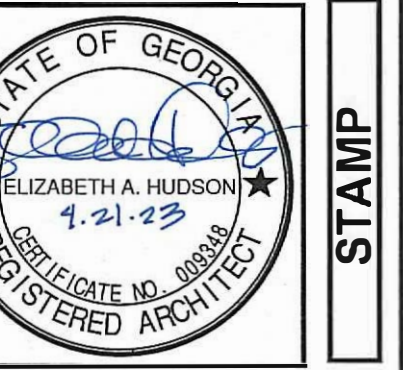


100% CONSTRUCTION DOCUMENTS

LAWRENCEVILLE PUBLIC WORKS SHED EXPANSION

435 WEST PIKE STREET,
LAWRENCEVILLE, GA 30046

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UNLESS THEY ARE PART OF A SET OF
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BY THE ARCHITECT. ANY REUSE OF
ANY PART OF THESE DOCUMENTS
WITHOUT THE WRITTEN PERMISSION OF
PRECISION PLANNING, INC. IS
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Planning Inc.
planners • engineers • architects • surveyors
400 Pike Boulevard, Lawrenceville, Ga 30046
770.339.8000 • www.ppi.us

**LAWRENCEVILLE
PUBLIC WORKS
SHED EXPANSION**
435 WEST PIKE STREET
LAWRENCEVILLE, GA 30046

COVER SHEET
DESIGN: PPI
DRAWN: JWD
CHECKED: JWD

DATE	NO.	DESCRIPTION
09/23/2022	1	RELEASED FOR PERMIT/OWNER REVIEW
11/09/2022	2	GWINNETT COUNTY FIRE COMMENT REVISIONS
03/27/23	3	DRAWING REVISIONS - OWNER REVIEW
04-21-23	4	RELEASE FOR BID

09/23/2022
DATE
A22-105
PROJ. NUMBER
FILE NAME
4/1/2023
DATE
11/23/2022
DATE

CS
Auth: JWD
Title: PROJECT TITLE

General Notes

- THESE DRAWINGS HAVE BEEN DEVELOPED FROM OWNER INPUT, AND SITE VISITS. THE CONTRACTOR SHALL VERIFY THAT THESE DRAWINGS CORRESPOND TO EXISTING FIELD CONDITIONS AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY INCONSISTENCIES BEFORE PROCEEDING WITH CONSTRUCTION. THE CONTRACTOR SHALL ALSO NOTIFY THE ARCHITECT IMMEDIATELY OF ANY WORK INDICATED IN THE CONTRACT DOCUMENTS THAT CANNOT BE PERFORMED IN ACCORDANCE WITH THE DOCUMENTS DUE TO EXISTING FIELD CONDITIONS.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL CLEARANCES, DIMENSIONS AND SIZES PRIOR TO ORDERING OR PURCHASING ASSEMBLIES OR FIXTURES FOR CONSTRUCTION.
- ALL WORK SHALL BE IN COMPLIANCE WITH THE BUILDING CODES, RECOGNIZED INDUSTRY STANDARDS, CRAFTSMANSHIP STANDARDS IN THE AREA, AND ALL MANUFACTURERS RECOMMENDATIONS.
- THE CONTRACTOR(S) SHALL BE RESPONSIBLE FOR BUILDING THIS PROJECT IN ACCORDANCE WITH THE DRAWINGS, SPECIFICATIONS AND STATE AND LOCAL CODES, UNLESS WRITTEN NOTIFICATION IS RECEIVED FROM THE ARCHITECT.
- IN ADDITION TO THE CODES LISTED ON GWINNETT COUNTY FIRE MARSHAL FORM THE FOLLOWING CODES SHALL GOVERN THE CONSTRUCTION OF THIS PROJECT: THE 2012 GWINNETT COUNTY ORDINANCE FOR FIRE PROTECTION AND LIFE SAFETY, THE CURRENT EDITION OF THE NFPA CODES AND STANDARDS AS ADOPTED AND MODIFIED BY THE STATE FIRE MARSHAL, OCSA TITLES 25 AND 30.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY CONSTRUCTION AND ALL STAGING, SCHEDULING, MATERIAL DELIVERIES AND OTHER ITEMS THAT AFFECT THE SEQUENCE OF CONSTRUCTION OR SCHEDULING THE CONSTRUCTION PROJECT.
- THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL TEMPORARY CONSTRUCTION AND ALL STAGING, SCHEDULING, MATERIAL DELIVERIES AND OTHER ITEMS THAT AFFECT THE SEQUENCE OF CONSTRUCTION OR SCHEDULING THE CONSTRUCTION PROJECT.
- DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WRITTEN CLARIFICATION FROM THE ARCHITECT BEFORE CONTINUING WITH CONSTRUCTION.
- THE BUILDING AND SITE SHALL BE KEPT IN A CLEAN AND ORDERLY MANNER AT ALL TIMES. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF DEBRIS IN A CONSISTENT AND LEGAL MANNER. THE OWNER'S DUMPSTERS SHALL NOT BE USED FOR WASTE DISPOSAL.
- CONTRACTORS ARE REQUIRED TO HAVE A VALID GEORGIA STATE GENERAL CONTRACTING LICENSE FOR COMMERCIAL PROJECTS. THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO PROVIDE THE GEORGIA SECURITY AND IMMIGRATION COMPLIANCE ACT AFFIDAVIT AND THE RESIDENCY STATUS AFFIDAVIT.
- ALL CONTRACTORS SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING A QUOTE. CONTRACTORS SHALL BECOME FAMILIAR WITH ALL EXISTING CONDITIONS.
- THE ARCHITECT DOES NOT GUARANTEE THE PERFORMANCE OF THE PROJECT IN ANY RESPECT OTHER THAN THE ARCHITECTURAL WORK PERFORMED WHICH MEETS THE STANDARDS OF PROFESSIONAL CARE.
- THE GENERAL CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING FOR ALL WORK DURING THE CONSTRUCTION PERIOD.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL CONSTRUCTION WASTE AND DEBRIS. THE OWNER'S DUMPSTERS SHALL NOT BE USED FOR WASTE DISPOSAL.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROVIDING NECESSARY SAFETY MEASURES REQUIRED TO PROTECT THE GENERAL PUBLIC, AND BUILDING STAFF FROM DEMOLITION AND CONSTRUCTION WORK FOR THE DURATION OF THE PROJECT.
- THE CONTRACTOR SHALL VERIFY LOCATION OF EXISTING UTILITIES BEFORE COMMENCING WORK. CARE SHALL BE TAKEN TO PROTECT ALL BULB, SYSTEMS & UTILITIES WHICH ARE TO REMAIN.
- IN THE EVENT THE OWNER, THE OWNER'S CONTRACTORS OR SUBCONTRACTORS, OR ANYONE FOR WHOM THE OWNER IS LEGALLY LIABLE MAKES OR PERMITS TO BE MADE ANY CHANGES TO THE CONSTRUCTION DOCUMENTS PREPARED BY PRECISION PLANNING, INC. RELATING TO THIS PROJECT WITHOUT OBTAINING PRECISION PLANNING, INC.'S PRIOR WRITTEN CONSENT, THE OWNER SHALL ASSUME FULL RESPONSIBILITY FOR THE RESULTS OF SUCH CHANGES. THEREFORE THE OWNER AGREES TO WAIVE ANY CLAIM AGAINST PRECISION PLANNING, INC. AND TO RELEASE PRECISION PLANNING, INC. FROM ANY LIABILITY ARISING DIRECTLY OR INDIRECTLY FROM SUCH CHANGES.
- CURRENTLY TAGGED AND FULLY CHARGED PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED BY CONTRACTOR AND KEPT READILY ACCESSIBLE DURING ALL CONSTRUCTION ACTIVITIES.
- WHERE A DETAIL, TYPICAL DETAIL, SECTION, TYPICAL SECTION OR AS NOTED IS INDICATED FOR ONE CONDITION, IT SHALL APPLY FOR ALL LIKE OR SIMILAR CONDITIONS UNLESS NOTED OTHERWISE.
- IF ANY SERVICES TO BUILDING REQUIRE INTERRUPTION FOR ANY REASON, PROPER NOTICE MUST BE GIVEN TO THE OWNER PRIOR TO SCHEDULING OF THIS WORK.
- THE INTENT OF THIS RENOVATION IS TO MATCH THE LOOK AND FUNCTION OF THE EXISTING BUILDING. ALL NEW COMPONENTS ARE TO MATCH THE EXISTING BUILDING STANDARDS, UNLESS NOTED OTHERWISE.
- ALL WORK SHALL BE SCHEDULED IN A MANNER AND BE COORDINATED TO ENSURE OWNER'S CONTINUOUS USE OF THE BUILDING AND SITE. REFER TO HOURS OF CONSTRUCTION ON THIS SHEET.
- ASSIGN THE WORK OF MOVING, REMOVAL, CUTTING AND PAYING TO TRADES QUALIFIED TO PERFORM THE WORK IN A MANNER WHICH CAUSES THE LEAST DAMAGE TO EACH TYPE OF WORK AND PROVIDE MEANS OF RETURNING SURFACES TO THE APPEARANCE OF NEW WORK.
- STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON SITE IS NOT PERMITTED.
- PRIOR TO CONSTRUCTION ACTIVITIES, PROPERLY DISCONNECT ALL ELECTRICAL EQUIPMENT FROM ITS RESPECTIVE POWER SOURCE. AT NO TIME SHALL ELECTRICAL EQUIPMENT REMAIN ENERGIZED IN AN UNPROTECTED FASHION.
- CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO AREAS SO INDICATED ON THE DRAWINGS. ENCROACHMENT INTO OTHER AREAS SHALL REQUIRE WRITTEN APPROVAL BY OWNER.
- WORK SHALL BE IN COMPLIANCE WITH NFPA 241 - STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION, AND DEMOLITION OPERATIONS CURRENT EDITION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING CONSTRUCTION TO REMAIN BY ANY MEANS NECESSARY FROM DAMAGE AND ACCUMULATION OF DUST FOR THE DURATION OF DEMOLITION AND CONSTRUCTION ACTIVITIES. ANY EXISTING ITEMS TO REMAIN THAT ARE DAMAGED SHALL BE REPAIRED OR REPLACED AS NECESSARY BY CONTRACTOR AT NO COST TO THE OWNER.
- EXISTING EQUIPMENT LOCATED NEAR WORK AREAS SHALL BE PROTECTED FROM DUST AND/OR DAMAGE RESULTING FROM DEMOLITION AND CONSTRUCTION ACTIVITIES.
- CONDUCT DEMOLITION AND DEBRIS REMOVAL OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH AND DAMAGE TO ROADS, STREETS, CURBS, CURB INLETS, DRAINS, WALKS, WALKWAYS, LANDSCAPING AND OTHER ADJACENT FACILITIES. ALL DAMAGE SHALL BE REPAIRED AT CONTRACTORS EXPENSE.

Symbols legend

Symbol	Description
	DRAWING TITLE
	ROOM NAME & NUMBER
	ENLARGED PLAN DETAIL
	DETAIL REFERENCE
	SECTION REFERENCE
	EXTERIOR ELEVATION
	EXTERIOR FINISH TYPE
	DOOR REFERENCE
	DIMENSION LINE TO FACE OF STUD OR MASONRY
	DIMENSION LINE TO COLUMN CENTER LINE
	DIMENSION LINE TO FINISH ASSEMBLIES
	COLUMN REFERENCE
<td>ELEVATION LINE</td>	ELEVATION LINE
<td>BREAK LINE</td>	BREAK LINE
	INTERIOR FINISH
	REVISION NUMBER
	PLAN KEYNOTES

Project Directory

OWNER:	CITY OF LAWRENCEVILLE 435 WEST PIKE STREET LAWRENCEVILLE, GA 30046 CONTACT: BARRY MOOK
CIVIL ENGINEER:	PRECISION PLANNING, INC. 400 PIKE BOULEVARD LAWRENCEVILLE, GA 30046 CONTACT: TODD PARKER, P.E.
ARCHITECT:	PRECISION PLANNING, INC. 400 PIKE BOULEVARD LAWRENCEVILLE, GA 30046 ARCHITECT OF RECORD: LIZ HUDSON, RA, NCARB (770) 338-8000
STRUCTURAL:	STARZER BRADY FAGAN ASSOCIATES, INC. P.O. BOX 767385 ROSWELL, GA 30076 ENGINEER OF RECORD: TONY FAGAN, PE
ELECTRICAL:	GARNETT CONSULTING ENGINEERS, INC. 655 ENGINEERING DRIVE SUITE 150 PEACHTREE CORNERS, GA 30092 ENGINEER OF RECORD: LEAH BENINCASA, PE

Project Information

PROJECT NAME:	LAWRENCEVILLE PUBLIC WORKS SHED EXPANSION
PROJECT ADDRESS:	435 WEST PIKE STREET LAWRENCEVILLE, GEORGIA 30046
ZONING DISTRICT:	C2
OCCUPANCY CLASSIFICATION:	(STORAGE) S-2
OCCUPANT LOAD:	500 / 17,220 SF = 35 OCCUPANTS
TYPE OF CONSTRUCTION:	IBC TYPE IIB / NFPA TYPE II (200)
SPRINKLERED:	NO
FIRE ALARM:	NO
1-HOUR PROTECTED:	NO
ADDITIONAL BUILDING AREA:	= 17,220 SF
ACTUAL BUILDING HEIGHT:	ONE STORY - 23'-0" AVERAGE BUILDING HEIGHT
COUNTY ZONING HEIGHT LIMIT:	35'-0" BUILDING HEIGHT

Drawing Index

SHEET NUMBER	SHEET NAME
CS-	COVER SHEET
CIVIL:	
C0 0	COVER
C1.1	DEMO PLAN
C2.1	SITE PLAN
C3.1	GRADING & DRAINAGE
ARCHITECTURAL:	
A 1.1	SITE DEMOLITION PLAN
A2.1	REFERENCE FLOOR PLAN
A3.1	ROOF PLAN
A4.1	REFLECTED CEILING PLAN
A6.1	WALL SECTIONS
STRUCTURAL:	
S1.1	GENERAL NOTES, ABBREVIATIONS, & LEGEND
S2.1	FOUNDATION & SLAB PLAN AND DETAILS
ELECTRICAL:	
E000	DRAWING INDEX, GENERAL NOTES & LEGENDS
E201	COVERED VEHICLE ADDITION - POWER
E301	COVERED VEHICLE ADDITION - LIGHTING

Applicable Codes

BUILDING CODES:
INTERNATIONAL BUILDING CODE (IBC) 2018 EDITION WITH 2020 & 2022 GEORGIA AMENDMENTS
NATIONAL ELECTRICAL CODE (NECA): 2020 EDITION WITH 2021 AMENDMENTS
FIRE CODES:
GWINNETT COUNTY ORDINANCE FOR FIRE PREVENTION AND PROTECTION ORDINANCE: 2012 EDITION
NEPA CODES AND STANDARDS: CURRENT EDITIONS
NFPA 101 LIFE SAFETY CODE 2018 EDITION (AMENDED BY 120-3-3)
INTERNATIONAL FIRE CODE (IFC): 2018 WITH GEORGIA AMENDMENTS
GEORGIA MINIMUM FIRE SAFETY STANDARDS 2020 OCSA 120-3-3
ADA STANDARD FOR ACCESSIBLE DESIGN 2010 EDITION

GWINNETT COUNTY FIRE MARSHAL INSPECTIONS ARE TO BE SCHEDULED ONLINE AT: [HTTPS://ARC.A-PROD.ACCELA.COM/GWINNETT/TWEL/COME.ASPX](https://arc.a-prod.accela.com/gwinnett/twel/come.aspx)
-50% = INSPECTIONS OF VERTICAL PENETRATIONS
-80% = INSPECTIONS OF ANY FIRE RATED PARTITIONS, FLOOR OR CEILING, CEILING COVER UP
-100% = FINAL INSPECTION, ALL SYSTEMS AND EQUIPMENT ARE INSTALLED AND OPERATIONAL
ANY INSPECTION REQUESTS MADE BEFORE 2:00 PM WILL BE SCHEDULED FOR THE NEXT BUSINESS DAY.
SEPARATE SUBMITTALS AND REVIEWS BY FIRE PLAN REVIEW FOR:
--- FIRE SPRINKLER
--- FIRE ALARM SYSTEMS
--- KITCHEN HOODS
--- FIRE SUPPRESSION SYSTEMS
--- RACK STORAGE (PRODUCT HEIGHT OVER 12 FEET)
--- STORAGE AND/OR USE OF HAZARDOUS MATERIALS

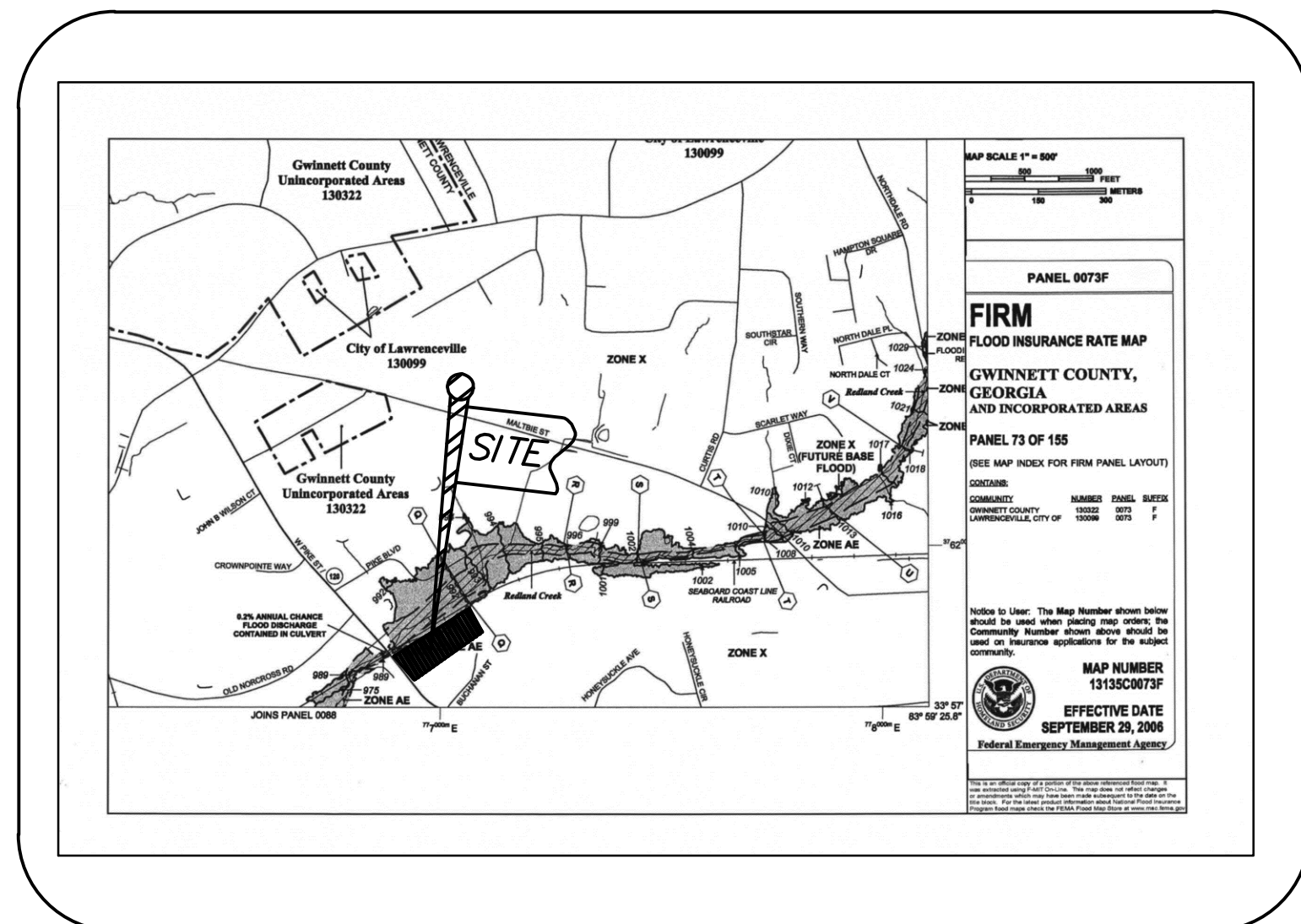
FOR CONSTRUCTION

SITE DEVELOPMENT PLANS

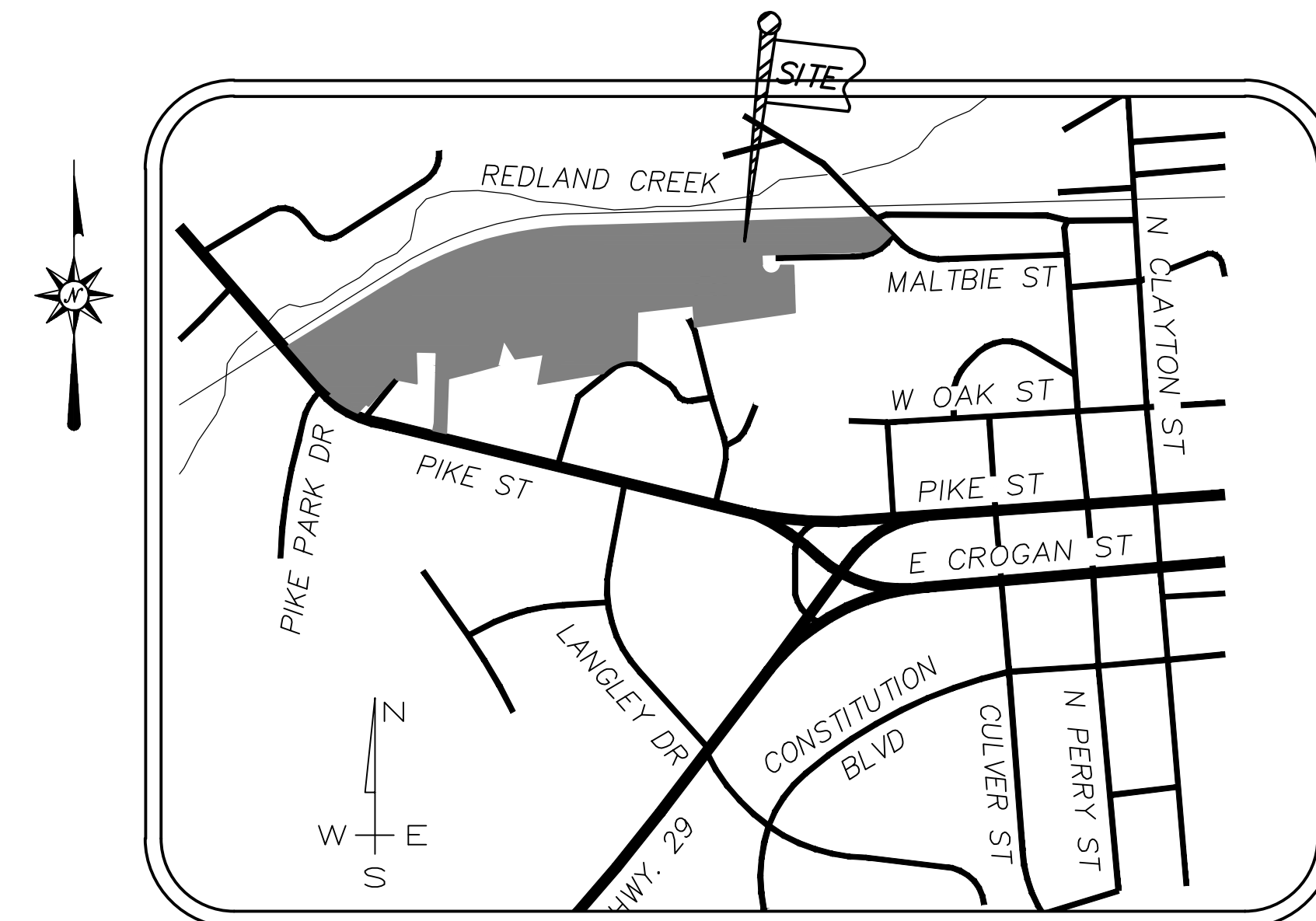
LAWRENCEVILLE PUBLIC WORKS CAMPUS

SHED EXPANSION

435 WEST PIKE STREET
LAWRENCEVILLE, GA 30046
5TH DISTRICT, LAND LOT 144



FIRM PANEL
N.T.S.



VICINITY MAP
N.T.S.

Sheet List Table	
Sheet Number	Sheet Title
C0.0	COVER
C1.1	DEMO PLAN
C2.1	Site Plan
C3.1	GRADING & DRAINAGE

OWNER/DEVELOPER
CITY OF LAWRENCEVILLE
70 SOUTH CLAYTON STREET
LAWRENCEVILLE, GA 30046
CONTACT: JIM WRIGHT
PHONE: 678-407-6582
JIM.WRIGHT@LAWRENCEVILLEGA.ORG

ENGINEER:
PRECISION PLANNING INC.
400 PIKE BOULEVARD
LAWRENCEVILLE, GA 30046
PHONE: (770) 338-8000
CONTACT: TODD PARKER
EMAIL: 707TP@PPI.US

UTILITY DISCLAIMER

EXISTING UTILITY LINES SHOWN ARE APPROXIMATE LOCATIONS ONLY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LINE LOCATIONS PRIOR TO ANY CONSTRUCTION. ANY DEVIATIONS FROM THE DESIGN LOCATIONS SHALL BE REPORTED TO THE PROJECT ENGINEER PRIOR TO CONSTRUCTION. DAMAGE TO EXISTING UTILITY LINES RESULTING FROM CONTRACTOR NEGLIGENCE SHALL BE REPAIRED AT CONTRACTOR EXPENSE.

OBSTRUCTIONS ENCOUNTERED

IN ADDITION TO SHOWING THE STRUCTURES TO BE BUILT FOR THIS PROJECT, THE DRAWINGS SHOW CERTAIN INFORMATION OBTAINED BY THE ENGINEER REGARDING THE PIPES, POLE LINES, CONDUITS AND OTHER STRUCTURES WHICH EXIST ALONG THE LINE OF THE WORK. BOTH AT AND BELOW THE SURFACE OF THE GROUND. THE ENGINEER AND THE OWNER EXPRESSLY DISCLAIM ANY RESPONSIBILITY FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION GIVEN ON THE DRAWINGS WITH REGARD TO EXISTING STRUCTURES, AND THE CONTRACTOR WILL NOT BE ENTITLED TO ANY EXTRA COMPENSATION ON ACCOUNT OF INACCURACY OR INCOMPLETENESS OF SUCH INFORMATION. SAID STRUCTURES BEING INDICATED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR, WHO MUST VERIFY THE INFORMATION TO HIS OWN SATISFACTION. THE GIVING OF THIS INFORMATION UPON THE CONTRACT DRAWINGS WILL NOT RELIEVE THE CONTRACTOR OF HIS OBLIGATION TO SUPPORT AND PROTECT ALL PIPES, CONDUITS, AND OTHER STRUCTURES WHICH MAY BE ENCOUNTERED DURING THE CONSTRUCTION OF WORK, AND TO MAKE GOOD ALL DAMAGES DONE TO SUCH PIPES, CONDUITS, AND OTHER STRUCTURES, AS PROVIDED IN THESE SPECIFICATIONS. THE CONTRACTOR SHALL LOCATE ALL UNDERGROUND OBSTRUCTIONS PRIOR TO EXCAVATION SO AS TO PREVENT DAMAGE TO THOSE SERVICES OR OTHER UTILITIES. ANY SUCH DAMAGES MUST BE REPAIRED WITHOUT DELAY AND THE COST OF SUCH REPAIRS SHALL BE PAID FOR BY THE CONTRACTOR.

CONTRACTORS SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) AND ALL LOCAL, STATE AND FEDERAL RULES AND REGULATIONS. PROPER SAFETY PROCEDURES ARE OF SPECIAL CONCERN ON THIS PROJECT CONSIDERING THAT WORKERS WILL BE IN OPEN TRENCHES FOR A PORTION OF THE SCOPE OF WORK THIS SITE.

INFORMATION REGARDING THE REPUTED PRESENCE, SIZE, CHARACTER AND LOCATION OF EXISTING UNDERGROUND UTILITIES AND STRUCTURES IS SHOWN HEREON. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION AND IT SHALL BE CONSIDERED IN THAT LIGHT BY THOSE USING THIS DRAWING. THE LOCATION AND ARRANGEMENT OF UNDERGROUND UTILITIES AND STRUCTURES SHOWN HEREON MAY BE INACCURATE AND UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED. THE OWNER, HIS EMPLOYEES, HIS CONSULTANTS AND HIS CONTRACTORS SHALL HEREBY DISTINCTLY UNDERSTAND THAT THE SURVEYOR IS NOT RESPONSIBLE FOR THE CORRECTNESS OR SUFFICIENCY OF THIS INFORMATION.

WETLAND CERTIFICATION

THE DESIGN PROFESSIONAL, WHOSE SEAL APPEARS HEREON, CERTIFIES THE FOLLOWING: 1) THE NATIONAL WETLAND INVENTORY MAPS HAVE BEEN CONSULTED; AND, 2) THE APPROPRIATE PLAN SHEET DOES () / DOES NOT (X) INDICATE AREAS OF THE UNITED STATES ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS AS SHOWN ON THE MAPS; AND, 3) IF WETLANDS ARE INDICATED, THE LAND OWNER OR DEVELOPER HAS BEEN ADVISED THAT LAND DISTURBANCE OF PROTECTED WETLANDS SHALL NOT OCCUR UNLESS THE APPROPRIATE FEDERAL WETLANDS ALTERATION (SECTION "404") PERMIT HAS BEEN OBTAINED.

NOTICE OF INTENT

OPERATOR SHALL SUBMIT A NOTICE OF INTENT (N.O.I.) FOR COVERAGE UNDER NPDES GENERAL PERMIT TO THE FOLLOWING OFFICE AT LEAST 14 DAYS PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES AS INDICATED IN THESE CONSTRUCTION DOCUMENTS.

MOUNTAIN DISTRICT - ATLANTA SATELLITE
GEORGIA ENVIRONMENTAL PROTECTION DIVISION
4244 INTERNATIONAL PARKWAY, SUITE 114
ATLANTA, GA 30354-3906
(404) 362 - 2671

NOTES

- THERE IS FLOODPLAIN ON THE OVERALL PROPERTY FROM A WATER COURSE WITH A DRAINAGE AREA EXCEEDING 100 ACRES PER FIRM PANEL 13135C 0073F, EFFECTIVE SEPTEMBER 29, 2006.
- THE PROJECT PROPERTY DOES, INDICATE AREAS OF UNITED STATES ARMY CORPS OF ENGINEERS JURISDICTIONAL WETLANDS.
- A 50-FOOT UNDISTURBED BUFFER AND 75-FOOT IMPERVIOUS SETBACK SHALL BE MAINTAINED ADJACENT TO ALL STREAMS.
- STORM WATER MANAGEMENT FOR THIS PROJECT IS PROPOSED ON SITE.
- IT IS THE OWNER'S/DEVELOPER'S RESPONSIBILITY TO BE IN COMPLIANCE WITH APPLICABLE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT AND CLEAN WATER ACT REQUIREMENTS.
- CONTRACTOR MUST CONTACT THE CITY OF LAWRENCEVILLE SITE INSPECTOR AT 770-277-7536 TO SCHEDULE A PRE-CONSTRUCTION MEETING PRIOR TO ANY LAND DISTURBING ACTIVITY.
- PHASE I EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO ANY LAND DISTURBING ACTIVITY.
- STORM WATER MANAGEMENT FACILITIES SHALL BE INSTALLED AND OPERATIONAL PRIOR TO THE INSTALLATION OF ANY IMPERVIOUS SURFACE.
- A CERTIFIED POST-CONSTRUCTION HYDROLOGY REPORT AND AN ELECTRONIC POST-CONSTRUCTION SURVEY OF THE SITE IMPROVEMENTS MUST BE SUBMITTED TO P&Z AND APPROVED PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
- ALL BUILDING FACADES MUST ADHERE TO MATERIAL REQUIREMENTS FOUND IN ARTICLE VII SECTION 8.7 OF THE CITY OF LAWRENCEVILLE ZONING ORDINANCE.
- ALL BUILDING COLORS MUST ADHERE TO REQUIREMENTS FOUND IN ARTICLE VIII SECTION 8.8 OF THE CITY OF LAWRENCEVILLE ZONING ORDINANCE.
- ALL REQUIRED PERMIT FEES AS SET AND OUTLINE BY THE CITY OF LAWRENCEVILLE CITY COUNCIL PER ZONING ORDINANCE ARTICLE XII SECTION 12.1 MUST BE PAID PRIOR TO THE ISSUANCE OF ANY PERMIT.
- PERMITS MAY ONLY BE ISSUED TO AND IN THE NAME OF STATE OF GEORGIA LICENSED GENERAL CONTRACTORS PER O.C.G.A. 43-41.
- ONCE THE PERMIT IS ISSUED FEES ARE NON-REFUNDABLE AND NON-TRANSFERABLE.



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Call before you dig.

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PROFESSIONAL SEAL
TODD PARKER
0361155
05/27/23
042 INEET
MICHAEL TODD

STAMP

PRECISION
Planning Inc.
planners • engineers • architects • surveyors
400 Pike Boulevard, Lawrenceville, Ga 30046
770.338.8000 • www.ppi.us

LAWRENCEVILLE
PUBLIC WORKS
SHED EXPANSION
435 WEST PIKE STREET
LAWRENCEVILLE, GA 30046

PROJECT

COVER

DESIGN: PPI
DRAWN: JRM
CHECKED: MTP

SHEET TITLE

DATE	NO.	DESCRIPTION
09/23/2022	01	RELEASED FOR PERMIT/OWNER REVIEW
03/27/23	02	DRAWING REVISIONS - OWNER REVIEW
04-21-23	03	RELEASE FOR BID

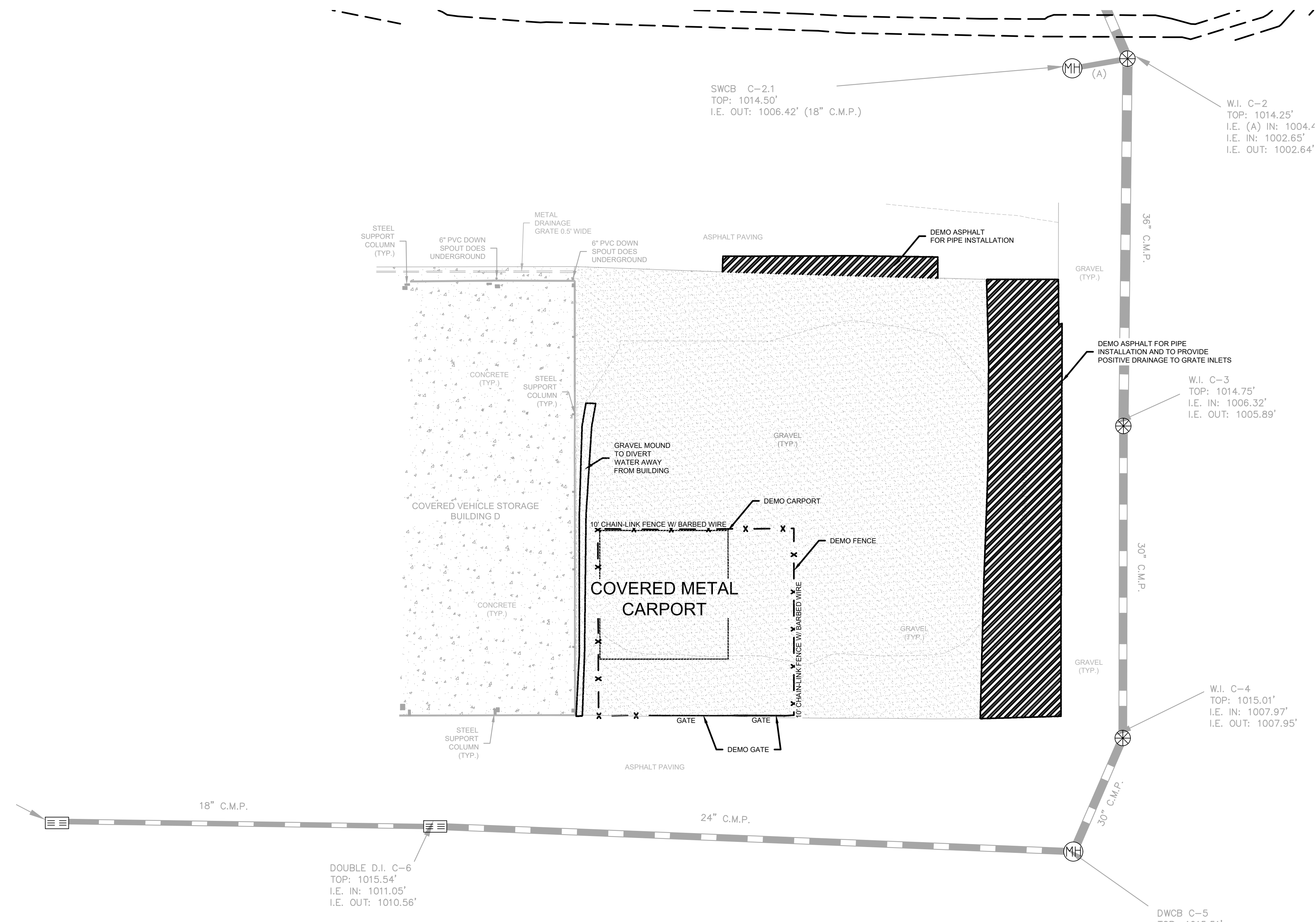
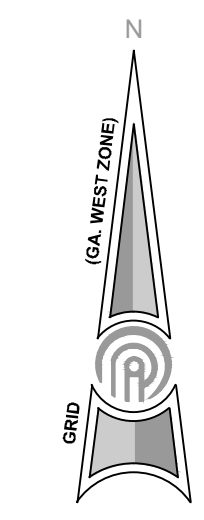
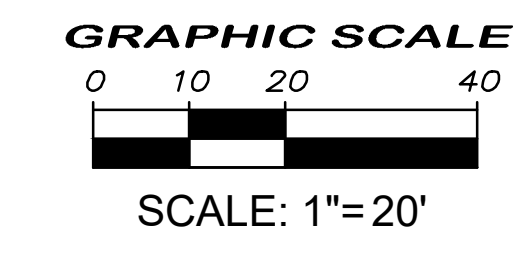
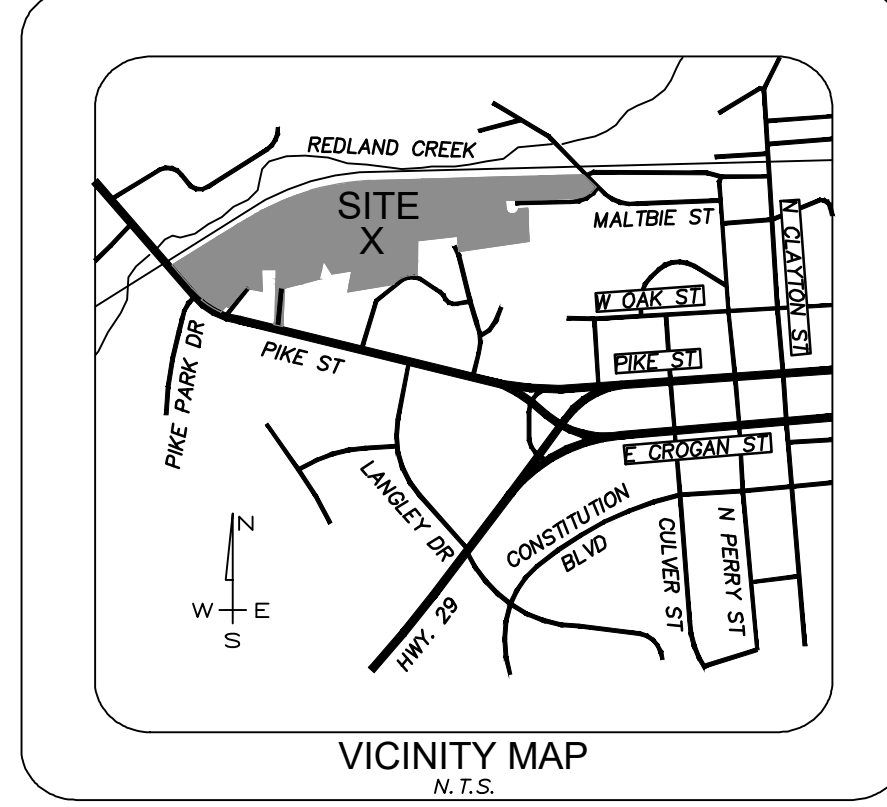
FOR CONSTRUCTION

09/23/2022
DATE
A22-106
PROJECT NUMBER
FILE NAME
FILE NUMBER

C0.0

AUTHORIZED
4/11/2023
These project documents have been reviewed by applicable County Departments and have been found to be in substantial compliance with the applicable codes and regulations.

FOR CONSTRUCTION



OWNER/DEVELOPER
 CITY OF LAWRENCEVILLE
 70 SOUTH CLAYTON STREET
 LAWRENCEVILLE, GA 30046
 CONTACT: JIM WRIGHT
 PHONE: 678-407-6582
 JIM.WRIGHT@LAWRENCEVILLEGA.ORG

ENGINEER:
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PROFESSIONAL
 134115
 05/27/23
 MICHAEL TODD

STAMP

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 Planning Inc.
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 770.338.8000 • www.ppi.us

LAWRENCEVILLE
PUBLIC WORKS
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 435 WEST PIKE STREET
 LAWRENCEVILLE, GA 30046

PROJECT

DESIGN	PP	DRAWN	JRM	CHECKED	MTP
DEMO PLAN					

DATE	NO	DESCRIPTION
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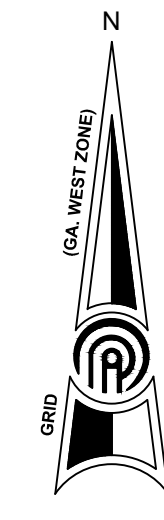
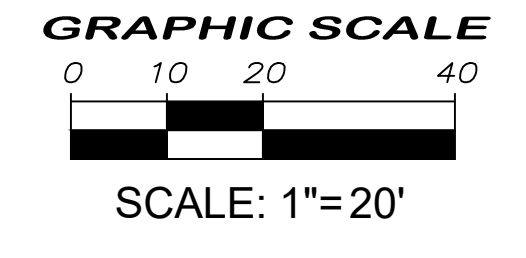
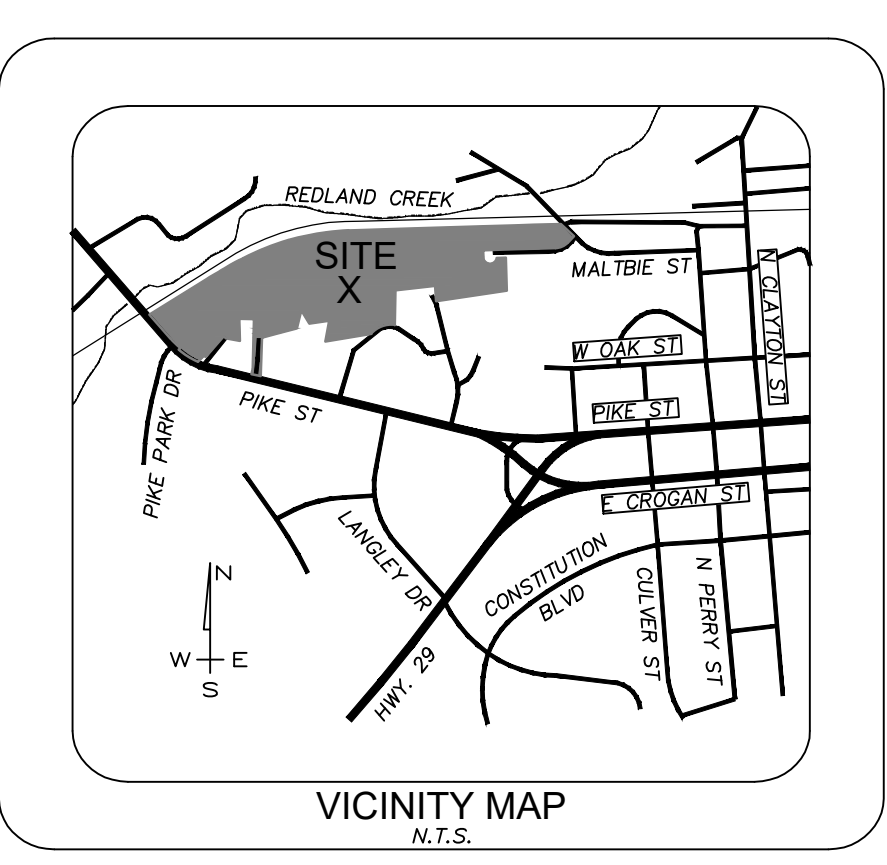
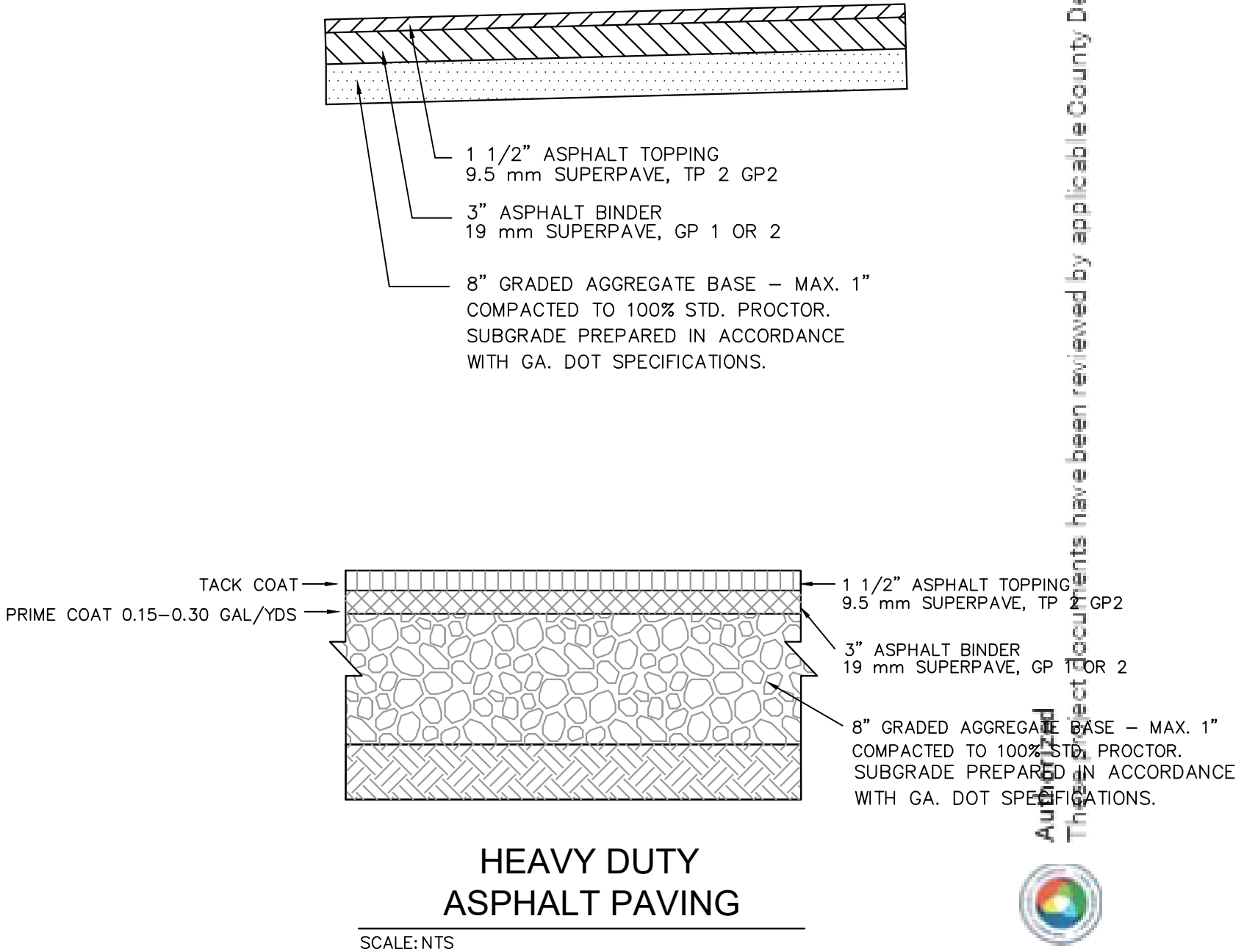
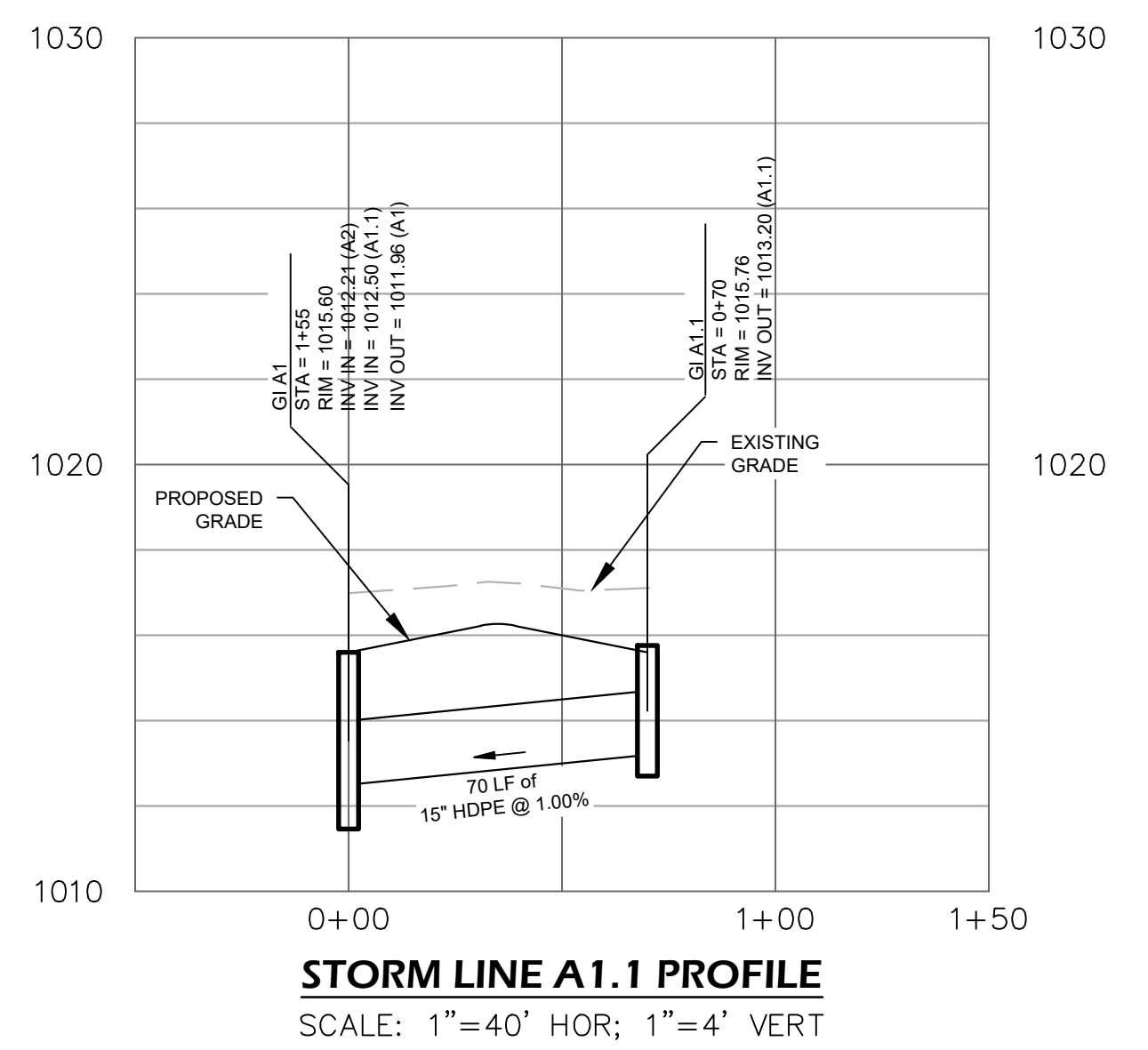
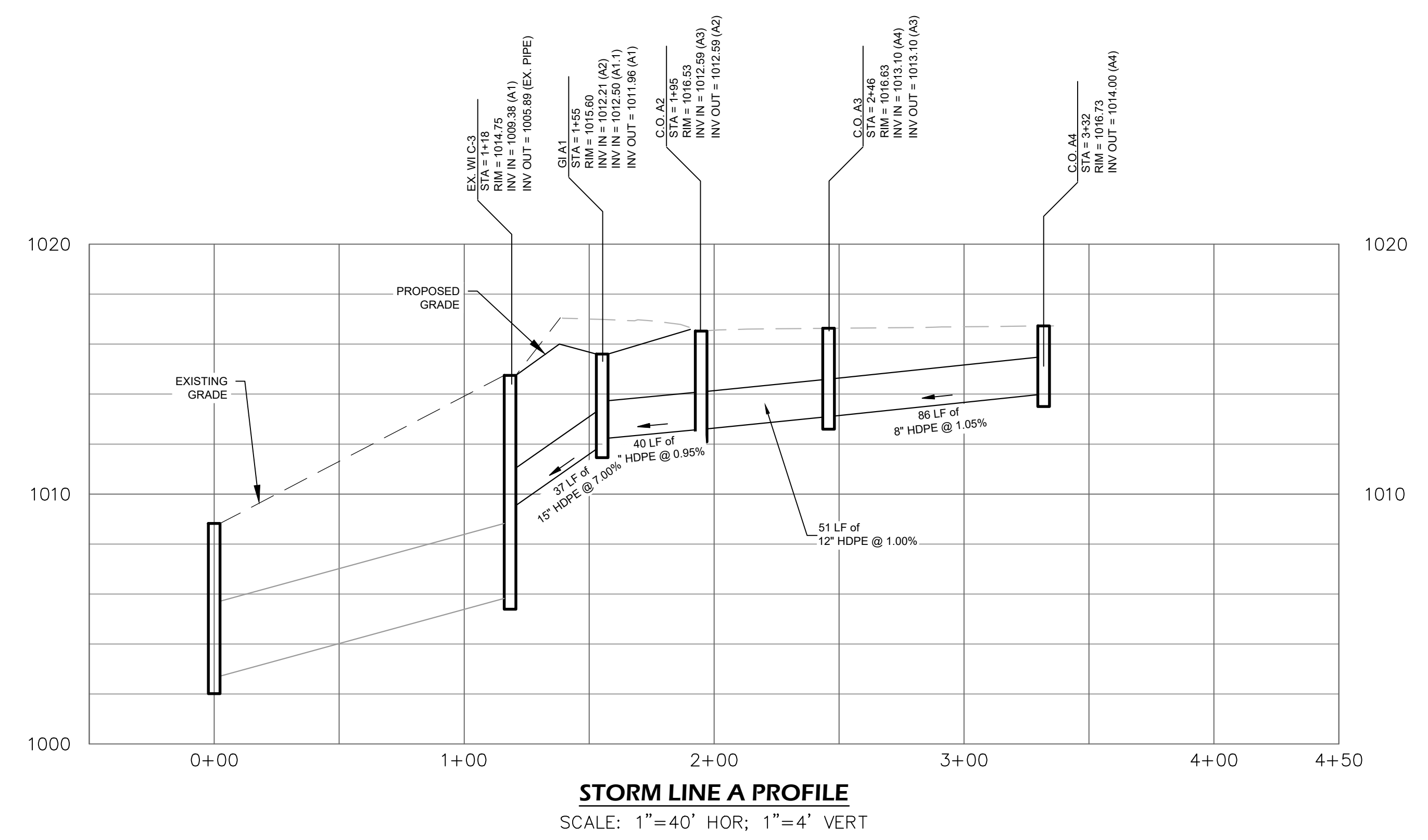
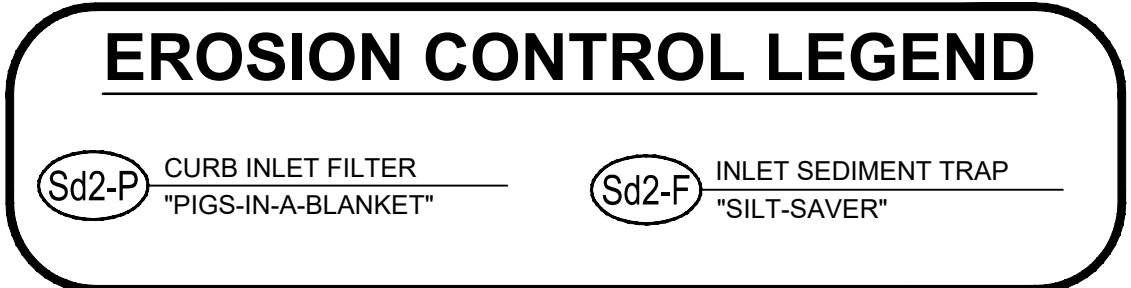
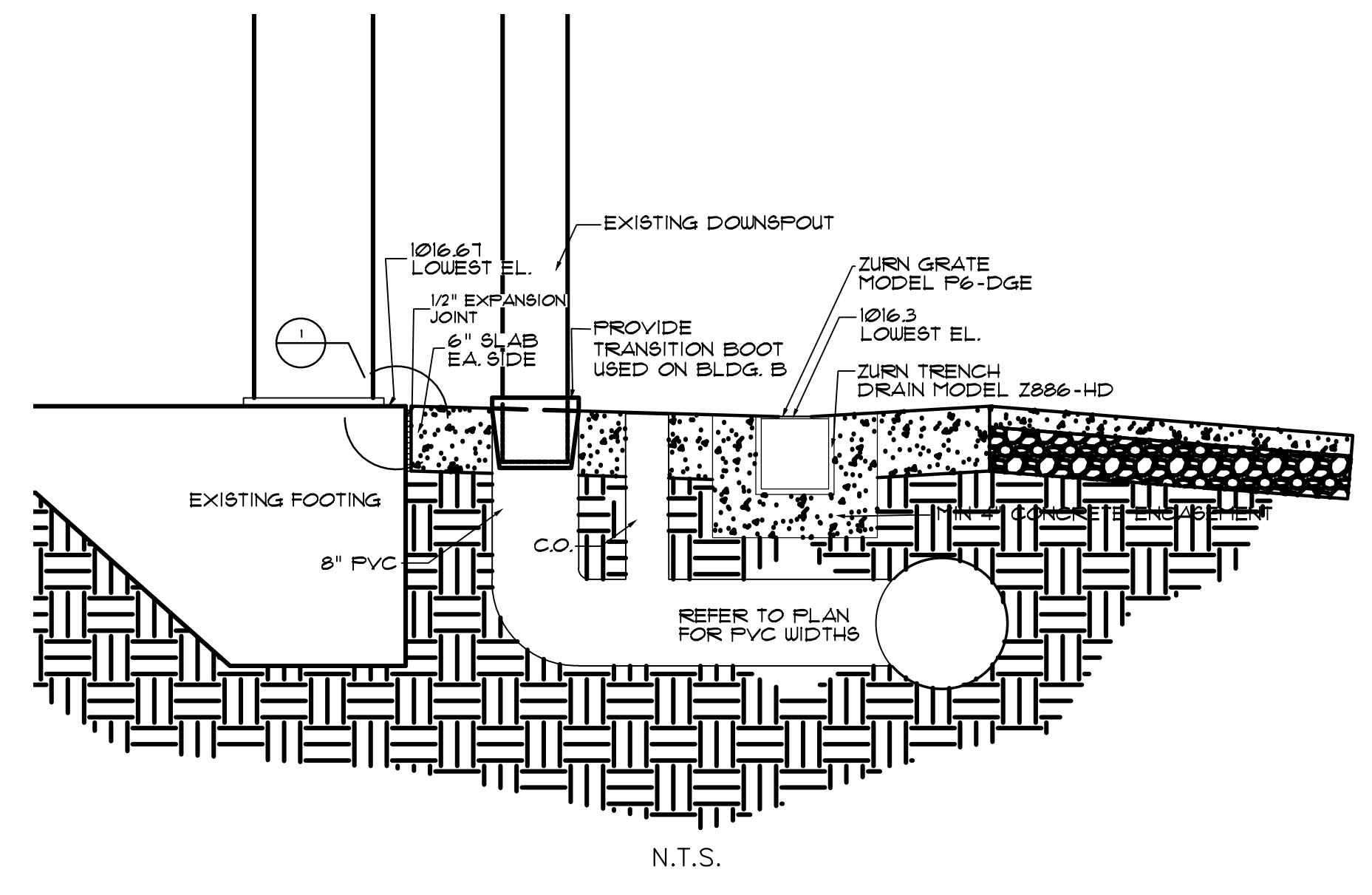
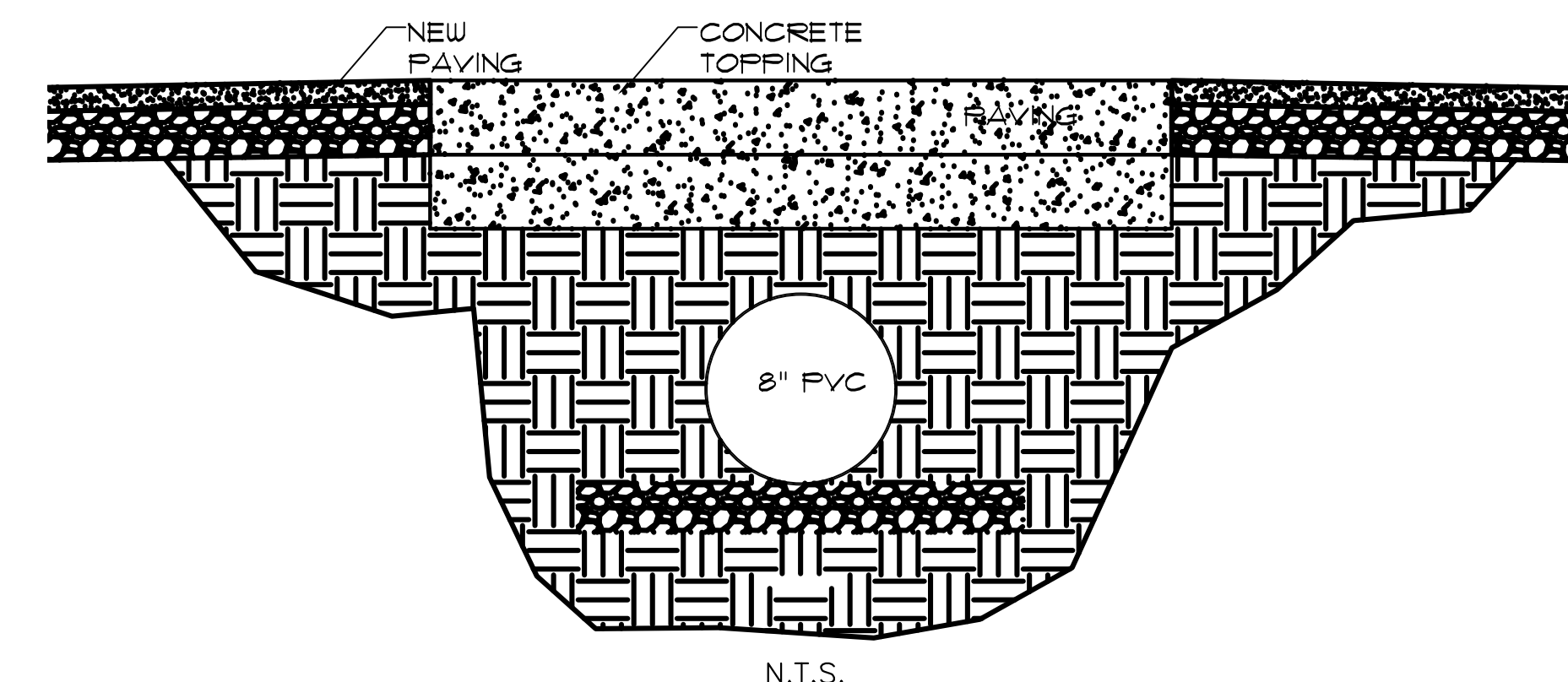
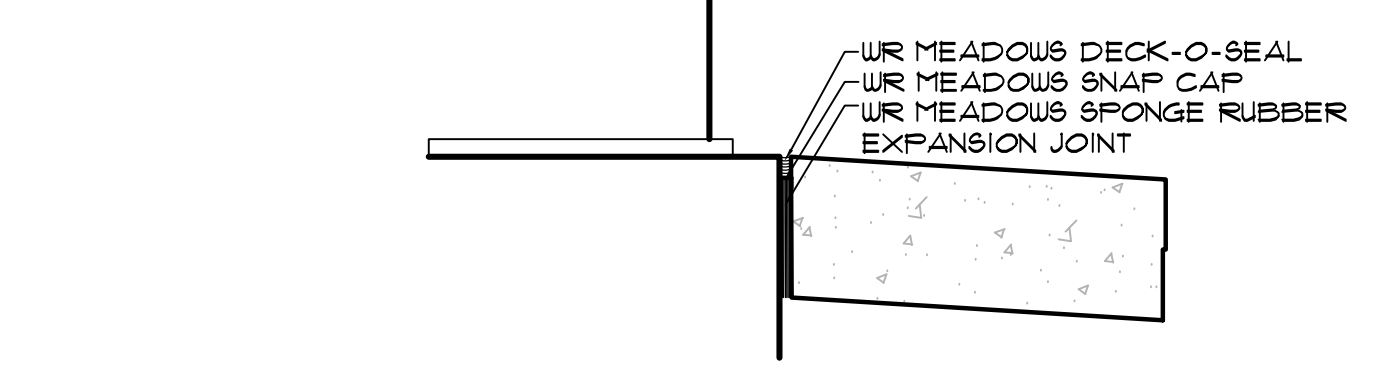
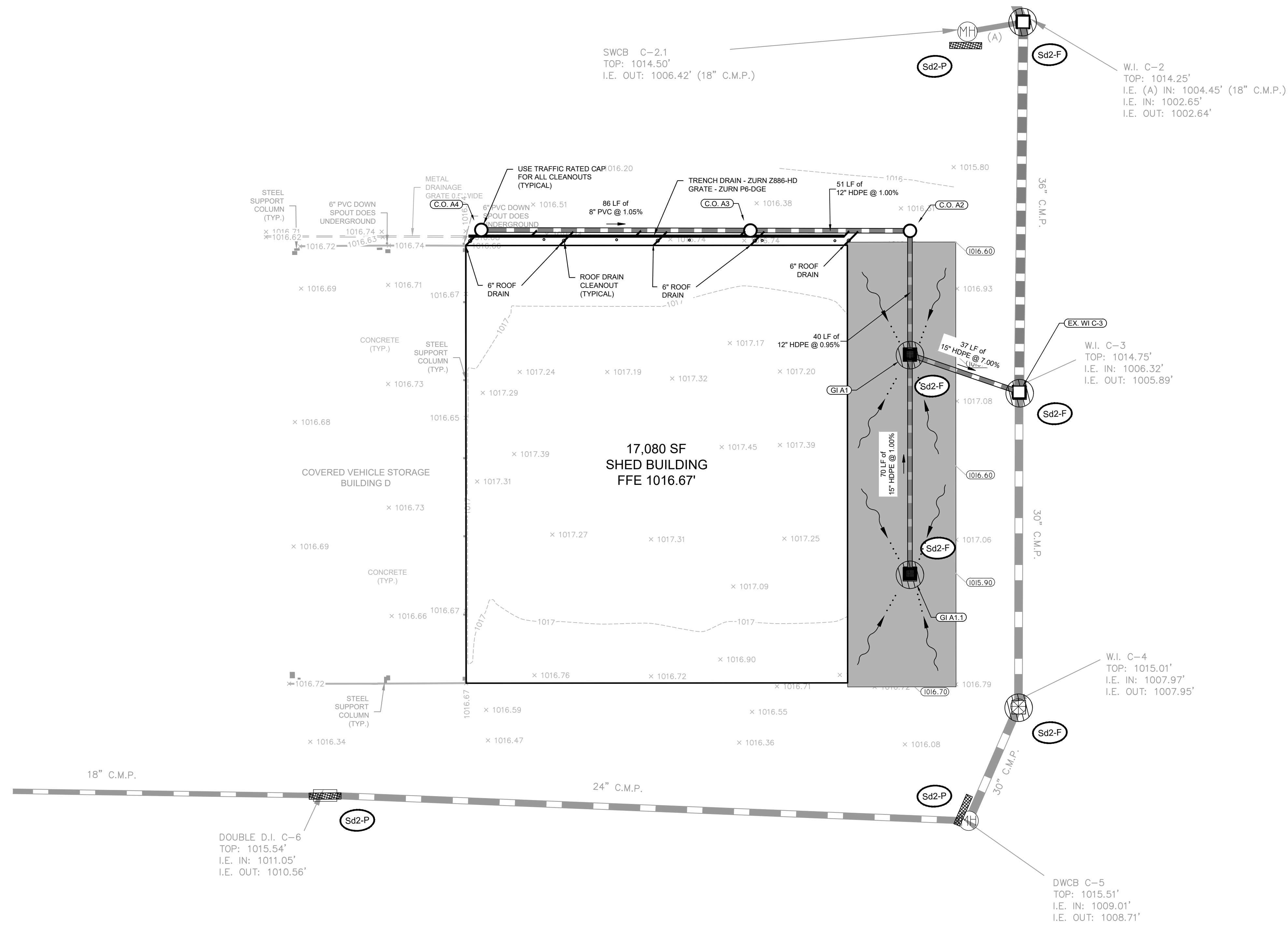
FILE NUMBER: 41172
 FILE NUMBER: 23

C1.1

RELEASE



FOR CONSTRUCTION



OWNER/DEVELOPER
 CITY OF LAWRENCEVILLE
 70 SOUTH CLAYTON STREET
 LAWRENCEVILLE, GA 30046
 CONTACT: JIM WRIGHT
 PHONE: 678-407-6582
 JIM.WRIGHT@LAWRENCEVILLEGA.ORG

ENGINEER:
 PRECISION PLANNING INC.
 400 PIKE BOULEVARD
 LAWRENCEVILLE, GA 30046
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 T. GEORGINA
 PROFESSIONAL ENGINEER
 036155
 05/27/23
 MICHAEL TODD

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LAWRENCEVILLE PUBLIC WORKS SHED EXPANSION PROJECT

GRADING & DRAINAGE

DESIGN	PPI	CHECKED	JRM	DATE	04-21-23
DRAWN	JRM	CHECKED	MTD	DATE	03-27-23

SHEET TITLE
RELEASE

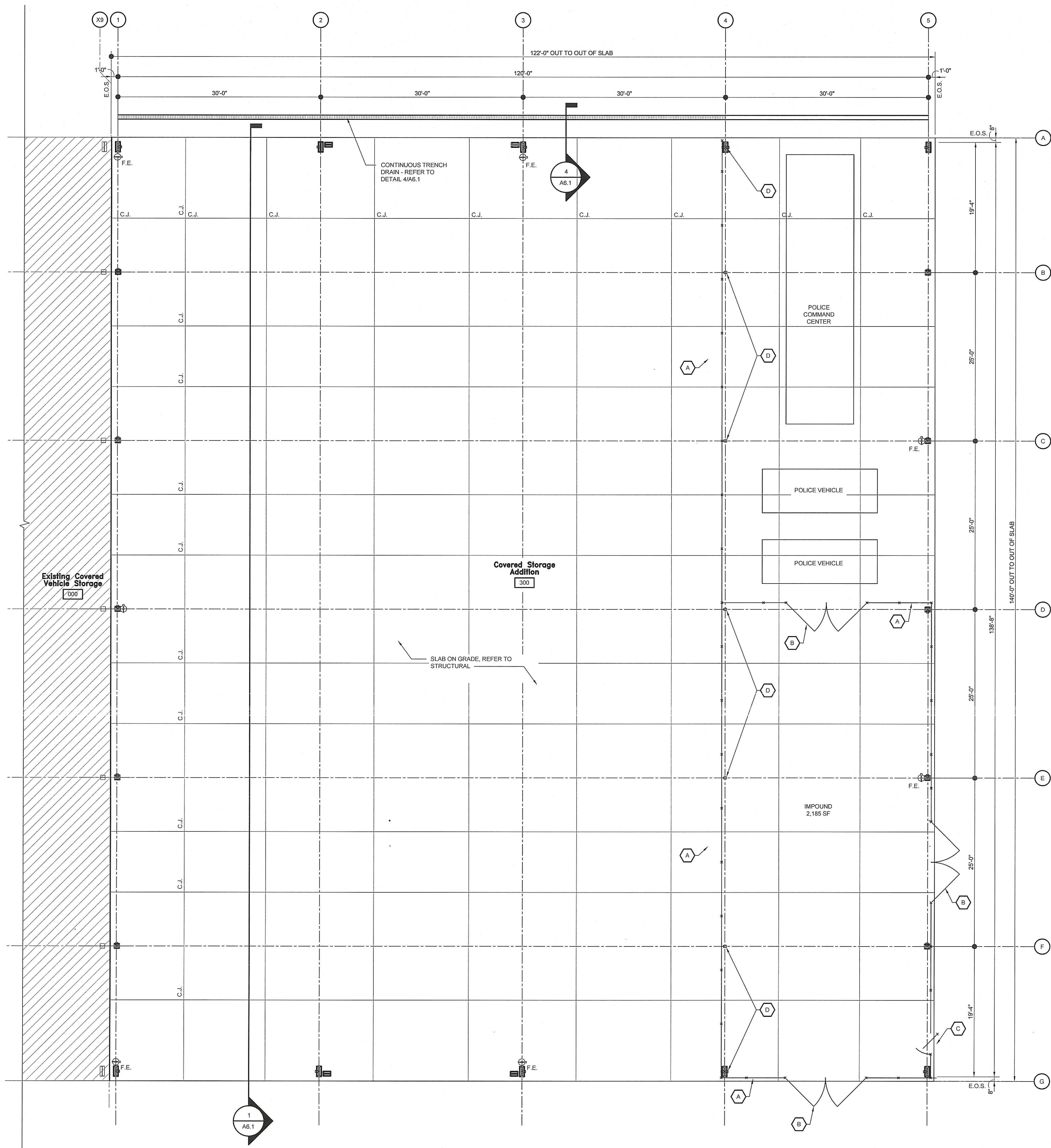
FOR CONSTRUCTION

DATE	09/23/2022	DESCRIPTION	RELEASED FOR PERMIT/OWNER REVIEW
DATE	03/27/23	DRAWING REVISIONS - OWNER REVIEW	
DATE	04-21-23	RELEASED FOR BID	

DATE: 09/23/2022
 DATE: 03/27/23
 DATE: 04-21-23

PROJECT NUMBER: A22-106
 FILE NUMBER: 4/1/23

C3.1



1 Reference Floor Plan
SCALE 1/8" = 1'-0"

Security Fence Notes

1. WIRE TIES, RAILS, POSTS AND BRACES SHALL BE CONSTRUCTED ON THE SECURE SIDE OF THE FENCE ALIGNMENT. CHAIN-LINK FABRIC SHALL BE PLACED ON THE PUBLIC SIDE OF THE SECURE AREA.
2. 9-GAUGE GALVANIZED, BLACK POWDER COATED STEEL. THE WIRES SHALL BE USED FOR FASTENING THE FENCE FABRIC TO FENCE POSTS AND RAILS. SPACING SHALL BE AT 12" O.C. AND 4" MAX. FROM TOP AND BOTTOM OF FABRIC. ENDS SHALL BE TWISTED A MINIMUM OF THREE (3) FULL TURNS.
3. POSTS FOR FENCE AND GATE SHALL BE GALVANIZED AND BLACK POWDER COATED. TOP, MID, AND BOTTOM RAILS FOR FENCE SHALL BE GALVANIZED, BLACK POWDER COATED. CHAIN-LINK FABRIC AND ASSOCIATED ITEMS SHALL BE GALVANIZED BLACK VINYL COATED FENCE FABRIC.

CORNER, END AND PULL POSTS	TUBULAR ROUND	2.875" O.D.
LINE POSTS	TUBULAR ROUND	2.375" O.D.
TOP, BOTTOM AND INTERMEDIATE RAILS	TUBULAR ROUND	1.66" O.D.

Dimension Notes

NOTES:

1. DO NOT SCALE DRAWINGS. IF DIMENSIONS ARE IN QUESTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CLARIFICATION IN WRITING FROM THE ARCHITECT PRIOR TO PROCEEDING.
2. ALL INTERIOR DIMENSIONS AT EXTERIOR WALLS ARE TAKEN TO EDGE OF SLAB UNLESS NOTED OTHERWISE.

ABBREVIATIONS:

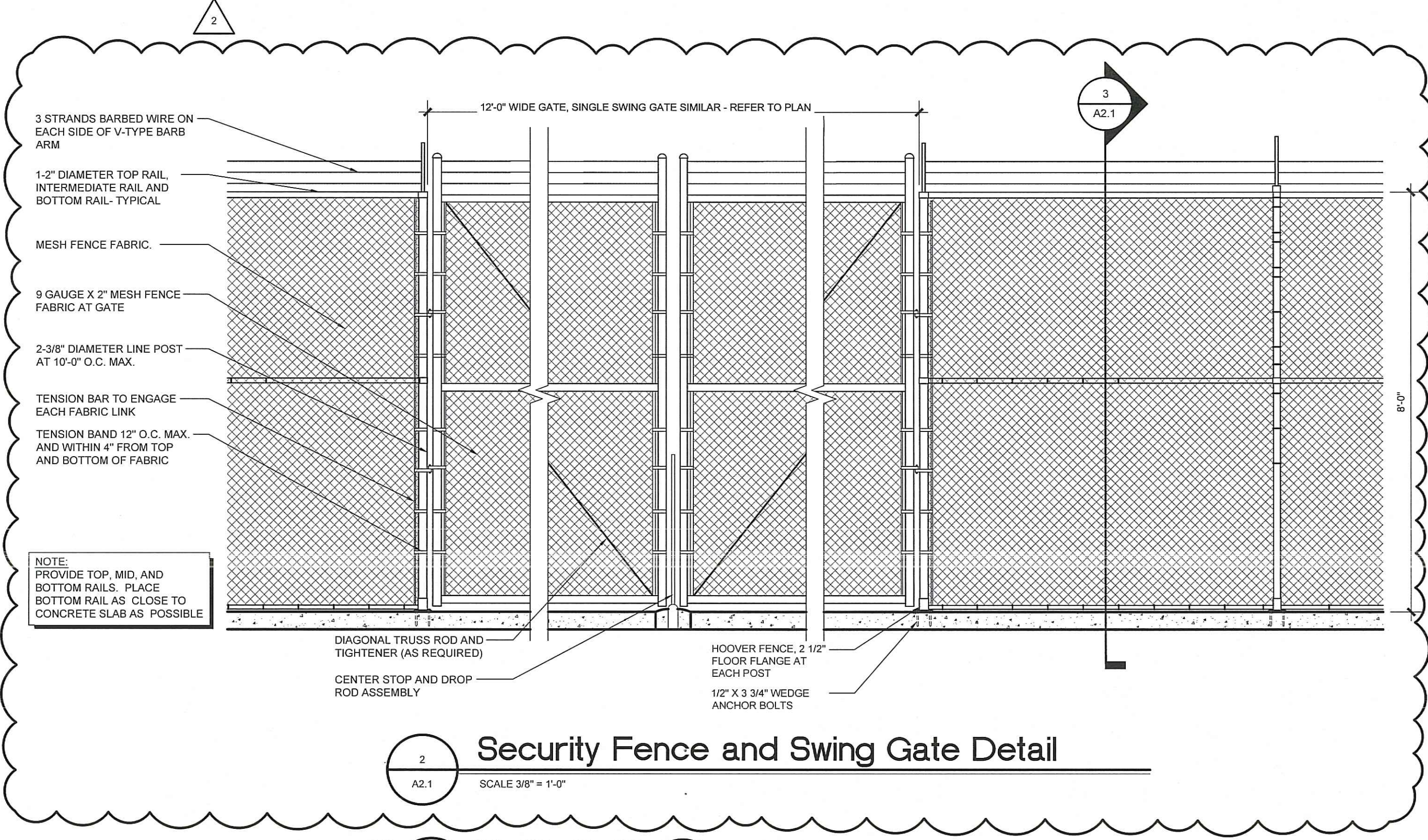
E.O.S. = EDGE OF SLAB
C.J. = CONTROL JOINT - REFER TO STRUCTURAL

Reference Keynotes

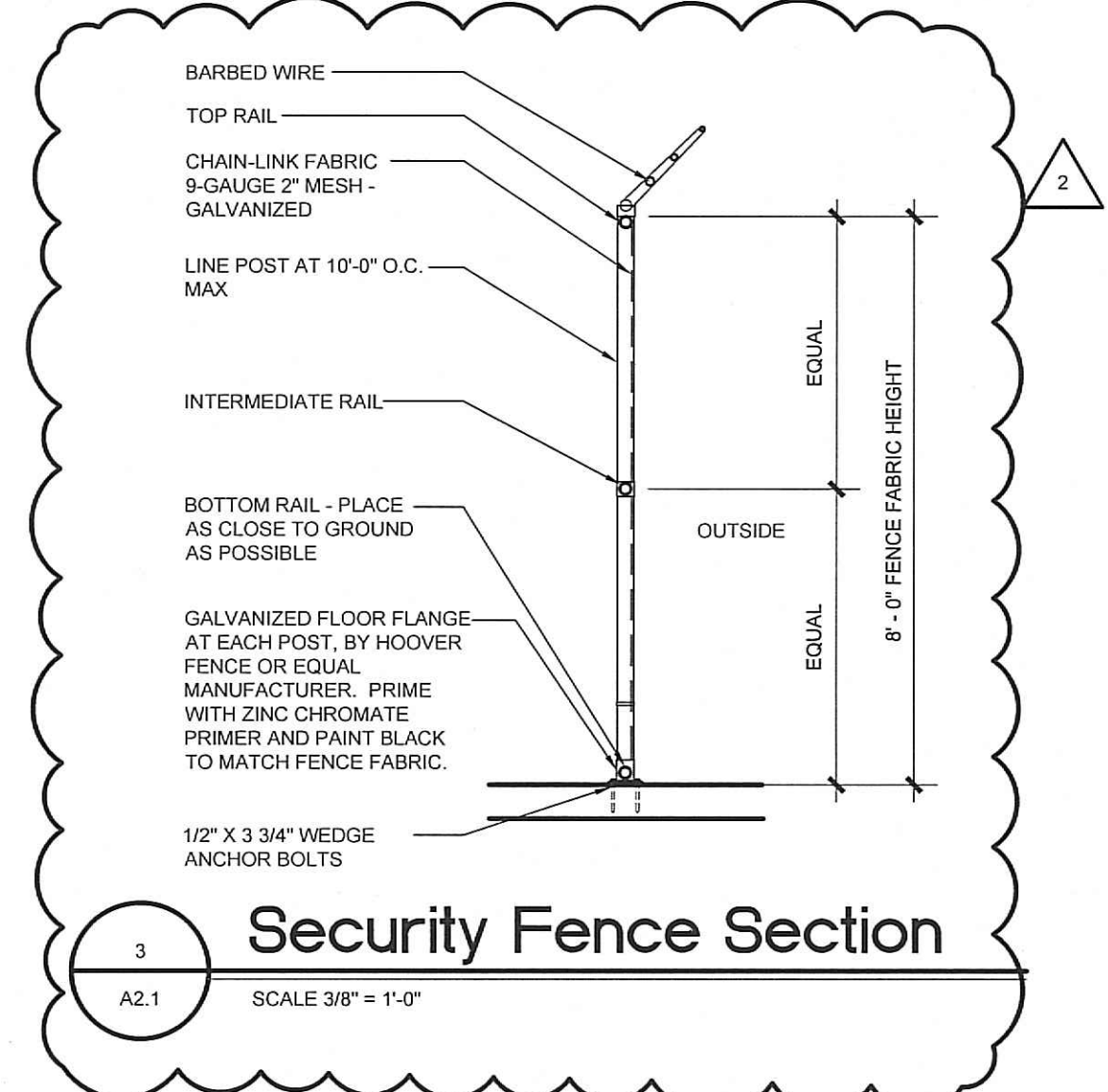
(A) 250' LINEAR FEET OF 8" TALL CHAIN-LINK FENCE
(B) 12' DOUBLE SWING LOCKABLE GATE - REFER TO DETAILS BELOW
(C) 3' SINGLE SWING LOCKABLE MAN GATE - REFER TO DETAILS BELOW
(D) FLOOR MOUNTED RECEPTACLES - REFER TO 8A2.1 AND ELECTRICAL

Fire Extinguisher Notes

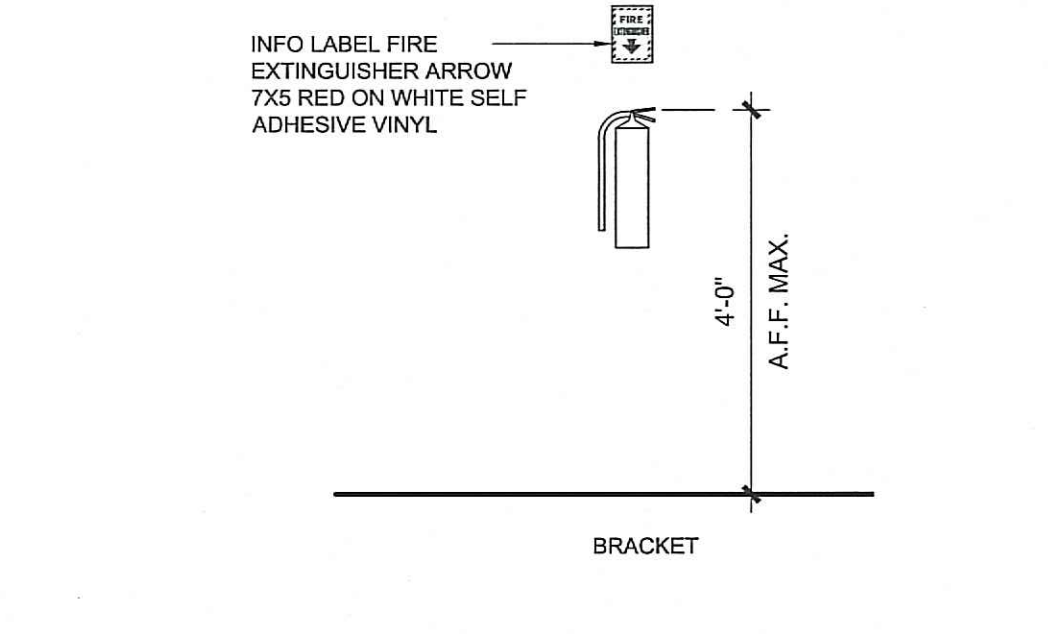
(F.E.) DENOTES BRACKET MOUNTED FIRE EXTINGUISHER
FIRE EXTINGUISHER: MULTI-PURPOSE DRY CHEMICAL-2A-10B:C
L.B. BY LARSENS



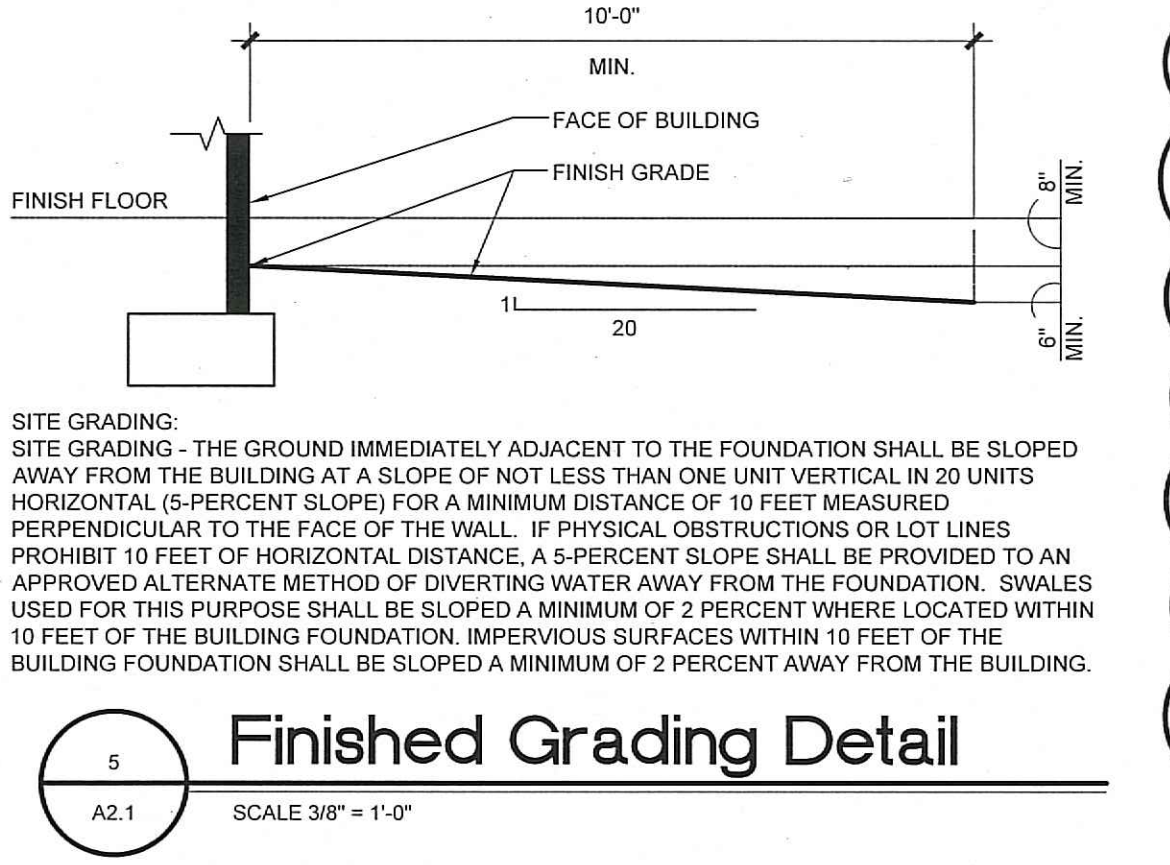
2 Security Fence and Swing Gate Detail
SCALE 3/8" = 1'-0"



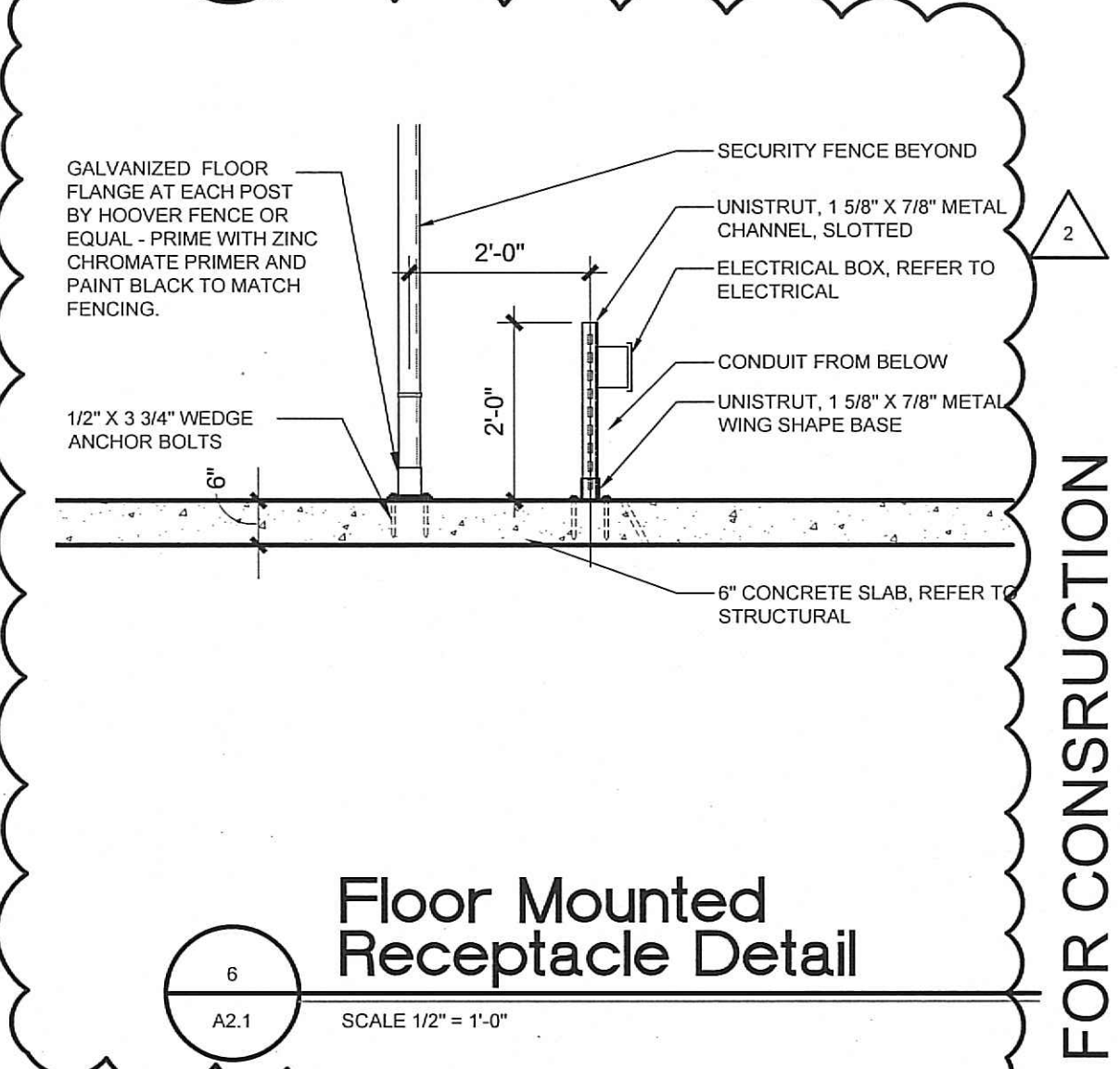
3 Security Fence Section
SCALE 3/8" = 1'-0"



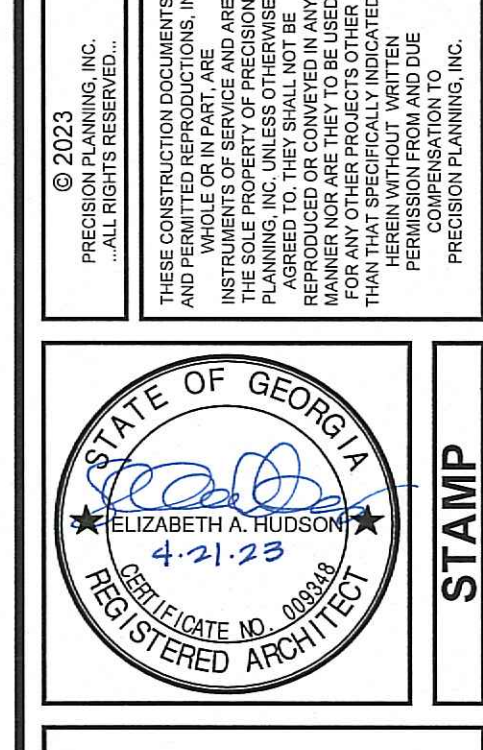
4 Fire Extinguisher Mounting Height Detail
SCALE 1/2" = 1'-0"



5 Finished Grading Detail
SCALE 3/8" = 1'-0"



6 Floor Mounted Receptacle Detail
SCALE 1/2" = 1'-0"



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REFERENCE
FLOOR PLAN
NOTES & DETAILS

DESIGN	PPI	DRAWN	MWT	CHECKED	JWD
--------	-----	-------	-----	---------	-----

DATE: 09/23/2022
DATE: 11/09/22
DATE: 03/27/23
DATE: 04-21-23

DESCRIPTION: RELEASED FOR PERMIT OWNER REVIEW
GWINNETT COUNTY FIRE COMMENT REVISIONS
DRAWING REVISIONS - OWNER REVIEW
RELEASED FOR BID

FILE NAME: 4/1/23
PROJECT NUMBER: 23

09/23/2022
DATE: 11/09/22
DATE: 03/27/23
DATE: 04-21-23

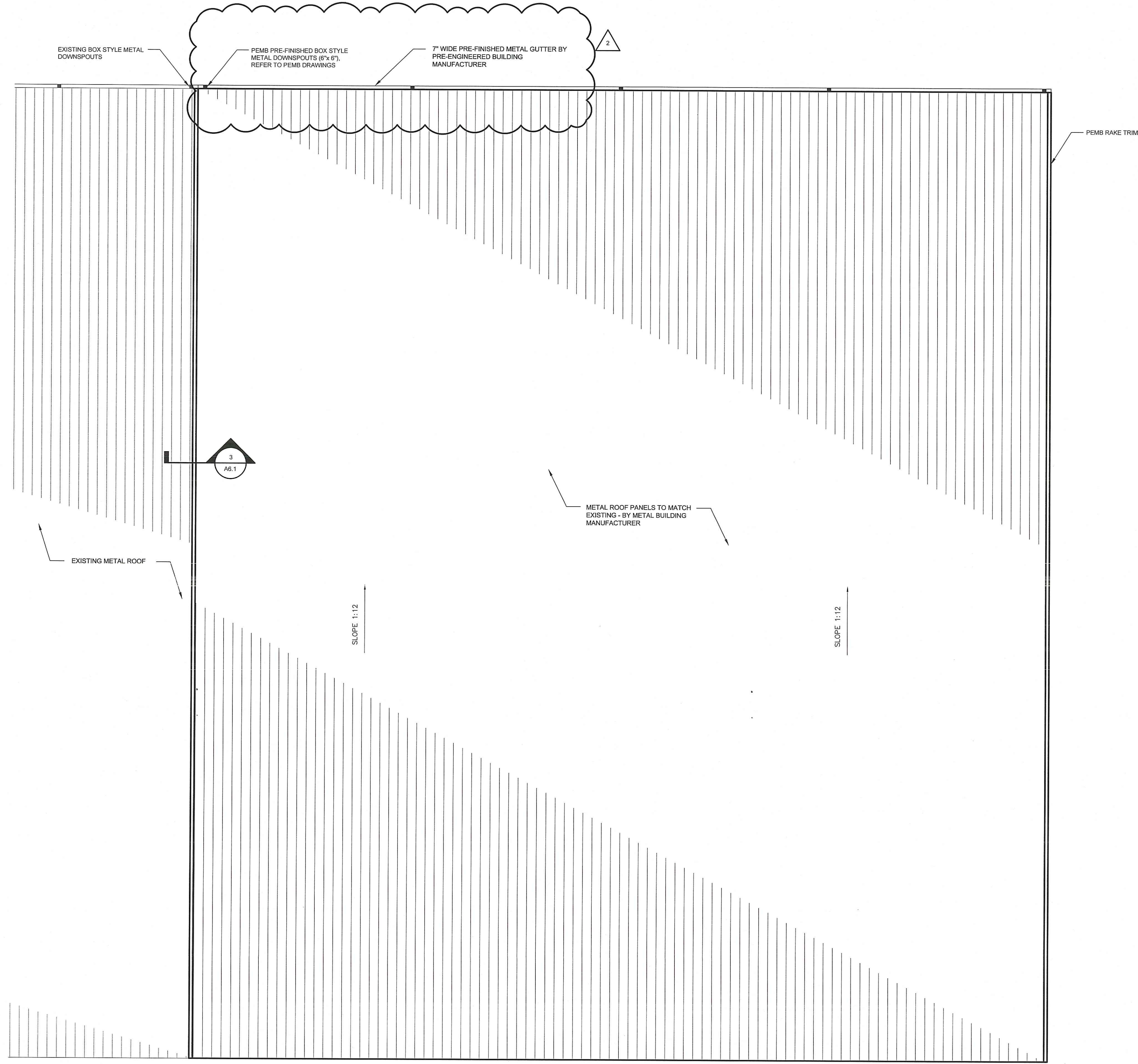
FILE NAME: 4/1/23
PROJECT NUMBER: 23

A2.1

FOR CONSTRUCTION

General Roof Notes

1. ROOF PLAN DEPICTS INTENT OF ROOF SLOPES.
2. ALL ROOF DETAILS SHALL BE APPROVED BY THE ROOF SYSTEM MANUFACTURER FOR SPECIFIED WARRANTY COVERAGE.
3. ANY NON-STANDARD DETAILS SHALL BE APPROVED IN WRITING BY THE ROOF SYSTEM MANUFACTURER PRIOR TO INSTALLATION.



1
A3.1
Roof Plan
SCALE 1/8" = 1'-0"

New Area Roof Drainage Calculation					
Roof Area	Roof Slope Factor	Calculated Roof Area	100Yr Factor	Required Downspout Area	Required # of 6x6 Downspouts
17,220 sq.ft.	Level to 3/12	1,00	17,220 sq.ft.	120	143.50 sq.in.
					4.78 = (5)

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STATE OF GEORGIA
ELIZABETH A. HUDSON
9-21-22
REGISTERED ARCHITECT
REGISTERED ARCHITECT

STAMP

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ROOF PLAN			
DESIGN	DRAWN	CHECKED	
PP	MWT	JWD	

DATE	NO.	DESCRIPTION
09/23/22		RELEASED FOR PERMIT/OWNER REVIEW
11/30/22		GWINNETT COUNTY FIRE COMMENT REVISIONS
03/27/23		DRAWING REVISIONS - OWNER REVIEW
04-21-23		RELEASED FOR BID

FOR CONSTRUCTION

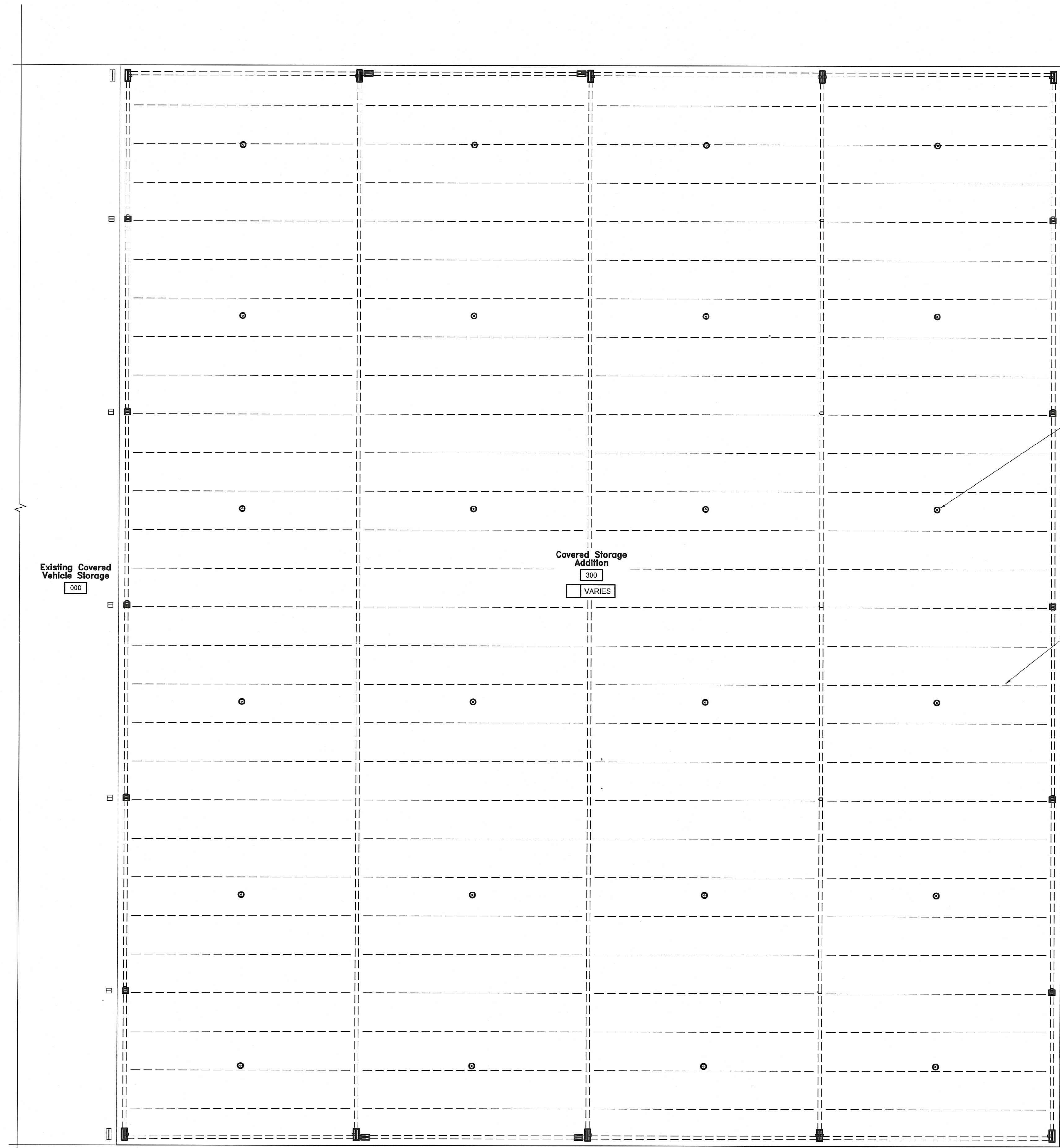
09/23/2022
DATE
A22-106
PROJECT NUMBER
FILE NAME
4/11/23
DATE

A3.1

PROJECT TITLE

DATE

DATE



1
A4.1
SCALE 1/8" = 1'-0"

RCP Notes

- REFER TO ELECTRICAL DRAWINGS FOR LIGHTING FIXTURE LAYOUT AND SPECIFICATIONS.
- ALL NOTED CEILING HEIGHTS ARE MEASURED FROM THE FINISH FLOOR OF THE LEVEL ON WHICH IT IS SHOWN AND CALLED OUT.
- = FP4, LED LIGHT FIXTURE - REFER TO ELECTRICAL DRAWINGS

RCP Symbol Legend

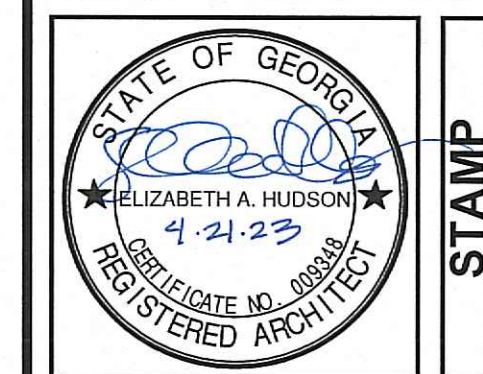
CEILING TYPE — CEILING HEIGHT

⌈ A | 8'-0" ⌋

Ceiling Type Schedule

⌈ VARIES ⌋ OPEN TO STRUCTURE, PAINT EXPOSED STRUCTURE AND ALL VISIBLE COMPONENTS SHALL BE PAINTED, TO MATCH EXISTING

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REFLECTED
CEILING PLAN

DESIGN	PP	DRAWN	MMT	CHECKED	JWD
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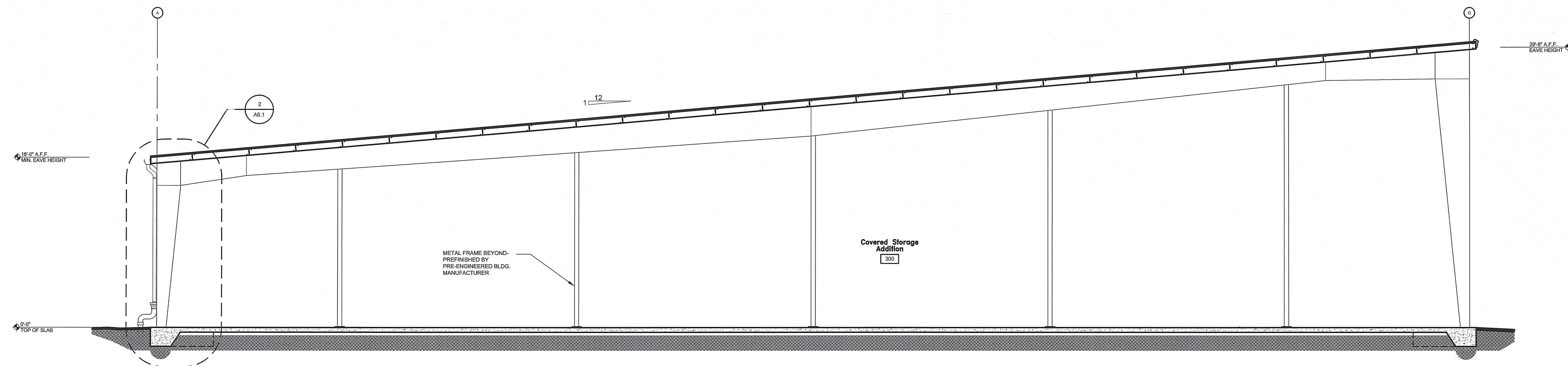
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11/09/22		GWINNETT COUNTY FIRE COMMENT REVISIONS
03/27/23		DRAWING REVISIONS - OWNER REVIEW
04-21-23		RELEASED FOR BID

FOR CONSTRUCTION

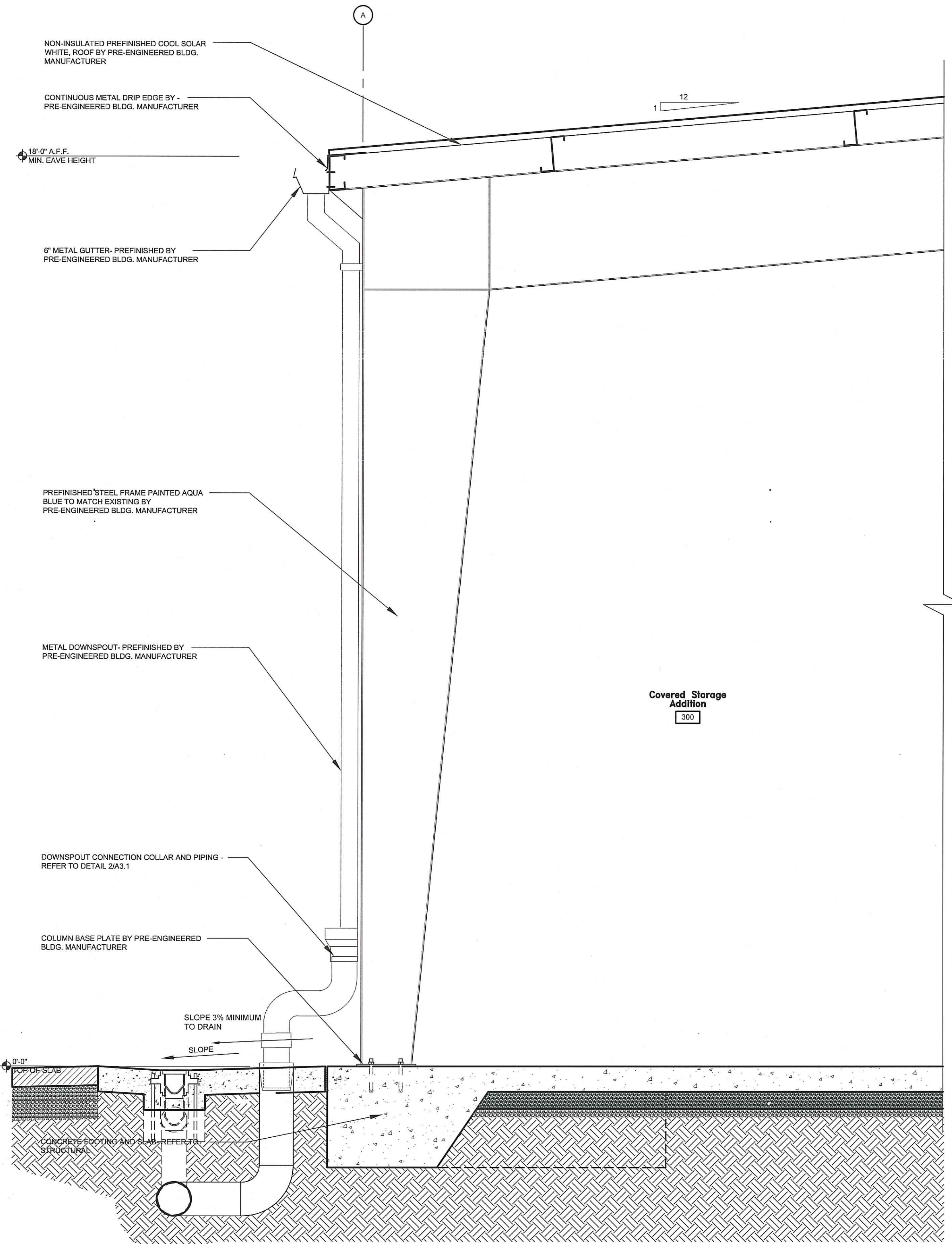
09/23/2022
DATE
A22-106
PROJ. NUMBER
FILE NAME
4/11/2023
DATE
4/11/2023
DATE

A4.1

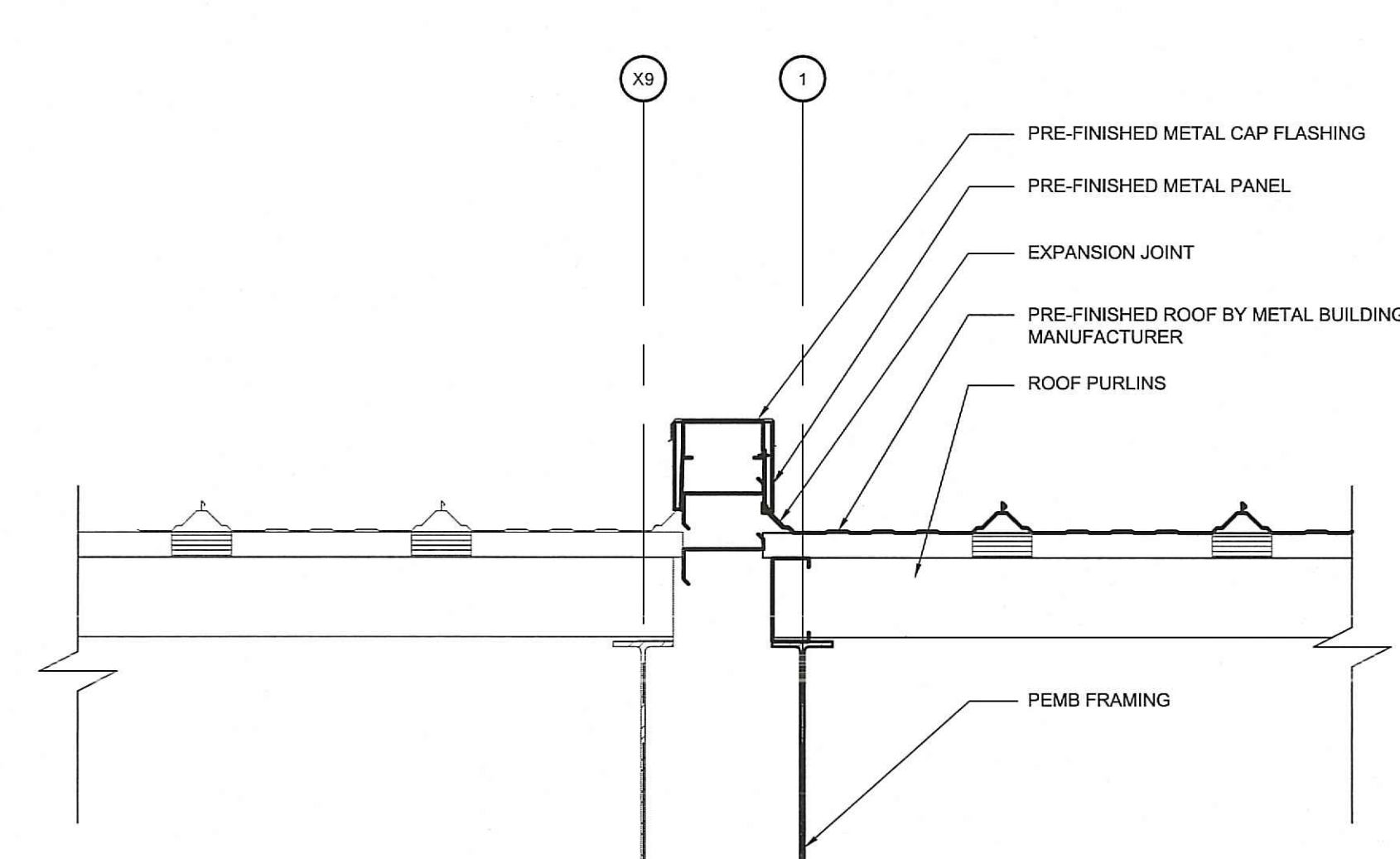




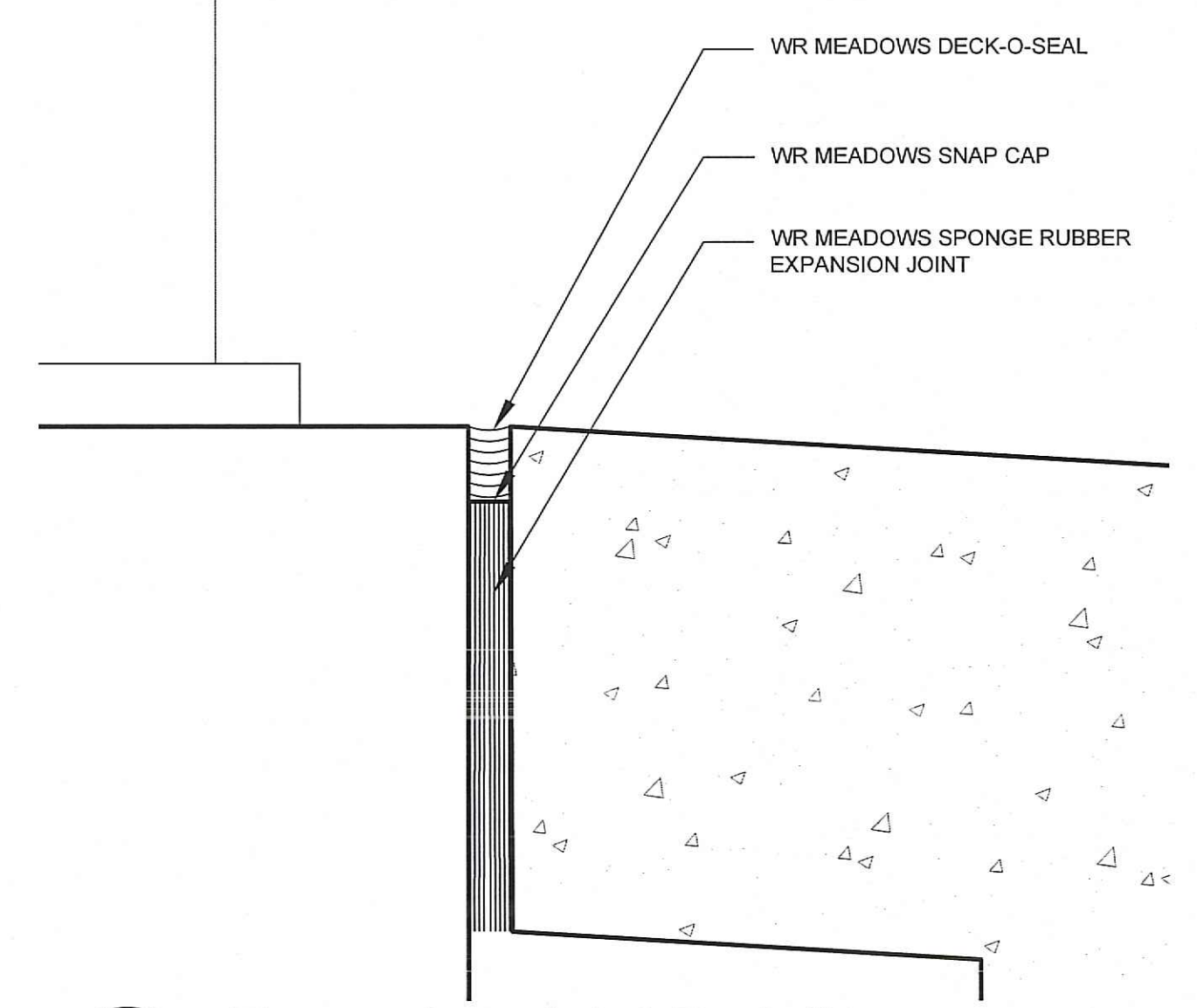
1 Building Section
A6.1 SCALE 3/16" = 1'-0"



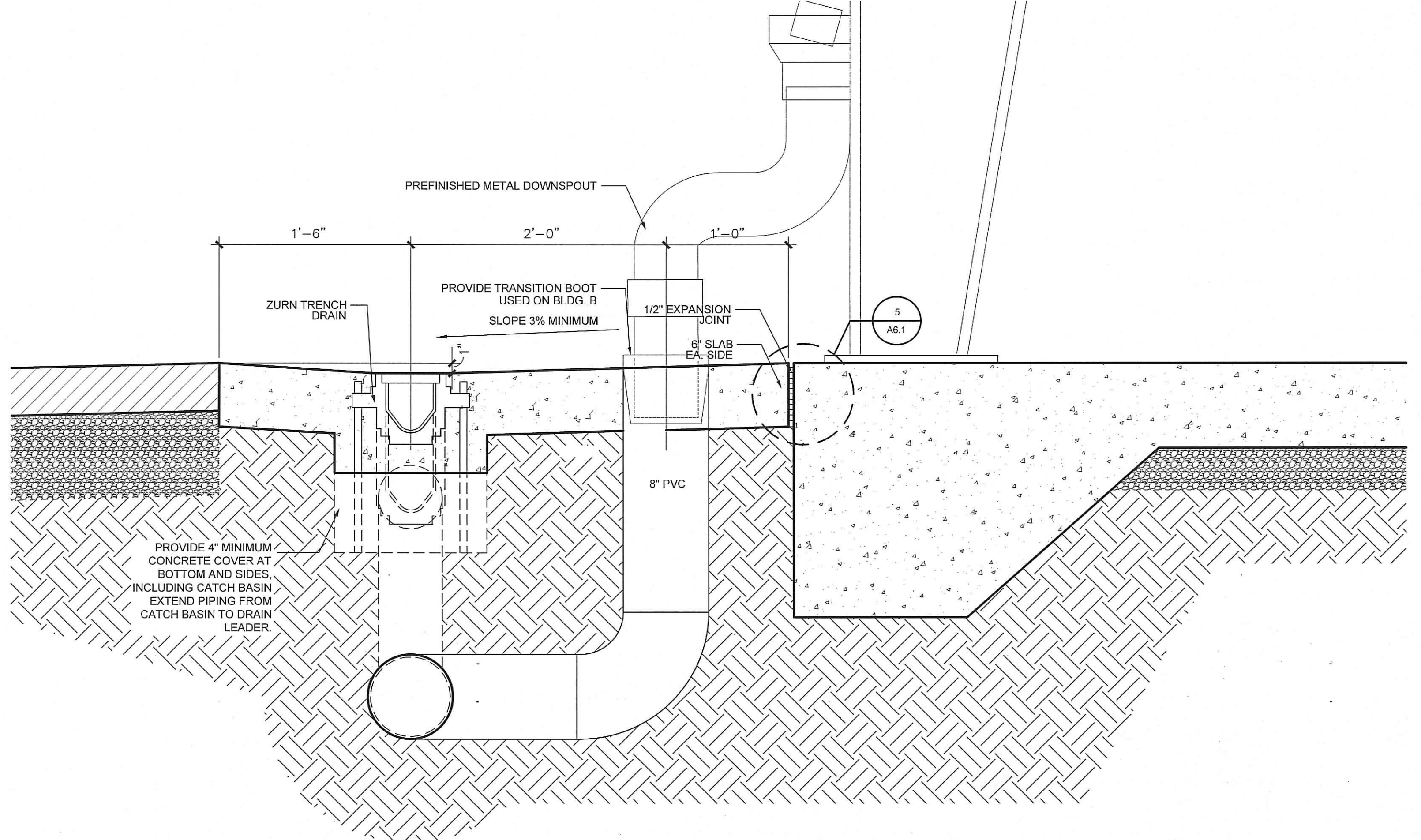
2 Wall Section
A6.1 SCALE 3/4" = 1'-0"



3 Roof Transition Detail
A6.1 SCALE 3/4" = 1'-0"

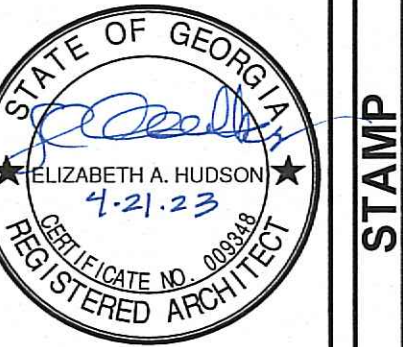


5 Expansion Joint Detail
A6.1 SCALE 6" = 1'-0"



4 Enlarged Drain Detail
A6.1 SCALE 1 1/2" = 1'-0"

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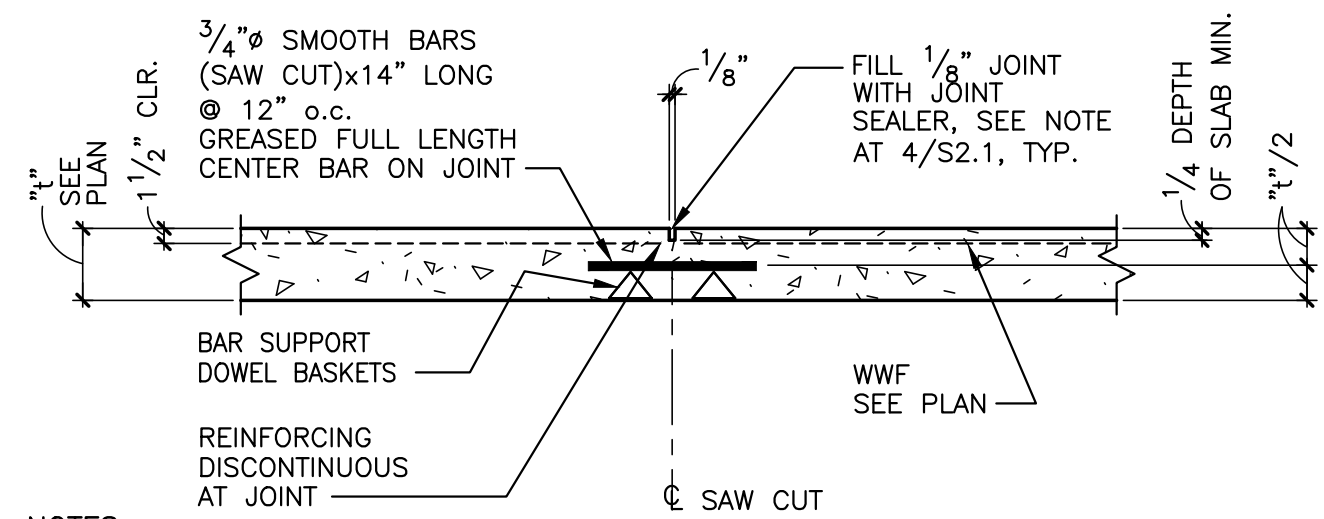
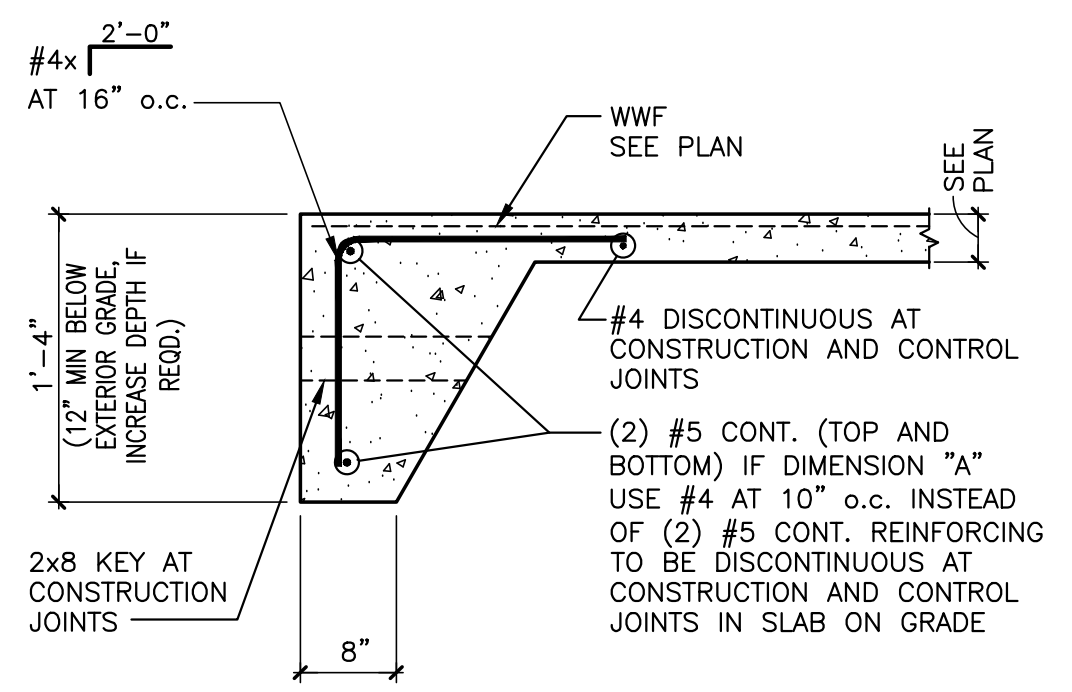
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DESIGN	PPI	DRAWN	JWD
CHECKED		CHECKED	JWD

DATE	NO	DESCRIPTION
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11/09/22	022-106	GWINNETT COUNTY FIRE COMMENT REVISIONS
03/27/23		DRAWING REVISIONS - OWNER REVIEW
04-21-23		RELEASED FOR BID

DATE	09/23/2022
DATE	11/09/22
PROJ. NUMBER	A22-106
FILE NAME	4/1/2023
DESIGNER	PPI
DRAWN	JWD
CHECKED	JWD
DATE	4/1/2023
DESIGNER	PPI
DRAWN	JWD
CHECKED	JWD

FOR CONSTRUCTION

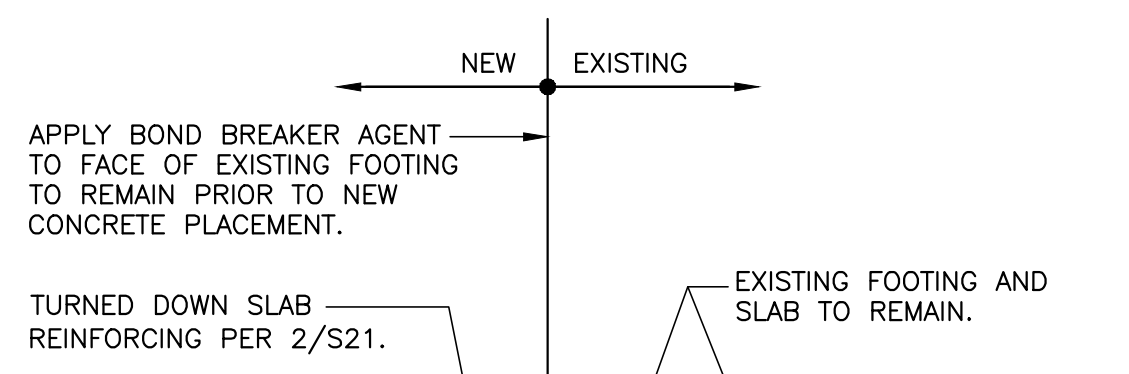
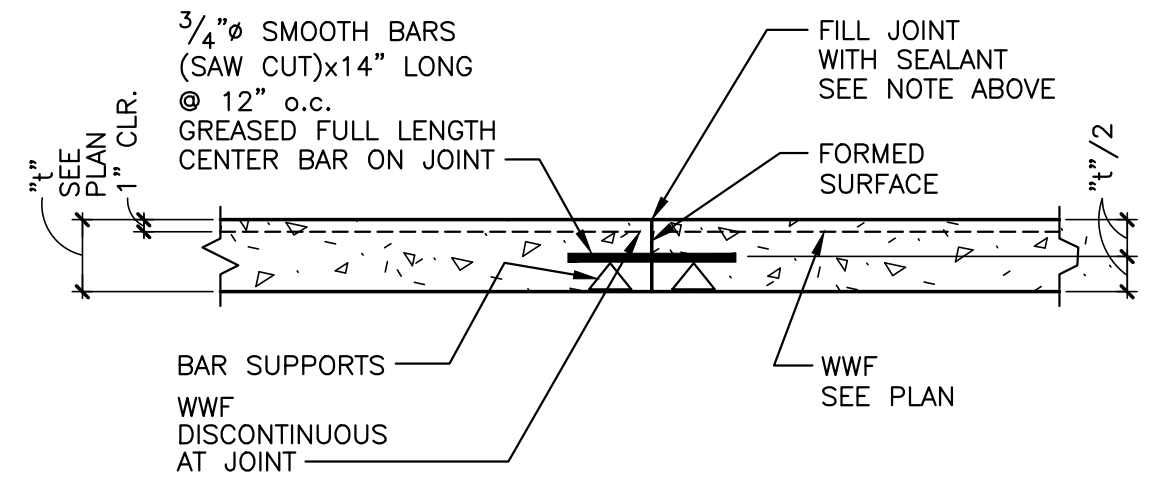
A6.1



TYP. TURNED DOWN SLAB
NOT TO SCALE

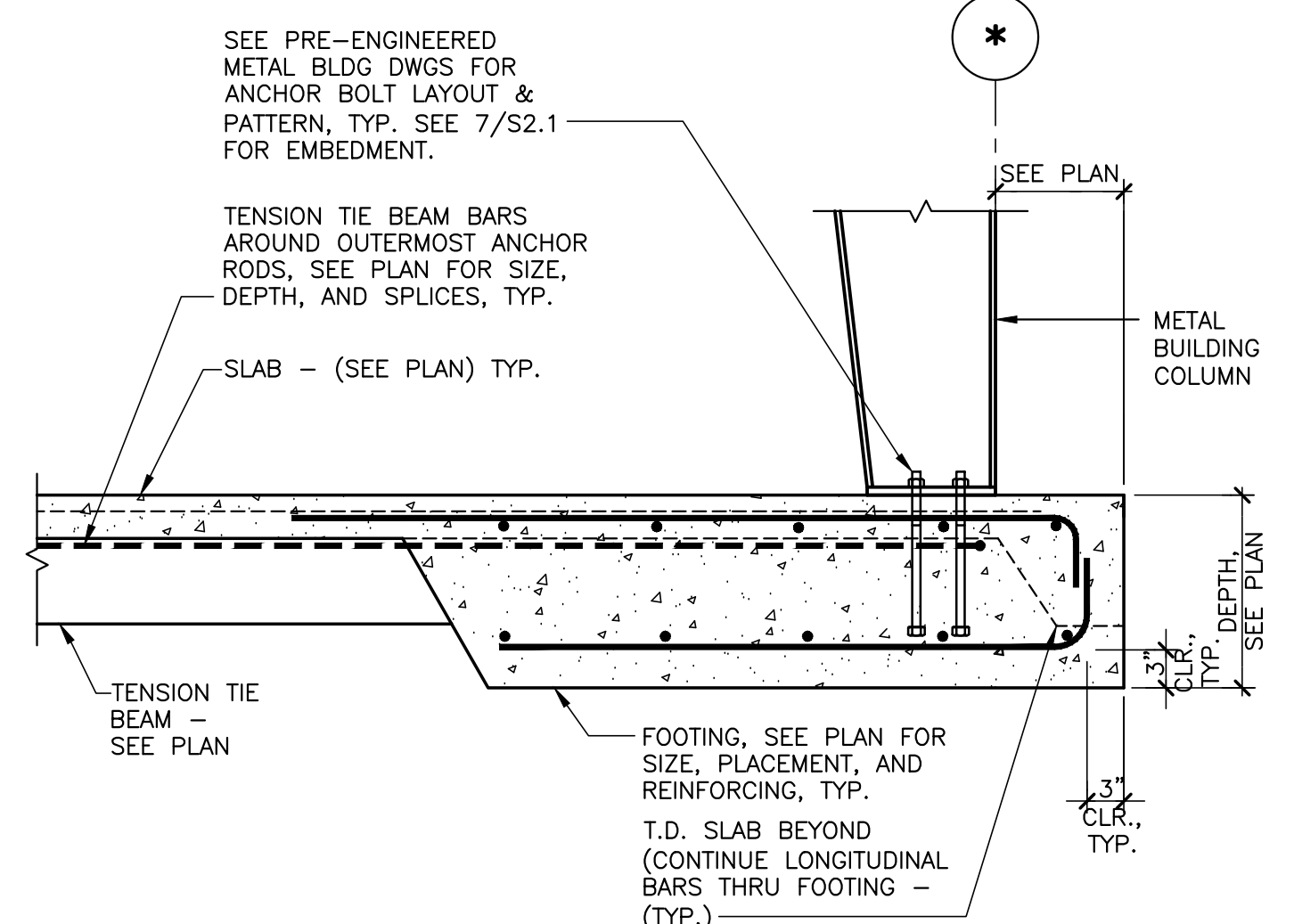
TYP. DOWELED CONTROL JOINT SLABS ON GRADE
NOT TO SCALE

JOINT SEALANT NOTES FOR 3 AND 4/S2.1:
 1. IN AREAS WHERE SMALL HARD WHEELED VEHICLES SUCH AS FORKLIFTS ARE TO BE USED, JOINT SEALANT SHALL BE METZGER MAGUIRE MM80. SEALANT SHALL BE INSTALLED AFTER MOST SLAB MOVEMENT HAS TAKEN PLACE (3 TO 6 MONTHS AFTER CASTING SLAB).
 2. OTHER JOINTS: ELASTOMERIC SEALANTS SHALL BE DOW CORNING 888.



TYP. DOWELED CONSTRUCTION JOINT SLABS ON GRADE
NOT TO SCALE

TYPICAL SECTION AT NEW SLAB TO EXISTING BUILDING
SCALE: 3/4" = 1'-0"

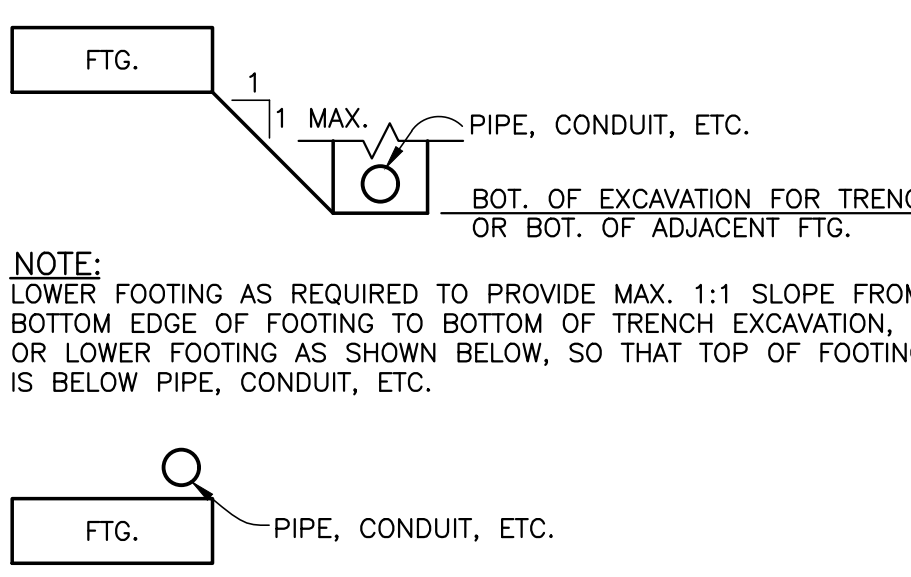
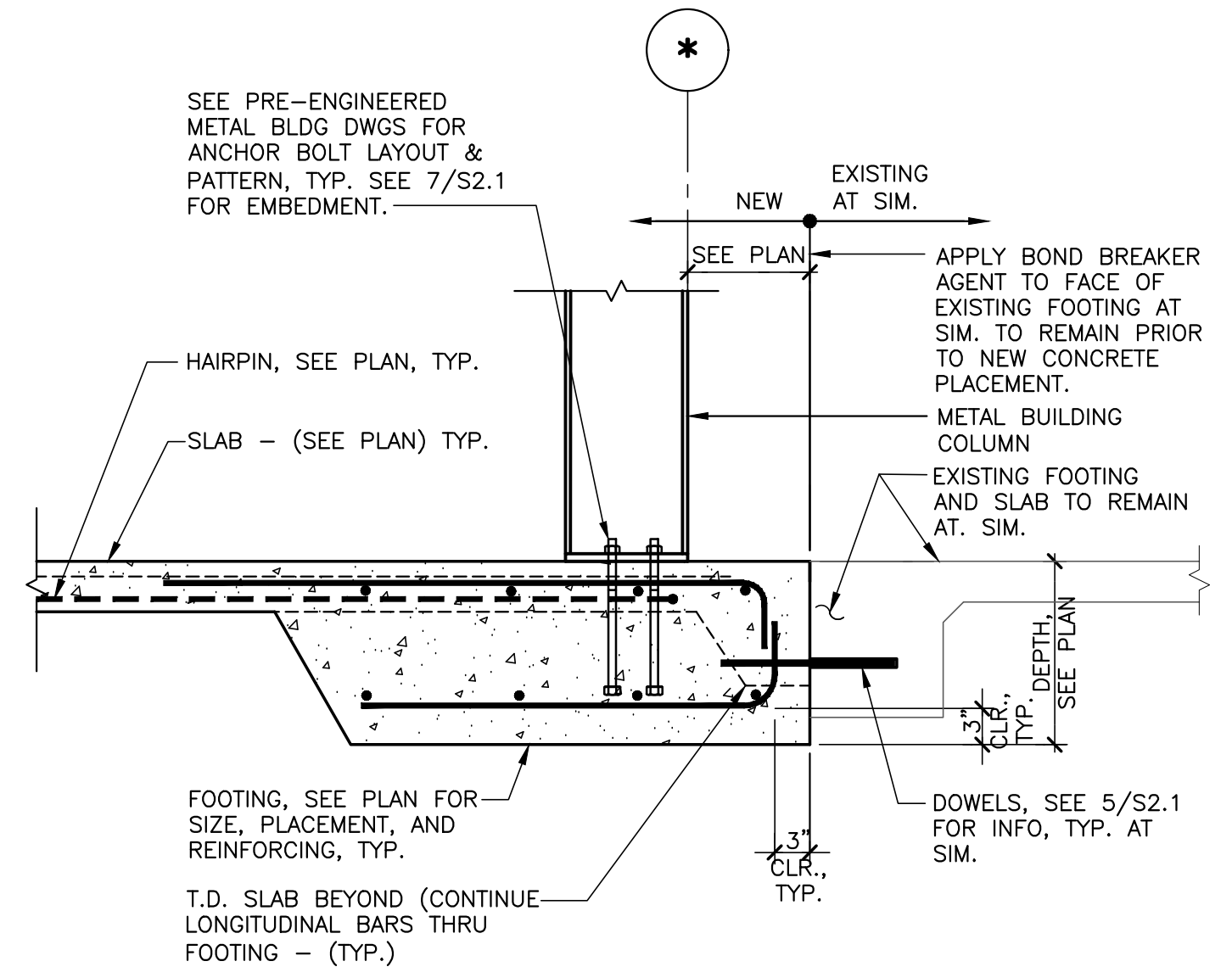


EMBEDMENT SCHEDULE

ANCHOR BOLT DIAMETER (db)	MINIMUM EMBEDMENT (SEE NOTE 2)
3/4"	1'-0"
1"	1'-4"
1 1/4"	1'-9"
1 1/2"	2'-6"

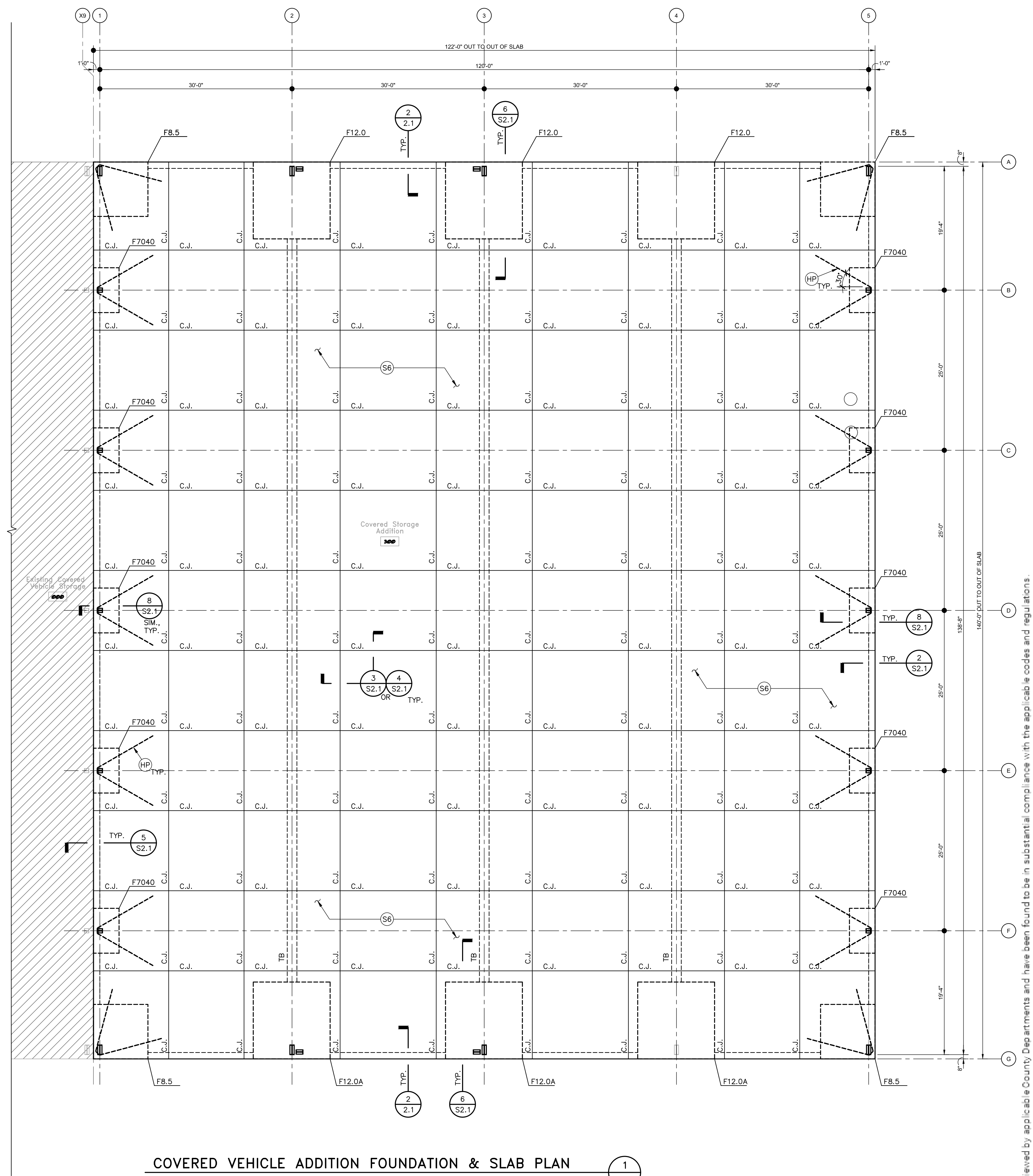
NOTES:
 1. FOR METAL BUILDING COLUMNS QUANTITY AND DIAMETER SHALL BE AS SPECIFIED BY METAL BUILDING MANUFACTURER.
 2. WHERE CENTERLINE OF EXTERIOR ANCHOR IS LESS THAN 6" ANCHOR DIAMETERS FROM BRICK LEDGE, ANCHOR LENGTH SHOWN SHALL BE INCREASED BY 8"-INCHES, TYPICAL.
 3. THICKEN FOOTING 3" MINIMUM BEYOND ANCHOR BOLTS ON ALL SIDES, TO PROVIDE MINIMUM 3" COVER BELOW BOTTOM OF ANCHOR BOLTS, IF REQUIRED.

TYP. ANCHOR BOLT EMBEDMENT SCHEDULE
NOT TO SCALE



TYPICAL METAL BUILDING FOOTING AT WIND COLUMN
NOT TO SCALE

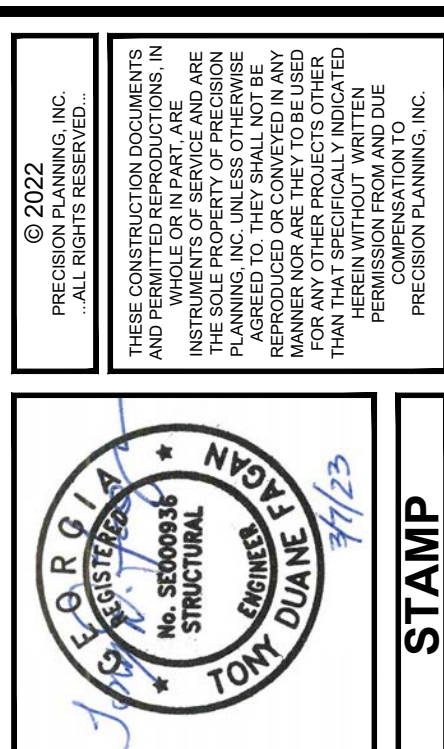
TYP. FOUNDATION INFLUENCE DETAIL
NOT TO SCALE



KEYNOTES/LEGEND:
 TB CONCRETE TENSION TIE BEAM INTEGRAL WITH SLAB, 18" WIDE x 12" DEEP WITH (2) #8 TENSION BARS SET 4" BELOW TOP OF SLAB WITH HAIRPIN AROUND ANCHOR BOLT SET AT EACH END. TYPICAL. BAR SPLICES SHALL BE STAGGERED AND OFFSET BY 4" MINIMUM, WITH SPLICES BEING MADE WITH MECHANICAL CONNECTORS MEETING 1.25fy (75 KSI) MINIMUM, TYP.
 C.J. SEE 3 OR 4/S2.1, TYP.
 F4070 4'-0"x7'-0"x24" DEEP CONCRETE FOOTING WITH (9) #6 x 3'-6" TRANSVERSE (BOTTOMMOST LAYER) AND (5) #6 x 6'-6" LONGITUDINAL, BOTTOM, AND (5) #6 x 11'-0" LONGITUDINAL AND (9) #4 x 6'-0" TRANSVERSE (TOPMOST LAYER). TOP BARS SHALL EXTEND INTO SLAB BEYOND FOOTING, TYPICAL, AND ALL TRANSVERSE BARS SHALL HAVE A 90 DEGREE STANDARD HOOK AT EXTERIOR END, TYPICAL.

KEYNOTES/LEGEND (CONT.):
 F8.5 8'-6"x8'-6"x26" DEEP CONCRETE FOOTING WITH (9) #6 x 8'-0" E.W., BOTTOM, AND (9) #5 x 10'-6" TOP. TOP BARS SHALL EXTEND INTO SLAB BEYOND FOOTING, TYPICAL, AND ALL BARS SHALL HAVE A 90 DEGREE STANDARD HOOK AT THE EXTERIOR END, TYPICAL.
 F12.0 12'-0"x12'-0"x30" (33" AT F12.0A) DEEP CONCRETE FOOTING WITH (16) #6 x 11'-6" E.W. BOTTOM, AND (16) #6 x 11'-6" E.W. TOP. BAR LAYERS PERPENDICULAR TO EXTERIOR EDGE OF SLAB SHALL BE HOOKED WITH A 90 DEGREE STANDARD HOOK AND SHALL BE PLACED IN THE BOTTOMMOST AND TOPMOST LAYERS.
 HP #6 HAIRPIN (10' LEG, TYP.) PLACED BELOW FOOTING TOP REINFORCING AND AROUND ANCHOR BOLT SET, TYP.

KEYNOTES/LEGEND (CONT.):
 S6 6" NORMAL WEIGHT CONCRETE (f'c=4,000 PSI) CONCRETE SLAB WITH 6X6-W2.XW2.9 WWF IN SLAT SHEETS PLACED 1/2" BELOW SLAB OVER VAPOR BARRIER (SEE ARCHITECTURAL) OVER 4" MINIMUM DEGREE STANDARD HOOK AT EXTERIOR END, TYPICAL.



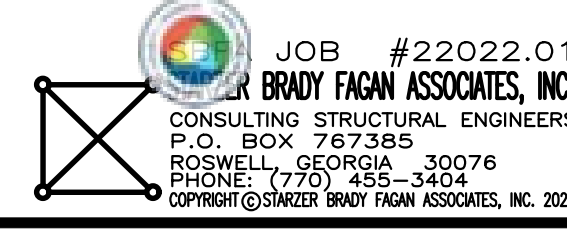
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FOUNDATION & SLAB PLAN AND DETAILS

DATE	NO	DESCRIPTION
09/23/2022	01	RELEASED FOR PERMIT/OWNER REVIEW
03/10/23	02	RELEASED FOR PERMIT DRAWING REVISIONS
03/27/23	03	DRAWING REVISIONS - OWNER REVIEW
04-21-23	04	RELEASED FOR BID

S2.1



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 CONSULTING STRUCTURAL ENGINEERS
 P.O. BOX 747240
 ROSWELL, GEORGIA 30076
 PHONE: 404.585.3134
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These project documents have been reviewed by applicable County Departments and have been found to be in substantial compliance with the applicable codes and regulations.

FOR CONSTRUCTION

RELEASE

SHEET TITLE

PROJECT

STAMP

SYMBOLS LEGEND

DEVICE SYMBOL LEGEND

FLOOR	CEILING	WALL STANDARD HEIGHT	WALL NON-STANDARD HEIGHT	DESCRIPTION
□	□	□	□	JUNCTION BOX
□	□	□	□	LOW VOLTAGE JUNCTION BOX
□	□	□	□	SINGLE RECEPTACLE
□	□	□	□	DUPLX RECEPTACLE
□	□	□	□	DUPLX RECEPTACLE, SPLIT-WIRED
□	□	□	□	DOUBLE DUPLX RECEPTACLE
□	□	□	□	DOUBLE DUPLX RECEPTACLE, SPLIT-WIRED
□	□	□	□	GFCI DUPLX RECEPTACLE
□	□	□	□	GFCI DOUBLE DUPLX RECEPTACLE
□	□	□	□	SPECIAL PURPOSE RECEPTACLE
□	□	□	□	MULTI-SERVICE ASSEMBLY FLOOR OUTLET

POWER SYMBOL LEGEND

Symbol	Description
⊞	COMBINATION STARTER
⊞	DISCONNECT SWITCH: 30/3 F/WP INDICATES 30 AMP, 3-POLE, F-WIRED / NF-NOT-FUSED, WEATHERPROOF
⊞	EQUIPMENT AS NOTED. DOUBLE LINE INDICATES FRONT OF EQUIPMENT
⊞	MOTOR
⊞	MOTOR RATED SWITCH
⊞	MOTOR STARTER
⊞	SURFACE MOUNTED PANELBOARD
⊞	FLUSH MOUNTED PANELBOARD
⊞	REVENUE METER
⊞	SLEEVE THROUGH WALL
⊞	PLYWOOD BACKBOARD
⊞	SURFACE RACEWAY
⊞	PUSHBUTTON
⊞	BUSWAY RISER
⊞	PULLBOX
⊞	KNOX BOX

MISCELLANEOUS SYMBOLS

Symbol	Description
✕	NOTE REFERENCE SYMBOL

LUMINAIRE MOUNTING AND WIRING

SWITCHED NORMAL	SWITCHED EMERGENCY	UNSWITCHED EMERGENCY	DESCRIPTION
□	□	□	SURFACE MOUNTED
□	□	□	RECESSED
□	□	□	WALL MOUNTED
□	□	□	PENDANT

LIGHTING SYMBOLS

Symbol	Description
⊞	EMERGENCY LIGHTING UNIT
⊞	COMBINATION EMERGENCY LIGHTING UNIT / EXIT SIGN
⊞	WALL WASH, ACCENT, OR DIRECTIONAL LUMINAIRE
⊞	TRACK MOUNTED LUMINAIRE
⊞	POLE MOUNTED AREA LIGHT
⊞	STEP LIGHT / PATHWAY LIGHT
⊞	IN-GRADE LUMINAIRE
⊞	BOLLARD / POST-TOP LUMINAIRE
⊞	SINGLE POLE SWITCH
⊞	THREE WAY SWITCH
⊞	WALL BOX DIMMER SWITCH
⊞	DIGITAL TIME SWITCH
⊞	LIGHTING CONTROL STATION
⊞	WALL MOUNTED OCCUPANCY / VACANCY SENSOR
⊞	360° OCCUPANCY / VACANCY SENSOR
⊞	DAYLIGHT SENSOR
⊞	POWER PACK
⊞	EXTERIOR PHOTO CELL
⊞	TIME CLOCK
⊞	WALL MOUNTED EXIT SIGN
⊞	CEILING MOUNTED EXIT SIGN

ABBREVIATIONS

A	AMPERES	EXT	EXTERIOR	OL	OVERLOAD
AB	ABOVE	F	FUSE(D)	P	POLE(S)
AC	ALTERNATING CURRENT	FA	FIRE ALARM	P/T/Z	PAN TILT ZOOM
AF	AMPERE FRAME	FACP	FIRE ALARM CONTROL P.AEL	PS	PUSHBUTTON
AFCI	ARC FAULT CIRCUIT INTERRUPTER	FCU	FAN COIL UNIT	PB	PULLBOX
AFF	ABOVE FINISHED FLOOR	FIXT	FIXTURE	PC	PHOTOCELL
AFG	ABOVE FINISHED GRADE	FL	FLOOR	PF	POWER FACTOR
AHC	ABOVE HUNG CEILING	FLA	FULL LOAD AMPERES	PH	PHASE
AHU	AIR HANDLING UNIT	FLEX	FLEXIBLE	PL	PILOT LIGHT
AIC	AMPERE INTERRUPTING CAPACITY	FLR	FLOOR	PNL	PANEL
ANN	ANNUNCIATOR	FLUOR	FLUORESCENT	PR	PAIR
ASDD	AIR SAMPLING SMOKE DETECTION	FO	FIBER OPTIC	PRI	PRIMARY
ASTS	AUTOMATIC STATIC TRANSFER SWITCH	FRA	FIRE ALARM REMOTE ANNUNCIATOR	PVC	POLYVINYL CHLORIDE
AT	AMPERE TRIP	FURN	FURNISH	PWR	POWER
ATS	AUTOMATIC TRANSFER SWITCH	FUT	FUTURE	REC	RECEPTACLE
AUTO	AUTOMATIC	FVNR	FULL VOLTAGE NON-REVERSING	RECT	RECTIFIER
AUX	AUXILIARY	G, GND	GROUND	REFR	REFRIGERATOR
AWG	AMERICAN WIRE GAUGE	GALV	GALVANIZED	RGS	RIGID GALVANIZED STEEL CONDUIT
BAS	BUILDING AUTOMATION SYSTEM	GEN	GENERATOR	SFL	SUB-FEED LUGS
BATT	BATTERY	GFCI	GROUND FAULT CIRCUIT INTERRUPTER	RM	ROOM
BB	BACKBOARD	GFP	GROUND FAULT PROTECTION	SB	SWITCHBOARD
BC	BARE COPPER	HD	HEAVY DUTY	SCH	SCHEDULE
BC/BF	DEVICES MOUNTED BELOW SUSPENDED CEILING AND BELOW RAISED FLOOR	HGT, HT	HEIGHT	SEC	SECONDARY
BFF	BELOW FINISHED FLOOR	HH	HAND HOLE	SFI	SHUNT TRIP
BKR	BREAKER	HID	HIGH INTENSITY DISCHARGE	SHT	SHEET
BLDG	BUILDING	HO	HIGH OUTPUT	SPC	SPACE
BRF	BELOW RAISED FLOOR	HOA	HAND-OFF-AUTOMATIC	SPKR	SPEAKER
BTM	BOTTOM	HP	HORSEPOWER	SFR	SQUARE
BW	BOTH WAYS	HFF	HIGH POWER FACTOR	SS	STAINLESS STEEL
C	CONDUIT	HPS	HIGH PRESSURE SODIUM	SSRVS	SOLID STATE REDUCED VOLTAGE STARTER
CAB	CABINET	HTR	HEATER	ST	SHUNT TRIP
CATV	CABLE TELEVISION	HV	HIGH VOLTAGE	STP	SHIELDED TWISTED PAIR
CB	CIRCUIT BREAKER	IC	INTERCOMMUNICATION	STS	STATIC TRANSFER SWITCH
CC	CCTV CAMERA	ID	IDENTIFY, IDENTIFICATION	SUSP	SUSPENDED
CKT	CIRCUIT	IMC	INTERMEDIATE METAL CONDUIT	SW	SWITCH
CL	CENTERLINE	INCAND	INCANDESCENT	SWBD	SWITCHBOARD
CLG	CEILING	INSUL	INSULATION	SWGR	SWITCHGEAR
CO	COMPANY	IPS	INTERRUPTIBLE POWER SUPPLY	T, TEL	TELEPHONE
COL	COLUMN	IR	PASSIVE INFRARED	TELE	TELEPHONE
COMM	COMMUNICATIONS	JB, J-BOX	JUNCTION BOX	T, STAT	THERMOSTAT
CONC	CONCRETE	JCT	JUNCTION	TB	TAP BOX
CONN	CONNECTION, CONNECT	KA	KILAMPERES	TBB	TELECOMMUNICATIONS BACKBOARD
CONTR	CONTRACTOR	KCMIL	THOUSAND CIRCULAR MILS	TBD	TO BE DETERMINED
COORD	COORDINATE	KILO	THOUSAND	TC	TIME CLOCK
CT	CURRENT TRANSFORMER	KV	KILOVOLTS	TEMP	TEMPORARY
CUH	CABINET UNIT HEATER	KVA	KILOVOLT-AMPERES	TERM	TERMINAL, TERMINATE
CW	COOL WHITE	KVAR	KILOVAR	THW	PVC INSULATED WIRE
D	DEEP	KW	KILOWATTS	THWN	PVC & NYLON INSULATED WIRE
D Δ	DELTA CONNECTION	LT(S)	LIGHT(S)	TSS	TWO SPEED STARTER
DB	DECIBEL	LTG	LIGHTING	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
DC	DIRECT CURRENT	MA	MILLIAMPERE	UH	UNIT HEATER
DET	DETECTOR	MAINT	MAINTAINED	UNO, UNO, UNLESS OTHERWISE NOTED	
DIA	DIAMETER	MAN	MANUAL	UPS	UNINTERRUPTIBLE POWER SUPPLY
DISC	DISCONNECT	MAX	MAXIMUM	UTIL	UTILITY
DIST	DISTRIBUTION	MC	METAL CLAD CABLE	UTP	UNSHIELDED TWISTED PAIR
DIV	DIVISION	MCO	MANUALLY OPERATED	V	VOLT(S)
DN	DOWN	MCC	MOTOR CONTROL CENTER	VA	VOLT-AMPERES
DP	DISTRIBUTION PANEL	MCM	THOUSAND CIRCULAR MILS	VAR	REACTIVE VOLT AMPS
DWG	DRAWING	MDP	MAIN DISTRIBUTION PANEL	VAV	VARIABLE AIR VOLUME
EA	EACH	MEGA	MILLION	VFD	VARIABLE FREQUENCY DRIVE
EF	EXHAUST FAN	MFR	MANUFACTURER	W	WIRE
EG	EQUIPMENT GROUND	MGB	MAIN GROUND BUS	W	WATTS
EL	ELEVATION	MH	METAL HALIDE	WI	WITH
ELEC	ELECTRICAL	MIN	MINIMUM	WP	WEATHERPROOF
ELU	EMERGENCY LIGHT UNIT	MLO	MAIN LUGS ONLY	WT	WATERTIGHT
EMER	EMERGENCY	MO	MANUALLY OPERATED	XFMR	TRANSFORMER
EMT	ELECTRICAL METALLIC TUBING	MTD	MOUNTED	XHW	CROSS LINKED POLYETHYLENE INSULATED WIRE
ENCL	ENCLOSURE	MTR	MOTOR CONTROL CENTER	Y	WYE CONNECTION
EO	ELECTRONICALLY OPERATED	MTS	MANUAL TRANSFER SWITCH		
EPO	EMERGENCY POWER OFF	MV	MEDIUM VOLTAGE		
EPR	ETHYLENE PROPYLENE RUBBER INSULATION	MW	MEGA WATTS		
EQ	EQUAL	N	NORTH		
EQUIP	EQUIPMENT	NC	NORMALLY CLOSED		
EQPM	EQUIPMENT	NEG	NATIONAL ELECTRIC CODE		
EUH	ELECTRIC UNIT HEATER	NF	NON-FUSED		
EWC	ELECTRIC WATER COOLER	NIC	NOT IN CONTRACT		
EWX	ELECTRIC WALL HEATER	NL	NIGHT LIGHT		
EX	EXISTING	NO	NORMALLY OPEN		
EXIST	EXISTING	NTS	NOT TO SCALE		
EXR	EXISTING RELOCATED TO LOCATION ON PLAN	OH	OVERHEAD		
		OHD	OVERHEAD DOOR OPERATOR		

GENERAL

DRAWING INDEX

E 000	DRAWING INDEX, GENERAL NOTES, & LEGENDS
E 201	COVERED VEHICLE ADDITION - POWER
E 301	COVERED VEHICLE ADDITION - LIGHTING

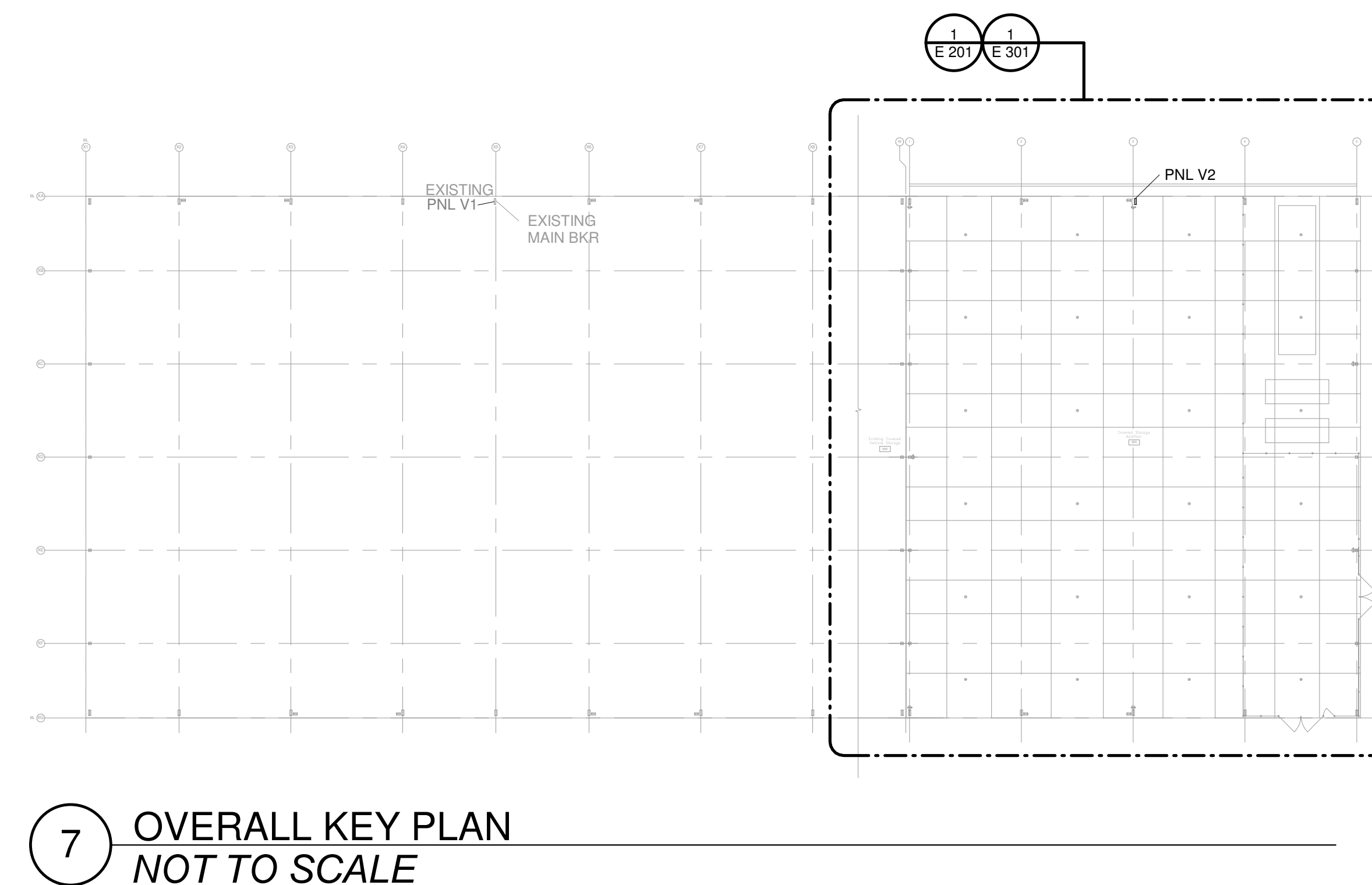
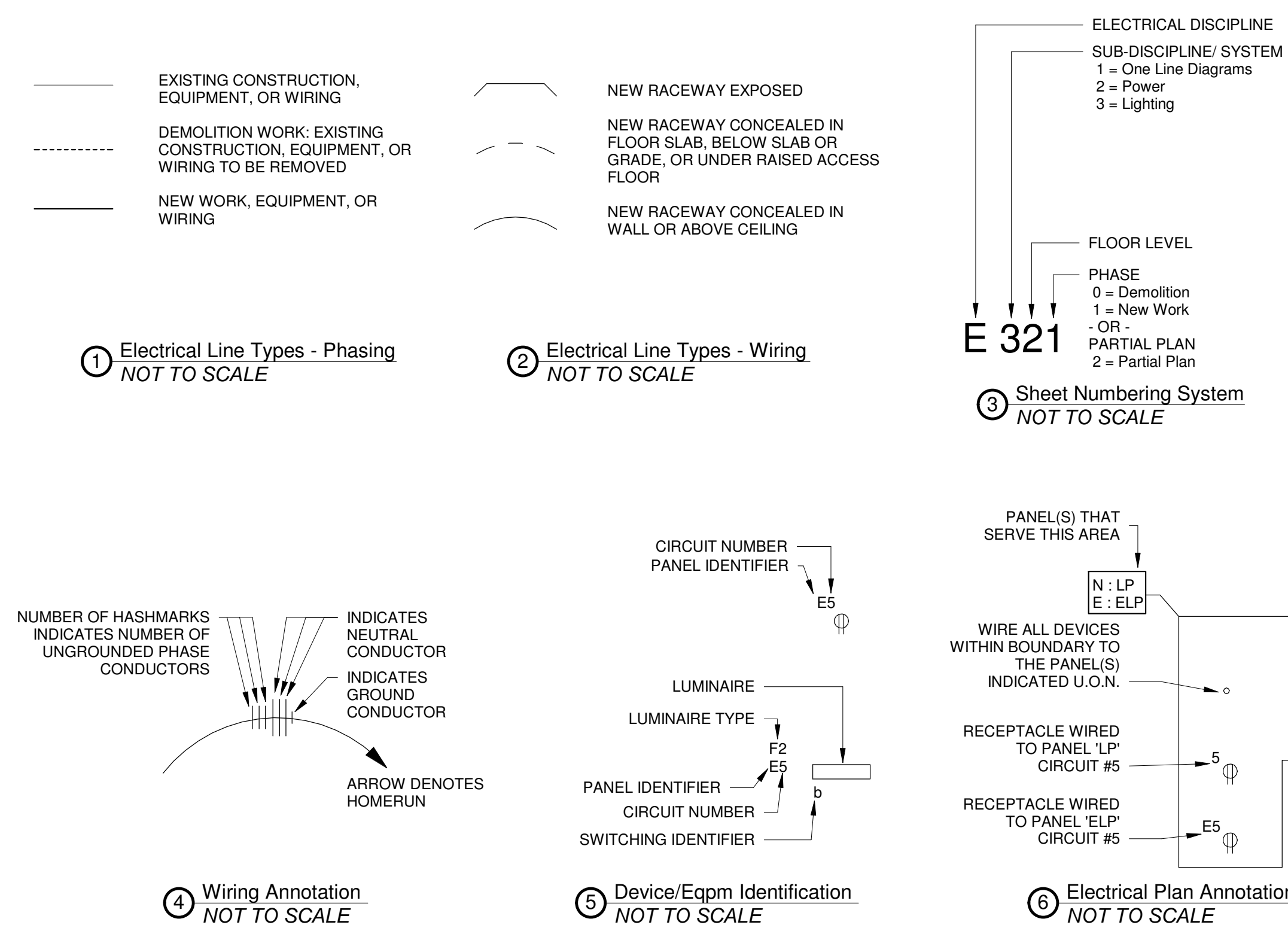
GENERAL ELECTRICAL NOTES

- PRIOR TO BEGINNING WORK, FIELD-VERIFY EXISTING EQUIPMENT CONFIGURATION AND RATINGS, WHERE DISCREPANCIES EXIST, NOTIFY THE OWNER PRIOR TO PROCEEDING WITH THE WORK.
- HOMERUN NUMBERS AND PANELBOARDS INDICATED ARE BASED ON FIELD OBSERVATION OF EXISTING PANELBOARDS AND LIMITED BUILDING DRAWINGS.
- COORDINATE HEIGHT OF ALL DEVICES WITH ARCHITECTURAL DRAWINGS.
- EQUIPMENT SCHEDULED TO REMAIN IN SERVICE SHALL BE PROTECTED DURING CONSTRUCTION.
- PROVIDE REVISED PANELBOARD SCHEDULES FOR ALL PANELBOARDS MODIFIED DURING THE PROJECT.
- MINIMUM CONDUIT SIZE = 3/4"
- SHARING OF NEUTRAL CONDUCTORS IS NOT PERMITTED.
- PROVIDE UNSWITCHED CONDUCTOR FOR INTERIOR EMERGENCY LIGHTS, EMERGENCY LIGHTING UNITS AND EXIT SIGNS.

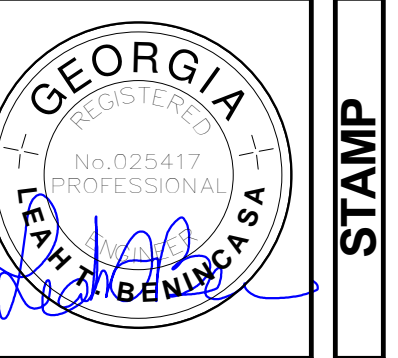
Renovation Load Summary Existing Panelboard V1

	Connected kVA	Demand kVA
Existing Loads	11.34	11.34
Additions	7.63	8.01
Total:	19.0 kVA	19.4 kVA

ELECTRICAL ANNOTATION



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PUBLIC WORKS
SHED EXPANSION
435 WEST PIKE STREET
LAWRENCEVILLE, GA 30046

DRAWING INDEX, GENERAL NOTES, & LEGENDS
DESIGN: LIB
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CHECKED: LIB

NO.	DESCRIPTION	DATE	BY
01	RELEASED FOR PERMIT/OWNER REVIEW	09/23/22	
02	RELEASED FOR PERMIT DRAWING REVISIONS	03/10/23	
03	DRAWING REVISIONS - OWNER REVIEW	03/27/23	
04	RELEASED FOR BID	04-2-23	

DATE: 09/23/2022
DATE: 03/10/23
PROJ. NUMBER: 22312
FILE NAME: 4/11/23
FILE NUMBER: 22312

E 000

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FOR CONSTRUCTION

RELEASE

PROJECT

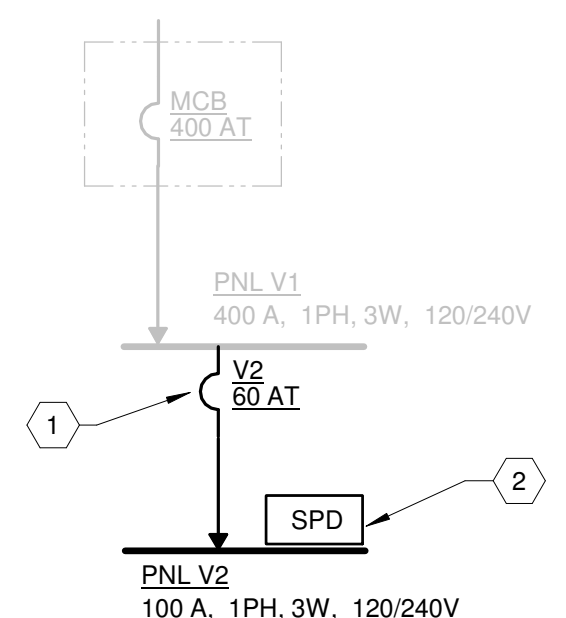
SHEET TITLE

RELEASE

RELEASE

RELEASE

All documents have been reviewed by applicable County Departments and have been found to be in substantial compliance with the applicable codes and regulations.



2 ONE-LINE DIAGRAM - NEW
NOT TO SCALE

ONE-LINE KEYNOTES

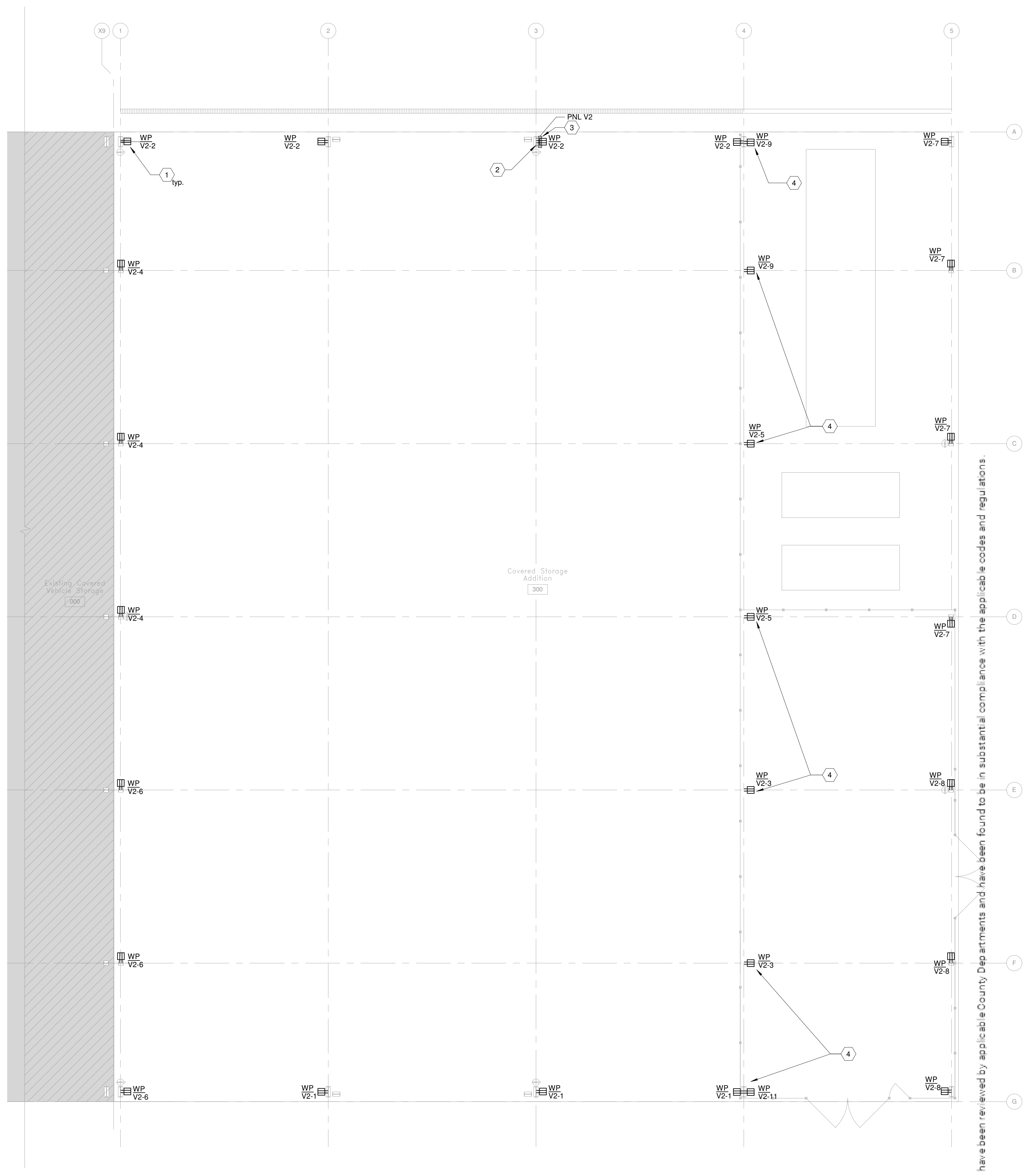
- 1 PROVIDE NEW BREAKER IN EXISTING SPACES IN PANEL V1 FOR NEW PANELBOARD. REFER TO PANEL SCHEDULE, THIS SHEET.
- 2 PANELBOARD SPD SHALL BE 120KA. LOCATION "A" DEVICE, INTERNALLY MOUNTED. LENGTH OF CONDUCTOR SHALL NOT EXCEED 3'-0".

SHEET KEYNOTES

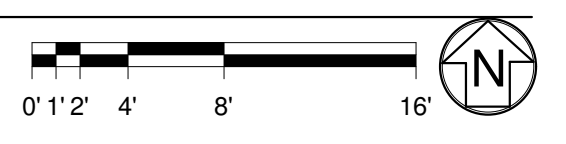
- 1 PROVIDE NEW WEATHERPROOF GFCI RECEPTACLE.
- 2 PROVIDE METAL FRAMING CHANNEL (STRUT) ASSEMBLY CONFIGURED AND ARRANGED TO SUPPORT NEW PANELBOARD AND ASSOCIATED CONDUITS. ALL BOLTED CHANNEL SUPPORT FITTINGS SHALL BE THE STANDARD PRODUCT OF STRUT MANUFACTURER. VERTICAL SUPPORTING CHANNELS SHALL BE CONTINUOUS BETWEEN FLOOR SLAB AND ROOF AND SUITABLY ANCHORED TO STRUCTURE. PROVIDE HORIZONTAL SUPPORTS AS REQUIRED FOR SATISFACTORY LATERAL SUPPORT.
- 3 PROVIDE NEW PANELBOARD V2. REFER TO ONE-LINE DIAGRAM AND SCHEDULE, THIS SHEET. MAINTAIN CODE REQUIRED CLEARANCES ABOUT EQUIPMENT.
- 4 RECEPTACLES FOR POLICE CHARGING STATIONS INSIDE FENCE AREA. STUB UP FROM SLAB AND MOUNT ON POST/UNISTRUT SUPPORT, MINIMUM 18" AFF. COORDINATE WITH ARCHITECTURAL FOR EXACT LOCATIONS AND MOUNTING REQUIREMENTS.

PANELBOARD "V2"													
NEW PANELBOARD													
NOTES				ACCESSORIES				RATING:					
1				1 INTERNAL SPD				100 A - MLO					
2								VOLTAGE: 120/240 1P 3W					
3								SCCR: 22,000A					
4								ENCLOSURE: Type 3R - Surface					
5								LOCATION: V1					
5								FED FROM:					
#	DESCRIPTION	WIRING	NOTE	AMP	P	A	B	P	AMP	NOTE	WIRING	DESCRIPTION	#
1	REC - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1	0.5	0.7	1	20 A		1-#10, 1-#10, 1-#10 IN 0.75°C	REC - CANOPY EXPANSION	2
3	REC - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1			1	20 A		1-#10, 1-#10, 1-#10 IN 0.75°C	REC - CANOPY EXPANSION	4
5	REC - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1	0.7	0.5	1	20 A		1-#10, 1-#10, 1-#10 IN 0.75°C	REC - CANOPY EXPANSION	6
7	REC - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1			1	20 A		1-#10, 1-#10, 1-#10 IN 0.75°C	REC - CANOPY EXPANSION	8
9	REC - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1	0.7	0.0	1	20 A		--	SPARE	10
11	REC - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1			1	20 A		--	SPARE	12
13	LTG - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1	0.4	0.0	1	20 A		--	SPARE	14
15	LTG - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1			1	20 A		--	SPARE	16
17	LTG - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1	0.3	0.0	1	20 A		--	SPARE	18
19	LTG - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1			1	20 A		--	SPARE	20
21	LTG - CANOPY EXPANSION	1-#10, 1-#10, 1-#10 IN 0.75°C		20 A	1	0.3	--	1	--		--	SPARE	22
23	SPARE	--		20 A	1			1	--		--	SPARE	24
				TOTAL (kVA):				4.2 kVA 3.38 kVA					
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	DESIGN LOAD	PANEL TOTALS								
Lighting		1.51 kVA	125.00%	1.89 kVA	TOTAL CONNECTED LOAD: 7.63 kVA								
REC		6.12 kVA	100.00%	6.12 kVA	CONNECTED CURRENT: 32 A								
					TOTAL DEMAND LOAD: 8.01 kVA								
					TOTAL DEMAND CURRENT: 33 A								

PANELBOARD "V1"													
EXISTING PANELBOARD, BRANCH CIRCUITS ARE EXISTING TO REMAIN, UNO.													
NOTES				ACCESSORIES				RATING:					
1 PROVIDE NEW BREAKER IN EXISTING SPACE.				1 INTERNAL SPD				400 A - MLO					
2								VOLTAGE: 120/240 1P 3W					
3								SCCR: 22,000 AIC					
4								ENCLOSURE: Type 3R - Surface					
5								LOCATION: COVERED STORAGE 300					
5								FED FROM:					
#	DESCRIPTION	WIRING	NOTE	AMP	P	A	B	P	AMP	NOTE	WIRING	DESCRIPTION	#
1	CANOPY LTG	--		20 A	2	0.0	0.0	1	20 A		--	EXT SITE LTG - POLE 51-49-47-46	2
3	REC	--		20 A	1	0.0	0.0	1	20 A		--	EXT SITE LTG - POLE 53-54-55-56	4
5	REC	--		20 A	1	0.0	0.0	1	30 A		--	BREAKER ON	6
7	REC	--		20 A	1			1	20 A		--	BREAKER ON	8
9	REC	--		20 A	1	0.0	0.0	1	20 A		--	BREAKER ON	10
11	REC	--		20 A	1	0.0	0.0	1	20 A		--	BREAKER ON	12
13	REC	--		20 A	1	0.0	0.0	1	20 A		--	SPARE	14
15	REC	--		20 A	1			1	--		--	SPACE	16
17	SPARE	--		20 A	1	0.0	--	1	--		--	SPACE	18
19	SPARE	--		20 A	1			1	--		--	SPACE	20
21	SPARE	--		20 A	1	0.0	--	1	--		--	SPACE	22
23	SPARE	--		20 A	1			1	--		--	SPACE	24
25	SPARE	--		20 A	1	0.0	--	1	--		--	SPACE	26
27	SPACE	--		1				1	--		--	SPACE	28
29	SPACE	--		1				1	--		--	SPACE	30
31	SPACE	--		1				1	--		--	SPACE	32
33	SPACE	--		1				1	--		--	SPACE	34
35	SPACE	--		1				1	--		--	SPACE	36
37	SPACE	--		1				1	--		--	SPACE	38
39	PANEL V2	2-#4, 1-#4, 1-#10G IN 1.00°C		60 A	2	3.4	4.2	1	--		--	SPACE	40
41								1	--		--	SPACE	42
				TOTAL (kVA):				3.4 kVA 4.25 kVA					
LOAD CLASSIFICATION		CONNECTED LOAD	DEMAND FACTOR	DESIGN LOAD	PANEL TOTALS								
Lighting		1.51 kVA	125.00%	1.89 kVA	TOTAL CONNECTED LOAD: 7.63 kVA								
REC		6.12 kVA	100.00%	6.12 kVA	CONNECTED CURRENT: 32 A								
					TOTAL DEMAND LOAD: 8.01 kVA								
					TOTAL DEMAND CURRENT: 33 A								



1 COVERED VEHICLE ADDITION - POWER
1/8" = 1'-0"



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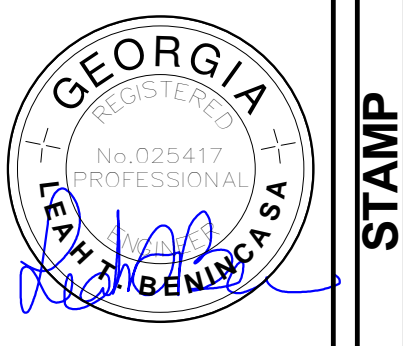
FOR CONSTRUCTION

DATE	09/23/2022	DESCRIPTION	RELEASED FOR PERMIT/OWNER REVIEW
DATE	03/10/23	DESCRIPTION	RELEASED FOR PERMIT DRAWING REVISIONS
DATE	03/27/23	DESCRIPTION	DRAWING REVISIONS - OWNER REVIEW
DATE	04-21-23	DESCRIPTION	RELEASED FOR BID
DATE	4/11/23	DESCRIPTION	
FILE NAME	22312	FILE NUMBER	4/11/23
E 201			

DESIGN	LIB	CHECKED	LIB
DRAWN	VALTB	CHECKED	LIB
SHEET TITLE			
COVERED VEHICLE ADDITION - POWER			

LAWRENCEVILLE PUBLIC WORKS SHED EXPANSION
435 WEST PIKE STREET
LAWRENCEVILLE, GA 30046

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SHEET KEYNOTES

- 1. CONFIRM FIXTURE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	LIGHT SOURCE	COLOR TEMP.	CRI	LUMINOUS FLUX	INPUT POWER	VOLTAGE	DRIVER	MOUNTING	BASIS OF DESIGN	
										MANUFACTURER	SERIES
FP4	ROUND, EXTERIOR CANOPY LUMINAIRE, WET LOCATION, BRONZE FINISH; PROVIDE EACH FIXTURE WITH INTEGRAL PHOTOCELL & OCCUPANCY SENSOR RATED FOR UP TO 40FT MOUNTING HEIGHT - WATTSTOPPER FSP-321 SERIES OR APPROVED EQUAL.	LED	4000K	80	7000 LM	63 VA	120 V	0-10V DIMMING	PENDANT	ELITE LIGHTING	OVR-202-LED

CONTROL INTENT

EQUIPMENT CANOPY:
 LIGHTING SHALL BE CONTROLLED INDIVIDUALLY BY INTEGRATED SENSORS.
CONTROL SEQUENCE OF OPERATION:
 • INTEGRAL PHOTOCELL TO ALLOW LIGHTS TO TURN ON WHEN SUFFICIENTLY DARK OUTSIDE AND KEEP LIGHTS OFF WHEN SUFFICIENTLY LIGHT OUTSIDE.
 • INTEGRAL OCCUPANCY SENSOR TO TURN ON TO 100% WHEN OCCUPANCY IS DETECTED.
 • AFTER OCCUPANCY NOT DETECTED FOR 15 MINUTES, FIXTURE WILL DIM TO 33%.

LIGHTING COMPLIANCE REPORT

COMcheck Software Version 4.1.5.1
 Exterior Lighting Compliance Certificate

Project Information
 Energy Code: 2018 IECC
 Project Title: LPW - SHED EXPANSION
 Project Type: Addition
 Exterior Lighting Zone: 2 (Neighborhood business district)

Construction Site: Lawrenceville, GA 30046
 Owner/Agent: [Signature]
 Designer/Contractor: [Signature]

Area/Surface Category	Quantity	Allowed Watts / Unit	C	D	E	Total Allowed Watts (Σ X C)
Free standing/unattached sales canopy	17068 SQ	60	100%			10241
						10241
						600
						10841

(a) Wattage tradeoffs are only allowed between tractable areas/surfaces.
 (b) A supplemental allowance equal to 600 watts may be applied toward compliance of both non-tractable and tractable areas/surfaces.

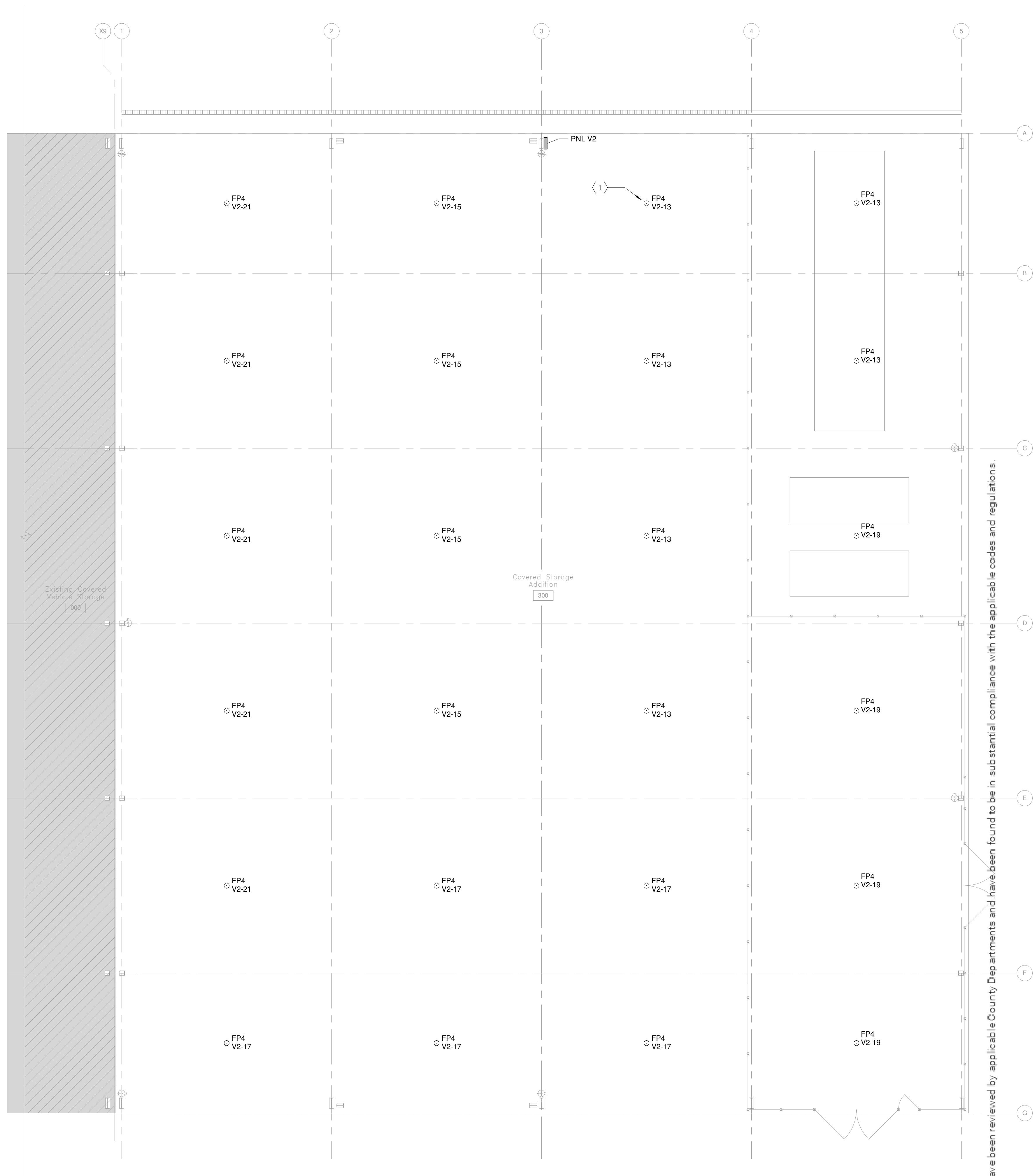
Fixture ID / Description / Lamp / Wattage Per Lamp / Ballast	B	C	D	E	Total
Free standing/unattached sales canopy (17068 SQ) Tractable Wattage	60	100%			10241
FP4 Other	24			60	1512
					11753

Exterior Lighting PASSES. Design 85% better than code.

Exterior Lighting Compliance Statement
 Compliance Statement: The proposed exterior lighting design represented in this document is consistent with the building plans, specifications, and other calculations submitted with this permit application. The proposed exterior lighting systems have been designed to meet the 2018 IECC requirements in COMcheck version 4.1.5.1. The design complies with any applicable mandatory requirements listed in the Inspection Checklist.

Name: [Signature] Date: [Date]

Project Title: LPW - SHED EXPANSION
 Date Generated: 03/27/23 09:22:32 LPW - EG CanopyDesignLightingCOMcheckCOMcheck - LPW - EG CANOPY.cck Page: 1 of 5



1 COVERED VEHICLE ADDITION - LIGHTING
 1/8" = 1'-0"

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 435 WEST PIKE STREET
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COVERED VEHICLE ADDITION - LIGHTING
 DESIGN LIB DRAWN VALTB CHECKED LIB

DATE	NO.	DESCRIPTION
09/23/22		RELEASED FOR PERMIT/OWNER REVIEW
03/10/23		RELEASED FOR PERMIT DRAWING REVISIONS
03/27/23		DRAWING REVISIONS - OWNER REVIEW
04-2-23		RELEASED FOR BID

FOR CONSTRUCTION
 RELEASE
 SHEET TITLE
 09/23/2022
 DATE
 2312
 PROJ NUMBER
 FILE NAME
 4/1/23
 FILE NUMBER
E 301

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