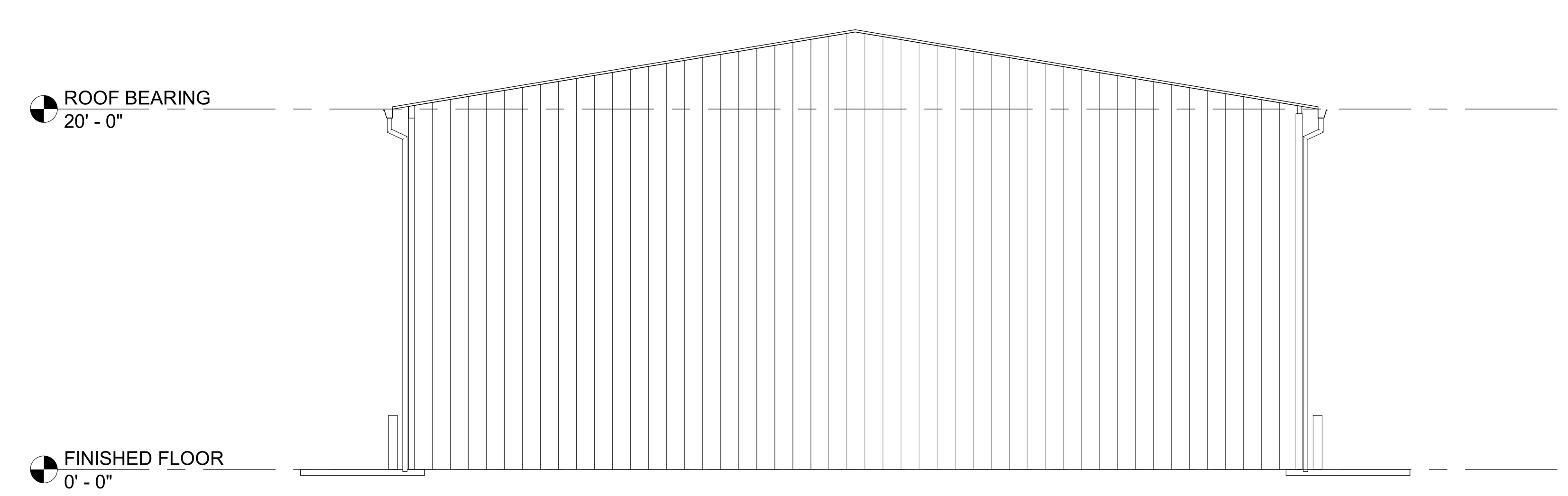
1 AE401 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"



2 AE401 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



3 AE401 **WEST ELEVATION**
SCALE: 1/8" = 1'-0"



4 AE401 **EAST ELEVATION**
SCALE: 1/8" = 1'-0"

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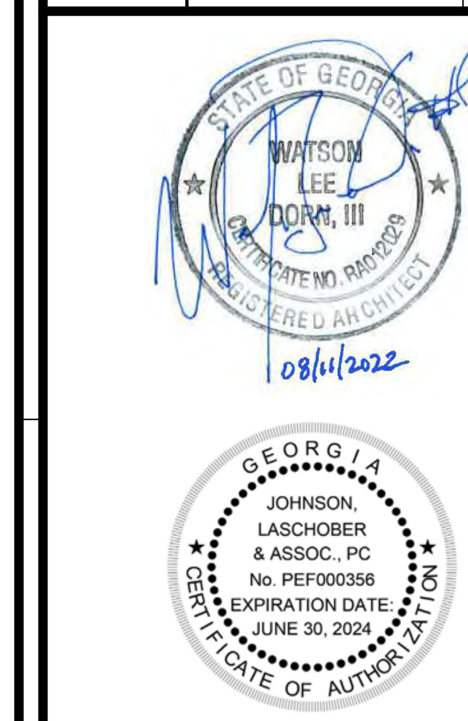
PROJECT NAME: **FORT EISENHOWER UTILITY SHED EXPANSION**

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905



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PROJECT NO.	3042.2104
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DATE:	08/11/2022

SHEET TITLE:
EXISTING ELEVATIONS

SCALE: AS NOTED

DRAWING NO. **AE401** REV. **1**

1 / A-001 **SITE PLAN**
SCALE: 1" = 30'-0"

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STATE OF GEORGIA — WATSON LEE DORN, III — REGISTERED ARCHITECT — 08/11/2022

GEORGIA — JOHNSON, LASCHOBER & ASSOC., PC — No. PEF000356 — EXPIRATION DATE: JUNE 30, 2024 — CERTIFICATE OF AUTHORIZATION

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SHEET TITLE:
ARCHITECTURAL SITE PLAN

SCALE: AS NOTED

DRAWING NO. **A-001** REV. **1**

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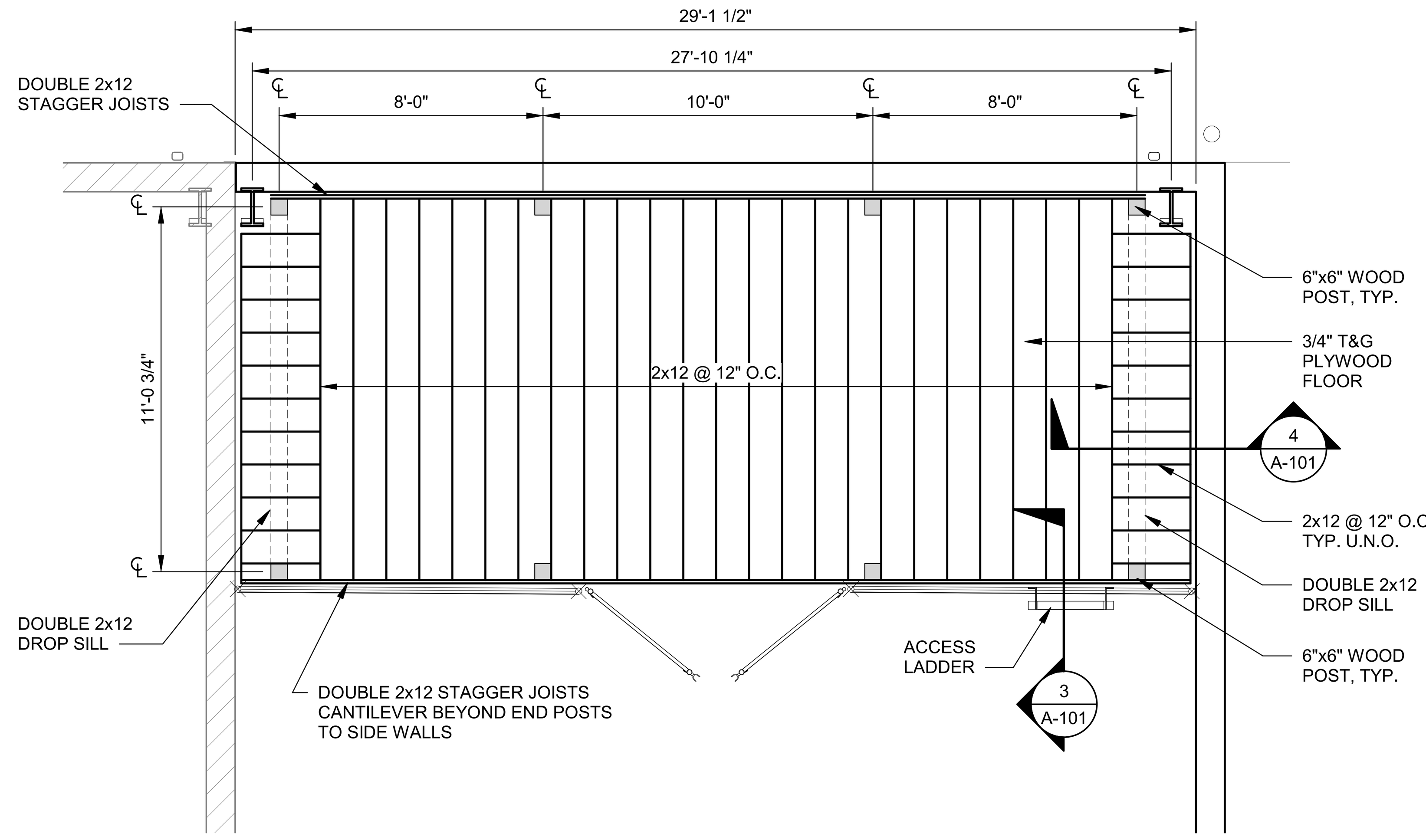
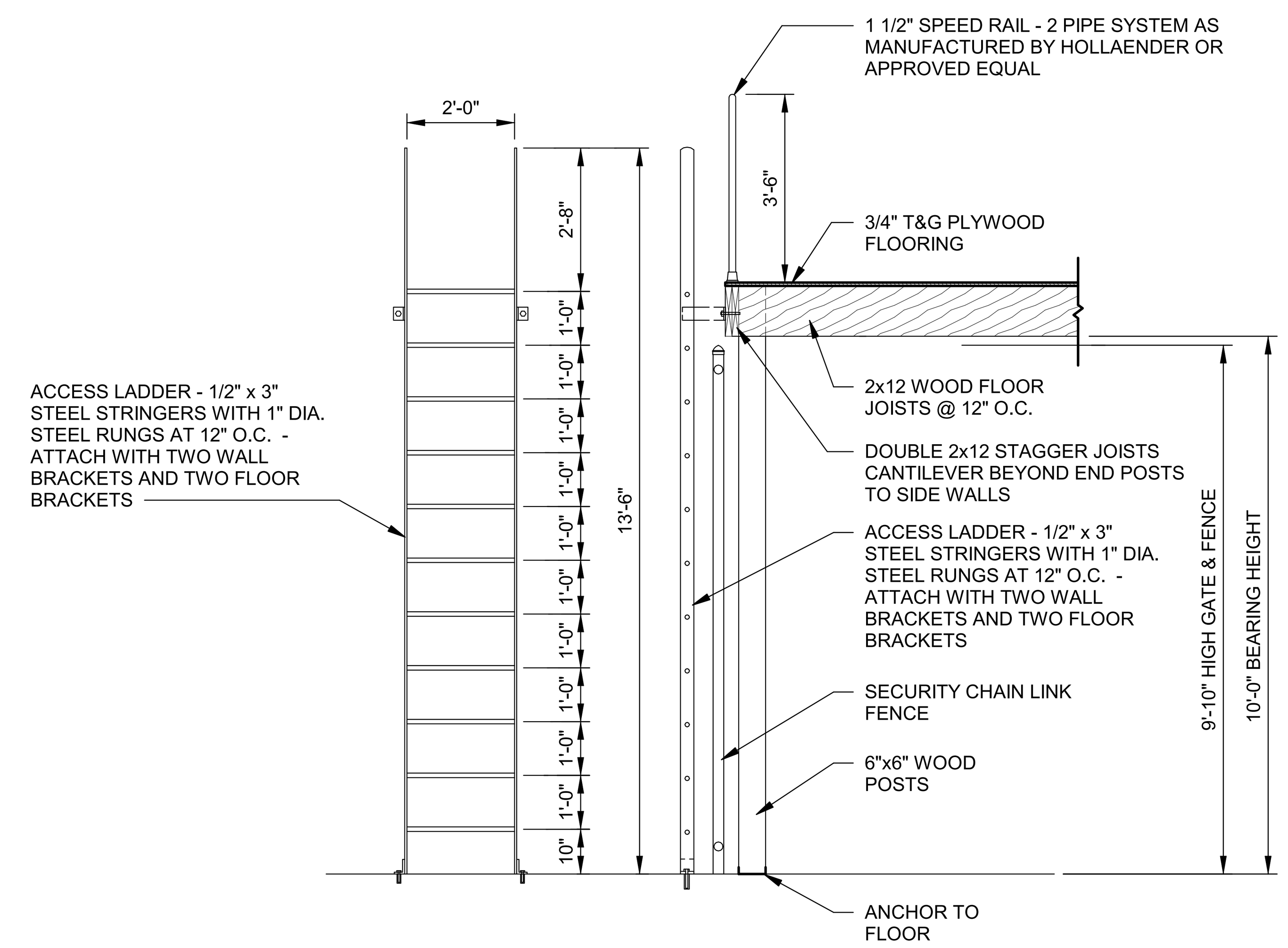
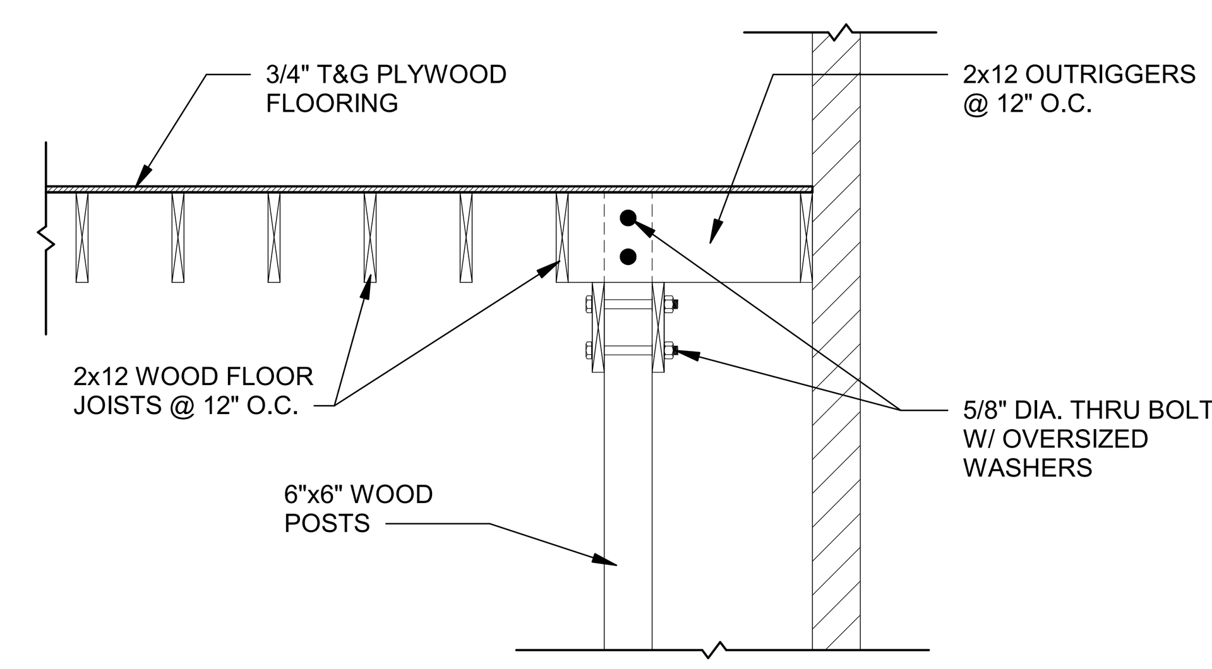


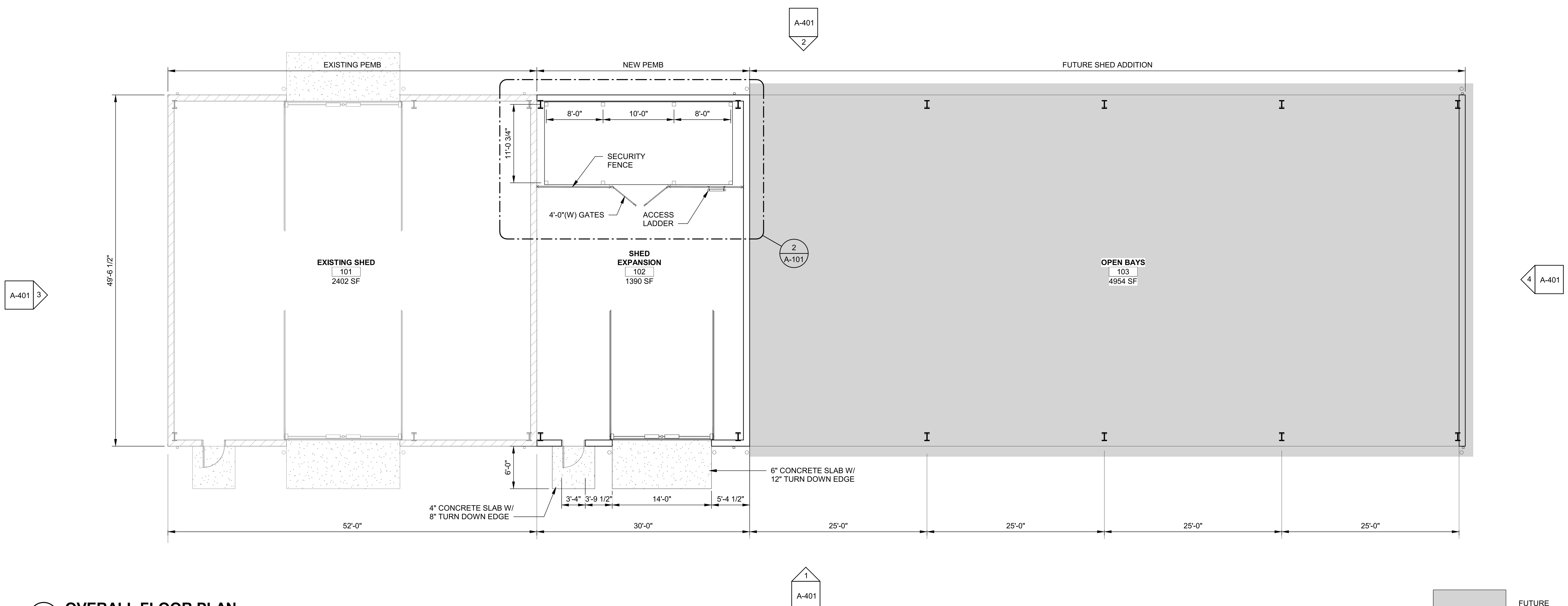
2 A-101 **MEZZANINE FRAMING PLAN**
SCALE: 1/4" = 1'-0"



3 A-101 **LADDER DETAIL**
SCALE: 3/8" = 1'-0"



4 A-101 **DETAIL**
SCALE: 1/2" = 1'-0"



1 A-101 **OVERALL FLOOR PLAN**
SCALE: 1/8" = 1'-0"

FUTURE WORK

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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CLIENT: AUGUSTA UTILITIES DEPARTMENT

PROJECT NAME: **FORT EISENHOWER UTILITY SHED EXPANSION**

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

STATE OF GEORGIA REGISTERED ARCHITECT WATSON LEE DORN, III 08/11/2022

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

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PROJECT NO.	3042.2104
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/11/2022

SHEET TITLE:
OVERALL FLOOR PLAN

SCALE	AS NOTED
DRAWING NO.	REV.
A-101	1

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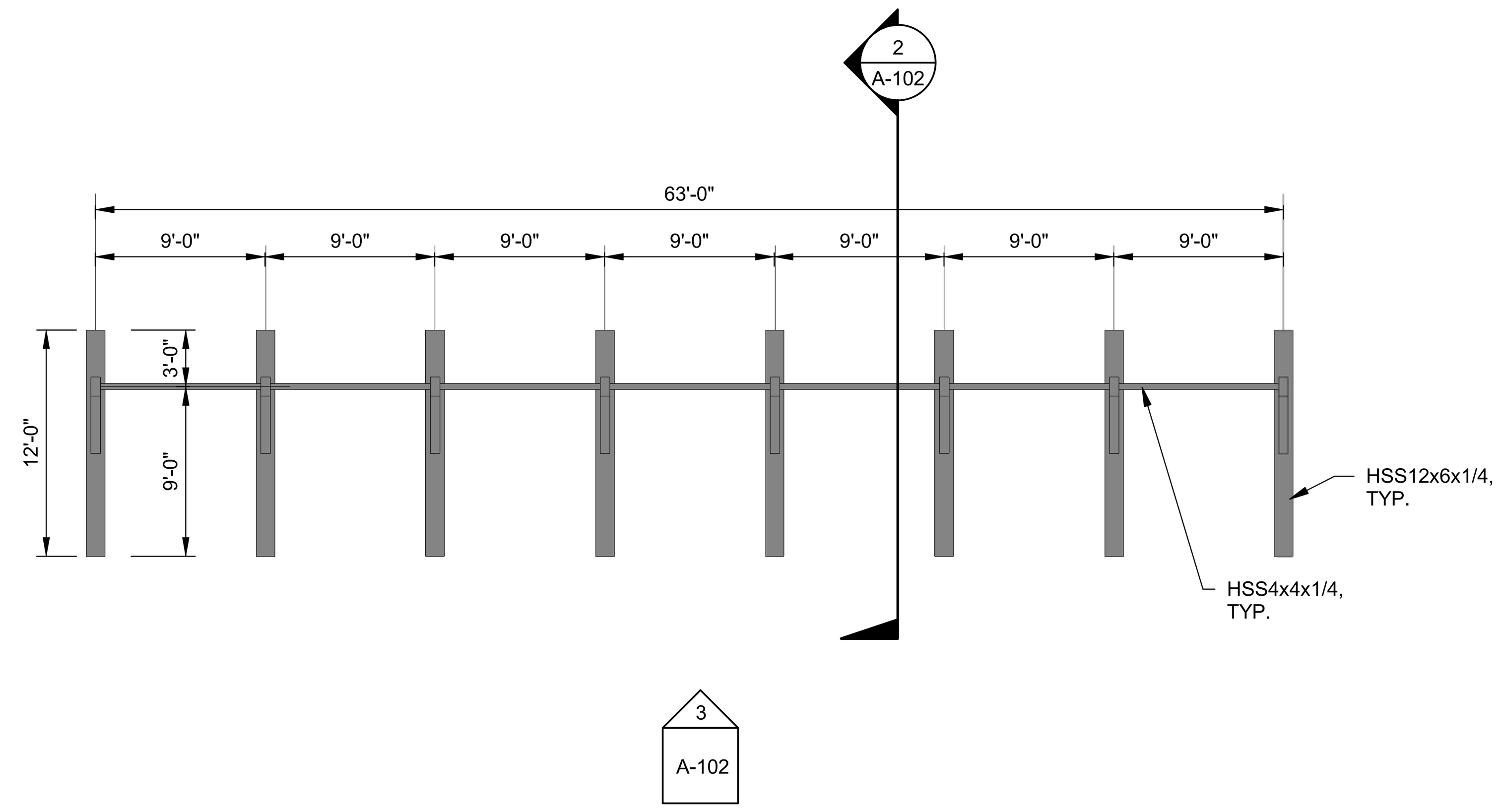
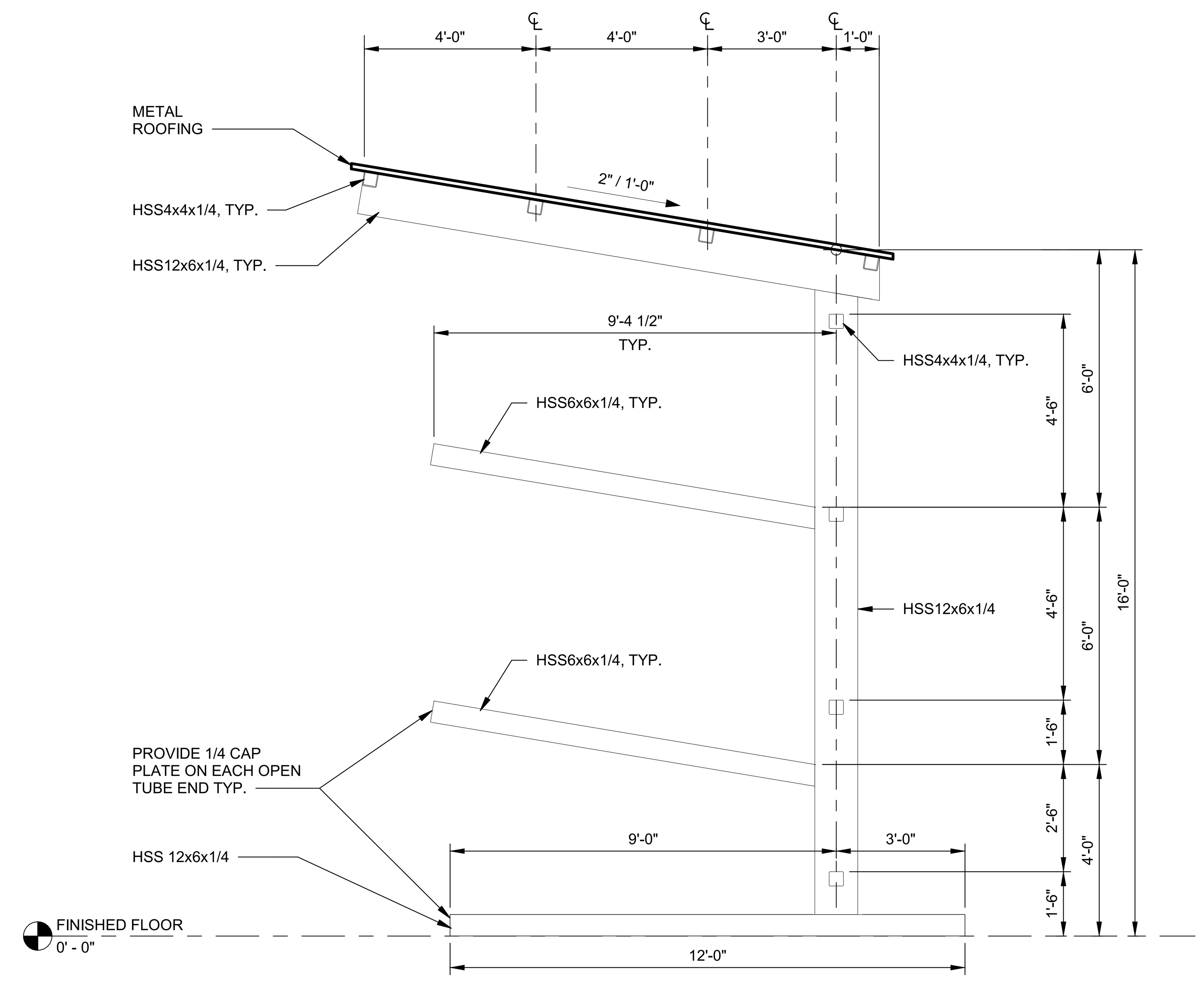


1 A-102 **PLAN VIEW - PIPE STORAGE RACK - (ALTERNATE #1)**
SCALE: 1/8" = 1'-0"



2 A-102 **SECTION**
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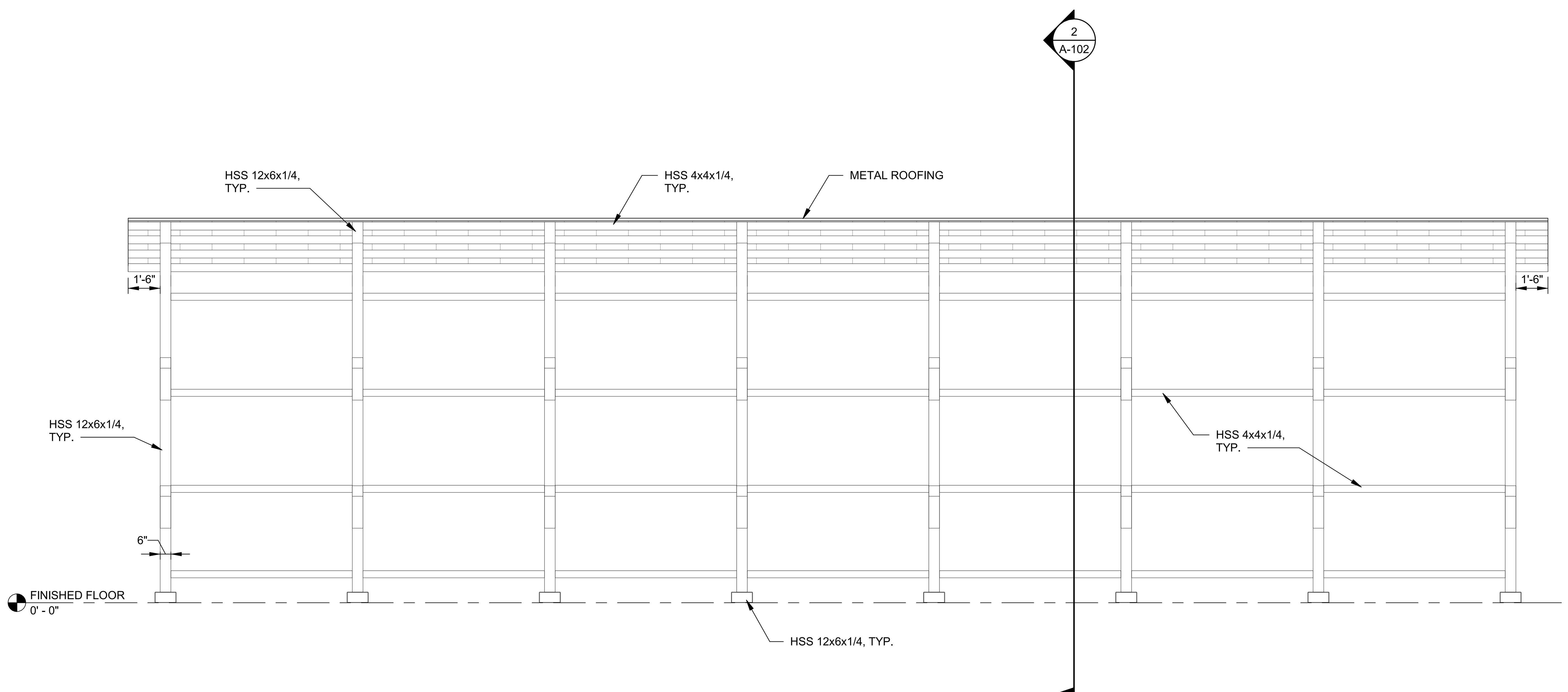
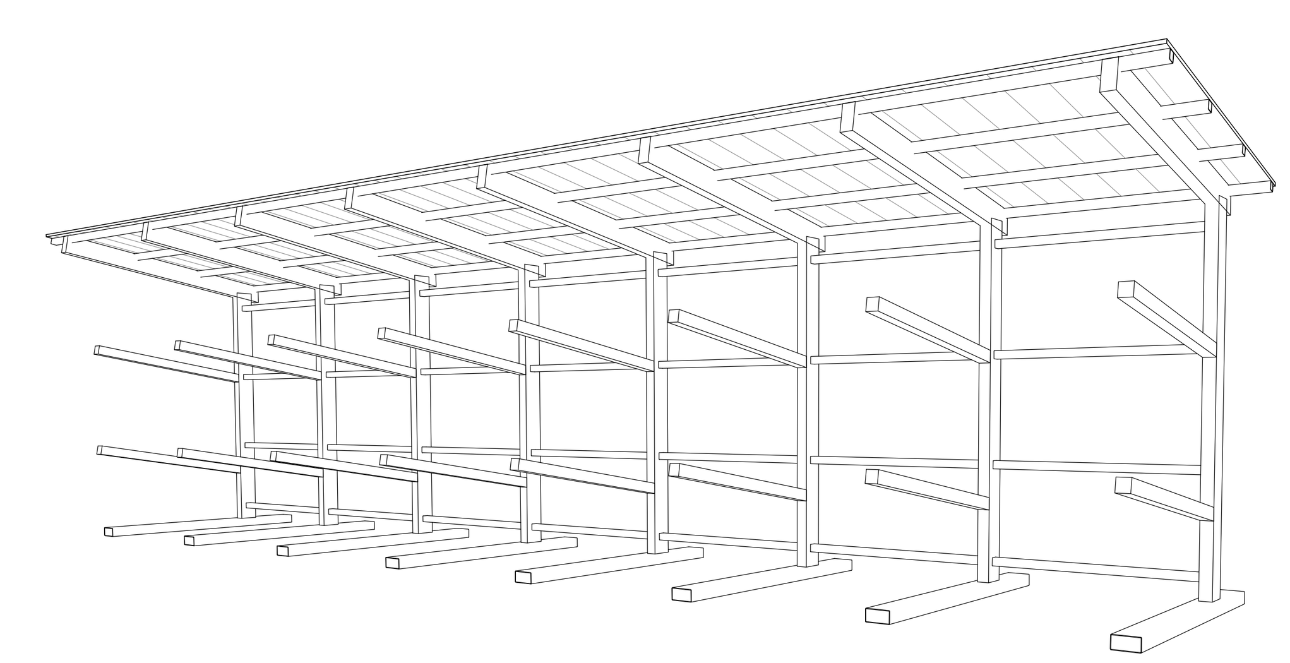


3 A-102 **ELEVATION - PIPE STORAGE RACK**
SCALE: 1/4" = 1'-0"



4 A-102 **3D VIEW**
SCALE:

0 1 2 4 8 16 24 FT.
SCALE: 1/8" = 1'-0"

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CLIENT: AUGUSTA UTILITIES DEPARTMENT

PROJECT NAME: **FORT EISENHOWER UTILITY SHED EXPANSION**

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

STATE OF GEORGIA — WATSON LEE DORN, III — CERTIFICATE NO. RA012053 — REGISTERED ARCHITECT — 08/11/2022

GEORGIA — JOHNSON, LASCHOBER & ASSOC., PC — No. PEF000356 — EXPIRATION DATE: JUNE 30, 2024 — CERTIFICATE OF AUTHORIZATION

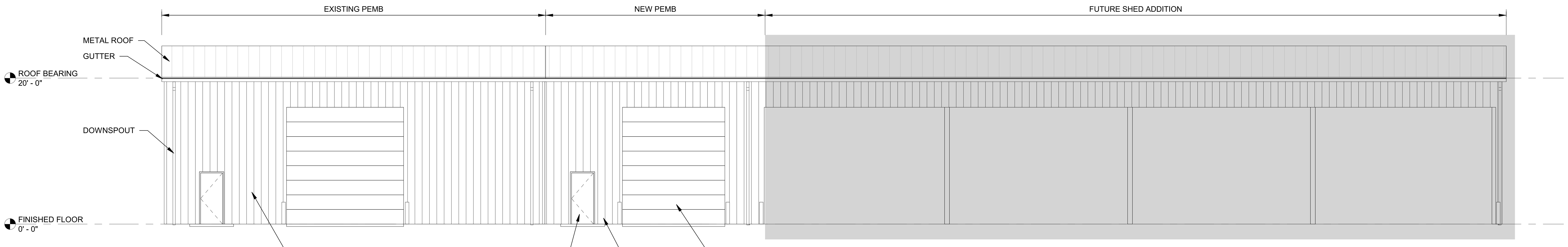
REV	DATE	BY	DESCRIPTION
1	09/19/23	WLD	ISSUED FOR BID
0	08/11/22	WLD	ISSUED FOR PERMIT/CONSTRUCTION

PROJECT NO.	3042.2104
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/11/2022

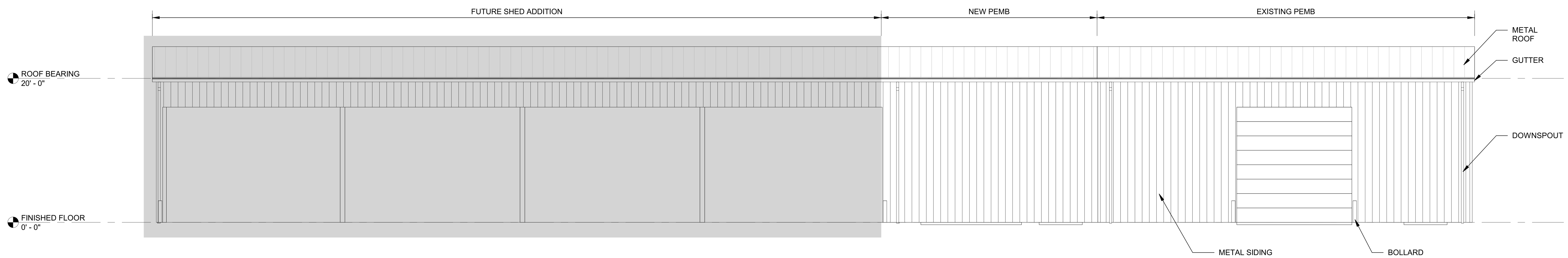
SHEET TITLE:
PIPE STORAGE RACK

SCALE	AS NOTED
DRAWING NO.	REV.
A-102	**1**

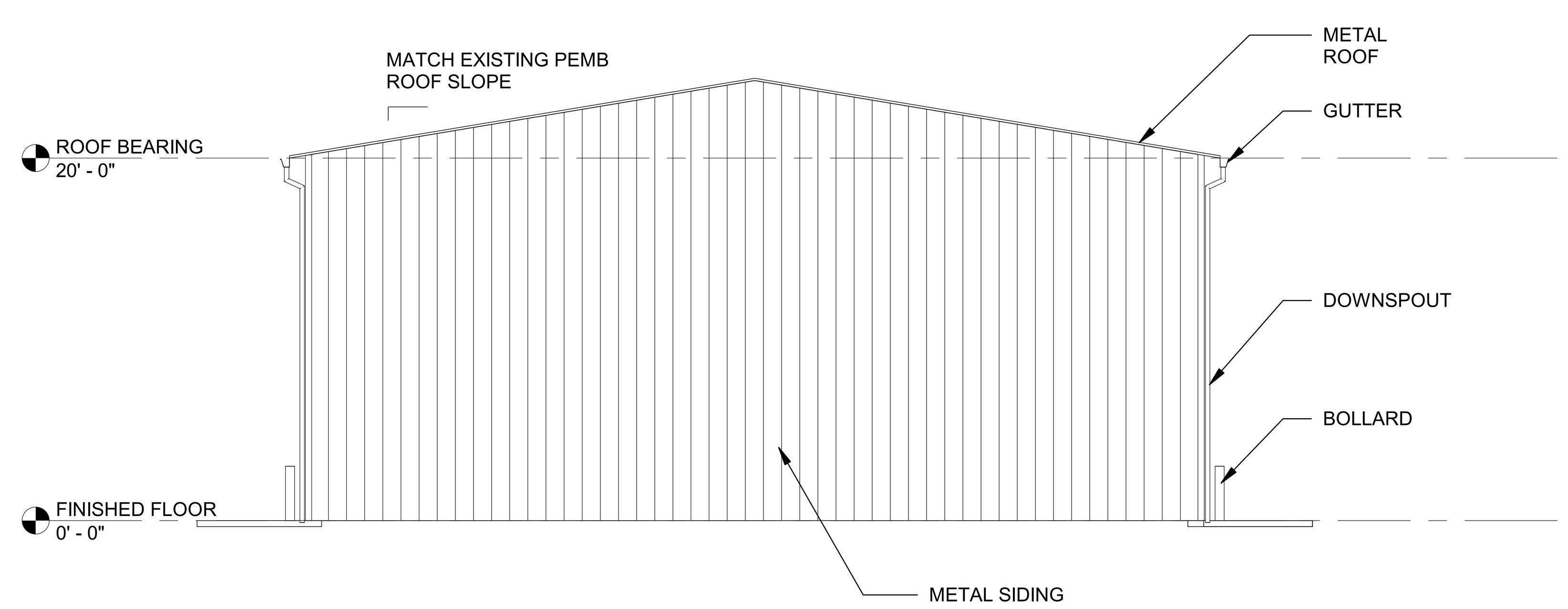
C:\Revit - Local Projects\3042.2104_AUD Fort Gordon Maintenance Vehicle Shed\3042.2104_Architectural-Local_chollroyd.rvt
9/19/2023 8:43:31 AM
JLA-24X36 RFA REV. 04/01/2021 BLB



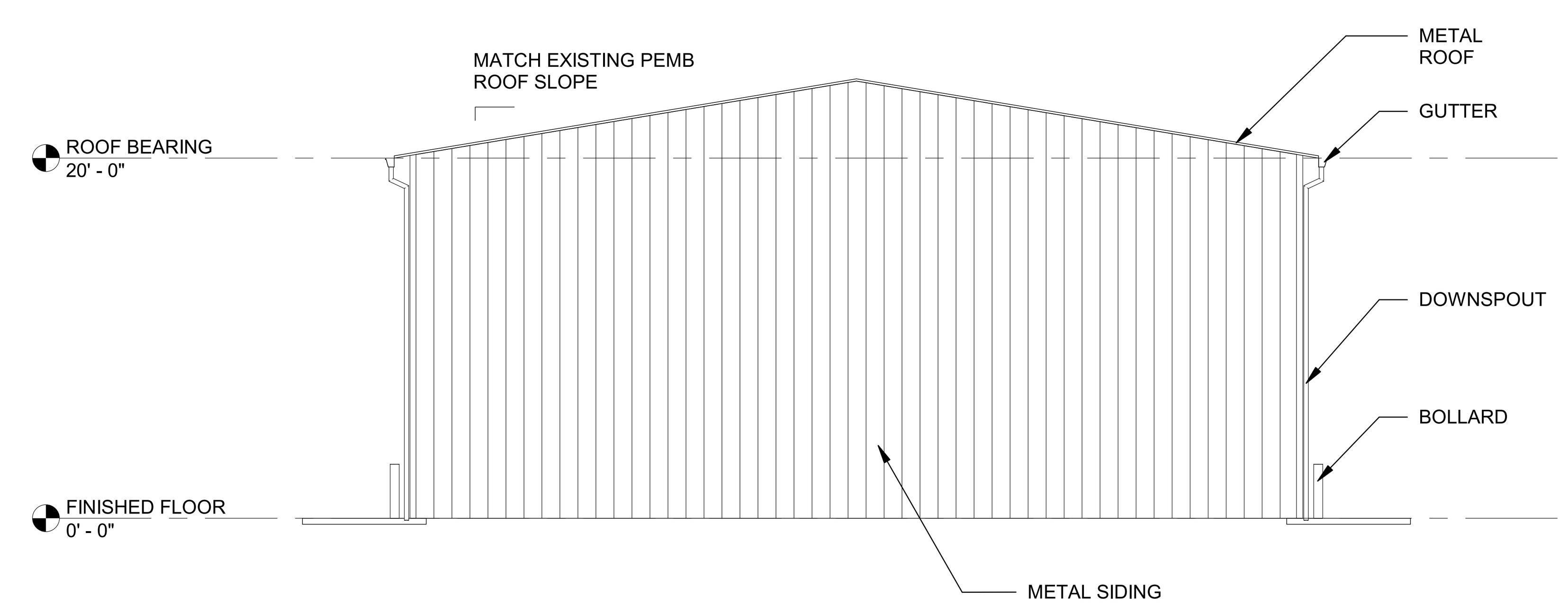
1 A-401 **SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"



2 A-401 **NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



3 A-401 **EXISTING WEST ELEVATION**
SCALE: 1/8" = 1'-0"



4 A-401 **NEW EAST ELEVATION**
SCALE: 1/8" = 1'-0"

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CLIENT: AUGUSTA UTILITIES DEPARTMENT

PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION

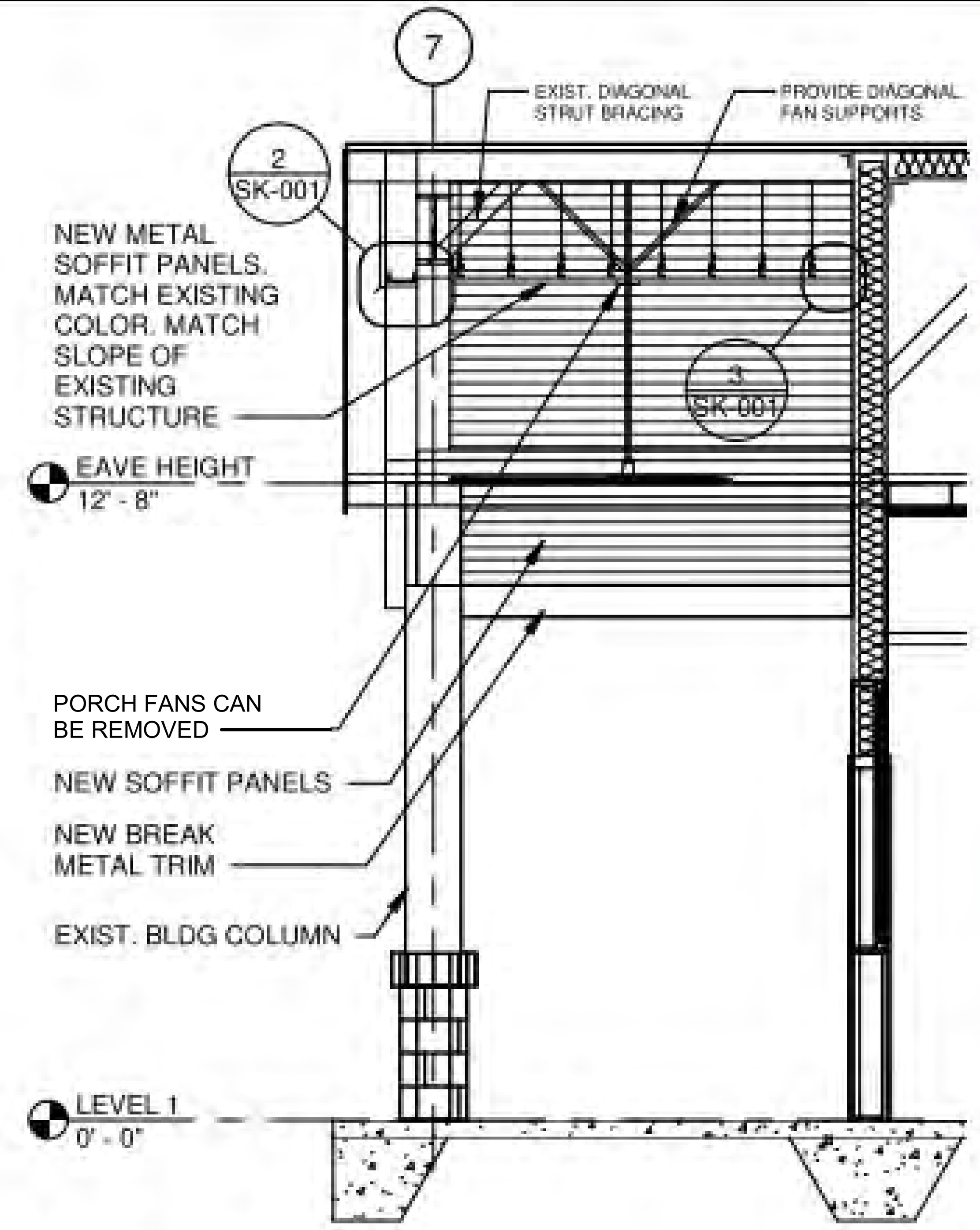
PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

REV	DATE	BY	DESCRIPTION
1	09/19/23	WLD	ISSUED FOR BID
0	08/11/22	WLD	ISSUED FOR PERMIT/CONSTRUCTION

PROJECT NO.	3042.2104
DRAWN BY:	CTH
CHECKED BY:	WLD
DATE:	08/11/2022

SHEET TITLE:
EXTERIOR ELEVATIONS

SCALE: AS NOTED
DRAWING NO.: **A-401**
REV.: **1**



1 SK-001 **SECTION**
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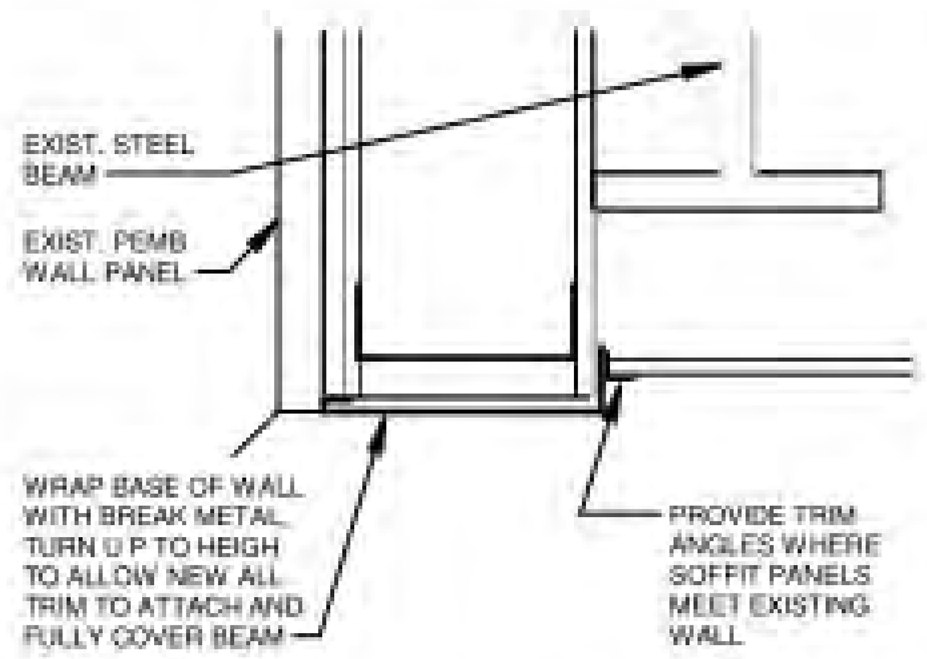
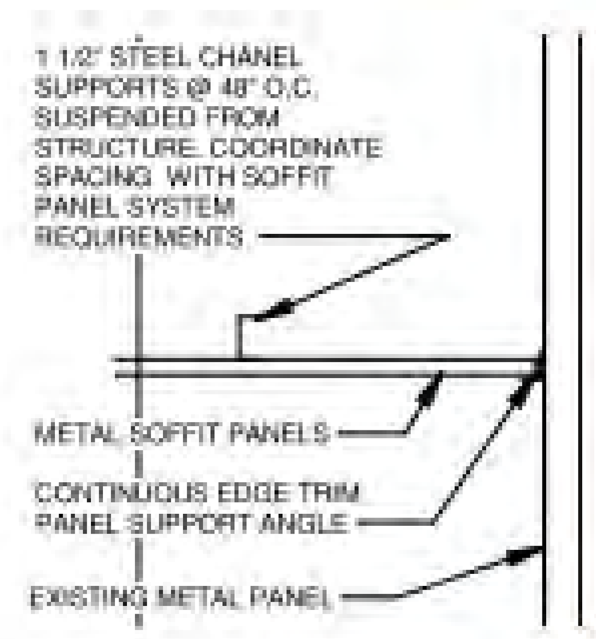
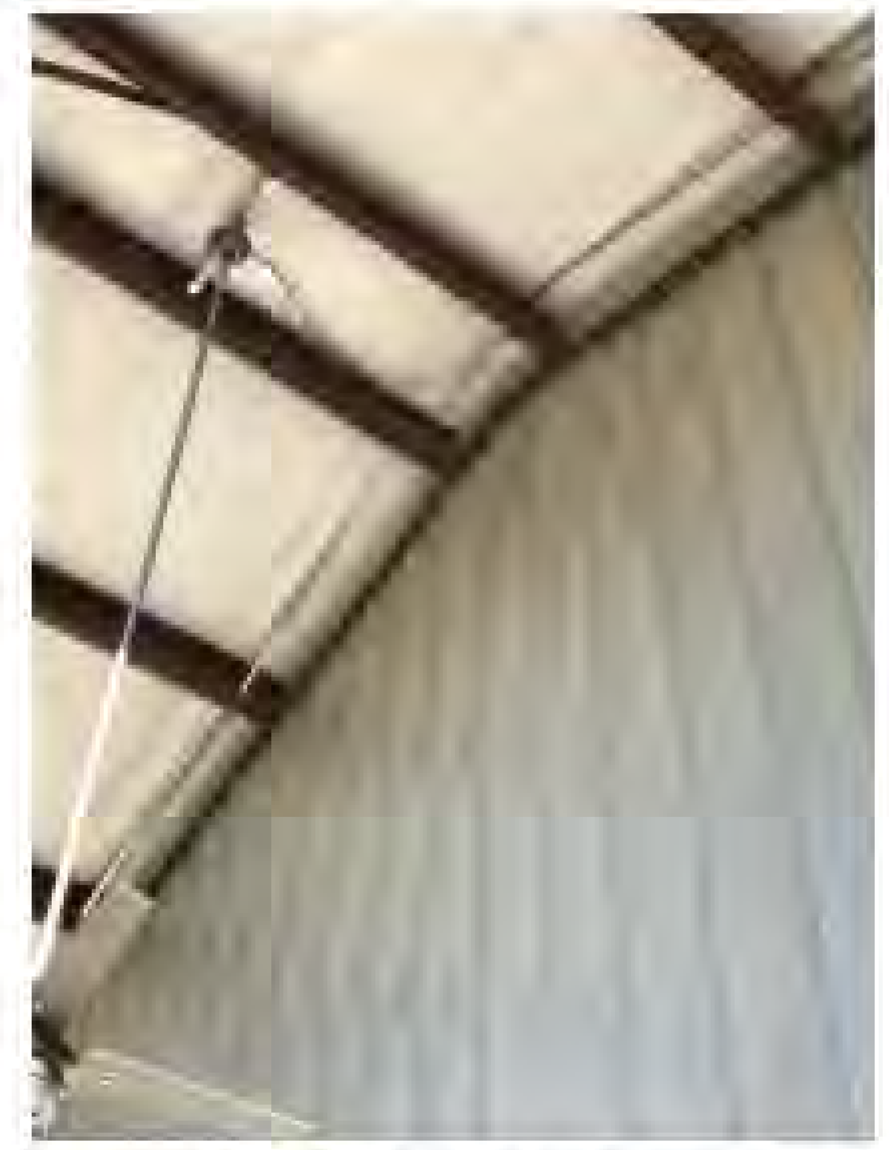


2 SK-001 **DETAIL 1**
NO SCALE



3 SK-001 **DETAIL 2**
NO SCALE

4 SK-001 **PHOTO DETAIL**
NO SCALE



5 SK-001 **PHOTO DETAIL**
NO SCALE

6 SK-001 **PHOTO DETAIL**
NO SCALE

7 SK-001 **PHOTO DETAIL**
NO SCALE

9 SK-001 **PHOTO DETAIL**
NO SCALE

NOTES:

1. MATCH EXISTING SOFFIT PANEL PROFILE AND COLOR. PROVIDE ALL TRIM AND BREAK METAL REQUIRED TO ACHIEVE COMPLETE FINISHED JOB.
2. PROVIDE ALL REQUIRED SUPPORT CABLES AND CHANNEL FRAMING TO INSTALL SOFFIT SECURELY.
3. COORDINATE EXACT SOFFIT HEIGHT WITH EXISTING CEILING FANS AND WALL MOUNTED LIGHTS.
4. ALL EXPOSED RED IRON TO BE COVERED BY PREFINISHED BREAK METAL OR WALL PANEL MATERIAL TO MATCH EXISTING PROFILE AND COLOR.

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AUGUSTA UTILITIES DEPARTMENT
DORSEY DRIVE, FORT GORDON, GA 30905

FORT GORDON ADMINISTRATION BUILDING EXPANSION

NEW SOFFIT PANEL AT PORCH

JOHNSON, LASCHOBER & ASSOCIATES, P.C.
1296 BROAD STREET AUGUSTA, GEORGIA 30901
TEL (706) 724-5756 FAX (706) 724-3955

SCALE	DATE	PROJECT NO	DRAWINGS NO	REV
As indicated	08/20/2021	3042-1601	SK-001	A

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CLIENT: AUGUSTA UTILITIES DEPARTMENT

PROJECT NAME: **FORT EISENHOWER UTILITY SHED EXPANSION**

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

STATE OF GEORGIA — WATSON LEE DORN, III — REGISTERED ARCHITECT — 08/11/2022

GEORGIA — JOHNSON, LASCHOBER & ASSOC., PC — No. PEF000356 — EXPIRATION DATE: JUNE 30, 2024 — CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
0	08/11/22	WLD	ISSUED FOR PERMIT/CONSTRUCTION
1	09/19/23	WLD	ISSUED FOR BID

PROJECT NO.	3042.2104
DRAWN BY:	JAP
CHECKED BY:	WLD
DATE:	08/11/2022

SHEET TITLE:
NEW SOFFIT PANEL AT PORCH OF MAIN OFFICE BUILDING

SCALE: AS NOTED

DRAWING NO. **ALT-2** REV. **1**

0 0.5 1 2 4 8 12 FT.
SCALE: 1/4" = 1'-0"

GENERAL NOTES - STRUCTURAL TESTS & SPECIAL INSPECTIONS (IBC 2018)

GENERAL

1. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS FOR FURTHER REQUIREMENTS.
2. ALL REFERENCES TO STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS.
3. DESIGN BASIS: 2018 INTERNATIONAL BUILDING CODE (IBC) WITH GA AMENDMENTS
   - A. GENERAL
     RISK CATEGORY = II
   - B. WIND:
     ULTIMATE DESIGN WIND SPEED = 112 MPH
     WIND EXPOSURE CATEGORY = B
     INTERNAL PRESSURE COEFFICIENT = 0.18 ± (ENCLOSED BUILDING)
   - C. SEISMIC:
     SEISMIC IMPORTANCE FACTOR Ie = 1.0
     MAPPED SPECTRAL RESPONSE ACCEL. (SHORT PERIODS) Ss = 0.26
     MAPPED SPECTRAL RESPONSE ACCEL. (1 SECOND PERIOD) S1 = 0.10
     SITE CLASS = D
     SPECTRAL RESPONSE COEFFICIENT (SHORT PERIODS) SDS = 0.27
     SPECTRAL RESPONSE COEFFICIENT (1 SECOND PERIOD) SD1 = 0.15
     SEISMIC DESIGN CATEGORY = C
     ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE
   - D. LIVE LOADS:
     ROOF: 20 psf
     GRADE-SUPPORTED SLAB: 1000 psf
     WOOD-FRAMED MEZZANINE: 100 psf
   - E. SNOW LOAD
     GROUND: 5 psf
4. ABBREVIATIONS:

T	TOP (BAR)	FIN	FINISH	REINF	REINFORCING		
B	BOTTOM (BAR)	FLR	FLOOR	TRS	TRUSS		
INT	INTERIOR	CLR	CLEAR	STL	STEEL		
EXT	EXTERIOR	T/*	TOP OF *	WD	WOOD		
EL	ELEVATION	B/*	BOTTOM OF *	CONC	CONCRETE		
O.C.	ON CENTER	W/*	WITH *	MSNRY	MASONRY		
O.W.	EACH WAY	GA	GAGE/GAUGE	L.G.	LIGHT GAGE		
O.F.	EACH FACE	EQ	EQUAL	APPROX	APPROXIMATE		
N.S.	NEAR SIDE	FTG	FOOTING	SPC'S	SPACE/SPACES/SPECS		
F.S.	FAR SIDE	TYP	TYPICAL	U.N.O.	UNLESS NOTED OTHERWISE		
W.P.	WORK POINT	JST	JOIST	PLCS	PLACES		
EX.	EXISTING	(E)	EXISTING	H.R.	HANDRAIL		
o/o	OUT-TO-OUT	EOS	EDGE OF SLAB	FOC	FACE OF CONCRETE		
EXIST.	EXISTING			CONC.	CONCRETE		

5. UNLESS OTHERWISE NOTED, REQUIREMENTS GIVEN FOR ONE LOCATION ALSO APPLY AT OTHER LOCATIONS AT WHICH CONDITIONS ARE SIMILAR. THE REQUIREMENTS GIVEN SHALL BE ADAPTED TO CONDITIONS AT SIMILAR LOCATIONS.
6. COORDINATE WORK OF OTHER TRADES SHOWN ON DRAWINGS WITH STRUCTURAL WORK.
7. SHOP DRAWINGS FOR ANY PART OF THE STRUCTURAL WORK SHALL SHOW THE INTERFACE WITH OTHER RELATED TRADES. THE CONTRACTOR SHALL VERIFY DIMENSIONS, LOCATIONS, MATERIALS, ETC. OF RELATED TRADES BY CERTIFIED MANUFACTURER'S DRAWINGS AND SO INDICATE BEFORE SUBMITTING SHOP DRAWINGS FOR ARCHITECT/ENGINEER'S APPROVAL.
8. THE DESIGN OF THE STRUCTURE SHOWN IS BASED ON INTERACTION OF VARIOUS CONNECTED PARTS AND THE DESIGN LOADS NOTED ABOVE. THE STRENGTH AND STABILITY OF CONSTRUCTION UNDERWAY MAY REQUIRE SUPPLEMENTAL TEMPORARY SUPPORTS, BRACING OR OTHER MEASURES. THE CONTRACTOR SHALL DETERMINE THE NEED OF SUCH TEMPORARY SUPPORT DURING CONSTRUCTION AND PROVIDE ALL SUCH MEASURES.

EARTHWORK/FOUNDATION

1. FOUNDATION DESIGN BASIS: BASED ON PRESUMPTIVE VALUES OUTLINED IN IBC 2018, SECTION 1806. ALLOWABLE BEARING CAPACITY IS 1,500 PSF, MAXIMUM.
2. NO BLASTING WILL BE ALLOWED.
3. CONTROL OF GROUND WATER, IF REQUIRED, SHALL BE ACCOMPLISHED IN A MANNER THAT WILL PRESERVE THE STRENGTH OF THE FOUNDATION SOILS, WILL NOT CAUSE INSTABILITY OF THE EXCAVATION SLOPES, AND WILL NOT RESULT IN DAMAGE TO EXISTING STRUCTURES.
4. COORDINATE FOUNDATION WORK WITH ALL OTHER TRADES.
5. PIPES AND OTHER WORK WHICH REQUIRE EXCAVATING OR TRENCHING ADJACENT TO COLUMN FOOTINGS OR PARALLEL TO WALL FOOTINGS, SHALL NOT BE LOCATED BELOW LINES EXTENDING DOWNWARD FROM THE BOTTOM EDGE OF THE FOOTING AT A 45 DEGREE ANGLE FROM HORIZONTAL.
6. EXCAVATIONS FOR FOOTINGS, GRADE BEAMS, MATS AND OTHER FOUNDATIONS BUILT NEXT TO OR AROUND EXISTING FOUNDATIONS, SHALL NOT EXTEND BELOW THE BOTTOM SURFACE OF THE EXISTING FOOTING UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DESIGN DRAWINGS. HOLES ADJACENT TO EXISTING FOOTINGS (CLOSER TO THE FOOTING EDGE THAN THE HOLE DEPTH) CAN NOT BE OVER-EXCAVATED AND FILLED TO ACCOUNT FOR BAD SOIL UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.
7. ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS INCLUDING ELEVATION, SIZE AND THICKNESS OF FOUNDATIONS SHALL BE INDICATED BY THE GENERAL CONTRACTOR ON THE REINFORCING SHOP DRAWINGS. SUCH PROPOSED DEVIATIONS SHALL BE CIRCLED AND NOTED "ENGINEER VERIFY".
8. STRUCTURAL FILL SHALL BE PLACED IN LIFTS NO MORE THAN 8" THICK WITH A COMPACTION OF 95% STANDARD PROCTOR (PER ASTM D-698) MAXIMUM DRY DENSITY.

CONCRETE

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH ACI 318-14, AND THE FOLLOWING:
   - A. CONCRETE STRENGTHS AND MIXES SHALL BE AS FOLLOWS:

STRENGTH(PSI)	AIR(%)	CEMENT(# MIN)	W/C RATIO	SLUMP	AGGREGATE(MAX.)	LOCATION
2,000	**	TYPE 1 (376)	-	-	-	CONDUIT ENCASEMENT AND BACKFILL BELOW FOOTINGS
3,000	**	TYPE 1 (517)	0.52	4" +/- 1"	3/4"	EQUIP. PADS, SPREAD FOOTINGS, WALL FOOTINGS, SHEAR WALLS, AND STAIR PAN FILL
4,000	**	TYPE 1 (611)	0.48	4" +/- 1"	3/4"	SLAB ON GRADE

   ** NATURALLY ENTRAPPED AIR ONLY UNLESS CONCRETE IS EXPOSED TO FREEZE/THAW. USE 4% TO 6% ENTRAINED AIR UNDER FREEZE/THAW CONDITION.

   *** MAXIMUM AGGREGATE SIZE TO BE 3/8".

   - B. FLY ASH PER ASTM C618, TYPE C OR F WILL BE PERMITTED PROVIDED THE FOLLOWING LIMITS ARE MET:
     1. THE QUANTITY OF CEMENT REPLACED SHALL BE NO MORE THAN 20%.
     2. CEMENT SHALL BE REPLACED BY FLY ASH AT THE RATE OF 1.25 LBS. OF FLY ASH TO 1.0 LBS OF CEMENT.
   - C. ALL CONCRETE DELIVERED TO THE SITE SHALL HAVE A COMPUTER BATCH WEIGHT TICKET. THE BATCH TICKET SHALL SHOW WEIGHTS OF ALL MATERIALS, VOLUME OF CONCRETE AND TIME BATCHED. THE BATCH WEIGHT TICKET SHALL BE GIVEN TO A DESIGNATED OWNER'S REPRESENTATIVE ON SITE AT THE TIME OF DELIVERY FOR VERIFICATION OF MIX PROPORTIONS.
   - D. CONSOLIDATE ALL CONCRETE IN FORMS AND TRENCHES WITH VIBRATORS. POORLY CONSOLIDATED CONCRETE WILL BE REJECTED AND REPLACED AT CONTRACTOR'S EXPENSE.
2. CONCRETE REINFORCING
   - A. ALL REINFORCING SHALL BE PER ASTM A-615, GRADE 60.
   - B. WELDING OF REINFORCING STEEL IS NOT PERMITTED.
   - C. REINFORCING SHALL NOT BE HEATED TO BEND.
   - D. WELDED WIRE FABRIC SHALL BE PER ASTM A-185.
3. SUBMITTALS
   - A. CONCRETE MIX DESIGNS; SHOP DRAWINGS FOR CONCRETE REINFORCING, EMBEDDED ITEMS: ACCESSORIES; AND PRODUCT DATA, ETC. SHALL BE PROVIDED TO THE OWNER'S REPRESENTATIVE AT LEAST 15 DAYS PRIOR TO THE START OF WORK FOR APPROVAL.
   - B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".
4. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE OWNER.
   - A. WHEN EXCAVATION TO REQUIRED SUBGRADE ELEVATIONS IS REACHED.
   - B. 24 HOURS PRIOR TO ANY SCHEDULED CONCRETE PLACEMENT FOR INSPECTION OF FORMWORK, REINFORCING AND EMBEDDED ITEMS.

STRUCTURAL AND MISCELLANEOUS STEEL

1. INSTALLATION OF STRUCTURAL STEEL, SHALL BE IN ACCORDANCE WITH THE FOLLOWING:
2. STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", 15TH EDITION, 2017.
3. UNLESS NOTED OTHERWISE STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
   - A. STRUCTURAL (W, S, T, I OR H) BEAMS AND COLUMNS - ASTM A-572 GRADE 50 OR ASTM A992.
   - B. STRUCTURAL (C OR MC) CHANNELS AND ANGLES - ASTM A-36
   - C. MISCELLANEOUS PLATES, BARS AND ANGLES - ASTM A-36.
   - D. ANCHOR BOLTS AND RODS - ASTM A-36 OR ASTM F1554, GRADE 36.
   - E. COLD-FORMED HOLLOW STRUCTURAL SECTIONS (HSS) - ASTM A500, GRADE B STRUCTURAL TUBING
   - F. STRUCTURAL PIPE - ASTM A53, TYPE E OR S, GRADE B. STANDARD (STD) WEIGHT, UNLESS NOTED OTHERWISE ON DRAWINGS.
4. UNLESS NOTED OTHERWISE BOLTED CONNECTIONS SHALL CONFORM TO THE FOLLOWING:
   - A. HIGH STRENGTH BOLTS - 3/4" DIAMETER ASTM F3125 GRADE A-325-N TYPE 1, HEAVY-HEX.
   - B. NUTS - HEAVY-HEX ASTM A563, GRADE C.
   - C. WASHERS - ASTM F436 TYPE 1, HARDENED (RCSC SPEC TABLE 6.1 AND PART 14 FOR ANCHOR RODS).
   - D. BOLT, NUT AND WASHER FINISH SHALL MATCH THE FINISH OF THE STEEL IT CONNECTS.
5. UNLESS NOTED OTHERWISE ON THE DESIGN DRAWINGS ALL STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE SHOP PRIMED.
6. MINIMUM SIZE WELD SHALL BE 1/4" FILLET WITH E70XX ELECTRODES. ALL WELDS SHALL CONFORM TO REQUIREMENTS OF AWS D1.1.
7. MINIMUM MATERIAL THICKNESS SHALL NOT BE LESS THAN 3/8" FOR MISCELLANEOUS PLATES.
8. INSTALL COLUMNS PLUMB BY USING STEEL WEDGES AT EDGES OF BASE PLATE TO PROVIDE FIRM BEARING. GROUT FOR SETTING PLATES SHALL BE NON-SHRINK, NON-METALLIC. WHEN GROUT HAS GAINED SUFFICIENT STRENGTH TO SUPPORT LOAD, ALL WEDGES AND SHIMS SHALL BE REMOVED AND RESULTING VOIDS FILLED WITH GROUT.
9. ALIGN AND ADJUST VARIOUS MEMBERS THAT FORM PART OF A STEEL STRUCTURE BEFORE PERMANENTLY FASTENING. MAINTAIN ERECTION TOLERANCES OF STRUCTURAL STEEL WITHIN AISC 303 "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES."
10. DO NOT USE THERMAL CUTTING DURING ERECTION OR ENLARGE HOLES BY BURNING.
11. CLEAN AND REPAIR FINISHES DAMAGED DURING ERECTION.
12. SUBMITTALS
    - A. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL, ACCESSORIES; AND PRODUCT DATA, ETC.
    - B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".

1704 SPECIAL INSPECTIONS

THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON THE TYPES OF WORK LISTED. THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.

1704.2.3 STATEMENT OF SPECIAL INSPECTIONS

THE PROVISIONS AS OUTLINED ON THESE DESIGN DOCUMENTS DEFINE THE STRUCTURAL SPECIAL INSPECTIONS APPLICABLE TO THE PROJECT. THE STATEMENT OF SPECIAL INSPECTIONS AS REQUIRED BY THE LOCAL JURISDICTION FOR PERMIT APPLICATIONS IS TO BE PREPARED USING THE INFORMATION PRESENTED HERE.

1704.2.4 REPORT REQUIREMENTS

SPECIAL INSPECTORS SHALL KEEP RECORDS OF INSPECTIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. 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 TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING REQUIRED SPECIAL INSPECTIONS AND CORRECTION OF ANY DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERMIT APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.

1704.2.5 INSPECTION OF FABRICATORS

MATERIAL/ACTIVITY	SERVICE	EXTENT
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN PLANT REVIEW	PERIODIC

1704.4 CONTRACTOR RESPONSIBILITY

EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A WIND AND/OR A SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED WIND AND/OR SEISMIC SYSTEM, OR COMPONENT LISTED IN THE QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.

1705.1.1 SPECIAL CASES

MATERIAL/ACTIVITY	SERVICE	EXTENT
ALTERNATIVE MATERIALS AND SYSTEMS, UNUSUAL DESIGN APPLICATIONS, MATERIALS AND SYSTEMS WITH SPECIAL MANUFACTURER'S REQUIREMENTS, INCLUDING PEMB FRAME STRUCTURES.	SUBMITTAL REVIEW, SHOP AND/OR FIELD INSPECTION	

WOOD FRAMING

1. ALL WOOD FRAMING SHALL BE DESIGNED AND ERECTED IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION MANUALS.
2. UNLESS NOTED OTHERWISE, ALL FRAMING SHALL BE #2 SOUTHERN PINE OR BETTER.
3. NO MEMBER STRESS INCREASES DUE TO LOAD DURATION ARE ALLOWED, I.E. DURATION FACTOR EQUAL 1.0.
4. ALL FRAMING, SILL PLATES, TOP PLATES, BRIDGING, BRACING AND ACCESSORIES SHALL MEET THE REQUIREMENTS OF THE IBC CODE. AS A MINIMUM 16d FRAMING NAILS SHALL BE USED. UNLESS NOTED OTHERWISE ALL NAIL SIZES AND NAILING PATTERNS SHALL MEET THE REQUIREMENTS OF THE IBC 2018.
5. PROVIDE PERMANENT 2X4 LATERAL BRIDGING (#2 SOUTHERN PINE OR BETTER) BETWEEN EACH FLOOR JOIST OR ROOF RAFTER. BRIDGING IS TO BE SPACED AT NO MORE THAN 8'-0" O.C.
6. MINIMUM SILL PLATE FASTENING TO CONCRETE OR MASONRY SHALL BE 1/2" DIAMETER ANCHOR BOLTS SPACED AT 4'-0" O.C. FOR BEARING WALLS AND SHEAR WALLS. ANCHOR BOLTS MAY BE CAST-IN-PLACE WITH A 7" MINIMUM EMBEDMENT AND AN OVERSIZED WASHER UNDER THE NUT, OR ADHESIVE TYPE ANCHORS.
7. VOIDS BENEATH BOTTOM PLATE SHALL NOT BE PERMITTED. CONTRACTOR SHALL PROVIDE A REASONABLY LEVEL SLAB WITH A TOLERANCE OF 1/8" IN 10 FEET. WHERE UNEVENNESS OF SUPPORTING FLOOR PREVENTS CONTINUOUS SOLID BEARING, PLATE SHALL BE LEVELED BY PLACING MORTAR OR GROUT BENEATH TRACK.
8. ALL WOOD MEMBERS IN CONTACT WITH CONCRETE OR ABOVE THE PLANE OF ROOF SHALL BE PRESSURE TREATED.
9. EXTERIOR WALL SHEATHING SHALL BE FASTENED TO WALL STUDS w/10D NAILS @ 4" O.C MAXIMUM ON EDGE OF SHEATHING & 6" O.C. OTHER STUDS.
10. WOOD FRAMING SHALL NOT BE NOTCHED FOR UTILITIES.
11. MINIMUM GIRDER TRUSS SUPPORT SHALL BE 3 FULL HEIGHT STUDS CONTINUOUS TO THE FOUNDATION.
12. TOP PLATES OF EXTERIOR WALLS & INTERIOR SHEAR WALLS SHALL BE REINFORCED WHERE NOTCHED w/SIMPSON CTS COMPRESSION & TENSION STRAPS.
13. PLYWOOD AND ORIENTED STRAND BOARD (OSB)
    - A. STAGGER END JOINTS OF ROOF SHEATHING AND SHEAR WALLS
    - B. H-CLIPS SHALL BE USED FOR ALL ROOF SHEATHING
14. STAGGER END JOINTS OF ADJACENT COURSES OF GYPSUM WALL BOARD USED AS SHEAR WALL SHEATHING. END JOINTS SHALL NOT OCCUR OVER THE SAME VERTICAL STUD.
15. ALL ENGINEERED LUMBER SHALL HAVE THE FOLLOWING MINIMUM MATERIAL PROPERTIES.
    - A. Fb = 2600psi
    - B. Fv = 285psi
    - C. E = 1,900,000psi
    - D. Fcll = 2510psi
    - E. Fc^ = 750psi
    - F. G = 125,000psi
16. ALL METAL WOOD CONNECTORS SHALL BE FULLY NAILED PER THE REQUIREMENTS OF SIMPSON STRONG TIE PRODUCTS. ALL CONNECTORS SHALL BE CAPABLE OF RESISTING THE CORROSIVE EFFECTS OF THE EXTERIOR PRESERVATIVE PRESSURE TREATMENT AND SHALL BE INSTALLED PRIOR TO APPLICATION OF LOADS.

1705.3 CONCRETE CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	EXTENT
INSPECTION OF REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFICATION OF PLACEMENT	SHOP AND FIELD INSPECTION	PERIODIC
REINFORCING BAR WELDING:		
A. VERIFICATION OF WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	SHOP AND FIELD INSPECTION	PERIODIC
B. INSPECTION OF SINGLE-PASS FILLET WELDS, MAXIMUM 5/16"; AND	SHOP AND FIELD INSPECTION	PERIODIC
C. INSPECTION OF ALL OTHER WELDS	SHOP AND FIELD INSPECTION	CONTINUOUS
INSPECTION OF ANCHORS CAST IN CONCRETE	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS:		
A. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	SHOP AND FIELD INSPECTION	CONTINUOUS
B. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN "A"	SHOP AND FIELD INSPECTION	PERIODIC
VERIFICATION OF USE OF REQUIRED DESIGN MIX	SHOP AND FIELD INSPECTION	PERIODIC
PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	SHOP AND FIELD INSPECTION	CONTINUOUS
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	SHOP AND FIELD INSPECTION	CONTINUOUS
VERIFICATION OF MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF PRESTRESSED CONCRETE FOR:		
A. APPLICATION OF PRESTRESSING FORCES: AND	SHOP AND FIELD INSPECTION	CONTINUOUS
B. GROUTING OF BONDED PRESTRESSING TENDONS	SHOP AND FIELD INSPECTION	CONTINUOUS
INSPECTION OF ERECTION OF PRECAST CONCRETE MEMBERS	SHOP AND FIELD INSPECTION	PERIODIC
VERIFICATION OF IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS IN POST-TENSIONED CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS FROM BEAMS AND STRUCTURAL SLABS	SHOP AND FIELD INSPECTION	PERIODIC
INSPECTION OF FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	SHOP AND FIELD INSPECTION	PERIODIC

1705.6 SOILS (STRUCTURAL) SEE CIVIL FOR MASS GRADING AND OUTSIDE BLDG LIMITS

MATERIAL/ACTIVITY	SERVICE	EXTENT
VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	FIELD INSPECTION	PERIODIC
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL	FIELD INSPECTION	PERIODIC
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS	FIELD INSPECTION	PERIODIC
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL	FIELD INSPECTION	CONTINUOUS
PRIOR TO PLACEMENT OF CONTROLLED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PREPARED PROPERLY	FIELD INSPECTION	PERIODIC

1705.12 SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE - DEFINED ARCH/MECH/ELEC

MATERIAL/ACTIVITY	SERVICE	EXTENT
1705.12.1.1/2 STRUCTURAL STEEL		
INSPECTION OF STRUCTURAL STEEL IN ACCORDANCE WITH AISC 341	SHOP AND FIELD INSPECTION	IN ACCORDANCE w/ AISC 341
1705.12.7 STORAGE RACKS		
INSPECTION DURING THE ANCHORAGE OF STORAGE RACKS 8 FEET OR GREATER IN HEIGHT	FIELD INSPECTION	PERIODIC

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CLIENT: AUGUSTA UTILITIES DEPARTMENT

PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

GEORGIA REGISTERED No. 023753 PROFESSIONAL ENGINEER MARK W. LORAH 9/11/22 3042.2104

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
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0	08/11/22	MWL	ISSUED FOR PERMIT/CONSTRUCTION

PROJECT NO.	3042.2104
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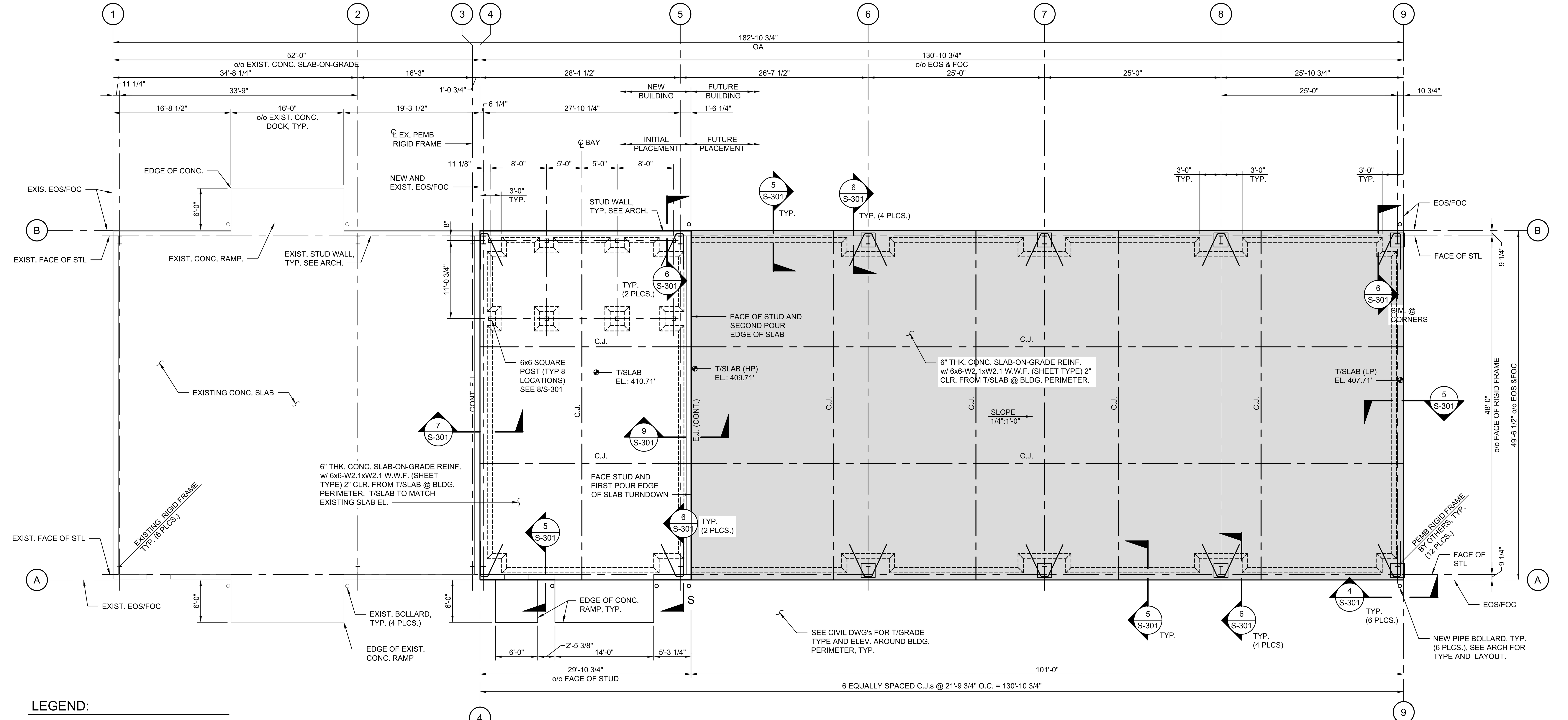
CHECKED BY :	MWL
DATE:	08/11/2022
SHEET TITLE :	GENERAL NOTES
SCALE:	AS NOTED
DRAWING NO.	S-001
REV.	1



LEGEND:

C.J. - CONTROL JOINT (SEE SECT. 2/S-301)

E.J. - 1/2" EXPANSION JOINT (SEE SECT. 1/S-301)

FUTURE WORK

1 FOUNDATION AND SLAB PLAN

S-101

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

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

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PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 021933 MARK W. LORAH 9/11/22 3042.2104

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

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CHECKED BY : MWL
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SHEET TITLE : FOUNDATION AND SLAB PLAN

SCALE: AS NOTED

DRAWING NO. S-101 REV. 1

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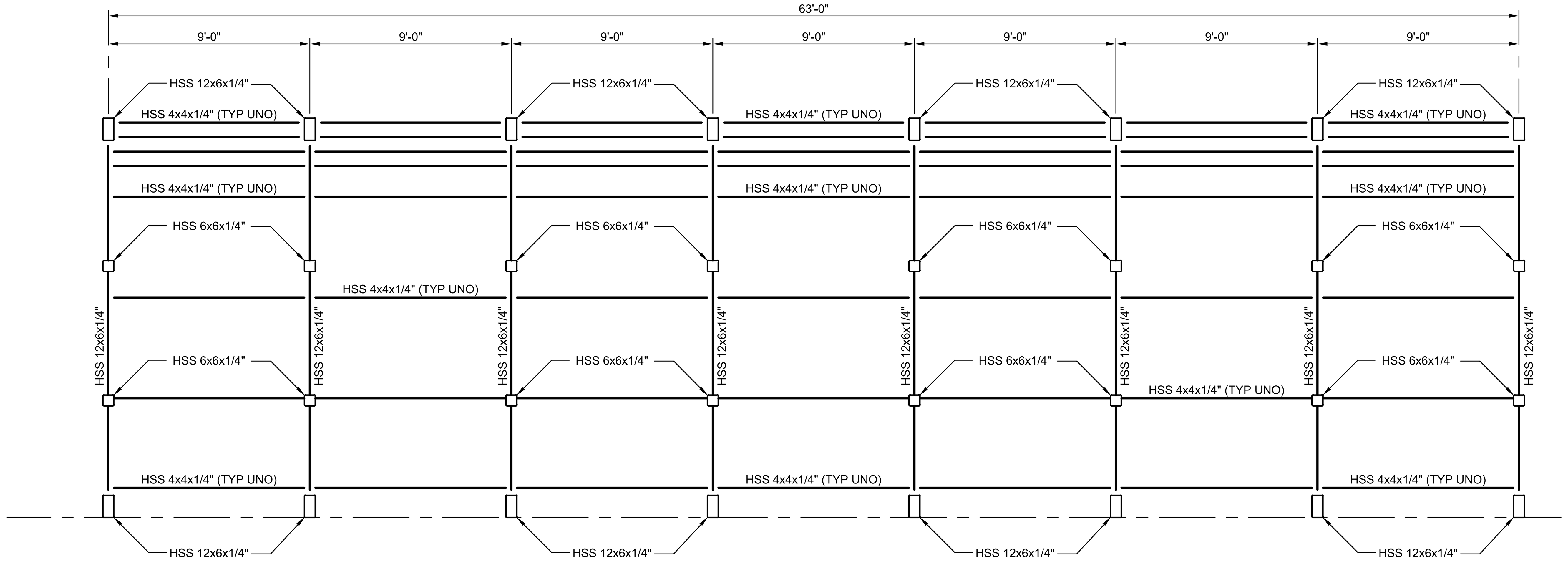
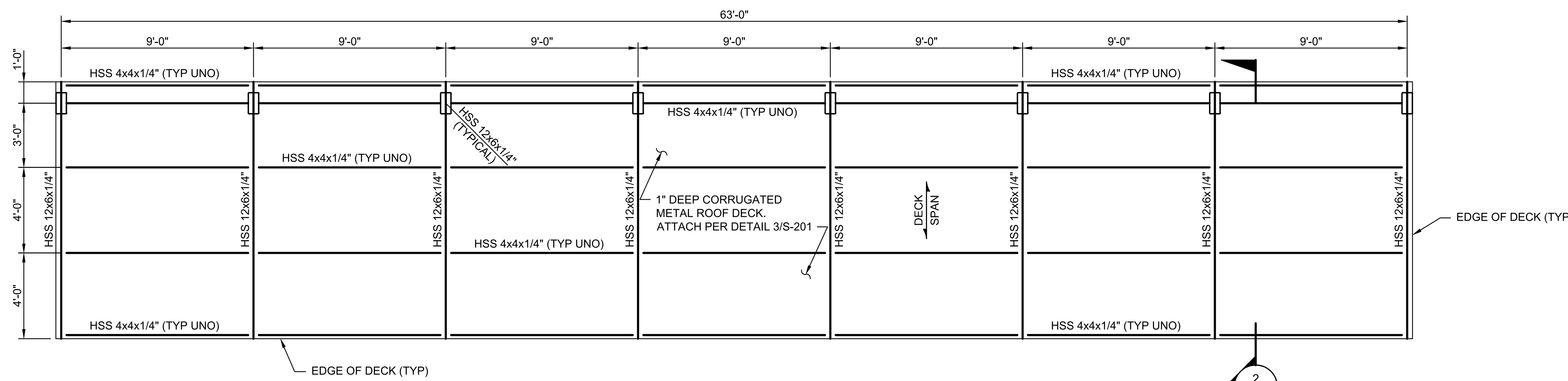
BORDER - A-2436-XREF.DWG REV. 10/27/2020 CRE



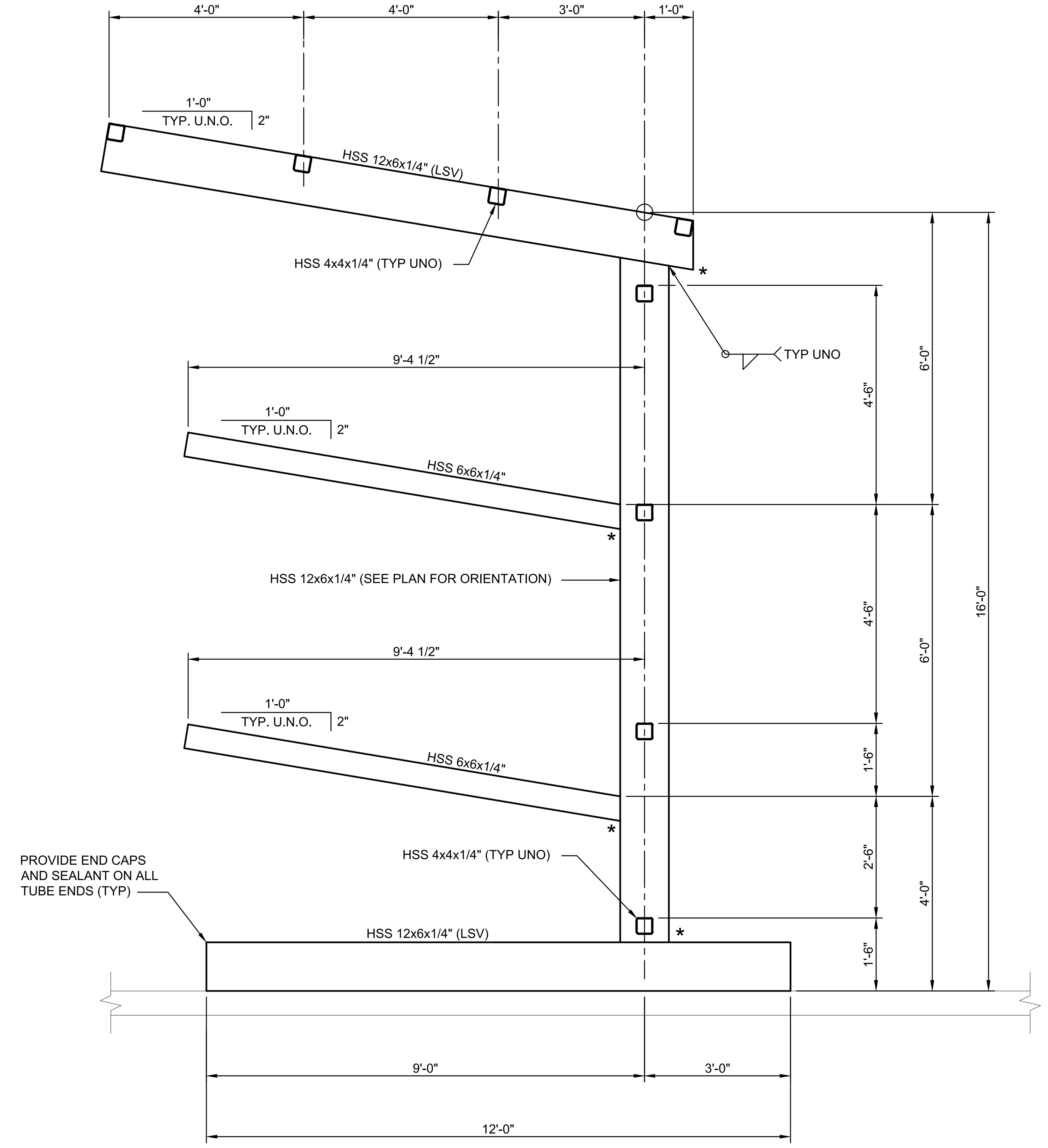
FRAMING ELEVATION



CANOPY FRAMING PLAN

(ALTERNATE #1)

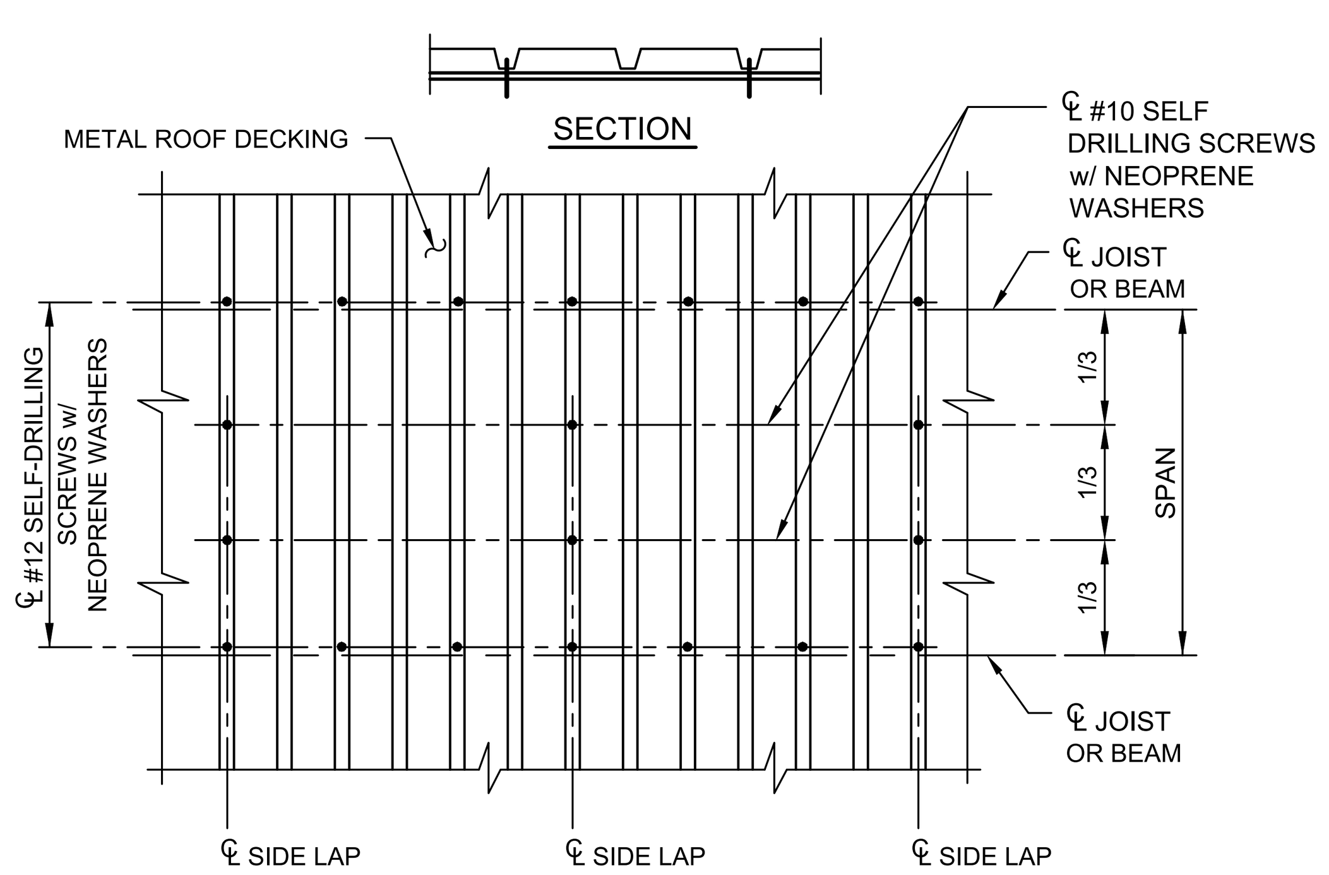
1 / S-201 PIPE STORAGE RACK FRAMING PLANS
SCALE: 1/4" = 1'-0"



NOTES:
★ - PROVIDE 1/4" WEEP HOLES AT LOW POINTS OF TUBES
ALL DIMENSIONS ARE TO T/STL
ALL STEEL TO BE GALVANIZED

(ALTERNATE #1)

2 / S-201 SECTION
SCALE: 1/2" = 1'-0"



NOTES:
1. ATTACHMENT TO BE 36/7 PATTERN WITHIN 12 FEET OF ANY BUILDING EDGE. ATTACHMENT TO BE 36/4 PATTERN ELSEWHERE. IN ALL CASES INCLUDE 2 SIDE LAP SCREWS MINIMUM. MAXIMUM SPACING OF SIDE LAP SCREWS TO BE 3'-0" (U.N.O. ON PLAN OR IN SPECIFICATIONS).
2. POWDER ACTUATED OR PNEUMATIC PINS MAY BE SUBSTITUTED FOR SCREWS AT JOIST OR BEAM.

3 / S-201 DETAIL
NO SCALE

4 / S-201

5 / S-201

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

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

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PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 023193 MARK W. LORAH 9/11/22 3042.2104

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

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SHEET TITLE : PIPE RACK PLANS, SECTIONS AND DETAILS

SCALE: AS NOTED

DRAWING NO. S-201 REV. 1

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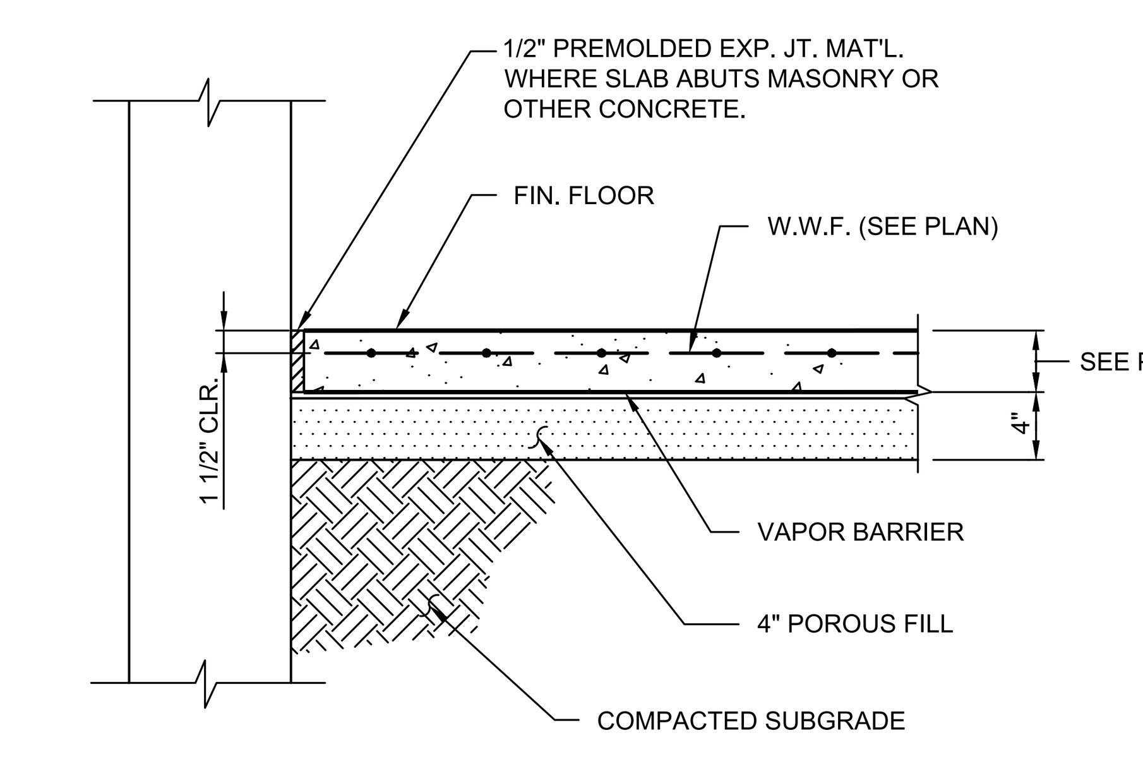
BORDER - A-24x36-XREF.DWG REV. 10/27/2020 CRE



1 S-301 SECTION
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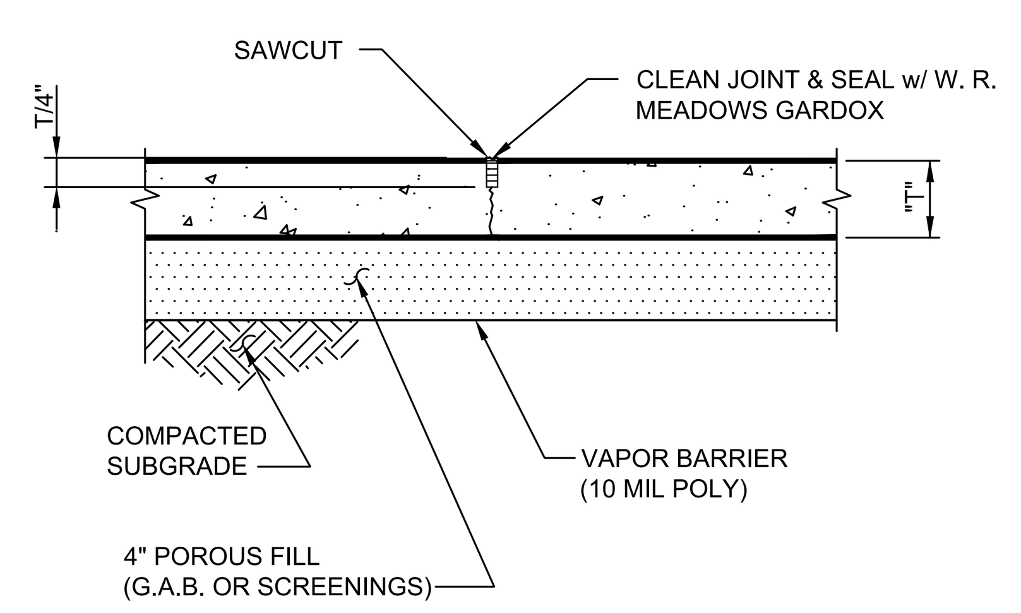
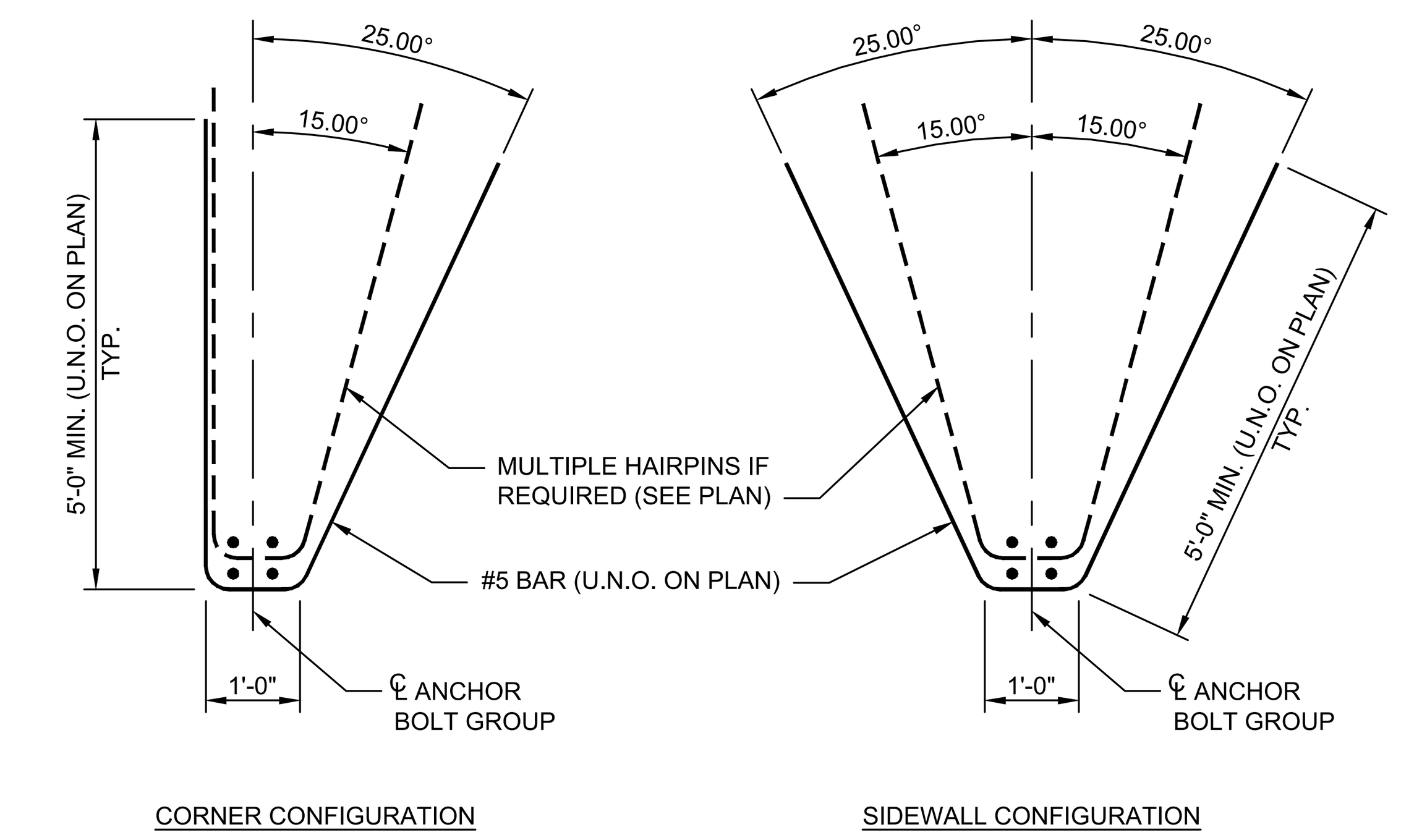
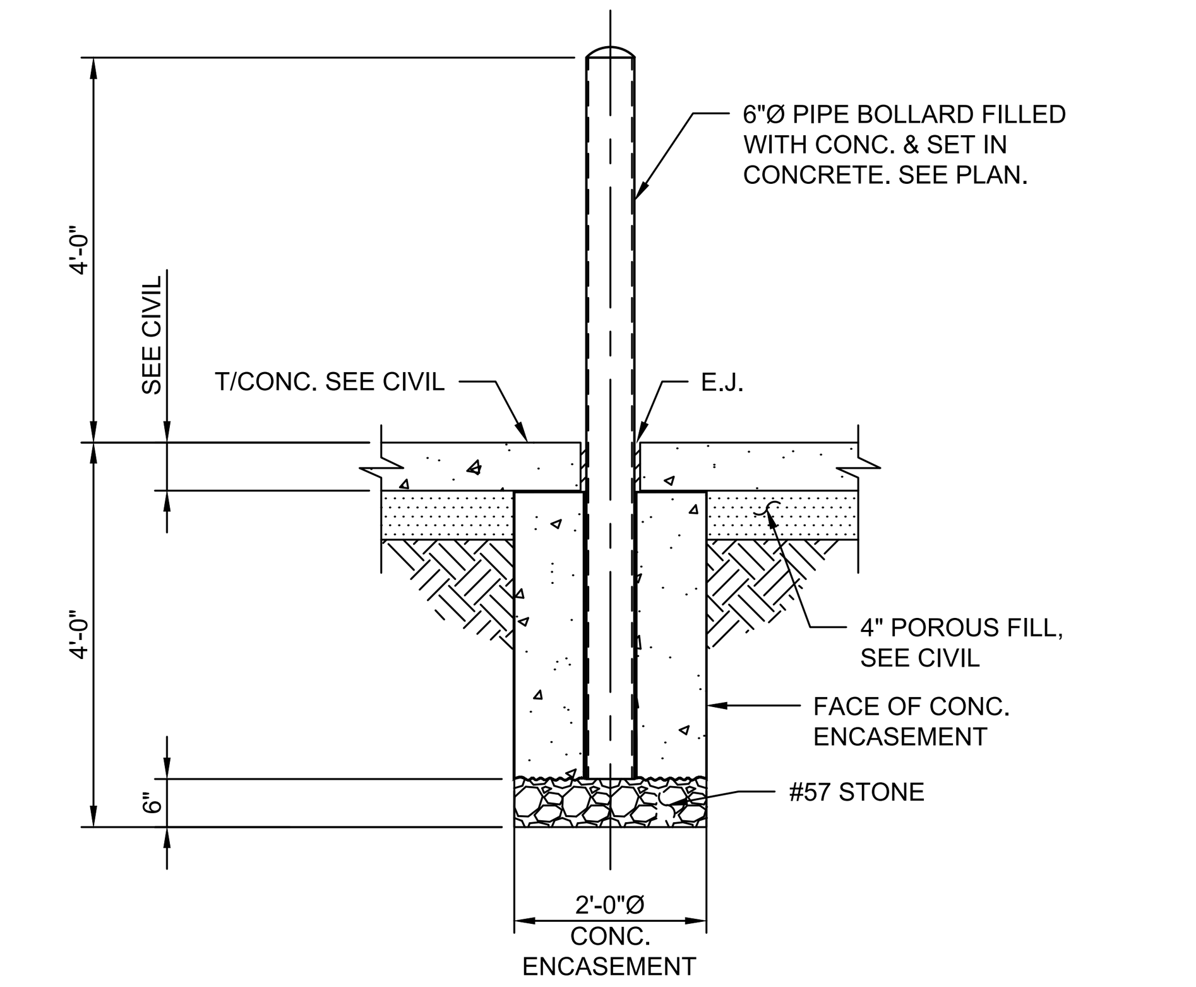


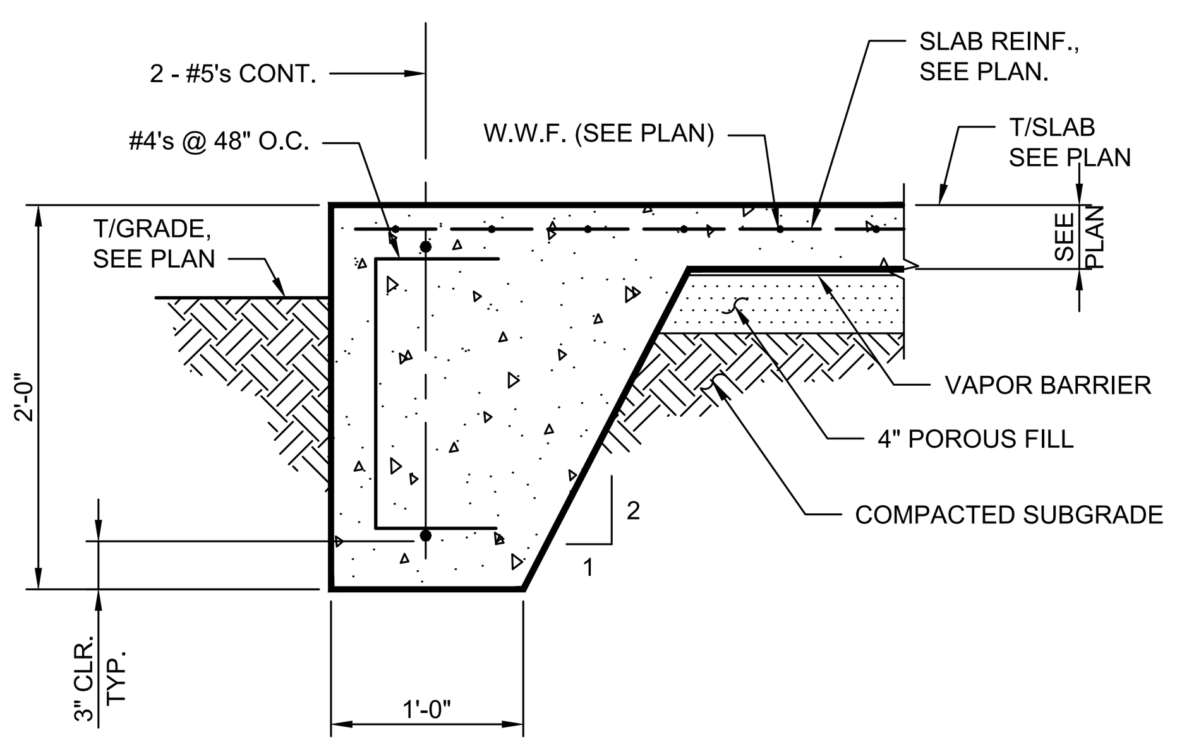
2 S-301 (CONTROL JOINT)
SECTION
NO SCALE



3 S-301 (HAIRPIN BARS - PLAN)
DETAIL
NO SCALE



4 S-301 (BOLLARD FOUNDATION)
SECTION
SCALE: 1/2"=1'-0"



5 S-301 SECTION
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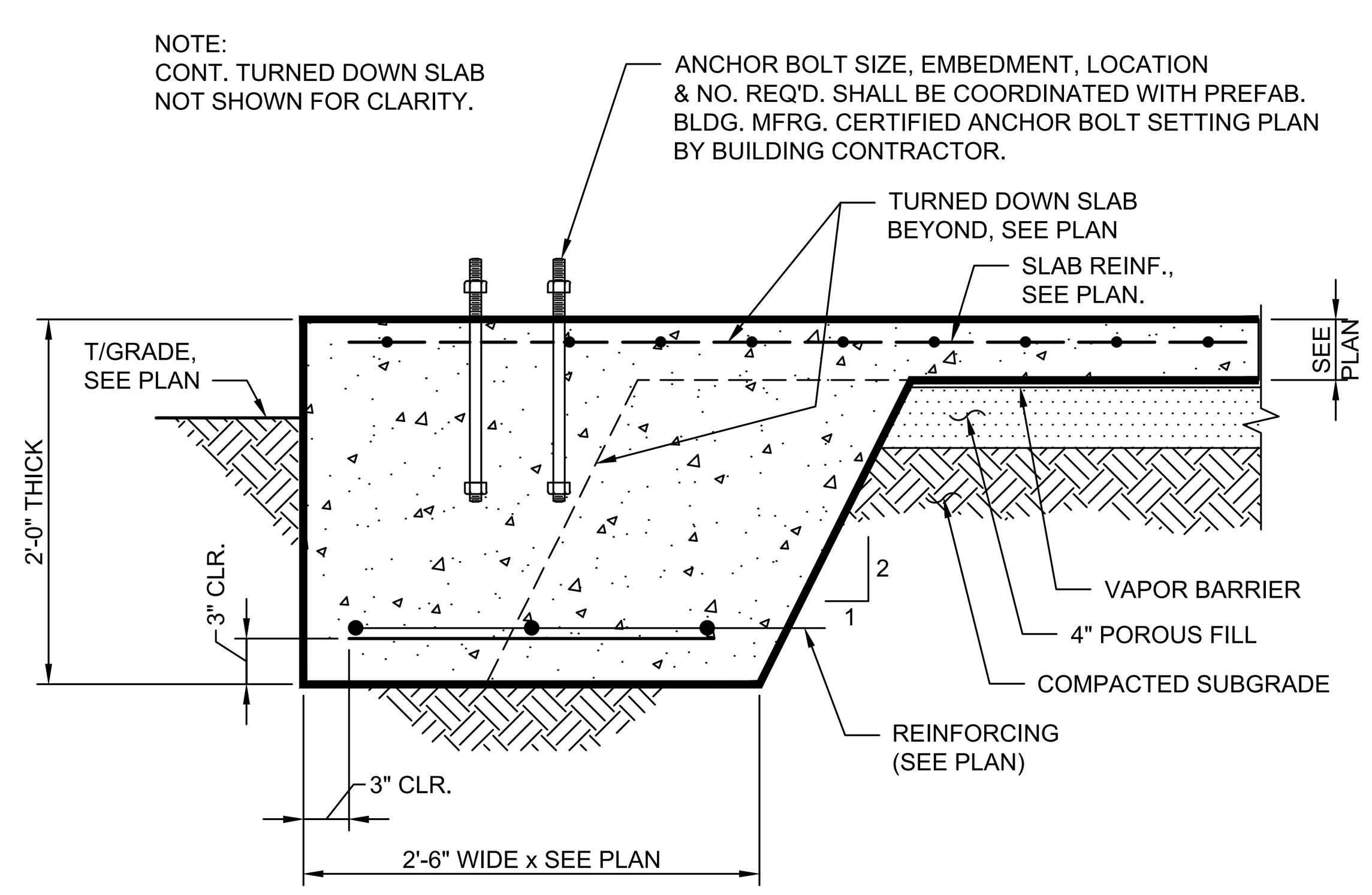
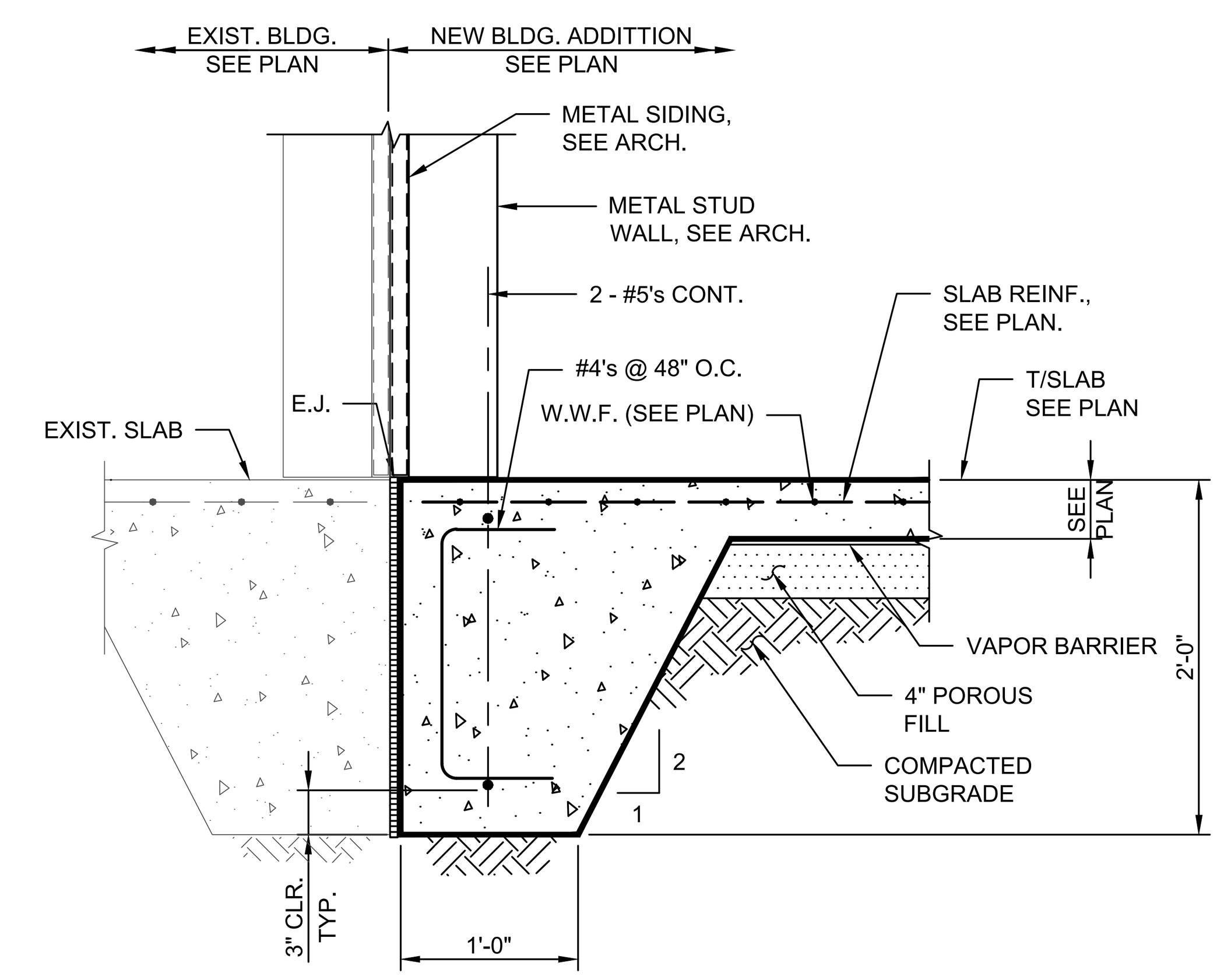


6 S-301 SECTION
SCALE 1"=1'-0"



7 S-301 (NEW T.D. @ EXIST. T.D.)
SECTION
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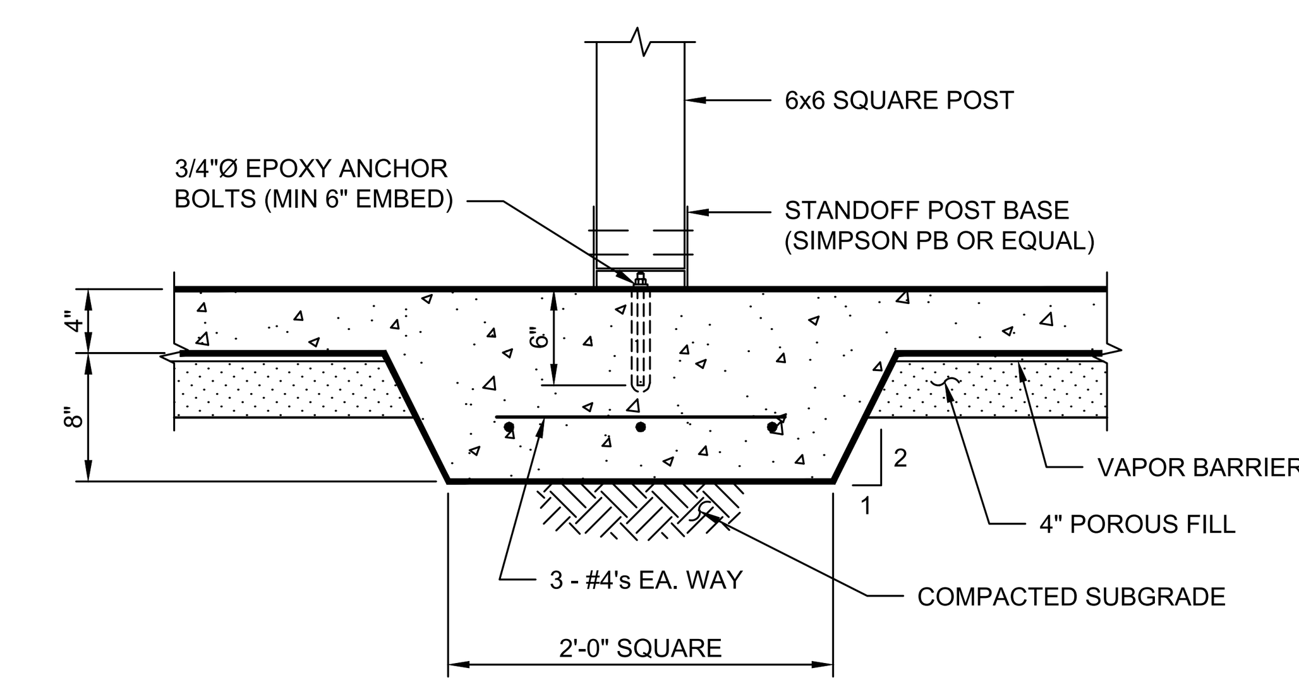
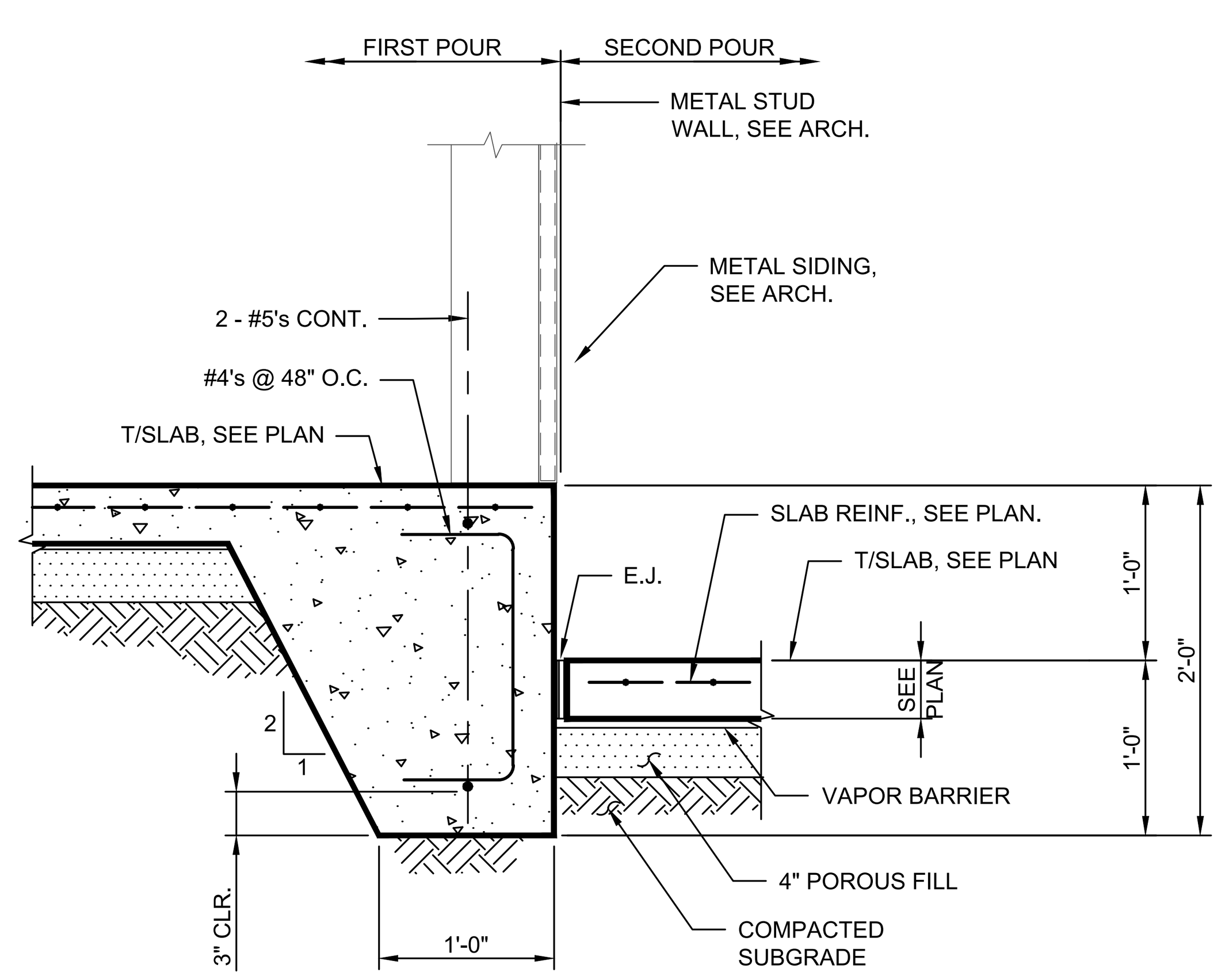


8 S-301 SECTION
SCALE: 1"=1'-0"



9 S-301 (NEW T.D. @ EXIST. T.D.)
SECTION
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PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

REV	DATE	BY	DESCRIPTION
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PROJECT NO.	3042.2104
DRAWN BY :	THW
CHECKED BY :	MWL
DATE:	08/11/2022

SHEET TITLE :
CONCRETE SECTIONS AND DETAILS

SCALE: AS NOTED
DRAWING NO. S-301
REV. 1

ELECTRICAL GENERAL NOTES:

GENERAL
THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PRODUCT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE PLANS AND SPECIFICATIONS FOR FURTHER REQUIREMENTS.

WORK COVERED BY THIS DOCUMENT SHALL INCLUDE ALL LABOR, MATERIAL, PRODUCTS, AND SERVICES FOR, AND INCIDENTAL TO, INSTALLATION OF COMPLETE AND OPERATING ELECTRICAL SYSTEMS DRAWN OR SPECIFIED.

ALL WORK SHALL CONFORM TO ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES INCLUDING, BUT NOT LIMITED TO, THE NATIONAL ELECTRICAL CODE (NFPA 70). ALL MATERIALS SHALL BE NEW AND UL LISTED/LABELED AS APPROPRIATE. FINAL LOCATIONS FOR ROUGH-INS SHALL BE VERIFIED WITH ACTUAL EQUIPMENT BEING CONNECTED. SUPPORT AND ATTACH ELECTRICAL EQUIPMENT IN ACCORDANCE WITH SEISMIC CONDITIONS AS DETERMINED BY THE STRUCTURAL ENGINEER/BUILDING DESIGNER AND THE INTERNATIONAL BUILDING CODE. AFTER COMPLETING INSTALLATION, REMOVE BURRS, DIRT, AND CONSTRUCTION DEBRIS FROM ALL ELECTRICAL WORK.

CONSULT MANUFACTURERS' SHOP DRAWINGS FOR REQUIREMENTS AND EXACT LOCATION OF ELECTRICAL CONNECTIONS FOR EQUIPMENT FURNISHED BY OTHERS. BRANCH-CIRCUIT WIRING SHALL MEET ALL REQUIREMENTS OF THE EQUIPMENT MANUFACTURER.

SIZE DISCONNECT SWITCHES AND OVERCURRENT PROTECTION IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE N.E.C.

SIZE FUSES IN ACCORDANCE WITH THE EQUIPMENT MANUFACTURERS' RECOMMENDATIONS AND THE NEC.

INSTALL JUNCTION BOXES, CONDUIT BODIES, AND HANDHOLE ENCLOSURES SUCH THAT WIRING WITHIN IS ACCESSIBLE IN ACCORDANCE WITH NEC 314.29.

MOUNTING HEIGHT DIMENSIONS FOR WIRING DEVICES ARE FROM THE FINISHED FLOOR UP TO THE CENTER OF THE OUTLET BOX.

CENTER OUTLETS HORIZONTALLY IN ARCHITECTURAL FEATURES.

DO NOT SCALE DRAWINGS. DEVICE LOCATIONS ARE APPROXIMATE UNLESS DIMENSIONED. ACTUAL DEVICE LOCATIONS SHALL BE FIELD COORDINATED WITH ALL OTHER TRADES AND APPLICABLE CODES.

DO NOT USE COMMON NEUTRALS FOR MULTI-WIRE CIRCUITS. INSTALL A NEUTRAL FOR EACH PHASE.

ALL CONDUCTORS SHALL BE NO SMALLER THAN #12.

ALL RACEWAYS SHALL BE 3/4" DIA. MIN. UNLESS OTHERWISE NOTED.

CONDUCTORS
INSULATION SHALL COMPLY WITH NEMA WC 5. CONDUCTORS #8 AWG AND LARGER SHALL BE CONCENTRIC STRANDED. CONDUCTORS #10 AND SMALLER SHALL BE SOLID.

TYPE AND INSULATION (SERVICE): COPPER, TYPE THWN
TYPE AND INSULATION (FEEDER): COPPER, TYPE THHN/THWN
TYPE AND INSULATION (BRANCH): COPPER, TYPE THHN/THWN
COPPER, TYPE MC

COLOR CODING (480/277 V, 3∅): A-YELLOW, B-BROWN, C-ORANGE, N-WHITE, G-GREEN
COLOR CODING (120/240 V, 1∅): A-BLACK, B-RED, N-WHITE, G-GREEN

RACEWAYS
CONDUIT BODIES AND FITTINGS FOR RIGID METAL CONDUIT SHALL BE CAST THREADED TYPE. CONDUIT FITTINGS FOR ELECTRICAL METALLIC TUBING SHALL BE COMPRESSION TYPE. INSTALL 200 lb NYLON PULL CORD IN ALL EMPTY RACEWAYS FOR FUTURE USE. APPLY FIRESTOPPING TO ELECTRICAL PENETRATIONS OF FIRE-RATED FLOOR AND WALL ASSEMBLIES TO RESTORE ORIGINAL FIRE-RESISTANCE RATING OF ASSEMBLY.

OUTDOORS EXPOSED: RIGID GALVANIZED STEEL CONFORMING TO ANSI C80.5
OUTDOORS UNDERGROUND: RIGID NONMETALLIC CONDUIT (SCHEDULE 40 PVC) CONFORMING TO NEMA TC 2
OUTDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: LIQUIDTIGHT FLEXIBLE METAL CONDUIT CONFORMING TO UL 360
INDOORS CONCEALED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS EXPOSED: ELECTRICAL METALLIC TUBING CONFORMING TO ANSI C80.3
INDOORS CONNECTED TO VIBRATING OR MOTORIZED EQUIPMENT: FLEXIBLE METALLIC CONDUIT CONFORMING TO UL 1

OUTLET BOXES
BOXES SHALL COMPLY WITH NEMA OS 1 AND SHALL BE SHEET METAL TYPE WITH PLASTER RING IN DRY LOCATIONS. BOXES SHALL COMPLY WITH NEMA FB 1 AND SHALL BE CAST METAL TYPE FD WITH GASKETED COVER IN DAMP OR WET LOCATIONS.

PULL AND JUNCTION BOXES
BOXES SHALL BE HOT-DIPPED GALVANIZED STEEL. BOX COVERS SHALL BE GASKETED TYPE WITH SCREWED OR BOLTED FASTENERS.

WIRING DEVICES
DEVICES SHALL COMPLY WITH NEMA WD 1 AND WD 6. DEVICES SHALL BE COMMERCIAL SPECIFICATION GRADE OR BETTER. ALL DEVICES SHALL BE OF THE GROUNDING TYPE. DEVICES SHALL BE MOUNTED FLUSH WITH THE LONG DIMENSION VERTICAL AND GROUNDING TERMINAL OF RECEPTACLES ON TOP. SWITCHES SHALL BE QUIET TYPE, RATED 20 AMPERES AT 120/277 VOLTS. GROUND FAULT CIRCUIT INTERRUPTERS SHALL BE FEED-THROUGH TYPE. WEATHERPROOF COVERS SHALL BE PROVIDED IN DAMP OR WET LOCATIONS. PROGRAM OCCUPANCY SENSORS FOR FIFTEEN MINUTES WITH MEDIUM SENSITIVITY. TRAIN OWNER TO ADJUST TIME AND SENSITIVITY.

DEVICE COLOR: SELECTED BY OWNER.
DEVICE COVER: SMOOTH PLASTIC WITH COLOR TO MATCH DEVICE COLOR

ELECTRICAL IDENTIFICATION
IN ADDITION TO CODE-REQUIRED LABELING, ALL PANELBOARDS, ELECTRICAL ENCLOSURES, TRANSFORMERS, AND DISCONNECT SWITCHES SHALL BE IDENTIFIED WITH AN ENGRAVED PLASTIC LAMINATED NAMEPLATE. LETTERING SHALL BE 1/2" INCHES HIGH AND SHALL BE WHITE ON A BLACK BACKGROUND. NAMEPLATES SHALL BE ATTACHED TO EQUIPMENT WITH STAINLESS STEEL SELF-TAPPING SCREWS. CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANY TO DETERMINE THE AVAILABLE FAULT CURRENT AT THE PANEL LOCATION SHOWN ON THE DRAWINGS. CONTRACTOR TO PROVIDE ELECTRICAL EQUIPMENT WITH AIC RATING OVER THE CALCULATED FAULT CURRENT. CALCULATED FAULT CURRENT SHALL BE LISTED ON EACH PIECE OF ELECTRICAL EQUIPMENT. CONTRACTOR TO PROVIDE AND AFFIX ARC FLASH WARNING LABELS ON ALL ELECTRICAL SWITCHBOARDS, PANELBOARDS, MOTOR CONTROL CENTERS, LOAD CENTERS, DISCONNECTS AND ENCLOSED CIRCUIT BREAKERS PER NEC ARTICLE 110.16.

GROUNDING
GROUNDING AND BONDING COMPONENTS SHALL COMPLY WITH UL 467. AN INSULATED EQUIPMENT-GROUNDING CONDUCTOR SHALL BE INSTALLED WITH CIRCUIT CONDUCTORS FOR ALL FEEDER AND BRANCH CIRCUITS. EXOTHERMIC-WELDED CONNECTIONS SHALL BE USED FOR ATTACHMENT TO STRUCTURAL STEEL AND UNDERGROUND CONNECTIONS. GROUNDING ELECTRODES SHALL BE 3/4" x 10' COPPERWELD TYPE.

SERVICE GROUNDING
INSTALL TWO (2) GROUND RODS FOR SERVICE ENTRANCE UNLESS INSTALLED PRIMARY GROUND ROD IS TESTED AND FOUND TO HAVE A RESISTANCE TO GROUND OF 25 OHMS OR LESS IN ACCORDANCE WITH NFPA 70 250.53(2).

EQUIPMENT GROUNDING
FOR INDICATED EQUIPMENT (OTHER THAN SERVICE ENTRANCE EQUIPMENT) INSTALL ONE (1) GROUND ROD TO ACT AS AN AUXILIARY GROUNDING ELECTRODE AND BOND TO THE EQUIPMENT GROUNDING CONDUCTOR (EGC) FOR THAT EQUIPMENT, IN ACCORDANCE WITH NFPA 70 250.54 AND 250.118.

FUSES
FUSES SHALL BE NEMA FU 1 CARTRIDGE TYPE. VOLTAGE RATING SHALL BE CONSISTENT WITH CIRCUIT VOLTAGE. ARRANGE FUSES IN FUSIBLE DEVICES SO FUSE RATINGS ARE READABLE WITHOUT REMOVING FUSE. INSTALL TYPEWRITTEN LABELS ON INSIDE DOOR OF EACH FUSIBLE DEVICE TO INDICATE FUSE REPLACEMENT INFORMATION.

MOTOR FEEDER AND BRANCH CIRCUITS: UL CLASS RK5, TIME DELAY
OTHER FEEDER AND BRANCH CIRCUITS: UL CLASS RK1, NON-TIME DELAY

DISCONNECT SWITCHES
SWITCHES SHALL BE FUSED OR NONFUSED NEMA KS 1 TYPE HD. SWITCHES SHALL BE HANDLE LOCKABLE AND INTERLOCKED WITH COVER IN CLOSED POSITION. ENCLOSURES SHALL BE NEMA TYPE 1 IN INDOOR LOCATIONS AND NEMA TYPE 3R IN OUTDOOR LOCATIONS. HVAC EQUIPMENT DISCONNECTS ARE TO BE CONSIDERED ELECTRICAL EQUIPMENT AND SHALL BE INSTALLED TO MAINTAIN WORKING SPACE PER NEC ARTICLE 110.26.

INTERIOR LIGHTING
FIXTURE MOUNTING HARDWARE AND TRIM SHALL BE COORDINATED WITH THE CEILING SYSTEM. RECESSED FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURAL SYSTEM.

APPLICABLE CODES AND STANDARDS

CODES AND STANDARDS	EDITION
INTERNATIONAL BUILDING CODE (IBC)	2018
NFPA 70 NATIONAL ELECTRICAL CODE (NEC)	2020

ELECTRICAL SYMBOLS:

	PENDANT MOUNTED LIGHT FIXTURE
	LED STRIP FIXTURE
S	SPST TOGGLE SWITCH 48" UP
WP S	WEATHERPROOF SPST TOGGLE SWITCH 48" UP
WP	DUPLEX CONVENIENCE OUTLET 18" UP WEATHERPROOF GROUND FAULT INTERRUPTER TYPE
G	DUPLEX CONVENIENCE OUTLET 18" UP GROUND FAULT INTERRUPTER TYPE
	ELECTRICAL PANEL
#	SPECIAL OUTLET - SEE SCHEDULE

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PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

GEORGIA REGISTERED No. PE039528 PROFESSIONAL ENGINEER HOWARD J. WAYT 08/11/2022

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

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1	09/19/23	HJW	ISSUED FOR BID
0	08/11/22	HJW	ISSUED FOR PERMIT / CONSTRUCTION

PROJECT NO.	3042.2104
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CHECKED BY:	HJW
DATE:	08/11/2022

SHEET TITLE:
ELECTRICAL NOTES AND SYMBOLS

SCALE: AS NOTED

DRAWING NO. **E-001** REV. **1**

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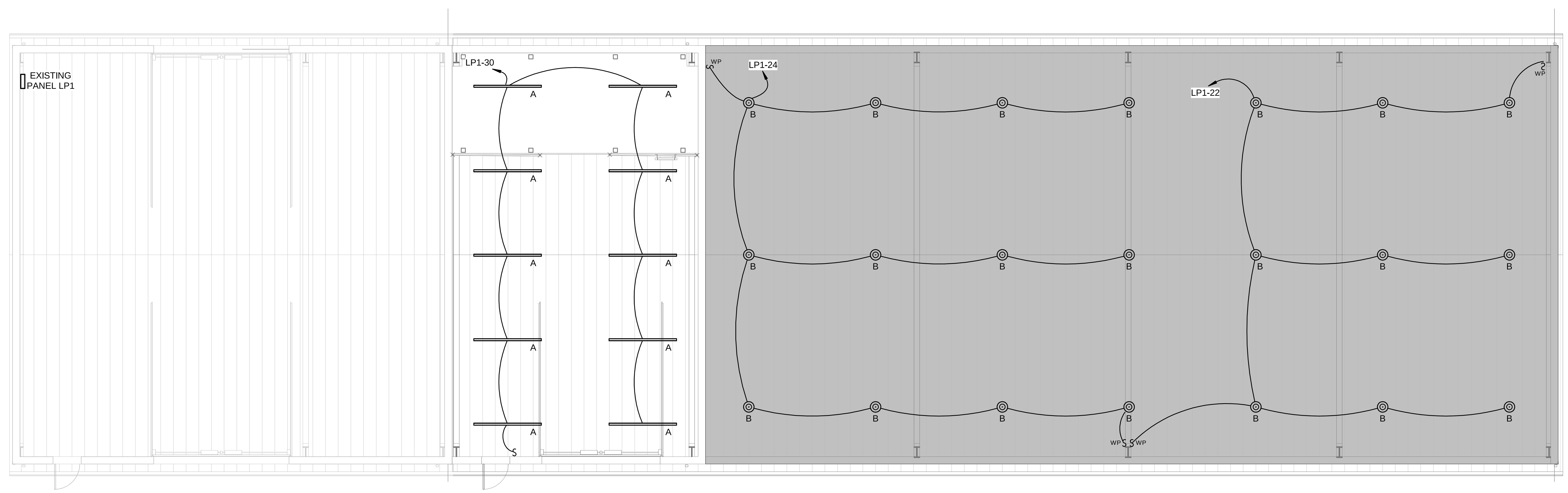

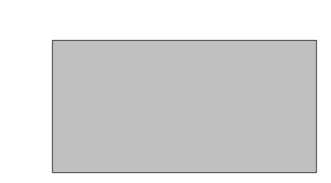

1 E-101 LIGHTING PLAN

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

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CLIENT: AUGUSTA UTILITIES DEPARTMENT

PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. PE039528 HOWARD J. WATT

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000356 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
1	09/19/23	HJW	ISSUED FOR BID
0	08/11/22	HJW	ISSUED FOR PERMIT / CONSTRUCTION

PROJECT NO.	3042.2104
DRAWN BY:	JAP
CHECKED BY:	HJW
DATE:	08/11/2022

SHEET TITLE:

LIGHTING PLAN

SCALE: AS NOTED

DRAWING NO. E-101 REV. 1

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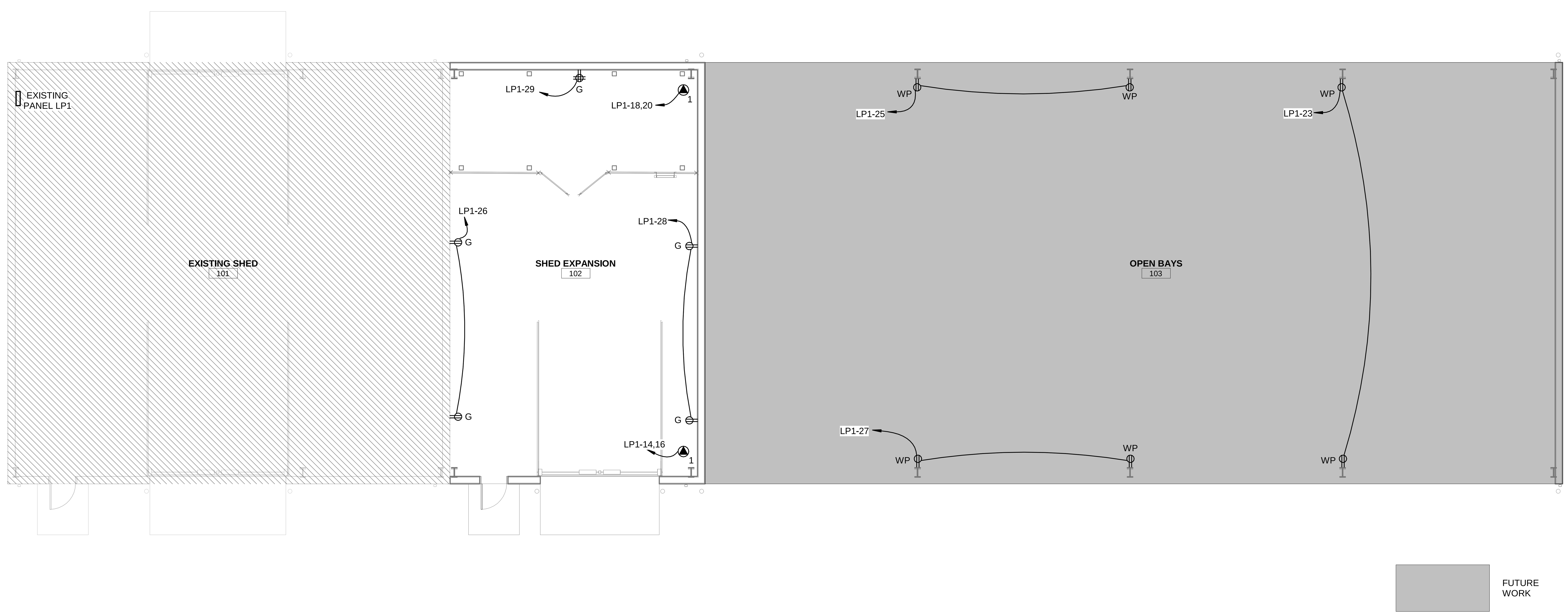

1 E-201 **POWER PLAN**
SCALE: 1/8" = 1'-0"

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CLIENT: AUGUSTA UTILITIES DEPARTMENT

PROJECT NAME: FORT EISENHOWER UTILITY SHED EXPANSION

PROJECT LOCATION: BUILDING 00200, DORSEY DRIVE, FORT EISENHOWER, GA 30905

GEORGIA REGISTERED No. PE039528 PROFESSIONAL ENGINEER HOWARD J. WATT 09/11/2023

GEORGIA JOHNSON, LASCHOBER & ASSOC., PC No. PEF000358 EXPIRATION DATE: JUNE 30, 2024 CERTIFICATE OF AUTHORIZATION

REV	DATE	BY	DESCRIPTION
1	09/19/23	HJW	ISSUED FOR BID
0	08/11/22	HJW	ISSUED FOR PERMIT / CONSTRUCTION

PROJECT NO.	3042.2104
DRAWN BY:	JAP
CHECKED BY:	HJW
DATE:	08/11/2022

SHEET TITLE:

POWER AND SIGNAL PLAN

SCALE: AS NOTED

DRAWING NO.: **E-201** REV.: 1

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LIGHTING FIXTURE SCHEDULE

TYPE MARK	MANUFACTURER	MODEL NUMBER	VOLTAGE	WATTAGE	LAMP TYPE	MOUNTING	DESCRIPTION
A	COLUMBIA	MPS8-40HL-CW-EDU	120 V	100 VA	4000K LED	SUSPENDED	LED STRIP LIGHT
B	HUBBELL	CRN-40LX-EDU	120 V	100 VA	4000K LED	SUSPENDED	LED HIGH BAY LIGHT

NOTES:

1. COORDINATE ALL FINISH OPTIONS WITH ARCHITECT.

SPECIAL OUTLET SCHEDULE

ID	DESCRIPTION
1	FUTURE HEATER

SPECIAL OUTLET SCHEDULE NOTES:

PROVIDE LOCAL DISCONNECTING FOR DEVICES WITHOUT RECEPTACLE. COORDINATE WITH MOCP.

PANEL: LP1

LOCATION	EXISTING SHED 101	**MAIN AMPS**	200 A
MOUNTING	SURFACE	**VOLTAGE**	120/240 Single
MAIN	EXISTING	**PHASE**	1 **WIRE** 3
FEED FROM	EXISTING	**S.C.C.**	SEE NOTE 1 MIN.

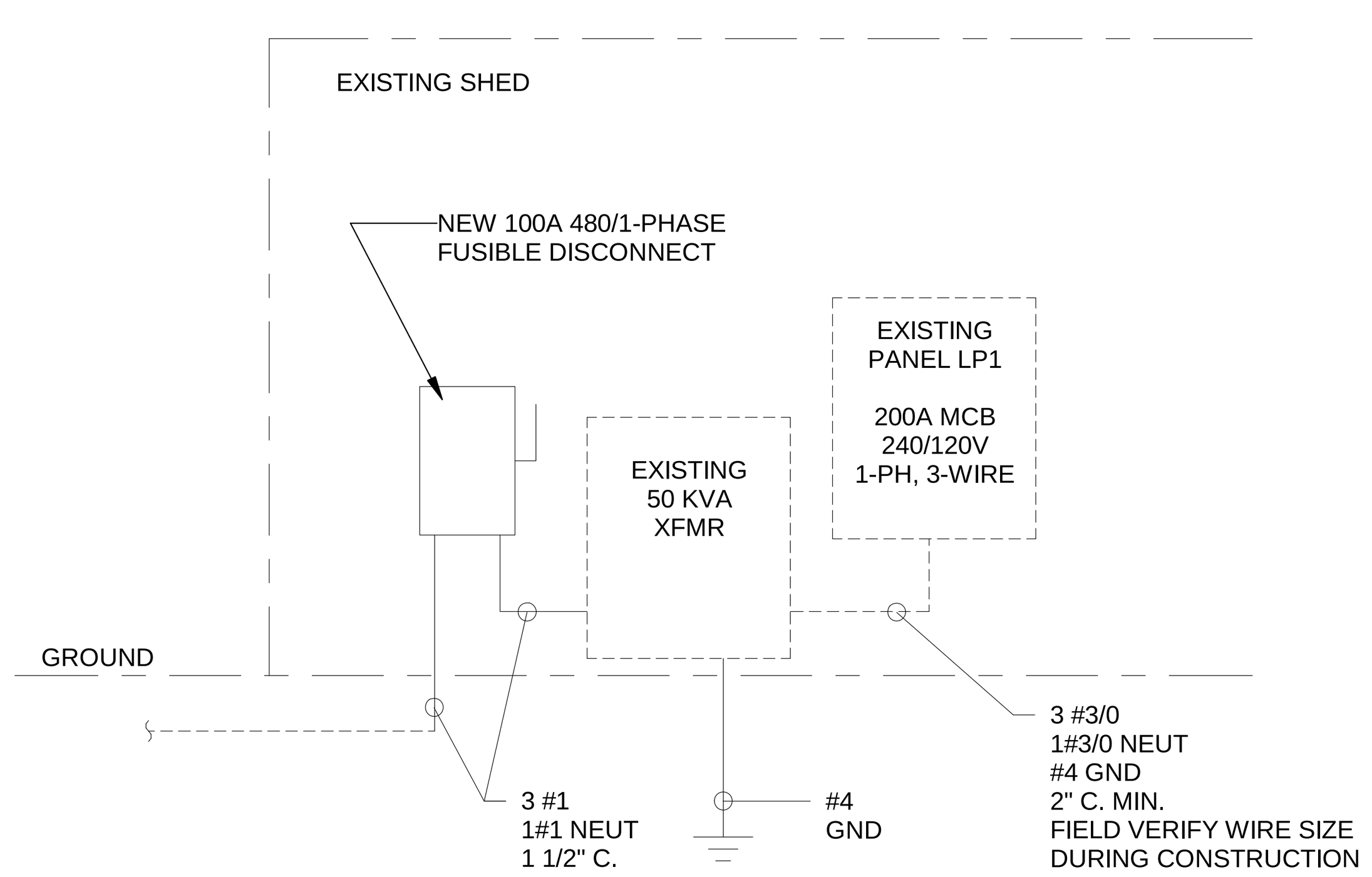
	A	B	TOTAL	DEMAND
RECEPTACLE VA			4800 VA	4800 VA
KITCHEN VA				
LIGHTING VA			1000 VA	1000 VA
OTHER VA			25000 VA	25000 VA
VA PER PHASE	17480 VA	15780 VA	33260 VA	33260 VA
AMPS PER PHASE	146 A	132 A		

MIN. WIRE/CONDUIT SIZE	Load Name	AMPS	P	CKT	A		B		CKT	P	AMPS	Load Name	MIN. WIRE/CONDUIT SIZE
EXISTING	RECEPTACLES	20 A	1	1	1000 VA	1000 VA			2	1	20 A	RECEPTACLES	EXISTING
EXISTING	ELECTRIC HEATER, NOTE 2	20 A	2	3			1500 VA	1000 VA	4	1	20 A	RECEPTACLES	EXISTING
--	--	--	--	5	1500 VA	1000 VA			6	1	20 A	LIGHTING	EXISTING
EXISTING	ELECTRIC HEATER, NOTE 2	20 A	2	7			1500 VA	1000 VA	8	1	20 A	LIGHTING	EXISTING
--	--	--	--	9	1500 VA	1000 VA			10	1	20 A	LIGHTING	EXISTING
EXISTING	ELECTRIC HEATER, NOTE 2	20 A	2	11			1500 VA	1000 VA	12	1	20 A	LIGHTING	EXISTING
--	--	--	--	13	1500 VA	1500 VA			14	2	20 A	ELECTRIC HEATER	2 #12, #12G, 3/4" C
EXISTING	ELECTRIC HEATER, NOTE 2	20 A	2	15			1500 VA	1500 VA	16	--	--	--	--
--	--	--	--	17	1500 VA	1500 VA			18	2	20 A	ELECTRIC HEATER	2 #12, #12G, 3/4" C
EXISTING	ELECTRIC HEATER, NOTE 2	20 A	2	19			1500 VA	1500 VA	20	--	--	--	--
--	--	--	--	21	1500 VA	900 VA			22	1	20 A	BAY LIGHTING	2 #12, #12G, 3/4" C
2 #12, #12G, 3/4" C	RECEPTACLES	20 A	1	23			360 VA	1200 VA	24	1	20 A	BAY LIGHTING	2 #12, #12G, 3/4" C
2 #12, #12G, 3/4" C	RECEPTACLES	20 A	1	25	360 VA	360 VA			26	1	20 A	RECEPTACLES	2 #12, #12G, 3/4" C
2 #12, #12G, 3/4" C	RECEPTACLES	20 A	1	27			360 VA	360 VA	28	1	20 A	RECEPTACLES	2 #12, #12G, 3/4" C
2 #12, #12G, 3/4" C	RECEPTACLE	20 A	1	29	360 VA	1000 VA			30	1	20 A	LIGHTING	2 #12, #12G, 3/4" C
--	SPACE	--	--	31			0 VA	0 VA	32	--	--	SPACE	--
--	SPACE	--	--	33	0 VA	0 VA			34	--	--	SPACE	--
--	SPACE	--	--	35			0 VA	0 VA	36	--	--	SPACE	--
--	SPACE	--	--	37	0 VA	0 VA			38	--	--	SPACE	--
--	SPACE	--	--	39			0 VA	0 VA	40	--	--	SPACE	--
--	SPACE	--	--	41	0 VA	0 VA			42	--	--	SPACE	--

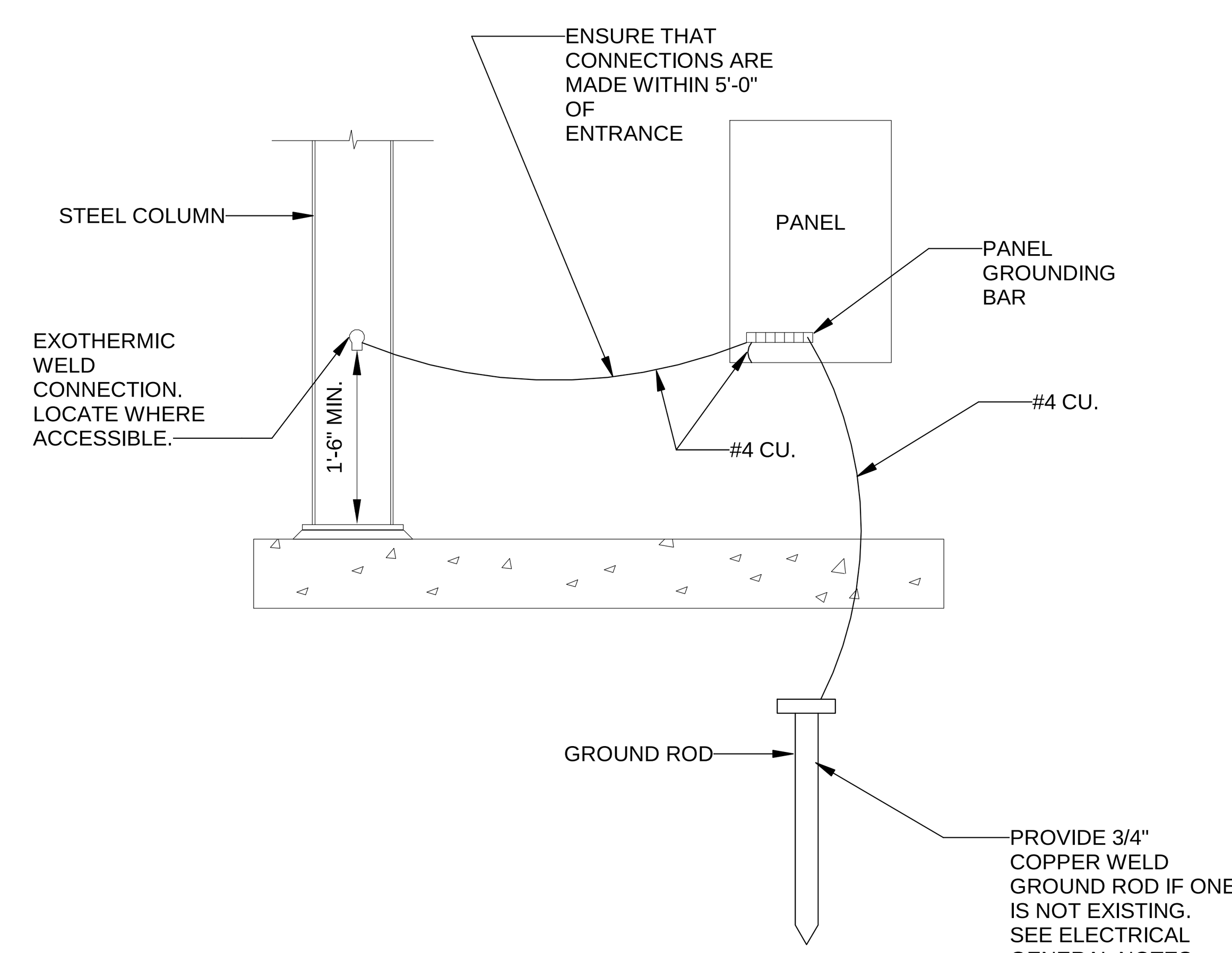
REMARKS:

NOTES:

1. MATCH SCCR OF NEW CIRCUIT BREAKERS TO THAT OF EXISTING PANEL.
2. FIELD VERIFY VOLTAGE FOR EXISTING HEATERS. IF HEATERS ARE 240V, REPLACE SINGLE POLE 20AMP BREAKERS FOR EXISTING HEATER CIRCUITS WITH 2 POLE 20 AMP BREAKERS.



2 / E-401 **RISER DIAGRAM**
NO SCALE



1 / E-401 **ELECTRODE GROUNDING DETAIL**
NO SCALE

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SHEET TITLE:

ELECTRICAL SCHEDULES AND DETAILS

SCALE: AS NOTED

DRAWING NO. **E-401** REV. **1**

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