A NEW OFFICE BUILDING FOR

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GEORGIA

INDEX OF DRAWINGS

ARCHITECTURAL

ELLIS, RICKET AND ASSOCIATES, ARCHITECTS
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VALDOSTA, GEORGIA 31602
(229) 242-3556

CIVIL

LEA
3998 INNER PERIMETER ROAD
VALDOSTA, GEORGIA 31604
(229) 253-0900

STRUCTURAL

CREWS ENGINEERING
101-B SOUTH PATTERSON STREET
VALDOSTA, GEORGIA 31601
(229) 244-3100

M.E.P.

NBP ENGINEERS, INC.
316 CORPORATE PARKWAY
MACON, GEORGIA 31210
(478) 745-1691

PLOT DATE: 12–11–2018
PLOT TIME: 10:43 AM
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A2.01

Ellis, Ricket & Associates
era
Architects & Planners
2200 N. PATTERSON STREET
P. O. BOX 3010
VALDOSTA, GEORGIA 31604
TEL. (229) 242–3556
FAX (229) 245–1990

sgrc
SOUTHERN GEORGIA
REGIONAL COMMISSION

STATE OF GEORGIA
STEPHEN J. HART
CERTIFICATE NO RA012350
REGISTERED ARCHITECT

REV:	DATE:	REMARKS:
	10–31–18	DD REVIEW SET
	12–07–18	90% REVIEW SET
	02–04–19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10–02–18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

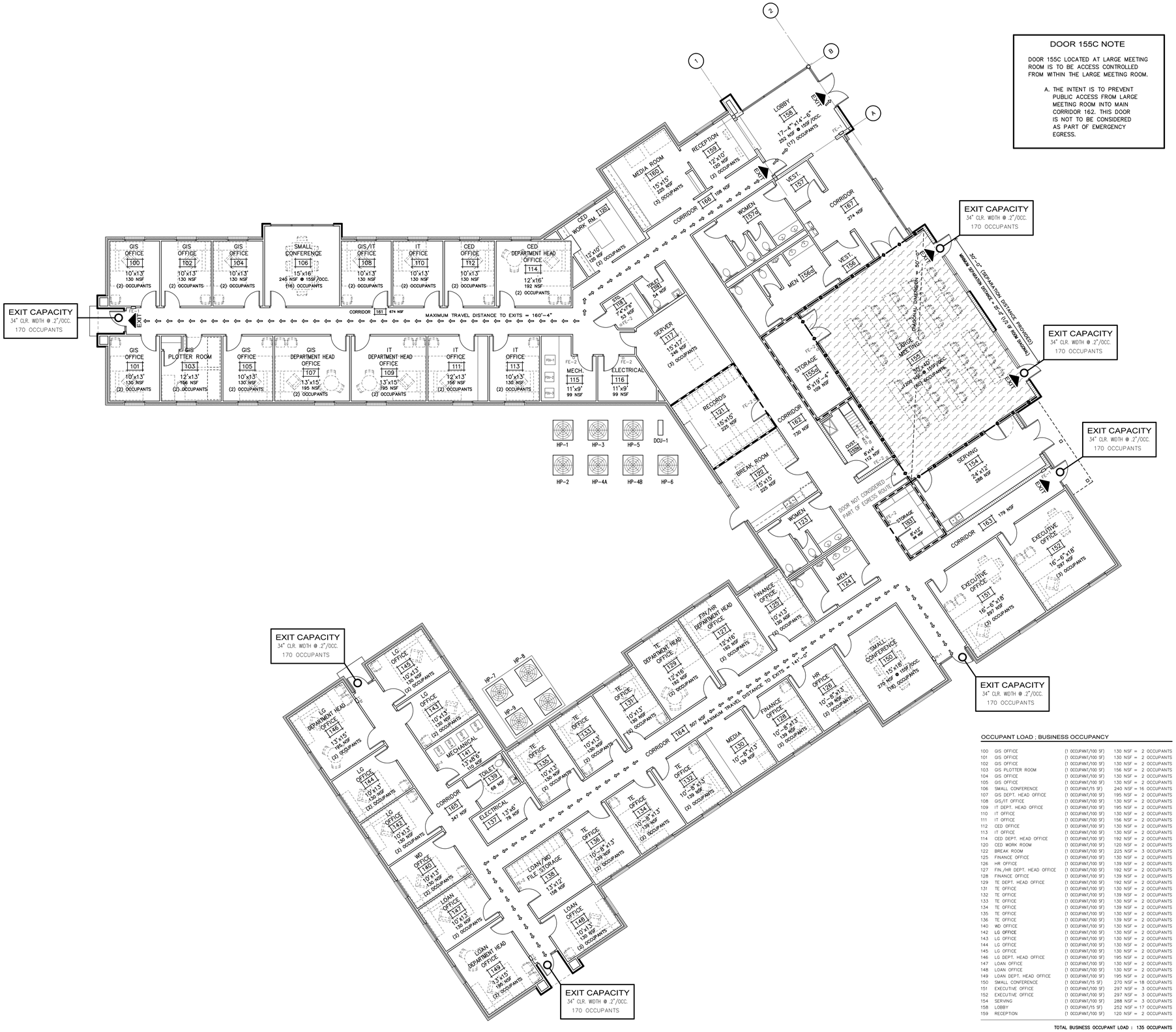
VALDOSTA, GA

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

PROJECT TITLE SHEET

NORTH

X1.01



OCCUPANT LOAD : BUSINESS OCCUPANCY

100	GIS OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
101	GIS OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
102	GIS OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
103	GIS PLOTTER ROOM	(1 OCCUPANT/100 SF)	156 NSF =	2 OCCUPANTS
104	GIS OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
105	GIS OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
106	SMALL CONFERENCE	(1 OCCUPANT/15 SF)	240 NSF =	16 OCCUPANTS
107	GIS DEPT. HEAD OFFICE	(1 OCCUPANT/100 SF)	195 NSF =	2 OCCUPANTS
108	GIS/IT OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
109	IT DEPT. HEAD OFFICE	(1 OCCUPANT/100 SF)	195 NSF =	2 OCCUPANTS
110	IT OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
111	IT OFFICE	(1 OCCUPANT/100 SF)	156 NSF =	2 OCCUPANTS
112	CED OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
113	IT OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
114	CED DEPT. HEAD OFFICE	(1 OCCUPANT/100 SF)	192 NSF =	2 OCCUPANTS
120	CED WORK ROOM	(1 OCCUPANT/100 SF)	120 NSF =	2 OCCUPANTS
122	BREAK ROOM	(1 OCCUPANT/100 SF)	225 NSF =	3 OCCUPANTS
125	FINANCE OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
126	HR OFFICE	(1 OCCUPANT/100 SF)	139 NSF =	2 OCCUPANTS
127	FIN./HR DEPT. HEAD OFFICE	(1 OCCUPANT/100 SF)	192 NSF =	2 OCCUPANTS
128	FINANCE OFFICE	(1 OCCUPANT/100 SF)	139 NSF =	2 OCCUPANTS
129	TE DEPT. HEAD OFFICE	(1 OCCUPANT/100 SF)	192 NSF =	2 OCCUPANTS
131	TE OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
132	TE OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
133	TE OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
134	TE OFFICE	(1 OCCUPANT/100 SF)	139 NSF =	2 OCCUPANTS
135	TE OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
136	TE OFFICE	(1 OCCUPANT/100 SF)	139 NSF =	2 OCCUPANTS
140	WD OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
142	LG OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
143	LG OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
144	LG OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
145	LG OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
146	LG DEPT. HEAD OFFICE	(1 OCCUPANT/100 SF)	195 NSF =	2 OCCUPANTS
147	LOAN OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
148	LOAN OFFICE	(1 OCCUPANT/100 SF)	130 NSF =	2 OCCUPANTS
149	LOAN DEPT. HEAD OFFICE	(1 OCCUPANT/100 SF)	195 NSF =	2 OCCUPANTS
150	SMALL CONFERENCE	(1 OCCUPANT/15 SF)	270 NSF =	18 OCCUPANTS
151	EXECUTIVE OFFICE	(1 OCCUPANT/100 SF)	297 NSF =	3 OCCUPANTS
152	EXECUTIVE OFFICE	(1 OCCUPANT/100 SF)	297 NSF =	3 OCCUPANTS
154	SERVING	(1 OCCUPANT/100 SF)	288 NSF =	3 OCCUPANTS
158	LOBBY	(1 OCCUPANT/15 SF)	252 NSF =	17 OCCUPANTS
159	RECEPTION	(1 OCCUPANT/100 SF)	120 NSF =	2 OCCUPANTS

TOTAL BUSINESS OCCUPANT LOAD : 135 OCCUPANTS

OCCUPANT LOAD : ASSEMBLY OCCUPANCY

155	LARGE MEETING ROOM	(1 OCCUPANT/7 SF)	1200 NSF =	172 OCCUPANTS

TOTAL ASSEMBLY OCCUPANT LOAD : 172 OCCUPANTS

A LS1.01 **LIFE SAFETY FLOOR PLAN**

SCALE : 1/8" = 1'-0" 15,046 GROSS SQUARE FEET

PROJECT DESIGN CRITERIA :

APPLICABLE CODES

2012 LIFE SAFETY CODE (LSC)
2012 INTERNATIONAL BUILDING CODE (IBC)
W/ GEORGIA AMENDMENTS
2012 INTERNATIONAL PLUMBING CODE
W/ GEORGIA AMENDMENTS
2012 INTERNATIONAL MECHANICAL CODE
W/ GEORGIA AMENDMENTS
2012 INTERNATIONAL FIRE CODE
W/ GEORGIA AMENDMENTS
2012 INTERNATIONAL FUEL/GAS CODE
W/ GEORGIA AMENDMENTS
2009 INTERNATIONAL ENERGY CONSERVATION CODE
W/ GEORGIA SUPPLEMENTS AND AMENDMENTS
2011 NATIONAL ELECTRICAL CODE
GEORGIA ANNOTATED CODES 120-3-3 AND 120-3-20

OCCUPANCY CLASSIFICATION

A. MAIN FACILITY :
PER IBC : BUSINESS OCCUPANCY
PER LSC : BUSINESS OCCUPANCY

B. LARGE MEETING ROOM :
PER IBC : ASSEMBLY OCCUPANCY (A-3)
PER LSC : ASSEMBLY OCCUPANCY

CONSTRUCTION TYPE / PROTECTION

A. MAIN FACILITY : (BUSINESS)
PER 2012 IBC – TABLE 503 : II-B (NON-SPRINKLED)
AREA ALLOWED : 23,000 SF
STORIES ALLOWED: 3-STORIES
PER 2012 IBC – TABLE 601 : NO REQUIREMENT
FOR STRUCTURAL ELEMENTS TO HAVE
FIRE RESISTANCE RATING

B. LARGE MEETING RM. : (A-3 ASSEMBLY)
PER 2012 IBC – TABLE 503 : II-B (NON-SPRINKLED)
AREA ALLOWED : 9,500 SF
STORIES ALLOWED: 2-STORIES
PER 2012 IBC – TABLE 601 : NO REQUIREMENT
FOR STRUCTURAL ELEMENTS TO HAVE
FIRE RESISTANCE RATING

DESIGNED BUILDING AREA AND HEIGHTS

TOTAL FACILITY SLAB AREA: 15,046 GSF
OVERALL FIRST FLOOR = 15,046 GSF
MEZZANINE = 193 GSF
15,239 < 23,000 **(COMPLIES)**

A. MAIN FACILITY : (BUSINESS OCCUPANCY)
TOTAL AREA = 9,684 SF **(COMPLIES < 23,000 SF)**
STORIES = 2 STORIES **(COMPLIES < 2 STORIES)**

B. LARGE MEETING : (BASSEMBLY OCCUPANCY)
TOTAL AREA = 1,200 SF **(COMPLIES < 9,500 SF)**
STORIES = 1 STORY **(COMPLIES < 2 STORIES)**

OCCUPANT LOAD

A. MAIN FACILITY : (BUSINESS OCCUPANCY)
12,613 SF @ 1 OCC./100 SF = 126 OCCUPANTS

B. LARGE MEETING ROOM : (A-3 ASSEMBLY OCCUPANCY)
1,200 SF @ 1 OCC./15 SF = 80 OCCUPANTS

TOTAL FACILITY OCCUPANT LOAD: 206 OCCUPANTS

EXIT CAPACITY & TRAVEL DISTANCE

A. REQUIRED TOTAL EXIT CAPACITY : 2012 LSC (TABLE 7.3.3.1)
BUSINESS OCCUPANCY:
126 OCCUPANTS x .2"/OCC. = 25.2" CLR. WIDTH REQ'D.
170" TOTAL PROVIDED > 25.2" REQ'D. **(COMPLIES)**

ASSEMBLY OCCUPANCY:
80 OCCUPANTS x .2"/OCC. = 16" CLR. WIDTH REQ'D.
68" TOTAL PROVIDED > 16" REQ'D. **(COMPLIES)**

B. TRAVEL DISTANCE : 2012 IBC (TABLE 1016.2)
BUSINESS: (LSC 38.2.6.2) = 200' MAX. (NON-SPRINKLED)
ASSEMBLY: (LSC 12.2.6.2) = 200' MAX. (NON-SPRINKLED)

PLUMBING FIXTURE REQUIREMENTS

REFER TO SHEET A5.01 FOR TOILET FIXTURE REQUIREMENTS

PROJECT LIFE SAFETY PLAN LEGEND :

- 1-HR RATED WALL
- 2-HR RATED WALL
- FE-1 — FIRE EXTINGUISHER CABINET (SEMI-RECESSED)
- FE-2 — FIRE EXTINGUISHER ON SURFACE MOUNTED WALL BRACKET
- EGRESS PATH TRAVEL DISTANCE. MAXIMUM LENGTH = 200'
- EXIT — LOCATION OF EXIT
- AREA DESIGNATED AS ASSEMBLY OCCUPANCY (A-3)

NOTE: REFER TO ELECTRICAL, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR ALL HORNS, STROBES, DAMPERS, FIRE SPRINKLER, AND EXIT LIGHTING INFORMATION.

OCCUPANT LOAD = 307

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sgrc
SOUTHERN GEORGIA
REGIONAL COMMISSION

STATE OF GEORGIA
STEPHEN HART
CERTIFICATE NO. RA021855
REGISTERED ARCHITECT

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 5' 10' 15' 20'

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

LIFE SAFETY FLOOR PLAN NORTH

LS1.01

PLOT DATE: 1-15-2019
PLOT TIME: 8:18 AM
PLOTTED BY: C:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\LS1.01 L

NEW OFFICE BUILDING

FOR

SOUTHERN GEORGIA
REGIONAL COMMISSION

LEA PROJECT NUMBER 0826-01
SUBMITTAL DATE: MARCH 22, 2019
VALDOSTA, GEORGIA

CONTACT INFORMATION

CITY OF VALDOSTA
ENGINEERING DEPT. 229-259-3530
UTILITIES DEPT. 229-259-3592
LEA
PROJECT ENGINEER - BENJAMIN O'DOWD, EIT
PROFESSIONAL ENGINEER - CLAYTON MILLIGAN, PE
PRINCIPAL-IN-CHARGE - JEFF LOVELL, PE

24-HOUR CONTACT
CHRIS STROM
327 WEST SAVANNAH AVENUE
VALDOSTA, GA 31601
229-333-5277

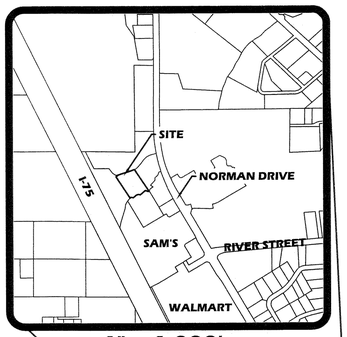
CONTRACTOR SHALL SCHEDULE AN EROSION CONTROL INSPECTION WITH THE DESIGN PROFESSIONAL WITHIN 7 DAYS OF BEGINNING CONSTRUCTION.

NOT FOR CONSTRUCTION UNLESS SIGNED BY CITY ENGINEER OR AUTHORIZED REPRESENTATIVE.

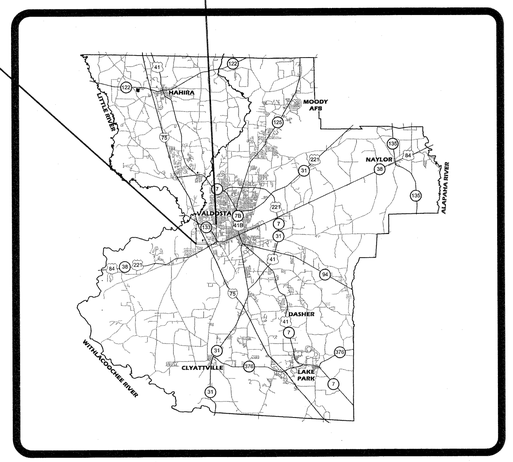
SIGNED _____

DATE _____

DRAWING INDEX



1" = 1,000'



LOCATION MAP
N.T.S.

LEGEND

	EXISTING	PROPOSED
GAS LINE	GAS	GAS
WATER LINE	W	W
SEWER LINE	SS	SS
FORCE MAIN	FM	FM
OVERHEAD POWER		
UNDERGROUND POWER	UGP	UGP
UNDERGROUND CABLE	UGC	UGC
CONTOUR	100	100
RIGHT-OF-WAY LINE	R/W	R/W
STORM PIPE		
PROPERTY LINE		
EASEMENT		
FENCE	X X	
SPOT ELEV.		
FLOW ARROW		
FIRE HYDRANT		
WATER VALVE		
WATER FIRE DEPARTMENT		
WATER METER		
WATER SERVICE		
CLEANOUT		
SEWER MANHOLE		
STORM CATCHBASIN		
STORM GRATE INLET		
STORM HEADWALL		
FLARED END SECTION		
UTILITY POLE		
GAS VALVE		
MAILBOX		

LEA
CIVIL ▪ AGRICULTURAL ▪ ENVIRONMENTAL

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Fax: 229-253-1842
E-mail: lea@lea-pc.com

NEW OFFICE BUILDING

SOUTHERN GEORGIA
REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

811
Know what's **below.**
Call before you dig.

IF YOU DIG GEORGIA... CALL US FIRST!
UTILITIES PROTECTION CENTER
IT'S THE LAW
www.gaupc.com

SCALE:	N.T.S.
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

COVER

C-1

1 OF 15 SHEETS

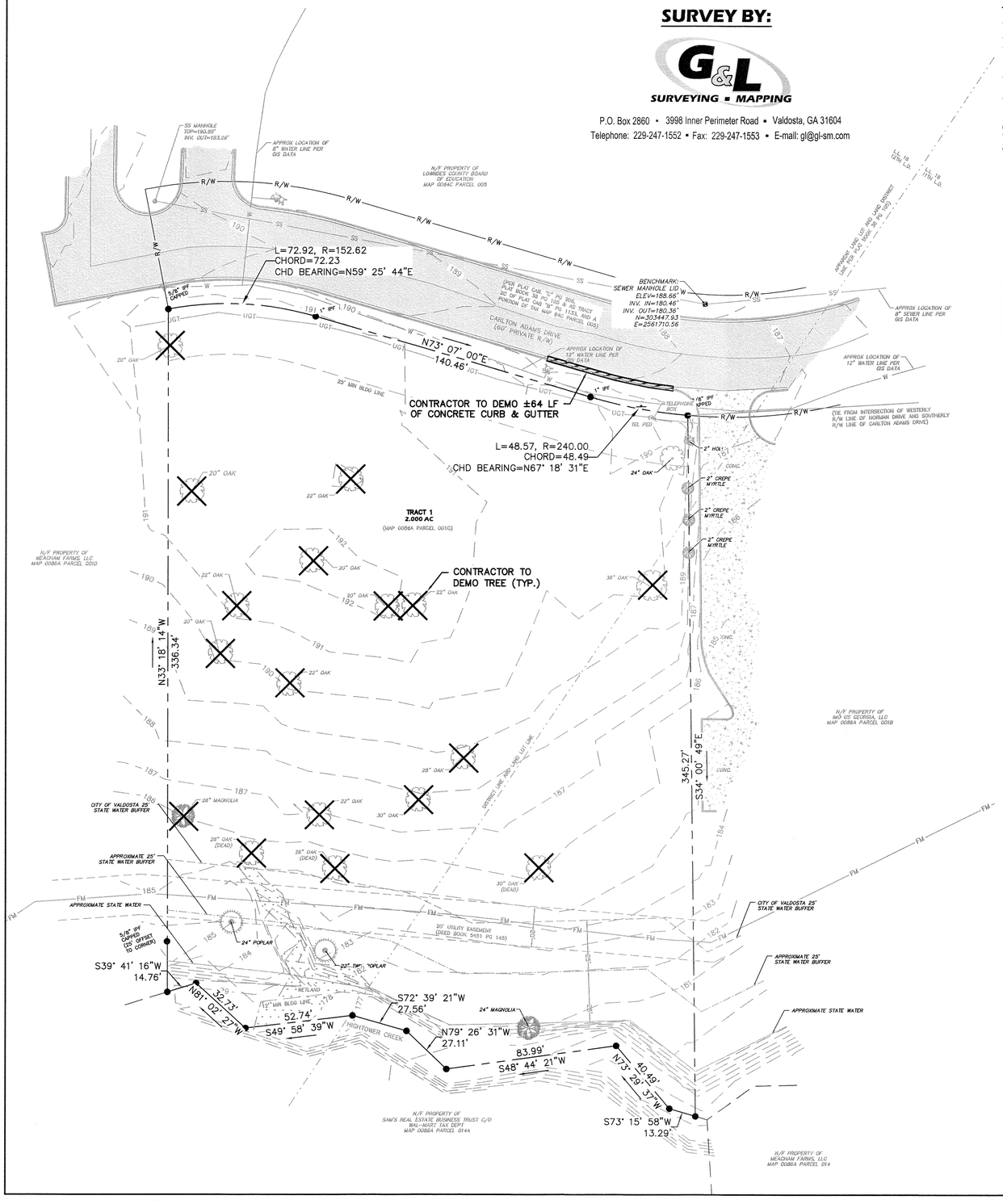
S:\0826-01 (GSRC, New Office Building)\GSRC.dwg 3/22/2019 4:25 PM

SURVEY BY:

G&L SURVEYING ▪ MAPPING

P.O. Box 2860 ▪ 3998 Inner Perimeter Road ▪ Valdosta, GA 31604

Telephone: 229-247-1552 ▪ Fax: 229-247-1553 ▪ E-mail: gl@gl-sm.com



DEMOLITION NOTES:

1. ALL STRUCTURES, FENCES, CONCRETE, ASPHALT, AND UTILITIES NOT DESIGNATED TO BE SAVED WITHIN THE CLEARING LIMITS ARE TO BE REMOVED.
2. CONTRACTOR TO FILL ALL HOLES CREATED BY THE REMOVAL OF STRUCTURES, FENCES, AND TREES AND RETURN THOSE AREAS TO NATURAL GRADE.
3. THE CONTRACTOR SHALL COMPLY WITH APPLICABLE CODES, ORDINANCES, RULES, REGULATIONS AND LAWS OF LOCAL, MUNICIPAL, STATE OR FEDERAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT. ALL REQUIRED PERMITS OF A TEMPORARY NATURE SHALL BE OBTAINED FOR CONSTRUCTION OPERATIONS BY THE CONTRACTOR.
4. GRUBBING SHALL CONSIST OF COMPLETELY REMOVING ROOTS, STUMPS, TRASH AND OTHER DEBRIS FROM ALL GRADED AREAS SO THAT TOPSOIL IS FREE OF ROOTS AND DEBRIS. TOPSOIL IS TO BE LEFT SUFFICIENTLY CLEAN SO THAT FURTHER PICKING AND RAKING WILL NOT BE REQUIRED.
5. ALL STUMPS, ROOTS, FOUNDATIONS AND PLANKING EMBEDDED IN THE GROUND SHALL BE REMOVED AND DISPOSED OF. PILING AND BUTTS OF UTILITY POLES SHALL BE REMOVED TO A MINIMUM DEPTH OF TWO FEET BELOW THE LIMITS OF EXCAVATION FOR STRUCTURES, TRENCHES AND ROADWAYS OR TWO FEET BELOW FINISH GRADE, WHICHEVER IS LOWER.
6. SURFACE ROCKS AND BOULDERS SHALL BE GRUBBED FROM THE SOIL AND REMOVED FROM THE SITE IF NOT SUITABLE AS RIP RAP.
7. ANY WORK PERTAINING TO UTILITY POLES SHALL COMPLY WITH THE REQUIREMENTS OF THE APPROPRIATE UTILITY.
8. THE DEBRIS RESULTING FROM THE CLEARING AND GRUBBING OPERATION SHALL BE HAULED TO A DISPOSAL SITE SECURED BY THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL REQUIREMENTS OF FEDERAL, STATE, COUNTY AND MUNICIPAL REGULATIONS. NO DEBRIS OF ANY KIND SHALL BE DEPOSITED IN ANY STREAM OR BODY OF WATER, OR IN ANY STREET OR ALLEY. NO DEBRIS SHALL BE DEPOSITED UPON ANY PRIVATE PROPERTY EXCEPT WITH WRITTEN CONSENT OF THE PROPERTY OWNER. A COPY OF WRITTEN CONSENT SHALL BE PROVIDED TO THE OWNER FOR PERMANENT RECORDS. IN NO CASE SHALL ANY MATERIAL OR DEBRIS BE LEFT ON THE PROJECT, SHOVED ONTO ABUTTING PRIVATE PROPERTIES OR BURIED ON THE PROJECT.

FLOOD CERTIFICATION

THIS PROPERTY IS LOCATED IN ZONE "X", ACCORDING TO THE FEDERAL EMERGENCY MANAGEMENT AGENCY'S FLOOD INSURANCE RATE MAPS COMMUNITY–PANEL NUMBER 13185C0205E EFFECTIVE DATE 09–26–2008

ADDITIONAL NOTE:

THERE ARE STATE WATERS LOCATED WITHIN 200 FT OF THE SITE.

LEA CIVIL ▪ AGRICULTURAL ▪ ENVIRONMENTAL

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FL CORP# F04000002135
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NEW OFFICE BUILDING

sgrc SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16 OF THE 11TH & 12TH LAND DISTRICT CITY OF VALDOSTA STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE

0 15 30 60

(IN FEET)
1 INCH = 30 FEET

NORTH

SCALE:	1"=30'
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34167 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

EXISTING SITE SURVEY & DEMO PLAN

C-2

2 OF 15 SHEETS

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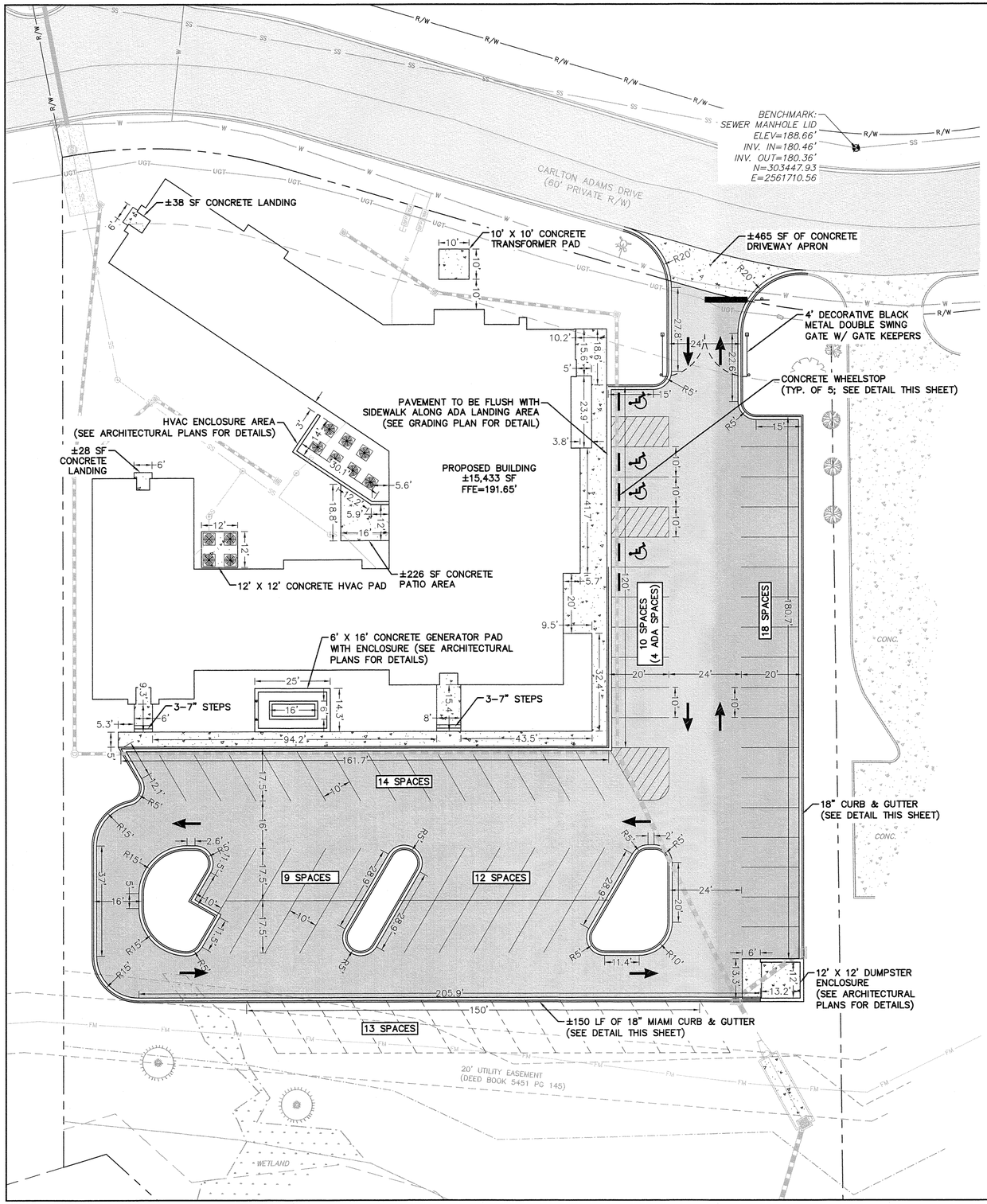


GENERAL CONSTRUCTION NOTES:

1. ALL WORK SHALL BE IN ACCORDANCE WITH CITY OF VALDOSTA LAND DEVELOPMENT REGULATIONS.
2. AN AS-BUILT SURVEY IS REQUIRED PER CITY OF VALDOSTA REQUIREMENTS.
3. WHILE WORKING WITHIN CITY OF VALDOSTA RIGHT OF WAY, EASEMENTS, OR ANY OTHER AREA WITHIN THE CONSTRUCTION LIMITS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEARING & GRUBBING AND THE REMOVAL OF ALL DEBRIS.
4. CONTRACTOR SHALL HAVE ALL EROSION CONTROL MEASURES IN PLACE PRIOR TO CONSTRUCTION.
5. CONTRACTOR TO NOTIFY UTILITY PROTECTION CENTER A MINIMUM OF 72 HOURS PRIOR TO CONSTRUCTION.
6. CONTRACTOR TO VERIFY ALL HORIZONTAL & VERTICAL LOCATIONS OF ALL EXISTING AND PROPOSED STRUCTURES PRIOR TO CONSTRUCTION.
7. CONTRACTOR TO NOTIFY ENGINEER OF ANY CONFLICTS IN THE PLANS PRIOR TO AND DURING CONSTRUCTION. FAILURE TO NOTIFY ENGINEER WILL RESULT IN CONTRACTOR RESPONSIBILITY TO REPAIR AT OWN EXPENSE.
8. CONTRACTOR RESPONSIBLE FOR ALL DAMAGED UTILITIES DURING CONSTRUCTION.
9. PEDESTRIAN AND LOCAL TRAFFIC SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION. SAFETY DEVICES AND FLAGGERS WILL BE PROVIDED AT CONTRACTOR EXPENSE.
10. CONTRACTOR SHALL NOTIFY CITY OF VALDOSTA ENGINEERING DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO THE BEGINNING OF EACH PHASE OF CONSTRUCTION.
11. CONTRACTOR SHALL NOTIFY CITY OF VALDOSTA UTILITY DEPARTMENT A MINIMUM OF 24 HOURS PRIOR TO ANY CONNECTIONS TO THE CITY UTILITY SYSTEM.
12. CONTRACTOR TO PROVIDE ALL CONSTRUCTION STAKING.
13. A MINIMUM OF 18" OF VERTICAL AND 10' HORIZONTAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL UTILITIES.
14. ALL EXTENSIONS AND ADDITIONS TO THE CITY OF VALDOSTA UTILITY SYSTEM WILL BE PERFORMED BY A GEORGIA LICENSED UTILITY CONTRACTOR.
15. ANY CROSS CONNECTION TO THE CITY OF VALDOSTA WATER SYSTEM IS PROHIBITED.

SITE INFORMATION:

MUNICIPALITY: CITY OF VALDOSTA
A PORTION OF MAP 0086A – PARCEL 001
LAND DISTRICT 11 & 12 – LAND LOT 16
TOTAL ACREAGE: 2.00 ACRES
CURRENT ZONING: C-H
SETBACKS:
FRONT: 25' FROM R/W
REAR: 12'
SIDE: 0'
UTILITIES: CITY OF VALDOSTA WATER AND SEWER
UPC DESIGN LOCATE #:07198-301-396-000

PARKING CALCULATIONS:

PROFESSIONAL REQUIRES 3 SPACES/ 1,000 SF GFA

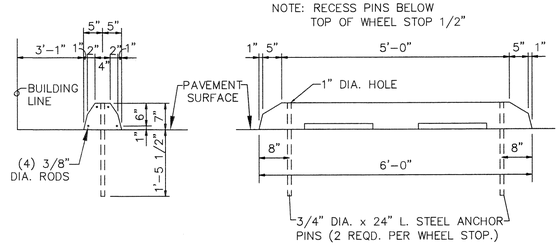
15,433 SF * (3 SPACES/1,000 SF) = 47 SPACES

PARKING SPACES REQUIRED = 47
PARKING SPACES PROVIDED = 63 (INCL. HC)
OVERFLOW GRASSED SPACES = 13
HANDICAP REQUIRED = 4
HANDICAP PROVIDED = 4

IMPERVIOUS AREA:

PROPOSED BUILDING: ±15,433 SF
PARKING: ±29,500 SF

TOTAL: ±44,933 SF (1.03 ACRES)



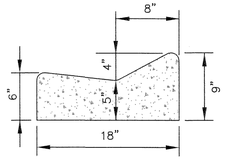
SECTION

NOTE: RECESS PINS BELOW TOP OF WHEEL STOP 1/2"

ELEVATION

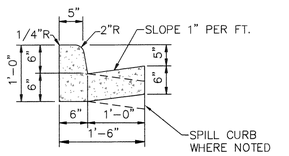
CONCRETE WHEEL STOP DETAILS

N.T.S.



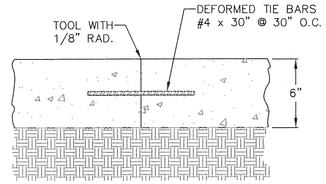
18" MIAMI CURB & GUTTER

N.T.S.



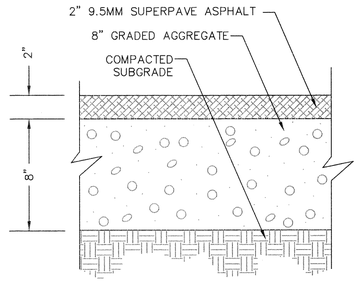
18" CURB & GUTTER

N.T.S.



CONCRETE PAVING DETAIL

N.T.S.



TYPICAL PAVING SECTION

N.T.S.

CONCRETE PAVING
1. ALL CONCRETE USED IN PARKING LOT, UNLESS OTHERWISE INDICATED, SHALL HAVE A COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS.
2. PREPARE THE SUBGRADE IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEEER'S RECOMMENDATIONS FOR RIGID PAVEMENTS. SUBGRADE SOIL DENSITY TESTING MUST BE COMPLETED AND VERIFIED BY THE GEOTECHNICAL ENGINEER PRIOR TO CONCRETE PLACEMENT.
3. IMPORTED SOIL USE FOR BACKFILL SHOULD BE FREE OF HEAVY CLAY, SILTS, STONES, PLANT ROOT OR OTHER FOREIGN MATERIAL GREATER THAN 1 ½" IN DIAMETER IN ORDER TO ACHIEVE ADEQUATE COMPACTION AROUND ANY FIXED OBJECT IN GROUND. ALTERNATE WILL BE TO USE FLOWABLE FILL.
4. LAYOUT CONTROL JOINT BY STARTING AT THE EDGE OF BUILDING AND WORK TOWARD EDGE OF PAVEMENT.
5. KEEP ALL JOINTS CONTINUOUS.
6. CONTROL JOINTS SHALL BE FORMED OR SAWED WITHIN 12 HOURS FROM TIME OF PLACEMENT; PAVEMENT– MAXIMUM SPACING SHALL BE 2.5 TIMES THICKNESS IN UNIT OF FEET AND LESS THAN 15 FEET IN LENGTH (E.G. T=4 INCH SPACING AT 10'x10').
7. CURE CONCRETE IMMEDIATELY AFTER FINISHING OPERATION IS COMPLETED BY USING ONE OF THE FOLLOWING METHODS: WATER, PIGMENTED WATER-BASED CURING COMPOUND OR VISQUEEN AND BURLAP.

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Fax: 229-253-1842
E-mail: lea@lea-pc.com

NEW OFFICE BUILDING

SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16 OF THE 11TH & 12TH LAND DISTRICT CITY OF VALDOSTA STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 INCH = 20 FEET

SCALE:	1"=20'
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

SITE PLAN

C-3

3 OF 15 SHEETS

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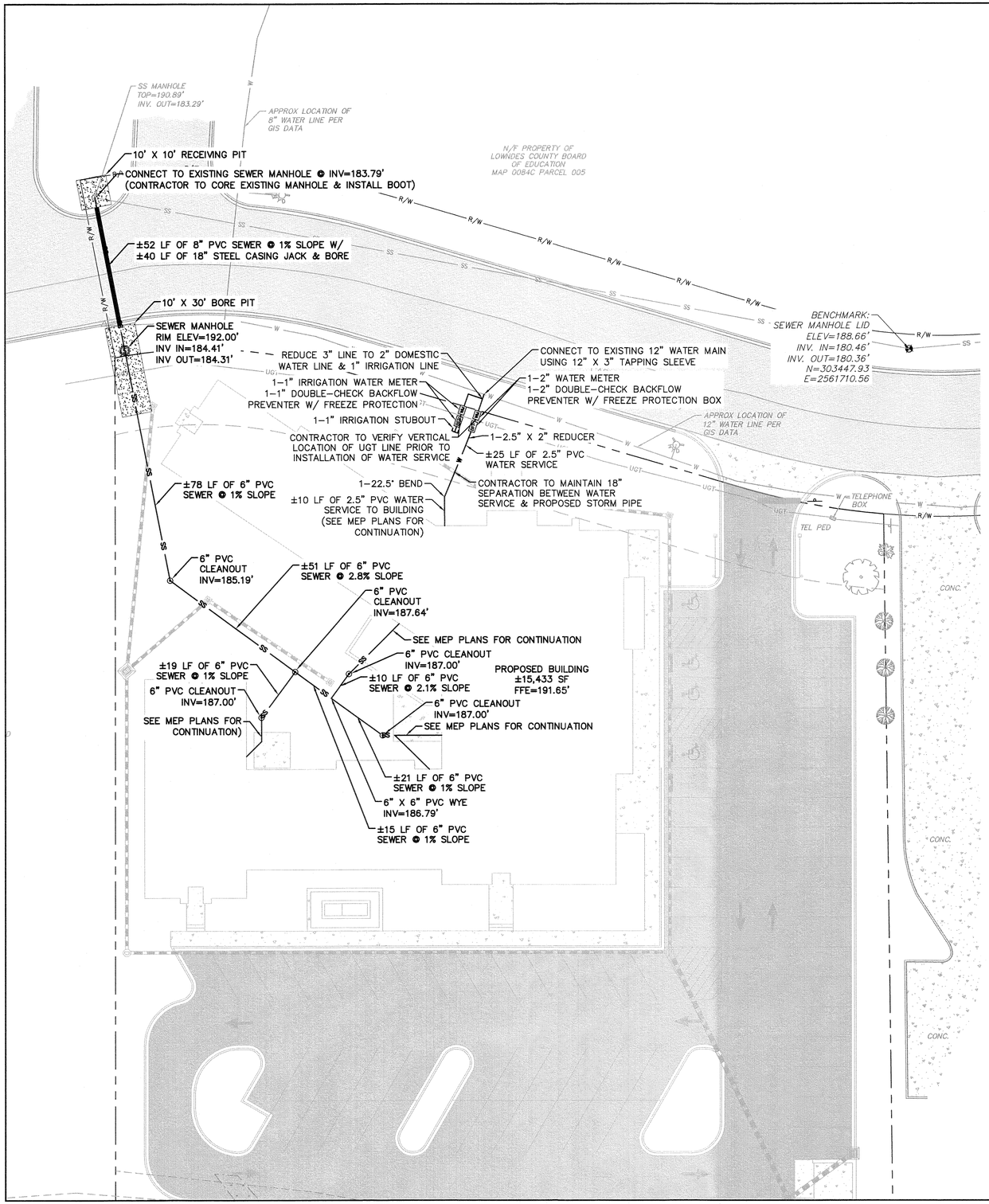

UTILITY CONSTRUCTION NOTES:

1. AS-BUILTS ARE REQUIRED PER CITY OF VALDOSTA REQUIREMENTS.
2. ALL PVC WATER MAINS SHALL MEET THE LATEST REQUIREMENTS OF AWWA C900 (160 PSI SDR 26). ALL FITTINGS SHALL MEET THE REQUIREMENTS OF AWWA C110 OR AWWA C153 WITH A MINIMUM WORKING PRESSURE OF 250 PSI.
3. CONTRACTOR SHALL VERIFY VERTICAL LOCATION PRIOR TO INSTALLATION TO ENSURE NO CONFLICTS WILL OCCUR BETWEEN SANITARY AND STORM SEWER MAINS.
4. CONTRACTOR SHALL PRESSURE TEST AND CHLORINATE THE WATER MAIN USING THE MINIMUM GUIDELINES PROVIDED BY THE LOCAL MUNICIPALITY GOVERNING THIS PROJECT.
5. **ALL TEES AND BENDS SHALL BE DUCTILE IRON.**
6. ALL GRAVITY SEWER MAINS SHALL BE SDR 35 AND FORCE MAINS SHALL BE AWWA C900.
7. ALL CLEANOUTS LOCATED NEAR BUILDINGS SHALL HAVE THEIR RIMS SET AT GROUND ELEVATION WITH A MINIMUM DEPTH TO INVERT OF 4'. PIPE SLOPES TO SEWER MAINS SHALL BE A MINIMUM OF 0.65%. WYE'S SHALL BE USED TO CONNECT SERVICE LINES TO THE MAIN AT SPECIFIED LOCATIONS.
8. ALL ELECTRICAL AND TELEPHONE LINES TO BE SIZED PER ELECTRIC COMPANY AND TELEPHONE COMPANY STANDARDS TO ENSURE PROPER INSTALLATION.
9. CONTRACTOR TO VERIFY ALL EXISTING STORM STRUCTURE FLOW DIRECTIONS, HORIZONTAL AND VERTICAL LOCATIONS PRIOR TO BEGINNING CONSTRUCTION.
10. CONTRACTOR TO NOTIFY ENGINEER WHEN CONFLICTS OCCUR.
11. CONTRACTOR SHALL INSTALL ALL STORM SEWER PIPE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
12. 485.2.5.14 ALL NEW BACKFLOW PREVENTORS ARE TO BE INSTALLED "BY CONTRACTOR" ABOVE GROUND.
13. 485.2.5.42 ALL BACKFLOW PREVENTORS, REGARDLESS OF THE LOCATION RELATIVE TO THE METER, SHALL BE PRIVATELY OWNED AND MAINTAINED.
14. 485.2.5.46 ALL NEW BACKFLOW PREVENTION DEVICES SHALL BE TESTED BY CERTIFIED TESTERS AND COPIES OF SUCH TESTS SHALL BE PROVIDED TO THE CITY PRIOR TO ISSUANCE OF A CERTIFICATE OF OCCUPANCY.
15. 485.2.5.2 ALL WATER AND SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE VOLUME I, CITY OF VALDOSTA STANDARD SPECIFICATIONS FOR WATER AND SANITARY SEWER CONSTRUCTION.
16. 485.2.5.7 WATER CLEARANCE FROM THE CITY OF VALDOSTA MUST BE OBTAINED BEFORE PLACING THE WATER SYSTEM IN OPERATION AND ISSUANCE OF PARTIAL OR FINAL CERTIFICATE OF OCCUPANCY (CO).
17. UTILITY FEATURES ARE TO REMAIN PRIVATE AND BE MAINTAINED BY PROPERTY OWNER.

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NEW OFFICE BUILDING

SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE
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(IN FEET)
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GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

UTILITY PLAN

C-4

4 OF 15 SHEETS

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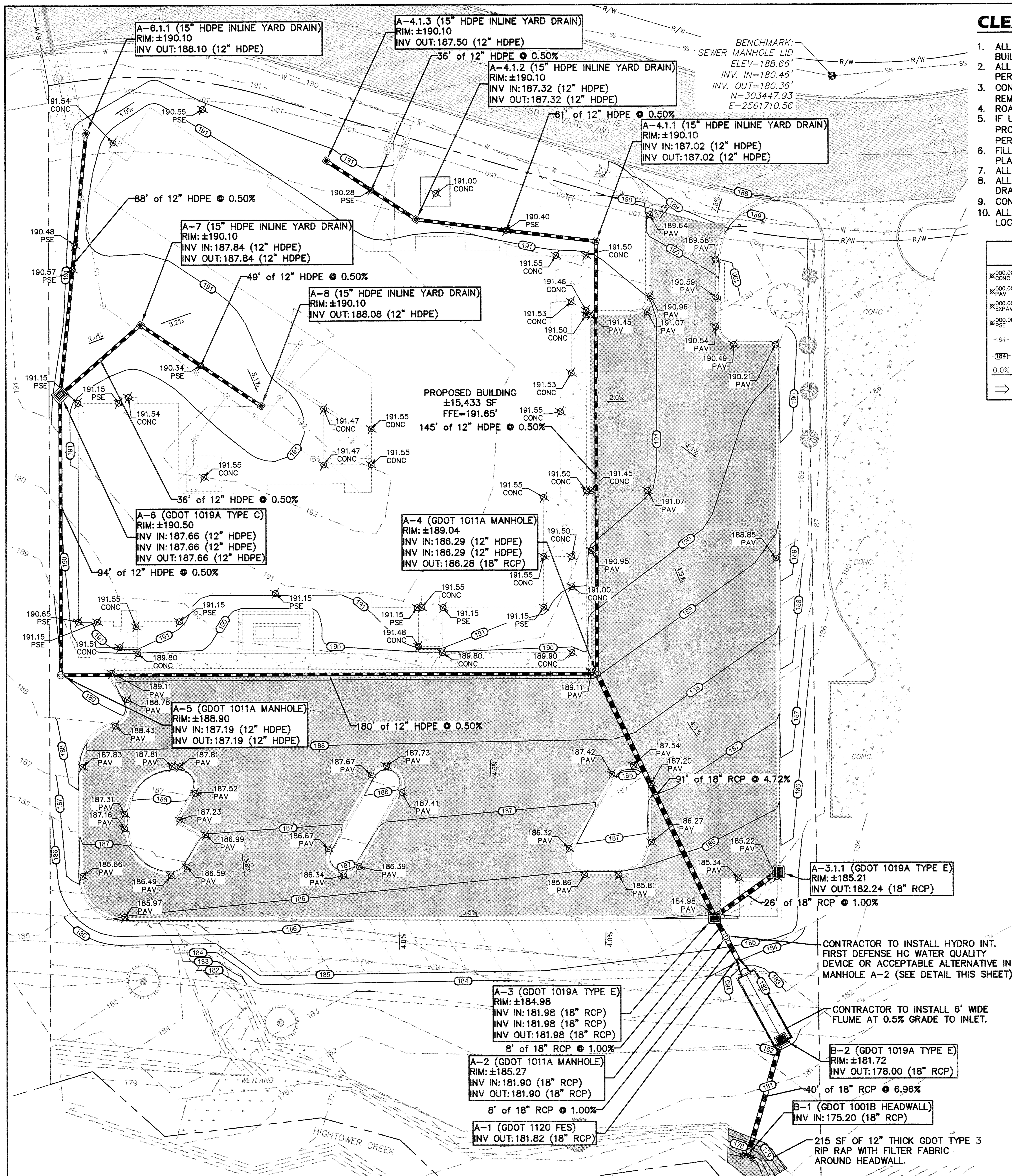


CLEARING AND GRADING NOTES:

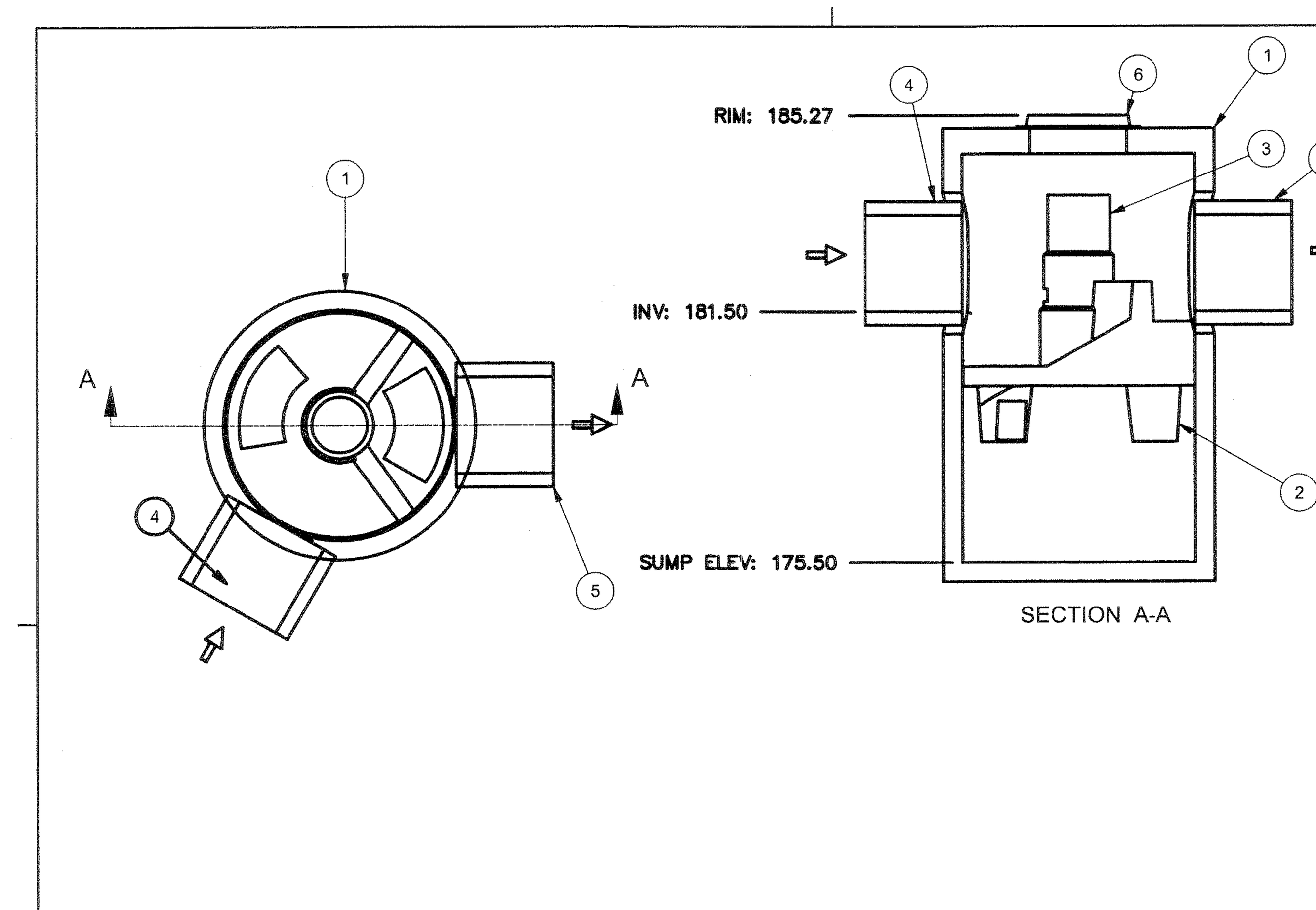
1. ALL GROWTH OF TREES, OTHER VEGETATION AND OBJECTIONABLE DEBRIS SHALL BE CLEARED AND GRUBBED FROM THE PROPOSED PAVED AREAS, BUILDING AREAS, LOCATION OF PROPOSED UTILITIES, AS WELL AS AREAS INDICATED TO BE GRADED ON THE PLANS.
2. ALL TREES, BRANCHES, VEGETATION AND DEBRIS SHALL BE DISPOSED OF IN A LEGAL MANNER ACCEPTABLE TO THE OWNER AND ENGINEER. BURNING PERMIT WILL BE OBTAINED BY THE CONTRACTOR AT OWN EXPENSE.
3. CONTRACTOR SHALL REMOVE TOPSOIL TO ITS ENTIRE DEPTH FROM ALL AREAS TO BE GRADED AND/OR FILLED. CONTRACTOR SHALL STOCKPILE OR REMOVE THE TOPSOIL FROM THE SITE AT OWNER'S DIRECTION.
4. ROADWAYS, EASEMENTS, AND SPECIAL FILL AREAS TO BE GRADED AND COMPACTED TO THE FINISHED SUBGRADE OR GRADES AS SHOWN ON THE PLANS.
5. IF UNSUITABLE MATERIAL IS ENCOUNTERED WITHIN THE ROADWAY, PARKING AREA OR ANY SPECIAL FILL AREA, IT SHALL BE REMOVED FROM THE ENTIRE PROPOSED PAVED AREA OR FILL AREA AND REPLACED WITH SELECT BACKFILL WHICH IS SUITABLE FOR ROADWAY (OR BUILDING SITE) CONSTRUCTION AS PER 'GDOT' REQUIREMENTS AND ANY SPECIAL REQUIREMENTS OF THE CITY, OWNER, ENGINEER, AND ANY AFFECTED GOVERNMENTAL AGENCIES.
6. FILL AND BACKFILL MATERIAL SHALL BE COMPACTED TO 98% STD. PROCTOR DENSITY AT OPTIMUM MOISTURE ±2% UNLESS SPECIFIED OTHERWISE ON THE PLAN.
7. ALL GRADING OPERATIONS SHALL BE DONE IN SUCH A MANNER SO AS TO PROVIDE POSITIVE DRAINAGE AT ALL TIMES.
8. ALL GRADES SHOWN ON PLANS ARE FINAL GRADE. GRADING CONTRACTOR SHALL COORDINATE WITH LANDSCAPE CONTRACTOR TO ENSURE POSITIVE DRAINAGE THROUGHOUT SITE.
9. CONTRACTOR SHALL INSTALL ALL STORM SEWER PIPE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
10. ALL UNSUITABLE MATERIALS EXCAVATED/DISCOVERED AS A RESULT OF UTILITY INSTALLATION, STORM PIPE INSTALLATION, AND GRADING THAT ARE LOCATED INSIDE THE RIGHT-OF-WAY SHALL BE REMOVED AND GDOT APPROVED STRUCTURAL FILL USED TO BACKFILL.

LEGEND

Symbol	Description
000.00 CONC	CONCRETE OR CURB ELEVATION
000.00 PAV	PAVEMENT ELEVATION
000.00 EXPAV	EXISTING PAVEMENT ELEVATION
000.00 PSE	PROPOSED SPOT ELEVATION
184	EXISTING CONTOUR
(184)	PROPOSED CONTOUR
0.0%	PERCENT SLOPE
⇨	FLOW DIRECTION ARROW

WATER QUALITY DEVICE NOTE:

- IF ANOTHER WATER QUALITY UNIT IS CHOSEN AS AN ALTERNATIVE TO THE WATER QUALITY UNIT SPECIFIED ON APPROVED PLAN, FULL DESIGN AND PERFORMANCE SPECIFICATIONS WILL BE REQUIRED WITH THE PROJECT DESIGNER'S CERTIFICATION OF COMPLIANCE. APPROVAL LETTER WILL BE REQUIRED PRIOR TO INSTALLATION.



Notes
1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.
2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING FIRST DEFENSE MANHOLE.
3. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

Date 12-14-18 | Scale 1/4" = 1'0"
Drawn MHM | Checked | Approved

Title
6-FT DIAMETER FIRST DEFENSE HC
STR A-2
SGRC-NEW BLDG
VALDOSTA, GA

Hydro International
Stormwater Solutions
94 Hutchins Drive
Portland, Maine 04102
Tel: (207) 756-6200
Fax: (207) 756-6212
stormwaterinquiry@hydro-int.com

Parts List

ITEM	SIZE (in)	DESCRIPTION
1	72	I.D. PRECAST MANHOLE
2		LEDGER SUPPORT
3		SEPARATION MODULE
4	18"	INLET PIPE (RCP)
5	18"	OUTLET PIPE (RCP)
6		GDOT 1011A MANHOLE LID

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CAD Ref: F 6HC-MAX
Project No. 0826-01
Drawing No. F 6HCS1 Rev.

WATER QUALITY DEVICE DETAIL

N.T.S.

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NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS

DATE	DESCRIPTION

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 INCH = 20 FEET

SCALE:	1"=20'
DESIGNED BY:	BTO
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SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED PROFESSIONAL ENGINEER No. 34168 MICHAEL CLAYTON MILLICAN 3/22/19

GSWCC LEVEL II CERT. #49262

GRADING & DRAINAGE PLAN

C-5

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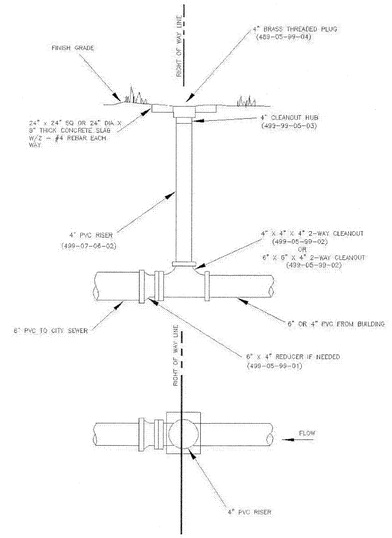
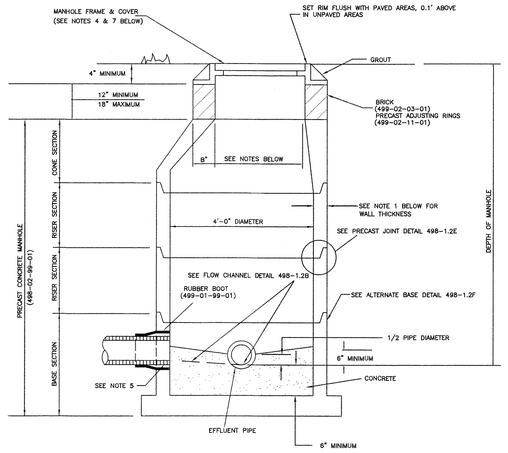


1. ALL CLEANOUTS ON SITE NEED TO HAVE CONCRETE PADS.

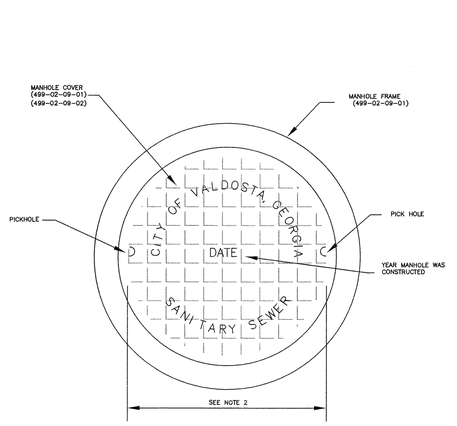
SPECIFICATION REVISIONS		DATE REVISED:	SECTION sht 1 of 1
CITY OF VALDOSTA	CITY OF VALDOSTA STANDARD DETAIL	SANITARY SEWER SERVICE COMMERCIAL CLEANOUT	D 498-2.2



NOTES

1. MINIMUM WALL THICKNESS SHALL BE FIVE INCHES (5") OR 1/12 THE INSIDE DIAMETER, WHICHEVER IS GREATER.
2. ALL MANHOLES THAT WILL BE MAINTAINED BY THE CITY OF VALDOSTA SHALL BE LINED.
   MANHOLE LINING SHALL BE HOPE (499-02-99-06).
   THE EXTERIOR AREAS SHALL BE COATED WITH TWO (2) COATS OF BITUMASTIC SEALER.
3. MANHOLES SHALL BE FURNISHED WITH FACTORY INSTALLED BOOTS (499-01-99-01) TO CONNECT SEWER PIPES TO MANHOLES.
4. MANHOLE TO BE INSTALLED WITH 24" STANDARD RING AND COVER UNLESS OTHERWISE SPECIFIED.
5. FILL ANNULAR VOID BETWEEN PIPE AND RUBBER BOOT WITH GROUT AND FLUSH WITH MANHOLE WALL.
6. LIMEROCK WILL BE PLACED AROUND RING & COVER TO BOTTOM OF ASPHALT.
7. MANHOLE COVERS IN PAVEMENT SHALL BE STANDARD OR HINGED (499-02-09-03) WHERE SPECIFIED.
8. EACH MANHOLE INSTALLED SHALL HAVE ONE COMPACTION DENSITY TEST PER 491.4.1.1 IN SPECIFICATIONS, 100% STANDARD PROCTOR.

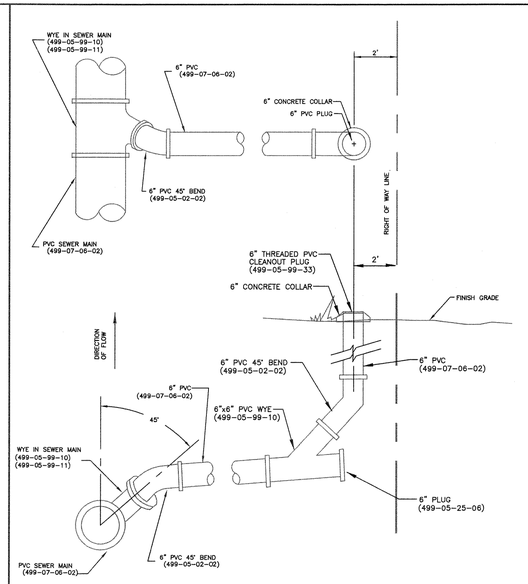
SPECIFICATION		DATE REVISED:	SECTION sht 1 of 1
CITY OF VALDOSTA	CITY OF VALDOSTA STANDARD DETAIL	PRECAST CONCRETE MANHOLE 5' TO 12' DEPTH	B 498-1.1



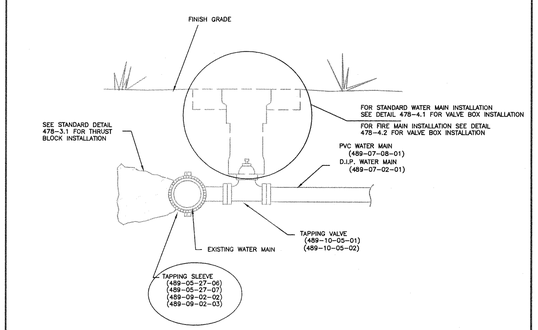
NOTES

1. MANHOLE COVER SHALL BE LETTERED WITH THE WORDS "CITY OF VALDOSTA, GEORGIA" ACROSS THE TOP, "SANITARY SEWER" ACROSS THE BOTTOM AND THE YEAR OF THE MANUFACTURE IN CENTER.
2. UNLESS OTHERWISE SPECIFIED MANHOLE COVERS SHALL BE 24" DIAMETER, AND DOUBLE COVERS DEPENDING ON DEPTH. 32" DIAMETER.

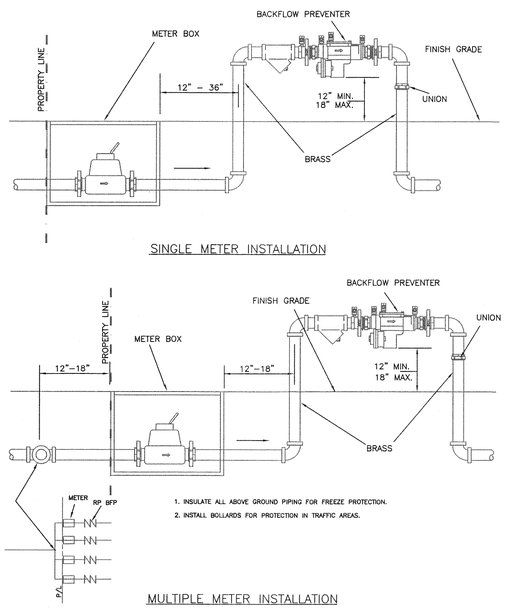
SPECIFICATION		DATE REVISED:	SECTION sht 1 of 2
CITY OF VALDOSTA	CITY OF VALDOSTA STANDARD DETAIL	SANITARY SEWER MANHOLE COVER	A 498-1.2



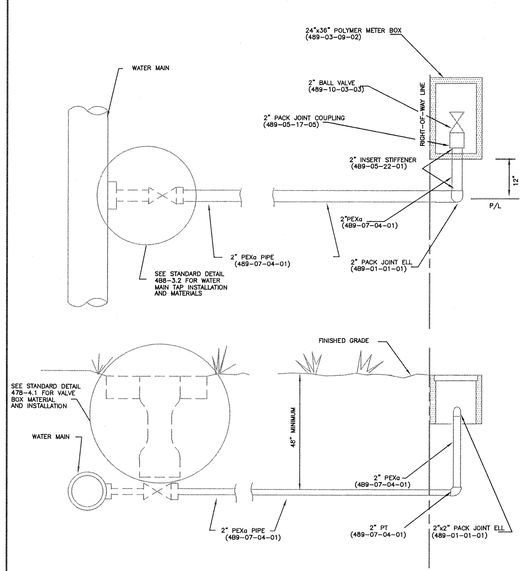
SPECIFICATION		DATE REVISED:	SECTION sht 1 of 1
CITY OF VALDOSTA	CITY OF VALDOSTA STANDARD DETAIL	SANITARY SEWER SERVICE SINGLE SEWER SERVICE	A 498-2.1



SPECIFICATION		DATE REVISED:	SECTION sht 1 of 1
CITY OF VALDOSTA	CITY OF VALDOSTA STANDARD DETAIL	WATER MAIN TAP 3" AND ABOVE	B 488-3.2



SPECIFICATION		DATE REVISED:	SECTION sht 1 of 1
CITY OF VALDOSTA	CITY OF VALDOSTA STANDARD DETAIL	COMMERCIAL BACKFLOW PREVENTOR INSTALLATION (LESS THAN 3")	D 488-1.4



NOTES

1. WATER SERVICE TO BE INSTALLED WITH A SOLID COPPER LOCATING WIRE. SEE STANDARD DETAIL 478-7.1 FOR LOCATING WIRE INSTALLATION.
2. LONG SERVICES UNDER PAVEMENT REQUIRE 4" CASING OF PVC, HDPE OR STEEL.

SPECIFICATION		DATE REVISED:	SECTION sht 1 of 1
CITY OF VALDOSTA	CITY OF VALDOSTA STANDARD DETAIL	WATER SERVICE SINGLE 1-1/2" & 2" WATER SERVICE	G 488-2.1

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NEW OFFICE BUILDING

SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS

DATE	DESCRIPTION

SCALE:	N.T.S.
DESIGNED BY:	BTO
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SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

CONSTRUCTION DETAILS

C-6

6 OF 15 SHEETS

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SITE SUMMARY

24 HOUR CONTACT: Chris Strom, 229-333-5277
PRIMARY PERMITTEE:
Chris Strom
CSTROM@SGRC.US
327 West Savannah Avenue
Valdosta, GA 31601
229-333-5277

TOTAL SITE AREA (ACRES): 2.0 Acres
TOTAL DISTURBED AREA (ACRES): 1.7 Acres

SITE NAME and DESCRIPTION OF CONSTRUCTION ACTIVITY:
New Office Building
The proposed site is located across the street from the Lowndes County Board of Education building (30.83139444° N, -83.32222222° E) in Valdosta, Georgia. The site is currently undeveloped. There are jurisdictional wetlands on the site. The site slopes generally from the northwest to southeast. The proposed work includes clearing, grading, building construction, and installation of infrastructure. The site is not within a 100-year flood plain. The site is in Land Lot 16 of the 11th & 12th Land District. The project is proposed to begin in March 2019 with project completion estimated in December 2019.

NAME OF INITIAL RECEIVING WATER:
- Hightower Creek

WATER QUALITY SAMPLING LOCATIONS:
Location #1-Pipe Outfall
A turbidity limit of 75 NTUs has been established for this location based on the following criteria:
- Warm Water Fishery
- Construction Site Size: 2.0 ACRES
- Surface water drainage area: 0-4.99 mi^2

RUNOFF COEFFICIENT OR PEAK FLOW:
PRE-DEVELOPMENT= 0.30
POST-DEVELOPMENT= 0.90

GENERAL ESPC NOTES

1. **THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.**
2. **EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.**
3. **ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.**
4. Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wrested vegetation or within 25-feet of the coastal marshland buffer as measured from the Jurisdictional Determination Line without first acquiring the necessary variances and permits.
5. The design professional who prepared the ES&PC plan is to inspect the installation of the initial sediment storage requirements and perimeter control BMPs within 7 days after installation.
6. Amendments/revisions to the ES&PC plan which have a significant effect on BMPs with a hydraulic component must be certified by the design professional.
7. Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit.
8. This ES&PC plan is in compliance with waste disposal, sanitary sewer, or septic tank regulations.
9. All construction shall be in accordance with City of Valdosta standards and specifications.
10. All erosion control measures shall be inspected by the contractor daily. Any damages observed shall be repaired by the end of that day.
11. Contractor shall be responsible for installing the minimum required erosion control measures as shown on plans. Contractor is also responsible for ensuring compliance with NPDES law.
12. The contractor is to verify all elevations of proposed structures as shown to ensure positive drainage prior to any construction.
13. **ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED BY FIELD INSPECTOR.**
14. Upon completion of the project and receipt of certificate of occupancy, the contractor shall remove all temporary erosion control measures and dispose of them unless noted on plans.

EROSION AND SEDIMENT CONTROLS

SEQUENCE OF MAJOR ACTIVITIES: Initial sediment storage requirements and perimeter control BMPs
1. Clearing, grubbing, rough grading
2. Maintenance of best management practices on-going throughout project
3. Demolition of existing structures
4. Intermediate grading and drainage BMPs
5. Building and infrastructure construction
6. Final grading
7. Final BMPs

BUFFER ENCROACHMENTS:
- Minor Buffer Encroachment variance is required for the conveyance of stormwater from the pipe outfall to state water.

SEDIMENT BASINS:
"For common drainage locations a temporary (or permanent) sediment basin providing at least 1800 cubic feet (67 cubic yards) of storage per acre drained, or equivalent control measures, shall be provided until final stabilization of the site." Implementation and maintenance of sediment basins shall be conducted according to paragraph IV.D.3.a.(3) of Permit GAR 100001.

STABILIZATION MEASURES
A stabilized construction exit (Co) shall be provided to help reduce vehicle tracking of sediments. Paved streets used to access the site and those within shall be swept as needed to remove any excess mud, dirt or rock tracked from the site. Dump trucks hauling material from the construction site shall be covered with tarpaulins. Silt fencing (Sd1) shall be utilized downstream of all disturbed areas. Temporary sediment traps (Sd2) shall be installed around all stormwater structures. Check dams (Cd) shall be installed in areas of concentrated flow. Dust control (Du) shall be utilized on all disturbed areas. Temporary and permanent grassing (Ds2, Ds3) shall be applied according to the schedule shown in the specifications for the practice. Stabilization measures shall be initiated as soon as practicable but in no case later than 14 days after construction has temporarily or permanently ceased.

POST-CONSTRUCTION BMPs
Stormwater detention ponds and vegetated swales are permanent measures that will be installed to control pollutants after construction operations are complete. Velocity dissipation devices will be placed at discharge locations and along the length of any outflow channel in order to provide a non-erosive flow so that the natural physical and biological characteristics and functions of the water course are maintained and protected. The installation of these devices may be subject to Section 404 of the federal Clean Water Act.

OTHER CONTROLS

TIMING OF CONTROLS/MEASURES:
All control measures shall be implemented according to the construction schedule shown in the Sequence of Major Activities section.

NON-STORMWATER DISCHARGES:
It is expected that the following non-stormwater discharges will occur from the site during the construction period
- Water from water line flushings and fire hydrants.
- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).
- Uncontaminated ground water (from dewatering excavation).

All non-stormwater discharges shall be directed to a sediment basin prior to discharge.

POTENTIAL POLLUTANTS:
The following potential pollutants typically identified with construction may be present on-site. Pollution prevention measures implemented as part of this plan will reduce the potential for contact of these pollutants with stormwater.
- Petroleum products
- Construction debris
- Silt
- Fertilizers
- Paints and related materials
- Chlorinated water line flushings
- Sanitary waste

SPILL PREVENTION:
Material management practices:
Good Housekeeping: The following good housekeeping practices shall be followed on-site during the construction project.
- An effort shall be made to store only enough of any product utilized on-site as is required to do the job.
- All materials stored on-site shall be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure.
- Building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site, provide caver (e.g. plastic sheeting, temporary roofs) to minimize the exposure af these products to precipitation and to stormwater, or a similarly effective means designed to minimize the discharge of pollutants from these areas. minimization of exposure is not required in cases where exposure to precipitation and to stormwater will not result in a discharge of pollutants, or where exposure of a specific material or product poses little risk to stormwater contamination (such as final products and materials intended for outdoor use).
- Products shall be kept in their original containers with the original manufacturer's label.
- Substances shall not be mixed with one another unless recommended by the manufacturer.
- Whenever possible, all of a product shall be used up before disposing of the container.
- Manufacturer's recommendations for proper use and disposal shall be followed.
- The site superintendent shall inspect daily to ensure proper use and disposal of materials on-site.

Hazardous Products:
- Hazardous products used on-site shall be kept in original containers unless they are not resealable.
- Original labels and material safety data sheets (MSDSs) shall be retained on site.
- Surplus hazardous products shall be disposed of according to Federal, State, and Local guidelines.

Fertilizers:
- Fertilizers used for enhancement of stabilization measures shall be applied according to applicable rate schedules.
- Fertilizers shall be "worked" into the soil to minimize exposure to stormwater.
- Fertilizer materials stored on-site shall be managed in a manner to reduce the potential for stormwater contamination.

Paints:
- Paint materials on-site shall be stored in tightly sealed containers.
- Excess paint and paint waste shall be disposed of according to applicable Federal, State, and Local guidelines.

SPILL CONTROL PRACTICES:
In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices shall be followed for spill prevention and cleanup:
- Manufacturers' recommended methods for spill cleanup shall be clearly posted and site personnel shall be made aware of the procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup shall be kept in material storage area on-site.
- All spills shall be cleaned up immediately after discovery.
- Spills of toxic or hazardous material shall be reported to the appropriate Federal, State, or local government agency, regardless of the size.
- The spill prevention plan shall be adjusted to include measures to prevent spills from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the clean up measures shall also be included.

The site superintendent responsible for the day-to-day operations shall be the spill prevention and cleanup coordinator.

WASTE DISPOSAL:
- Waste Materials:

All trash and construction debris from the site shall be deposited in a dumpster. The dumpster shall be emptied when full. No construction waste materials shall be buried on-site. All personnel shall be instructed regarding the correct procedure for waste disposal. All waste disposal practices shall be conducted in accordance with State and/or local waste disposal regulations.
- Hazardous Waste:

All hazardous waste materials shall be disposed of in the manner specified by State or local regulation or by the manufacturer. Site personnel shall be instructed in these practices and the Project Superintendent, the individual who manages day-to-day site operations, shall be responsible for seeing that these practices are followed.
- Sanitary Waste:

Sanitary waste generated from portable units shall be emptied as required to provide for sanitary conditions. All sanitary waste disposal practices shall be conducted in accordance with State and/or local waste disposal regulations.

INSPECTIONS AND RECORD KEEPING

The following is the complete requirements of inspections and record keeping as stated in Part IV.D.4.a of the Permit:

4. Inspections.
a. Permittee requirements.
(1). Each day when any type of construction activity has taken place at a primary permittee's site, certified personnel provided by the primary permittee shall inspect: (a) all areas at the primary permittee's site where petroleum products are stored, used, or handled for spills and leaks from vehicles and equipment and (b) all locations at the primary permittee's site where vehicles enter or exit the site for evidence of off-site sediment tracking. These inspections must be conducted until a Notice of Termination is submitted.

(2). Measure and record rainfall within disturbed areas of the site that have not met final stabilization once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday. The data collected for the purpose of compliance with this permit shall be representative of the monitored activity. Measurement of rainfall may be suspended if all areas of the site have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region.

(3). Certified personnel (provided by the primary permittee) shall inspect the following at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches rainfall or greater (unless such storm ends after 5:00 PM on any Friday or an any non-working Saturday, non-working Sunday or any non-working Federal holiday in which case the inspection shall be completed by the end of the next business day and/or working day, whichever occurs first): disturbed areas of the primary permittee's construction site; (b) areas used by the primary permittee for storage of materials that are exposed to precipitation; and (c) structural control measures. Erosion and sediment control measures identified in the Plan applicable to the primary permittee's site shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s). For areas of a site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region, the permittee must comply with Part IV.D.4.a.(4). These inspections must be conducted until a Notice of Termination is submitted.

(4). Certified personnel (provided by the primary permittee) shall inspect at least once per month during the term of this permit (i.e., until a Notice of Termination has been submitted) the areas of the site that have undergone final stabilization or established a crop of annual vegetation and a seeding of target perennials appropriate for the region. These areas shall be inspected for evidence of, or the potential for, pollutants entering the drainage system and the receiving water(s). Erosion and sediment control measures identified in the Plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving water(s).

(5). Based on the results of each inspection, the site description and the pollution prevention and control measures identified in the Erosion, Sedimentation and Pollution Control Plan, the Plan shall be revised as appropriate nat later than seven (7) calendar days following each inspection. Implementation of such changes shall be made as soon as practical but in no case later than seven (7) calendar days following each inspection.

(6). A report of each inspection that includes the name(s) of certified personnel making each inspection, the date(s) of each inspection, construction phase (i.e., initial, intermediate or final), major observatians relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(5). of the permit shall be made and retained at the site or be readily available at a designated alternate location until the entire site or that portion of a canstruction site that has been phased has undergone final stabilization and a Notice af Termination is submitted to EPD. Such reports shall be readily available by end of the second business day and/or working day and shall identify all incidents of best management practices that have not been properly installed and/or maintained as described in the Plan. Where the report does not identify any incidents, the inspection report shall cantain a certification that the best management practices are in compliance with the Erosion, Sedimentation and Pollution Control Plan. The report shall be signed in accordance with Part V.G.2. of this permit.

SAMPLING FREQUENCY AND REPORTING OF RESULTS

The following is the complete requirements of inspections and record keeping as stated in Part IV.D.6.d and Part IV.E of the Permit:

Part IV.D.6.d Sampling Frequency
(1). The primary permittee must sample in accordance with the Plan at least once for each rainfall event described below. For a qualifying event, the permittee shall sample at the beginning of any stormwater discharge to a monitored receiving water and/or from a monitored outfall location within in forty-five (45) minutes or as soon as possible.

(2). However, where manual and automatic sampling are impossible (as defined in this permit), or are beyond the permittee's control, the permittee shall take samples as soon as possible, but in no case more than twelve (12) hours after the beginning of the stormwater discharge.

(3).Sampling by the permittee shall occur for the following qualifying events:
(a). For each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit after all clearing and grubbing operations have been completed, but prior to completion of mass grading operations, in the drainage area of the location selected as the sampling location;
(b). In addition to (a) above, for each area of the site that discharges to a receiving water or from an outfall, the first rain event that reaches or exceeds 0.5 inch with a stormwater discharge that occurs during normal business hours as defined in this permit either 90 days after the first sampling event or after all mass grading operations have been completed, but prior to submittal of a NOT, in the drainage area of the location selected as the sampling location, whichever comes first;
(c). At the time of sampling performed pursuant to (a) and (b) above, if BMPs in any area of the site that discharges to a receiving water or from an outfall are not properly designed, installed and maintained, corrective action shall be defined and implemented within two (2) business days, and turbidity samples shall be taken from discharges from that area of the site for each subsequent rain event that reaches or exceeds 0.5 inch during normal business hours* until the selected turbidity standard is attained, or until post-storm event inspections determine that BMPs are properly designed, installed and maintained;
(d). Where sampling pursuant to (a), (b) or (c) above is required but not possible (or not required because there was no discharge), the permittee, in accordance with Part IV.D.4.a.(6), must include a written justification in the inspection report of why sampling was not performed. Providing this justification does not relieve the permittee of any subsequent sampling obligations under (a), (b) or (c) above; and (e). Existing construction activities, i.e., those that are occurring on ar before the effective date of this permit, that have met the sampling required by (a) above shall sample in accordance with (b). Those existing construction activities that have met the sampling required by (b) above shall not be required to conduct additional sampling other than as required by (c) above.

*Note that the permittee may choose to meet the requirements of (a) and above by collecting turbidity samples from any rain event that reaches or exceeds 0.5 inch and allows for sampling at any time of the day or week.

Part IV.E Reporting
1. The applicable permittees are required to submit the sampling results to the EPD through the online GEOS system by the fifteenth day of the month following the reporting period. Reporting periods are months during which samples are taken in accordance with this permit. Sampling results shall be in a clearly legible format. Upon written notification, EPD may require the applicable permittee to submit the sampling results on a more frequent basis. Sampling and analysis of any stormwater discharge(s) ar the receiving water(s) beyond the minimum frequency stated in this permit must be reported in a similar manner to the EPD. The sampling reports must be signed in accordance with Part V.G.2. Sampling reports must be submitted to EPD using the electronic submittal service provided by EPD. Sampling reports must be submitted to EPD until such time as a NOT is submitted in accordance with Part VI.

2. All sampling reports shall include the following information:
a. The rainfall amount, date, exact place and time of sampling or measurements;
b. The name(s) of the certified personnel who performed the sampling and measurements;
c. The date(s) analyses were performed;
d. The time(s) analyses were initiated;
e. The name(s) of the certified personnel who performed the analyses;
f. References and written procedures, when available, for the analytical techniques or methods used;
g. The results of such analyses, including the bench sheets, instrument readouts, computer disks or tapes, etc., used to determine these results;
h. Results which exceed 1000 NTU shall be reported as "exceeds 1000 NTU;" and
i. Certification statement that sampling was conducted as per the Plan.

3. All written correspondence required by this permit shall be submitted by return receipt certified mail (ar similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A af this permit. The permittee shall retain a copy of the proof of submittal at the construction site or the proof of submittal shall be readily available at a designated location from commencement of construction until such time as a NOT is submitted in accordance with Part VI.

RETENTION OF RECORDS

The following is the complete requirements of retention of records as stated in Part IV.F of the Permit:

Part IV.F Retention of Records
1. The primary permittee shall retain the following records at the construction site or the records shall be readily available at a designated alternate location from commencement of construction until such time as a NOT is submitted in accordance with Part VI:
a. A copy of all Notices af Intent submitted to EPD;
b. A copy of the Erasion, Sedimentation and Pollution Control Plan required by this permit;
c. The design professional's report of the results of the inspection conducted in accordance with Part IV.A.5. of this permit;
d. A copy of all sampling information, results, and reports required by this permit;
e. A copy of all inspection reports generated in accordance with Part IV.D.4.a. of this permit;
f. A copy of all violation summaries and violation summary reports generated in accordance with Part III.D.2. of this permit; and
g. Daily rainfall information collected in accordance with Part IV.D.4.a.(2). of this permit
2. Copies of all Notices of Intent, Notices of Termination, inspection reports, sampling reports (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) or other reports requested by the EPD, Erosion, Sedimentation and Pollution Control Plans, records of all data used to complete the Notice of Intent to be covered by this permit and all other records required by this permit shall be retained by the permittee who either produced or used it for a period of at least three years from the date that the NOT is submitted in accordance with Part VI. of this permit. These records must be maintained at the permittee's primary place of business or at a designated alternative location once the construction activity has ceased at the permitted site. This period may be extended by request of the EPD at any time upon written notification to the permittee.

SAMPLING PROCEDURES AND ANALYTICAL TESTING METHODS

1. All sampling shall be collected by "grab samples" and the analysis of these samples must be conducted in accordance with methodology and test procedures established by 40 CFR Part 136; the guidance document titled "NPDES Storm Water Sampling Guidance Document, EPA 833-B-92-001" and guidance documents that may be prepared by the EPD.

Sample Type
1.1. Sample containers should be labeled prior to collecting the samples.
1.2. Samples should be well mixed before transferring to a secondary container.
1.3. Large mouth, well cleaned and rinsed glass or plastic jars should be used for collecting samples. The jars should be cleaned thoroughly to avoid contamination.
1.4. Manual, automatic or rising stage sampling may be utilized. Samples required by this permit should be analyzed immediately, but in no case later than 48 hours after collection. However, samples from automatic samplers must be collected no later than the next business day after their accumulation, unless flow through automated analysis is utilized. If automatic sampling is utilized and the automatic sampler is not activated during the qualifying event, the permittee must utilize manual sampling or rising stage sampling during the next qualifying event.
2. Sampling Points
2.1. Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the stormwater outfall channel(s).
2.2. Core should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall stormwater channel.
2.3. The sampling container should be held so that the opening faces upstream.
2.4. The samples should be kept free from floating debris.

NOTICE OF TERMINATION

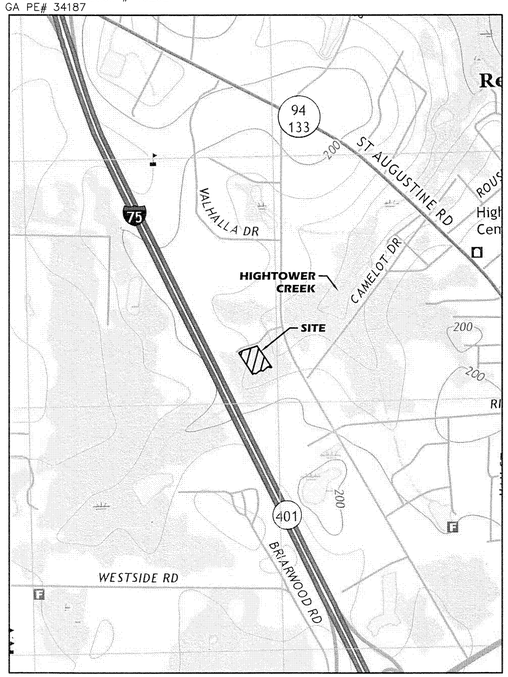
Upon final stabilization, A Notice of Termination shall be submitted to GA EPD in accordance with Permit GAR 100001 on forms provided by EPD (if available) or in the format outlined in the permit.

DESIGN PROFESSIONAL CERTIFICATION

I certify under penalty of law that this Plan was prepared after a site visit to the locations described herein by myself or my authorized agent, under my supervision.

"I certify that the permittee's Erosion, Sedimentation and Pollution Control Plan provides for an appropriate and comprehensive system of Best Management Practices required by the Georgia Water Quality Control Act and the document "Manual for Erosion and Sediment Control in Georgia" (Manual) published by the Georgia Soil and Water Conservation Commission as of January 1 of the year in which the land-disturbing activity was permitted, provides for the sampling of the receiving water(s) or the sampling of the storm water outfalls and that the designed system of Best Management Practices and sampling methods is expected to meet the requirements contained in the General NPDES Permit No. GAR 100001."

Clayton Milligan, P.E.
Level II Certification # 49262
GA PE# 34187



LOCATION MAP

LEA
CIVIL ▪ AGRICULTURAL ▪ ENVIRONMENTAL
GA CORP# 0419099
FL CORP# F04000002135
P.O. Box 2830
3998 Inner Perimeter Road
Valdosta, GA 31604
Telephone: 229-253-0900
Fax: 229-253-1842
E-mail: lea@lea-pc.com

NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16 OF THE 11TH & 12TH LAND DISTRICT CITY OF VALDOSTA STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE
0 250 500 1000
(IN FEET)
1 INCH = 1000 FEET

NORTH

SCALE:	1"=1000'
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

ESPC NARRATIVE PLAN

C-7

7 OF 15 SHEETS

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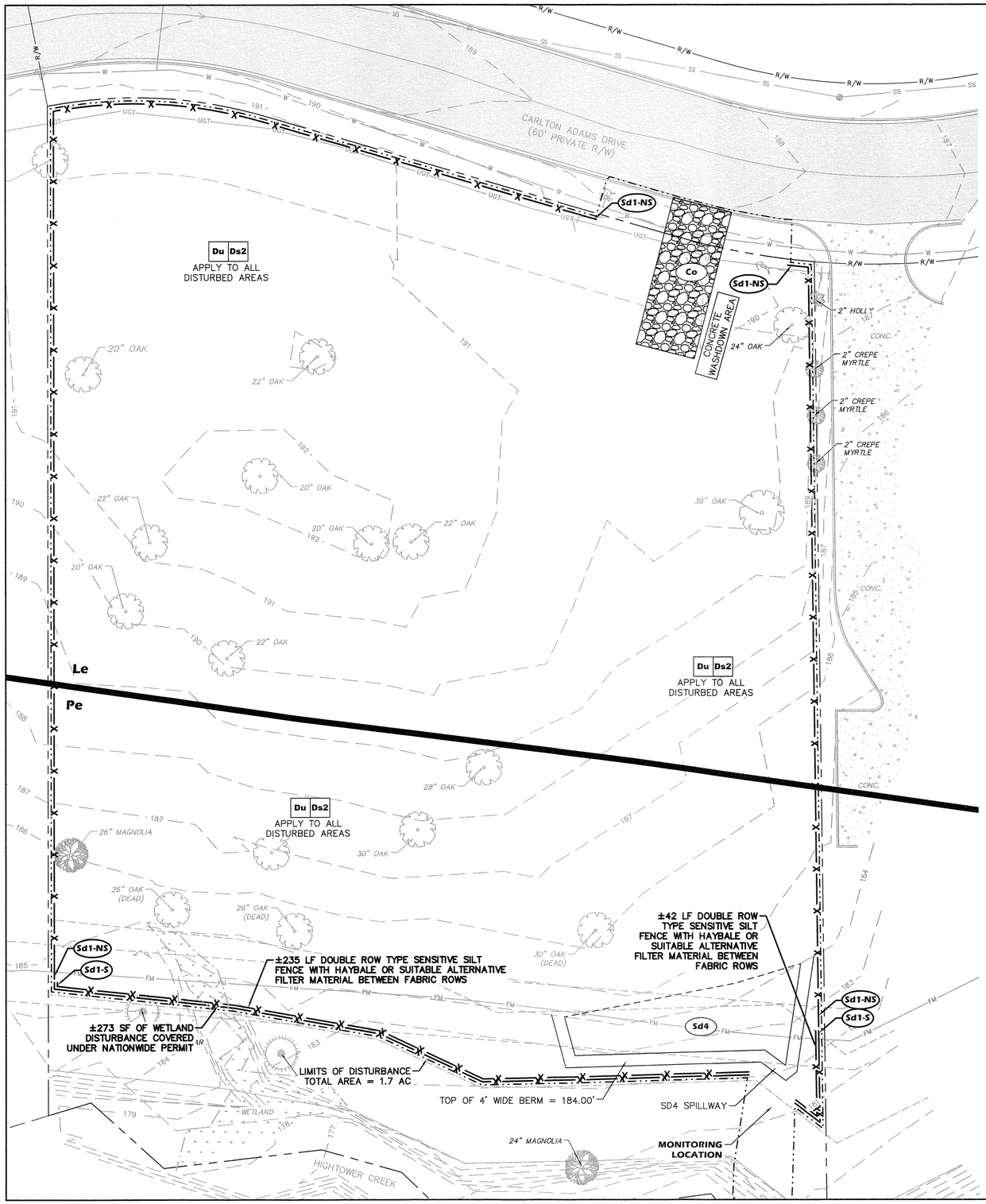


INITIAL PHASE EROSION CONTROL NOTES:

1. THE CONTRACTOR SHALL MINIMIZE THE AREAS TO BE DISTURBED SIMULTANEOUSLY.
2. A COPY OF THE APPROVED LAND DISTURBANCE PLAN AND PERMIT SHALL BE PRESENT ON THE SITE AT ALL TIMES.
3. THE CONTRACTOR SHALL VERIFY WITH ENGINEER THE NOTICE OF INTENT HAS BEEN SUBMITTED TO EPD PRIOR TO CONSTRUCTION.
4. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY MARKED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE ACTIVITY SHALL BE MARKED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
5. PRIOR TO ANY OTHER CONSTRUCTION, A STABILIZED CONSTRUCTION EXIT SHALL BE CONSTRUCTED AT EACH POINT OF EXIT FROM THE SITE ONTO ANY PUBLIC ROADWAY USED DURING CONSTRUCTION.
6. IMMEDIATELY AFTER THE ESTABLISHMENT OF CONSTRUCTION EXITS, ALL PERIMETER EROSION CONTROL AND STORMWATER MANAGEMENT DEVICES SHALL BE INSTALLED AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN.
7. TREE PROTECTION FENCING SHOULD BE INSTALLED PRIOR TO THE START OF ANY LAND DISTURBANCE ACTIVITY AND MAINTAINED UNTIL FINAL LANDSCAPE IS INSTALLED. THE TREE PROTECTION FENCING SHOULD BE INSPECTED DAILY. ANY FAILURES OF SAID FENCING SHOULD BE REPAIRED IMMEDIATELY.
8. AFTER INSTALLATION OF INITIAL EROSION CONTROL MEASURES, THE SITE CONTRACTOR SHALL SCHEDULE AN INSPECTION BY THE PROJECT DESIGN PROFESSIONAL. NO OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR UNTIL THE PROJECT DESIGN PROFESSIONAL APPROVES THE INSTALLATION OF SAID EROSION CONTROL MEASURES. IF UNFORESEEN CONDITIONS EXIST IN THE FIELD THAT WARRANT ADDITIONAL EROSION CONTROL MEASURES, THE CONTRACTOR MUST CONSTRUCT ANY ADDITIONAL EROSION CONTROL DEVICES DEEMED NECESSARY BY THE SITE INSPECTION.
9. AFTER APPROVAL OF THE INITIAL EROSION CONTROL INSTALLATION, THE CONTRACTOR MAY PROCEED WITH CLEARING AND GRUBBING ACTIVITIES. AS CLEARING PERMITS, THE CONTRACTOR SHALL CONSTRUCT TEMPORARY SEDIMENT PONDS AND DIVERSION DIKES AS SHOWN ON THE INITIAL PHASE EROSION CONTROL PLAN TO CONTROL EROSION AND STORMWATER RUN OFF.
10. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
11. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY VEGETATION.
12. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED PER REQUIREMENTS OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
13. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
14. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
15. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

SEDIMENT STORAGE TABULATIONS:

REQUIRED SEDIMENT STORAGE:
= SITE AREA * 67 CY/AC
= 1.7 AC * 67 CY/AC
= 113.9 CY ≈ 114 CY

SEDIMENT STORAGE PROVIDED BY:
1. TEMPORARY SEDIMENT TRAP (SD4)

SD4 CALCULATIONS:
STORAGE PROVIDED:
= (SD4 AREA * SD4 DEPTH) / 27 CF/CY
= (1500 SF * 2.1 FT) / 27 CF/CY
= 117 CY

TOTAL STORAGE PROVIDED:
= 117 CY (SD4)
= 117 CY TOTAL STORAGE PROVIDED

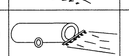
SOILS LEGEND

Le	LEEFIELD LOAMY SAND, 0 TO 2 PERCENT SLOPES
Pe	PELHAM LOAMY SAND, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED

ESPC LEGEND

—·—·—·—	– LAND DISTURBANCE LIMITS
——X——	– SILT FENCE
	– SOIL LINE

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Du	DUST CONTROL ON DISTURBED AREAS		Du	CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS AND SIMILAR SITES.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		Co (Label)	A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Sd1	SEDIMENT BARRIER		TYPE (Indicate type)	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, OR SILT FENCE.
Sd4	TEMPORARY SEDIMENT TRAP			A SMALL TEMPORARY POND THAT DRAINS A DISTURBED AREA SO THAT SEDIMENT CAN SETTLE OUT. THE PRINCIPLE FEATURE DISTINGUISHING A TEMPORARY SEDIMENT TRAP FROM A TEMPORARY SEDIMENT BASIN IS THE LACK OF A PIPE OR RISER.

CIVIL ▪ AGRICULTURAL ▪ ENVIRONMENTAL
GA CORP# 0419099
FL CORP# F04000002135
P.O. Box 2830
3998 Inner Perimeter Road
Valdosta, GA 31604
Telephone: 229-253-0900
Fax: 229-253-1842
E-mail: lea@lea-pc.com

NEW OFFICE BUILDING

SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 INCH = 20 FEET

SCALE:	1"=20'
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

INITIAL ESPC PLAN

C-8

8 OF 15 SHEETS

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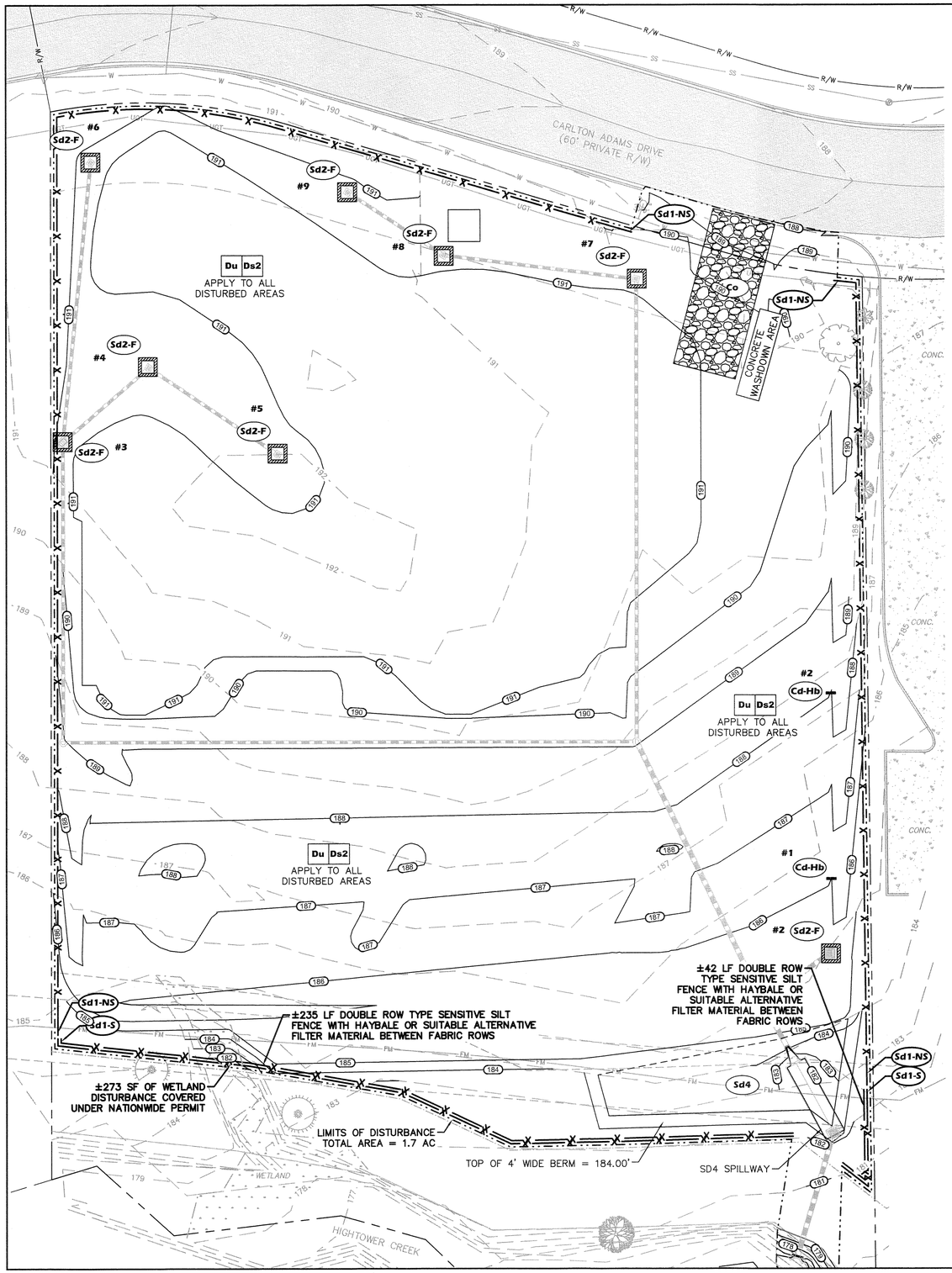
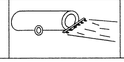


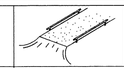
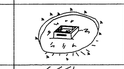
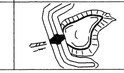
INTERMEDIATE PHASE EROSION CONTROL NOTES:

1. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN CAREFUL SCHEDULING AND PERFORMANCE TO ENSURE THAT LAND STRIPPED OF ITS NATURAL GROUND COVER IS EXPOSED ONLY IN SMALL QUANTITIES AND THEREFORE LIMITED DURATIONS, BEFORE PERMANENT EROSION PROTECTION IS ESTABLISHED.
2. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
3. EROSION CONTROL DEVICES SHALL BE INSTALLED IMMEDIATELY AFTER GROUND DISTURBANCE OCCURS. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS DURING CONSTRUCTION ARE DIFFERENT FROM THE PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY DIFFICULTY IN CONTROLLING EROSION DURING ANY PHASE OF CONSTRUCTION SHALL BE REPORTED TO THE DESIGN PROFESSIONAL IMMEDIATELY.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ESTABLISHING BARRIERS AT THE TOE OF ALL SLOPES UNDER CONSTRUCTION. THESE BARRIERS SHALL BE AS SHOWN IN THE PLANS. THESE BARRIERS MAY BE RELOCATED AND REUSED AFTER PERMANENT SLOPE STABILIZATION BECOMES FULLY ESTABLISHED. AS THEY ARE RELOCATED, ANY DEFECTIVE MATERIALS IN THE BARRIER SHALL BE REPLACED. IN ADDITION, ALL DEBRIS AND SILT AT THE PREVIOUS LOCATION SHALL BE REMOVED.
5. CUT AND FILL SLOPES ARE NOT TO EXCEED 2H:1V.
6. ALL SLOPES STEEPER THAN 2.5:1 AND WITH A HEIGHT OF TEN FEET OR GREATER, AND CUTS AND FILLS WITHIN STREAM BUFFERS, SHALL BE STABILIZED WITH SOD. SEE SEPARATE DETAILS FOR ADDITIONAL INFORMATION.
7. TYPE "NS" SILT FENCE SHALL BE PLACED AT THE TOE OF ALL DIRT STOCKPILE AREAS.
8. INLET SEDIMENT PROTECTION MEASURES SHALL BE INSTALLED ON ALL STORM STRUCTURES AS THEY ARE CONSTRUCTED.
9. STORM DRAIN OUTLET PROTECTION SHALL BE PLACED AT ALL OUTLET HEADWALLS AS SOON AS THE HEADWALL IS CONSTRUCTED.
10. STONE CHECK DAMS SHALL BE INSTALLED IN AREAS OF CONCENTRATED FLOWS AS SHOWN ON THE PLAN.
11. ALL DRAINAGE SWALES SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
12. ALL GRADED AREAS SHALL BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED.
13. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
14. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
15. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE MUST BE MAINTAINED PER REQUIREMENTS OF THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
16. THE CONSTRUCTION EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH 1-3" OF STONE, AS CONDITIONS DEMAND. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
17. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
18. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE SEDIMENT CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds2	DISTURBED AREA STABILIZATION (WITH TEMP SEEDING)		Ds2	ESTABLISHING A TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDINGS ON DISTURBED AREAS.
Du	DUST CONTROL ON DISTURBED AREAS		Du	CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITE, ROADWAYS AND SIMILAR SITES.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Co	CONSTRUCTION EXIT		Co (Label)	A CRUSHED STONE PAD LOCATED AT THE CONSTRUCTION SITE EXIT TO PROVIDE A PLACE FOR REMOVING MUD FROM TIRES THEREBY PROTECTING PUBLIC STREETS.
Sd1	SEDIMENT BARRIER		TYPE (Indicate type)	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, OR SILT FENCE.
Sd2	INLET SEDIMENT TRAP			A TEMPORARY PROTECTIVE DEVICE FORMED AT OR AROUND AN INLET TO A STORM DRAIN TO TRAP SEDIMENT
Sd4	TEMPORARY SEDIMENT TRAP			A SMALL TEMPORARY POND THAT DRAINS A DISTURBED AREA SO THAT SEDIMENT CAN SETTLE OUT. THE PRINCIPLE FEATURE DISTINGUISHING A TEMPORARY SEDIMENT TRAP FROM A TEMPORARY SEDIMENT BASIN IS THE LACK OF A PIPE OR RISER.

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NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 INCH = 20 FEET

NORTH

SCALE:	1"=20'
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN
3/22/19

GSWCC LEVEL II CERT. #49262

INTERMEDIATE ESPC PLAN

C-9

9 OF 15 SHEETS

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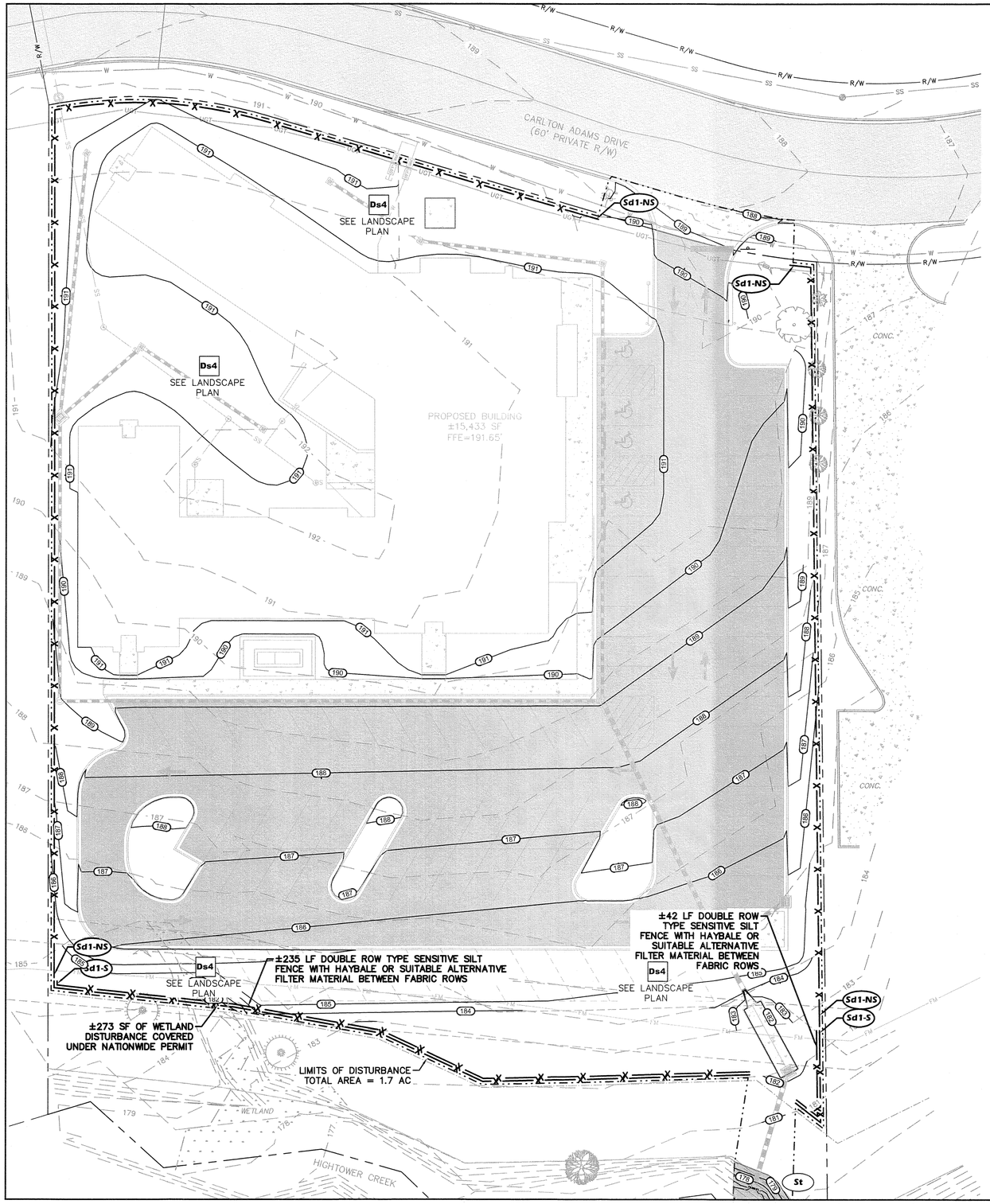

FINAL PHASE EROSION CONTROL NOTES:

1. SEDIMENT SHALL NOT BE WASHED INTO INLETS. IT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND DISPOSED OF AND STABILIZED SO THAT IT WILL NOT ENTER THE INLETS AGAIN.
2. MULCH OR TEMPORARY GRASSING SHALL BE APPLIED TO ALL EXPOSED AREAS WITHIN 14 DAYS OF LAND DISTURBANCE.
3. ALL DISTURBED AREAS LEFT MULCHED AFTER 30 DAYS SHALL BE STABILIZED WITH TEMPORARY GRASSING.
4. THE CONTRACTOR SHALL MAINTAIN ALL SEDIMENT PONDS AND EROSION CONTROL MEASURES UNTIL PERMANENT GROUND COVER IS ESTABLISHED. SEDIMENT SHALL BE CLEANED OUT OF THE PONDS WHEN IT REACHES THE ONE-THIRD POINT ON THE RISER.
5. AFTER CURBING, GRADED AGGREGATE BASE, AND PAVEMENT HAS BEEN INSTALLED, ALL INLET SEDIMENT TRAPS ON SINGLE AND DOUBLE WING CATCH BASINS ALONG WITH ANY CURB INLETS SHALL BE REMOVED AND REPLACED WITH CURB FILTER INLET PROTECTION.
6. ALL ROADWAY AND PARKING SHOULDERS SHOULD BE APPLIED WITH VEGETATIVE COVER AS SOON AS FINAL GRADE IS ACHIEVED BEHIND CURBS.
7. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE CHECKED AFTER EACH RAIN EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED ONE HALF THE CAPACITY OF THE DEVICE.
8. AFTER THE CONSTRUCTION EXIT IS PAVED, THE EXIT SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOW OF MUD ONTO PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED, OR TRACKED FROM VEHICLE ONTO PUBLIC ROADWAY OR INTO STORM DRAIN MUST BE REMOVED IMMEDIATELY.
9. CONTRACTOR SHALL INSPECT CONTROL MEASURES AT THE END OF EACH WORKING DAY TO ENSURE MEASURES ARE FUNCTIONING PROPERLY.
10. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE AS DIRECTED BY THE ON SITE INSPECTOR OR THE CIVIL ENGINEER.
11. UPON COMPLETION OF THE PROJECT AND RECEIPT OF CERTIFICATE OF OCCUPANCY, THE CONTRACTOR SHALL REMOVE ALL TEMPORARY EROSION CONTROL MEASURES AND DISPOSE OF THEM UNLESS NOTED ON PLANS.

VEGETATIVE PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Ds3	DISTURBED AREA STABILIZATION (WITH PERM SEEDING)		Ds3	ESTABLISHING PERMANENT VEGETATIVE COVER SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON DISTURBED AREAS.
Ds4	DISTURBED AREA STABILIZATION (WITH SODDING)	FLOW	Ds4	A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

STRUCTURAL PRACTICES

CODE	PRACTICE	DETAIL	MAP SYMBOL	DESCRIPTION
Sd1	SEDIMENT BARRIER		TYPE (Indicate type)	A BARRIER TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION SITE. IT MAY BE SANDBAGS, BALES OF STRAW OR HAY, BRUSH, LOGS AND POLES, OR SILT FENCE.
St	STORM DRAIN OUTLET PROTECTION		St (Label)	A PAVED OR SHORT SECTION OF RIPRAP CHANNEL AT THE OUTLET OF A STORM DRAIN SYSTEM PREVENTING EROSION FROM THE CONCENTRATED RUNOFF.

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NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
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CITY OF VALDOSTA
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SCALE: 1"=20'
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SUBMITTAL DATE: 03/22/19
JOB NO. 0826-01

GEORGIA REGISTERED No. 34167 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN
3/22/19

GSWCC LEVEL II CERT. #49262

FINAL ESPC PLAN

C-10

10 OF 15 SHEETS

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Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)

DEFINITION

A PERMANENT VEGETATIVE COVER USING SODS ON HIGHLY ERODIBLE OR CRITICALLY ERODED LANDS.

PURPOSE

- TO ESTABLISH IMMEDIATE GROUND COVER.
- TO REDUCE RUNOFF AND EROSION
- TO IMPROVE AESTHETICS AND LAND VALUE
- TO REDUCE DUST AND SEDIMENTS
- TO STABILIZE WATERWAYS, CRITICAL AREAS
- TO FILTER SEDIMENTS, NUTRIENTS AND BUGS
- TO REDUCE DOWNSTREAM COMPLAINTS
- TO REDUCE LIKELIHOOD OF LEGAL ACTION
- TO REDUCE LIKELIHOOD OF WORK STOPPAGE DUE TO LEGAL ACTION
- TO INCREASE "GOOD NEIGHBOR" BENEFITS

CONDITIONS

THIS APPLICATION IS APPROPRIATE FOR AREAS WHICH REQUIRE IMMEDIATE VEGETATIVE COVERS, DROP INLETS, GRASS SWALES, AND WATERWAYS WITH INTERMITTENT FLOW.

CONSTRUCTION SPECIFICATIONS

1. SOIL PREPARATIONS–
   - 1.1. BRING SOIL SURFACE TO FINAL GRADE. CLEAR SURFACE OF TRASH, WOODY DEBRIS, STONES AND CLODS LARGER THAN 1". APPLY SOD TO SOIL SURFACES ONLY AND NOT FROZEN SURFACES, OR GRAVEL TYPE SOILS.
   - 1.2. TOPSOIL PROPERLY APPLIED WILL HELP GUARANTEE A STAND. DON'T USE TOPSOIL RECENTLY TREATED WITH HERBICIDES OR SOIL STERILANTS.
   - 1.3. MIX FERTILIZER INTO SOIL SURFACE. FERTILIZE BASED ON SOIL TESTS OR TABLE 6–6.1.
2. INSTALLATION–
   - 2.1. LAY SOD WITH TIGHT JOINTS AND IN STRAIGHT LINES. DON'T OVERLAP JOINTS. STAGGER JOINTS AND DO NOT STRETCH SOD (SEE FIGURE BELOW).
   - 2.2. ON SLOPES STEEPER THAN 3:1, SOD SHOULD BE ANCHORED WITH PINS OR OTHER APPROVED METHODS. INSTALLED SOD SHOULD BE ROLLED OR TAMPED TO PROVIDE GOOD CONTACT BETWEEN SOD AND SOIL.
   - 2.3. IRRIGATE SOD AND SOIL TO A DEPTH OF 4" IMMEDIATELY AFTER INSTALLATION.
   - 2.4. SOD SHOULD NOT BE CUT OR SPREAD IN EXTREMELY WET OR DRY WEATHER. IRRIGATION SHOULD BE USED TO SUPPLEMENT RAINFALL FOR A MINIMUM OF 2–3 WEEKS.
3. MATERIALS–
   - 3.1. SOD SELECTED SHOULD BE CERTIFIED. SOD GROWN IN THE GENERAL AREA OF THE PROJECT IS DESIRABLE.
   - 3.2. SOD SHOULD BE MACHINE CUT AND CONTAIN ¾" (±¼") OF SOIL, NOT INCLUDING SHOOTS OR THATCH.
   - 3.3. SOD SHOULD BE CUT TO THE DESIRED SIZE WITHIN ±5%. TORN OR UNEVEN PADS SHOULD BE REJECTED.
   - 3.4. SOD SHOULD BE CUT AND INSTALLED WITHIN 36 HOURS OF DIGGING.
   - 3.5. AVOID PLANTING WHEN SUBJECT TO FROST HEAVE OR HOT WEATHER IF IRRIGATION IS NOT AVAILABLE.
   - 3.6. THE SOD TYPE SHOULD BE SHOWN ON THE PLANS OR INSTALLED ACCORDING TO TABLE 6–6.2
4. MAINTENANCE–
   - 4.1. RE–SOD AREAS WHERE AN ADEQUATE STAND OF SOD IS NOT OBTAINED. NEW SOD SHOULD BE MOWED SPARINGLY. GRASS HEIGHT SHOULD NOT BE CUT LESS THAN 2"–3" OR AS SPECIFIED (SEE FIGURE BELOW).
   - 4.2. APPLY ONE TON OF AGRICULTURAL LIME AS INDICATED BY SOIL TEST OR EVERY 4–8 YEARS. FERTILIZE GRASSES IN ACCORDANCE WITH SOIL TESTS OR TABLE 6–6.3.

CONSTRUCTION SCHEDULE

ACTIVITY	APR 2019	MAY 2019	JUN 2019	JUL 2019	AUG 2019	SEP 2019	OCT 2019	NOV 2019	DEC 2019
CLEARING & GRUBBING									
EROSION CONTROL DEVICES									
GRADING									
BUILDING CONSTRUCTION									
STORM DRAINAGE									
WATER, SEWER, UTILITIES									
PAVING									
FINE GRADING & LANDSCAPING									
TEMPORARY GRASSING AND TYPE OF GRASS	PEARL MILLET (APR–AUG) RYEGRASS, ANNUAL (SEP–MAR)								
FINAL GRASSING	SEE NOTE BELOW								

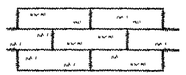
NOTE: FINAL GRASSING SHALL CONSIST OF SODDING ALL DISTURBED AREAS AFTER BUILDING CONSTRUCTION IS COMPLETED. IF ALL AREAS ARE NOT SODDED, THE FOLLOWING GRASSES SHALL BE PLANTED UNTIL PERMANENT VEGETATIVE COVER CAN BE ESTABLISHED:
BROWNTOP MILLET–JUNE THROUGH OCTOBER
UNHULLED BERMUDA–NOVEMBER THROUGH JANUARY
HULLED BERMUDA–FEBRUARY THROUGH MAY

TABLE 6–6.1 FERTILIZER REQUIREMENTS FOR SOIL SURFACE APPLICATION			
FERTILIZER TYPE	FERTILIZER RATE (LBS / ACRE)	FERTILIZER RATE (LBS / SQ FT)	SEASON
10–10–10	1000	0.25	FALL

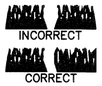
AGRICULTURAL LIME SHOULD BE APPLIED BASED ON SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.

TABLE 6–6.2 SOD PLANTING REQUIREMENTS			
GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDAGRASS	COMMON TIFWAY TIFGREEN TIFLAWN	M–L,P,C P,C P,C P,C	WARM WEATHER
BAHIAGRASS	PENSACOLA	P,C	WARM WEATHER
CENTIPEDE	–	P,C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTERBLUE RALEIGH	C	WARM WEATHER
ZOYSIA	EMERALD MYER	P,C	WARM WEATHER
TALL FESCUE	KENTUCKY	M–L,P	COOL WEATHER

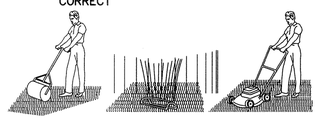
TABLE 6–6.3 FERTILIZER REQUIREMENTS FOR SOD				
TYPES OF SPECIES	PLANTING YEAR	FERTILIZER (N–P–K)	RATE (LBS/ACRE)	NITROGEN TOP DRESSING RATE (LBS/ACRE)
COOL SEASON GRASSES	FIRST SECOND MAINTENANCE	6–12–12 6–12–12 10–10–10	1500 1000 400	15–100 – 30
WARM SEASON GRASSES	FIRST SECOND MAINTENANCE	6–12–12 6–12–12 10–10–10	1500 800 400	50–100 50–100 30



LAY SOD IN A STAGGERED PATTERN. BUTT THE STRIPS TIGHTLY AGAINST EACH OTHER. DO NOT LEAVE SPACES AND DO NOT OVERLAP. A SHARPENED MASON'S TROWEL IS A HANDY TOOL FOR TUCKING DOWN THE ENDS AND TRIMMING PIECES.



ANGLED ENDS – BUTTING CAUSED BY THE AUTOMATIC SOD CUTTER MUST BE MATCHED CORRECTLY.

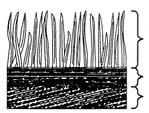


ROLL SOD IMMEDIATELY TO ACHIEVE FIRM CONTACT WITH THE SOIL.

WATER TO A DEPTH OF 4" AS NEEDED. WATER WELL AS SOON AS THE SOD IS LAID.

MOW WHEN THE SOD IS ESTABLISHED – IN 2–3 WEEKS. SET THE MOWER HIGH (2"–3").

APPEARANCE OF GOOD SOD



SHOOTS (OR GRASS BLADES) – GRASS SHOULD BE GREEN AND HEALTHY, MOWED AT A 2"–3" CUTTING HEIGHT.
THATCH– GRASS CLIPPINGS AND DEAD LEAVES, UP TO 1/2" THICK.
ROOT ZONE – SOIL AND ROOTS SHOULD BE 1/2" – 3/4" THICK, WITH DENSE ROOT MAT FOR STRENGTH.

Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

DEFINITION

THE PLANTING OF PERENNIAL VEGETATION SUCH AS TREES, SHRUBS, VINES, GRASSES, OR LEGUMES ON EXPOSED AREAS FOR FINAL PERMANENT STABILIZATION. PERMANENT PERENNIAL VEGETATION SHALL BE USED TO ACHIEVE FINAL STABILIZATION.

PURPOSE

- TO PROTECT THE SOIL FROM EROSION
- TO REDUCE DAMAGE FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS.
- TO IMPROVE WILDLIFE HABITAT AND VISUAL RESOURCES.
- TO IMPROVE AESTHETICS.

REQUIREMENT FOR REGULATORY COMPLIANCE

THIS PRACTICE SHALL BE APPLIED IMMEDIATELY TO ROUGH GRADED AREAS THAT WILL BE UNDISTURBED FOR LONGER THAN SIX MONTHS. THIS PRACTICE OR SODDING SHALL BE APPLIED TO ALL AREAS AT FINAL GRADE. FINAL STABILIZATION MEANS THAT ALL SOIL DISTURBING ACTIVITIES HAVE BEEN COMPLETED, AND THAT FOR UNPAVED AREAS AND AREAS NOT COVERED BY PERMANENT STRUCTURES, AT LEAST 70% OF THE SOIL SURFACE IS UNIFORMLY COVERED IN PERMANENT VEGETATION OR EQUIVALENT PERMANENT STABILIZATION MEASURES HAVE BEEN EMPLOYED. PERMANENT VEGETATION SHALL CONSIST OF PLANTED TREES, SHRUBS, PERENNIAL VINES, A CROP OF PERENNIAL VEGETATION APPROPRIATE FOR THE REGION, SUCH THAT WITHIN THE GROWING SEASON A 70% COVERAGE BY PERENNIAL VEGETATION SHALL BE ACHIEVED. FINAL STABILIZATION APPLIES TO EACH PHASE OF CONSTRUCTION. FOR LINEAR CONSTRUCTION PROJECTS ON LAND USED FOR AGRICULTURAL OR SILVICULTURAL PURPOSES, FINAL STABILIZATION MAY BE ACCOMPLISHED BY STABILIZING THE DISTURBED LAND FOR ITS AGRICULTURAL OR SILVICULTURAL USE. UNTIL THIS STANDARD IS SATISFIED AND PERMANENT CONTROL MEASURES AND FACILITIES ARE OPERATIONAL, INTERIM STABILIZATION MEASURES AND TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL NOT BE REMOVED.

CONDITIONS

PERMANENT PERENNIAL VEGETATION IS USED TO PROVIDE A PROTECTIVE COVER FOR EXPOSED AREAS INCLUDING CUTS, FILLS, DAMS, AND OTHER DENUDED AREAS.

CONSTRUCTION SPECIFICATIONS

1. GRADING AND SHAPING
   - 1.1. GRADING AND SHAPING MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS TO BE USED. VERTICAL BANKS SHALL BE SLOPED TO ENABLE PLANT ESTABLISHMENT.
   - 1.2. WHEN CONVENTIONAL SEEDING AND FERTILIZING ARE TO BE DONE, GRADE AND SHAPE WHERE FEASIBLE AND PRACTICAL, SO THAT EQUIPMENT CAN BE USED SAFELY AND EFFICIENTLY DURING SEEDBED PREPARATION, SEEDING, MULCHING, AND MAINTENANCE OF VEGETATION.
2. LIME AND FERTILIZER RATES AND ANALYSIS
   - 2.1. AGRICULTURAL LIME IS REQUIRED AT THE RATE OF ONE TO TWO TONS PER ACRE UNLESS SOIL TESTS INDICATE OTHERWISE. GRADED AREAS REQUIRE LIME APPLICATION. IF LIME IS APPLIED WITHIN SIX MONTHS OF PLANTING PERMANENT PERENNIAL VEGETATION, ADDITIONAL LIME IS NOT REQUIRED. AGRICULTURAL LIME SHALL BE WITHIN THE SPECIFICATIONS OF THE GEORGIA DEPARTMENT OF AGRICULTURE.
   - 2.2. LIME SPREADED BY CONVENTIONAL EQUIPMENT SHALL BE "GROUND LIMESTONE". GROUND LIMESTONE IS DOLOMITIC LIMESTONE GROUND SO THAT 90 PERCENT OF THE MATERIAL WILL PASS THROUGH A 10–MESH SIEVE, NOT LESS THAN 50 PERCENT WILL PASS THROUGH A 50–MESH SIEVE AND NOT LESS THAN 25 PERCENT WILL PASS THROUGH A 100–MESH SIEVE.
   - 2.3. AGRICULTURAL LIME SPREAD BY HYDRAULIC SEEDING EQUIPMENT SHALL BE "FINELY GROUND LIMESTONE". FINELY GROUND LIMESTONE IS DOLOMITIC LIMESTONE GROUND SO THAT 98 PERCENT OF THE MATERIAL WILL PASS THROUGH A 20–MESH SIEVE AND NOT LESS THAN 70 PERCENT WILL PASS THROUGH A 100–MESH SIEVE.
3. LIME AND FERTILIZER APPLICATION
   - 3.1. WHEN HYDRAULIC SEEDING EQUIPMENT IS USED, THE INITIAL FERTILIZER SHALL BE MIXED WITH SEED, INNOCULANT (IF NEEDED), AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH AND APPLIED IN A SLURRY. THE INNOCULANT, IF NEEDED, SHALL BE MIXED WITH THE SEED PRIOR TO BEING PLACED INTO THE HYDRAULIC SEEDER. THE SLURRY MIXTURE WILL BE SPREAD UNIFORMLY OVER THE AREA WITHIN ONE HOUR AFTER BEING PLACED IN THE HYDROSEEDER.
   - 3.2. FINELY GROUND LIMESTONE WILL BE MIXED WITH WATER AND APPLIED IMMEDIATELY AFTER MULCHING IS COMPLETED OR IN COMBINATION WITH THE TOP DRESSING.
   - 3.3. WHEN CONVENTIONAL PLANTING IS TO BE DONE, LIME AND FERTILIZER SHALL BE APPLIED UNIFORMLY IN ONE OF THE FOLLOWING WAYS:
     - 3.3.1. APPLY BEFORE LAND PREPARATION SO THAT IT WILL BE MIXED WITH THE SOIL DURING SEEDBED PREPARATION.
     - 3.3.2. MIX WITH THE SOIL USED TO FILL THE HOLES, DISTRIBUTE IN FURROWS.
     - 3.3.3. BROADCAST AFTER STEEP SURFACES ARE SCARIFIED, PITTED OR TRENCHED.
     - 3.3.4. A FERTILIZER PELLET SHALL BE PLACED AT ROOT DEPTH IN THE CLOSING HOLE BESIDE EACH PINE TREE SEEDLING.
4. PLANT SELECTION
   - 4.1. PLANTS SHALL BE SELECTED ON THE BASIS OF SPECIES CHARACTERISTICS, SITE AND SOIL CONDITIONS, PLANNED USE AND MAINTENANCE OF THE AREA; TIME OF YEAR OF PLANTING, METHOD OF PLANTING; AND THE NEEDS AND DESIRES OF THE LAND USER.
   - 4.2. SOME PERENNIAL SPECIES ARE EASILY ESTABLISHED AND CAN BE PLANTED ALONE. EXAMPLES OF THESE ARE COMMON BERMUDA AND WEEPING LOVEGRASS.
   - 4.3. OTHER PERENNIALS SUCH AS BAHIA GRASS AND SERICEA LESPEDEZA, ARE SLOW TO BECOME ESTABLISHED AND SHOULD BE PLANTED WITH ANOTHER PERENNIAL SPECIES. THE ADDITIONAL SPECIES WILL PROVIDE QUICK COVER AND AMPLE SOIL PROTECTION UNTIL THE TARGET PERENNIAL SPECIES BECOME ESTABLISHED.
   - 4.4. PLANT SELECTION MAY ALSO INCLUDE ANNUAL COMPANION CROPS. ANNUAL COMPANION CROPS SHOULD BE USED ONLY WHEN THE PERENNIAL SPECIES ARE NOT PLANTED DURING THEIR OPTIMUM PLANTING PERIOD. A COMMON MIXTURE IS BROWN TOP MILLET WITH COMMON BERMUDA IN MID–SUMMER. CARE SHOULD BE TAKEN IN SELECTING COMPANION CROP SPECIES AND SEEDING RATES BECAUSE ANNUAL CROPS WILL COMPETE WITH PERENNIAL SPECIES FOR WATER, NUTRIENT AND GROWING SPACE. A HIGH SEEDING RATE OF THE COMPANION CROP MAY PREVENT THE ESTABLISHMENT OF PERENNIAL SPECIES.
   - 4.5. RYEGRASS SHALL NOT BE USED IN ANY SEEDING MIXTURES CONTAINING PERENNIAL SPECIES DUE TO ITS ABILITY TO OUT–COMPETE DESIRED SPECIES CHOSEN FOR PERMANENT PERENNIAL COVER.
5. SEEDBED PREPARATION
   - 5.1. SEEDBED PREPARATION MAY NOT BE REQUIRED WHERE HYDRAULIC SEEDING AND FERTILIZING EQUIPMENT IS USED. WHEN CONVENTIONAL SEEDING IS TO BE USED, SEEDBED PREPARATION WILL BE DONE AS FOLLOWS FOR BROADCAST PLANTINGS:
   - 5.2. TILLAGE AT A MINIMUM, SHALL ADEQUATELY LOOSEN THE SOIL TO A DEPTH OF 4 TO 6 INCHES; ALLEVIATE COMPACTION; INCORPORATE LIME AND FERTILIZER; SMOOTH AND FIRM THE SOIL; ALLOW FOR THE PROPER PLACEMENT OF SEED, SPRIGS, OR PLANTS; AND ALLOW FOR THE ANCHORING OF STRAW OR HAY MULCH IF A DISK IS USED.
   - 5.3. TILLAGE MAY BE DONE WITH ANY SUITABLE EQUIPMENT.
   - 5.4. TILLAGE SHOULD BE DONE ON THE CONTOUR WHERE FEASIBLE.
   - 5.5. ON SLOPES TOO STEEP FOR THE SAFE OPERATION OF TILLAGE EQUIPMENT, THE SOIL SURFACE WILL BE PITTED OR TRENCHED ACROSS THE SLOPE WITH APPROPRIATE HAND TOOLS TO PROVIDE TWO PLACES 6 TO 8 INCHES APART IN WHICH SEED MAY LODGE AND GERMINATE. HYDRAULIC SEEDING MAY ALSO BE USED.
6. PLANTING
   - 6.1. HYDRAULIC SEEDING
     MIX THE SEED, INOCULANT, FERTILIZER, AND WOOD CELLULOSE OR WOOD PULP FIBER MULCH WITH WATER AND APPLY IN A SLURRY UNIFORMLY OVER THE AREA TO BE TREATED. APPLY WITHIN ONE HOUR AFTER THE MIXTURE IS MADE.
   - 6.2. CONVENTIONAL SEEDING
     SEEDING WILL BE DONE ON A FRESHLY PREPARED AND FIRMED SEEDBED. FOR BROADCAST PLANTING, USE A CULTIPACKER– SEEDER, DRILL, ROTARY SEEDER, OTHER MECHANICAL SEEDER, OR HAND SEEDING TO DISTRIBUTE THE SEED UNIFORMLY OVER THE AREA TO BE TREATED. COVER THE SEED LIGHTLY WITH ⅛ TO ¼ INCH OF SOIL FOR SMALL SEED AND ½ TO 1 INCH FOR LARGE SEED WHEN USING A CULTIPACKER OR OTHER SUITABLE EQUIPMENT.
   - 6.3. NO–TILL SEEDING
     NO–TILL SEEDING IS PERMISSIBLE INTO ANNUAL COVER CROPS WHEN PLANTING IS DONE FOLLOWING MATURITY OF THE COVER CROP OR IF THE TEMPORARY COVER STAND IS SPARSE ENOUGH TO ALLOW ADEQUATE GROWTH OF THE PERMANENT (PERENNIAL) SPECIES. THE SEED MUST BE UNIFORMLY DISTRIBUTED AND PLANTED AT THE PROPER DEPTH.
7. MULCHING
   - 7.1. MULCH IS REQUIRED FOR ALL PERMANENT VEGETATION APPLICATIONS. MULCH APPLIED TO SEEDED AREAS SHALL ACHIEVE 75% SOIL COVER. SELECT THE MULCHING MATERIAL FROM THE FOLLOWING AND APPLY AS INDICATED.
   - 7.2. DRY STRAW OR DRY HAY OF GOOD QUALITY AND FREE OF WEED SEEDS CAN BE USED. DRY STRAW SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. DRY HAY SHALL BE APPLIED AT A RATE OF 2½ TONS PER ACRE. SERICEA LESPEDEZA HAY SHALL BE APPLIED AT THE RATE OF 3 TONS PER ACRE.
   - 7.3. WOOD CELLULOSE MULCH OR WOOD PULP FIBER SHALL BE USED WITH HYDRAULIC SEEDING. IT SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. DRY STRAW OR DRY HAY SHALL BE APPLIED (AT THE RATE INDICATED ABOVE) AFTER HYDRAULIC SEEDING.
   - 7.4. ONE THOUSAND POUNDS OF WOOD CELLULOSE OR WOOD PULP FIBER, WHICH INCLUDES A TACKIFIER, SHALL BE USED WITH HYDRAULIC SEEDING ON SLOPES 3/4:1 OR STEEPER.
   - 7.5. WHEN USING TEMPORARY EROSION CONTROL BLANKETS OR BLOCK SOD, MULCH IS NOT REQUIRED.
   - 7.6. BITUMINOUS TREATED ROVING MAY BE APPLIED ON PLANTED AREAS ON SLOPES, IN DITCHES OR DRY WATERWAYS TO PREVENT EROSION. BITUMINOUS TREATED ROVING SHALL BE APPLIED WITHIN 24 HOURS AFTER AN AREA HAS BEEN PLANTED. APPLICATION RATES AND MATERIALS MUST MEET GEORGIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.
   - 7.7. WOOD CELLULOSE AND WOOD PULP FIBERS SHALL NOT CONTAIN GERMINATION OR GROWTH INHIBITING FACTORS. THEY SHALL BE EVENLY DISPERSED WHEN AGITATED IN WATER. THE FIBERS SHALL CONTAIN A DYE TO ALLOW VISUAL METERING AND AID IN UNIFORM APPLICATION DURING SEEDING.
8. MULCHING
   - 8.1. IF WATER IS APPLIED, IT MUST BE AT A RATE NOT CAUSING RUNOFF AND EROSION. THOROUGHLY WET THE SOIL TO A DEPTH THAT WILL ENSURE GERMINATION OF THE SEED.
9. USE AND MANAGEMENT
   - 9.1. MOW SERICEA LESPEDEZA ONLY AFTER FROST TO ENSURE THAT THE SEEDS ARE MATURE. MOW BETWEEN NOVEMBER AND MARCH.
   - 9.2. BERMUDAGRASS AND BAHIAGRASS MAY BE MOWED AS DESIRED. MAINTAIN AT LEAST 6 INCHES OF TOP GROWTH UNDER ANY USE AND MANAGEMENT. MODERATE USE OF TOP GROWTH IS BENEFICIAL AFTER ESTABLISHMENT.
   - 9.3. EXCLUDE TRAFFIC UNTIL THE PLANTS ARE WELL ESTABLISHED.

SEEDING RATES FOR PERMANENT VEGETATION

SPECIES	ALONE		WITH OTHER PERENNIALS		PLANTING DATES **
	RATE PER 1,000 SQ.FT.	RATE PER ACRE *	RATE PER 1,000 SQ.FT.	RATE PER ACRE *	COASTAL AREA
Pensacola Bahia	1.4 lbs.	60 lbs.	0.7 lbs.	30 lbs.	1/1–12/31
Common Bermuda (Hulled seed)	0.2 lbs.	10 lbs.	0.7 lbs.	8 lbs.	2/14–8/30
Common Bermuda (Unhulled seed)	0.2 lbs.	10 lbs.	0.1 lbs.	6 lbs.	11/1–1/31
Sericea Lespedeza (scarified)	1.4 lbs.	60 lbs.	1.4 lbs.	60 lbs.	2/14–8/15
Sericea Lespedeza (unscarified)	1.7 lbs.	75 lbs.	1.7 lbs.	75 lbs.	1/1–12/31
Lespedeza (scarified)	1.4 lbs.	60 lbs.	1.4 lbs.	60 lbs.	2/14–5/31
Weeping Lovegrass****	0.1 lbs.	4 lbs.	0.05 lbs.	2 lbs.	2/1–6/15
Pensgrass, Atlantic Coastal	0.5 lbs.	20.0 lbs.	0.5 lbs.	20.0 lbs.	2/1–4/30
Sunflower 'Aztec'	0.2 lbs.	10 lbs.	0.2 lbs.	10 lbs.	4/1–5/31

* UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES.
** SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND CONDITIONS.
*** PLANT WITH TEMPORARY COVER SUCH AS WINTER ANNUALS.
**** DROUGHT TOLERANT. GROWS WELL WITH SERICEA LESPEDEZA ON ROADBANKS.

FERTILIZER REQUIREMENTS

SPECIES	YEAR	ANALYSIS OR EQUIVALENT N–P–K	RATE	N TOP DRESSING RATE
Cool season grasses	First	6–12–12	1500 lbs/ac.	50–100 lbs/ac.1/2/
	Second	6–12–12	1000 lbs/ac.	–
	Maintenance	10–10–10	400 lbs/ac.	30 lbs/ac.
Cool season grasses and legumes	First	6–12–12	1500 lbs/ac.	0–50 lbs/ac.1/
	Second	0–10–10	1000 lbs/ac.	–
	Maintenance	0–10–10	400 lbs/ac.	–
Warm season grasses	First	6–12–12	1500 lbs/ac.	50–100 lbs/ac.2/3/
	Second	6–12–12	800 lbs/ac.	50–100 lbs/ac.2/
	Maintenance	10–10–10	400 lbs/ac.	30 lbs/ac.
Warm season grasses and legumes	First	6–12–12	1500 lbs/ac.	50 lbs/ac. 3/
	Second	0–10–10	1000 lbs/ac.	–
	Maintenance	0–10–10	400 lbs/ac.	–

1/ APPLY IN SPRING FOLLOWING SEEDING.
2/ APPLY IN SPLIT APPLICATIONS WHEN HIGH RATES ARE USED.
3/ APPLY WHEN PLANTS GROW TO A HEIGHT OF 2 TO 4 INCHES.

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NEW OFFICE BUILDING

SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

SCALE:	N.T.S.
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34387 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

ESPC DETAILS (1 OF 3)

C-11

11 OF 15 SHEETS

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Du DUST CONTROL ON DISTURBED AREAS

DEFINITION

CONTROLLING SURFACE AND AIR MOVEMENT OF DUST ON CONSTRUCTION SITES, ROADS AND DEMOLITION SITES.

PURPOSE

TO PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES AND REDUCE THE PRESENCE OF AIRBORNE SUBSTANCES WHICH MAY BE HARMFUL OR INJURIOUS TO HUMAN HEALTH, WELFARE, OR SAFETY, OR TO ANIMALS OR PLANT LIFE.

CONDITIONS

THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO SURFACE AND AIR MOVEMENT OF DUST WHERE ON AND OFF-SITE DAMAGE MAY OCCUR WITHOUT TREATMENT.

METHODS AND MATERIALS

A. TEMPORARY METHODS

MULCHES: SEE STANDARD DS1 – DISTURBED AREA STABILIZATION (WITH MULCHING ONLY) IN THE MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA, CURRENT EDITION. SYNTHETIC RESINS MAY BE USED INSTEAD OF ASPHALT TO BIND MULCH MATERIAL. TACKIFIERS, BINDERS, AND RESINS SUCH AS CURASOL OR TERRATACK SHOULD BE USED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.

VEGETATIVE COVER: SEE STANDARD DS2 – DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING).

SPRAY-ON ADHESIVES: THESE ARE USED ON MINERAL SOILS (NOT EFFECTIVE ON MUCK SOILS). KEEP TRAFFIC OFF THESE AREAS.

TILLAGE: THIS PRACTICE IS DESIGNED TO ROUGHEN AND BRING CLODS TO THE SURFACE. IT IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE WIND EROSION STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12 INCHES APART, SPRING-TOOTHED HARROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.

IRRIGATION: THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS WET. REPEAT AS NEEDED.

BARRIERS: SOLID BOARD FENCES, SNOWFENCES, BURLAP FENCES, CRATE WALL, BALES OF HAY AND SIMILAR MATERIALS CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 15 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING WIND EROSION.

B. PERMANENT METHODS

PERMANENT VEGETATION: SEE STANDARD DS3 – DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION). EXISTING TREES AND LARGE SHRUBS MAY AFFORD VALUABLE PROTECTION IF LEFT IN PLACE.

TOPSOILING: THIS ENTAILS COVERING THE SURFACE WITH LESS EROSIVE SOIL MATERIAL.

STONE: COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

ADHESIVE	WATER DILUTION	TYPE OF NOZZLE	APPLICATION RATE (Gallons/Acre)
ANIONIC ASPHALT EMULSION	7:1	COARSE SPRAY	1,200
LATEX EMULSION	12.5:1	FINE SPRAY	235
RESIN-IN-WATER EMULSION	4:1	FINE SPRAY	300

Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDING)

DEFINITION

THE ESTABLISHMENT OF TEMPORARY VEGETATIVE COVER WITH FAST GROWING SEEDLINGS FOR SEASONAL PROTECTION ON DISTURBED OR DENUDED AREAS.

PURPOSE

- TO REDUCE RUNOFF AND SEDIMENT DAMAGE OF DOWNSTREAM RESOURCES
- TO PROTECT THE SOIL SURFACE FROM EROSION
- TO IMPROVE WILDLIFE HABITAT
- TO IMPROVE AESTHETICS
- TO IMPROVE TILTH, INFILTRATION AND AERATION AS WELL AS ORGANIC MATTER FOR PERMANENT PLANTINGS.

CONDITIONS

THIS PRACTICE IS APPLICABLE ON AREAS SUBJECT TO EROSION FOR UP TO SIX MONTHS OR UNTIL THE ESTABLISHMENT OF FINISHED GRADE OR PERMANENT VEGETATIVE COVER. TEMPORARY VEGETATIVE MEASURES SHOULD BE COORDINATED WITH PERMANENT MEASURES TO ASSURE ECONOMICAL AND EFFECTIVE STABILIZATION.

SPECIFICATIONS

1. GRADING AND SHAPING
   - 1.1. EXCESSIVE WATER RUN-OFF MUST BE CONTROLLED BY PLANNED AND INSTALLED EROSION CONTROL PRACTICE SUCH AS CLOSED DRAINS, DITCHES, DIKES, DIVERSIONS, SEDIMENT BASINS AND OTHERS.
   - 1.2. NO SHAPING OR GRADING IS REQUIRED IF SLOPES CAN BE STABILIZED BY HAND-SEEDED VEGETATION OR IF HYDRAULIC SEEDING EQUIPMENT IS TO BE USED.
2. SEEDBED PREPARATION
   - 2.1. WHEN A HYDRAULIC SEEDER IS USED, SEEDBED PREPARATION IS NOT REQUIRED.
   - 2.2. WHEN USING CONVENTIONAL OR HAND-SEEDING, SEEDBED PREPARATION IS NOT REQUIRED IF THE SOIL MATERIAL IS LOOSE AND NOT SEALED BY RAIN.
   - 2.3. WHEN SOIL HAS BEEN SEALED BY RAINFALL OR CONSISTS OF SMOOTH UNDISTURBED CUT SLOPES, THE SOIL SHALL BE PITTED, TRENCHED OR OTHERWISE SCARIFIED TO PROVIDE A PLACE FOR SEED TO LODGE AND GERMINATE.
3. LIME AND FERTILIZER
   - 3.1. AGRICULTURAL LIME IS REQUIRED UNLESS SOIL TESTS INDICATE OTHERWISE. APPLY AGRICULTURAL LIME AT A RATE OF ONE TON PER ACRE. GRADED AREAS REQUIRE LIME APPLICATION.
   - 3.2. SOILS CAN BE TESTED TO DETERMINE IF FERTILIZER IS NEEDED. ON REASONABLY FERTILE SOILS OR SOIL MATERIAL, FERTILIZER IS NOT REQUIRED.
   - 3.3. ON SOILS OF VERY LOW FERTILITY, USE 500 TO 700 POUNDS OF 10-10-10 FERTILIZER OR THE EQUIVALENT PER ACRE (12-16 LBS./1,000SQ.FT.). IF THE SITE WILL PERMIT, APPLY BEFORE LAND PREPARATION AND DISK, RIP OR CHISEL TO INCORPORATE.
4. SEEDING SELECT A GRASS OR GRASS-LEGUME MIXTURE SUITABLE TO THE AREA AND SEASON OF THE YEAR.
5. IRRIGATION
   - 5.1. DURING TIMES OF DROUGHT, WATER SHALL BE APPLIED AT A RATE NOT CAUSING RUNOFF AND EROSION.
   - 5.2. THE SOIL SHALL BE THOROUGHLY WETTED TO A DEPTH THAT WILL ENSURE GERMINATION OF THE SEED.
   - 5.3. SUBSEQUENT APPLICATIONS SHOULD BE MADE WHEN NEEDED.

SEEDING RATES FOR TEMPORARY SEEDING

SPECIES	ALONE		IN MIXTURE		PLANTING DATES **
	RATE PER 1,000 SQ.FT.	RATE PER ACRE *	RATE PER 1,000 SQ.FT.	RATE PER ACRE *	COASTAL AREA
Barley	3.3 lbs.	3 bushels	0.6 lbs.	1/2 bushel	9/1-12/31
Annual Lespedeza	0.9 lbs.	40 lbs.	0.2 lbs.	10 lbs.	1/15-3/15
Weeping Lovegrass	0.1 lbs.	4 lbs.	0.05 lbs.	2 lbs.	2/14-6/15
Browntop Millet	0.9 lbs.	40 lbs.	0.2 lbs.	10 lbs.	4/1-7/15
Pearl Millet	1.1 lbs.	50 lbs.	NOT RECOMMENDED FOR MIXTURES		4/1-8/31
Oats	2.9 lbs.	4 bushels	0.7 lbs.	1 bushel	9/1-11/30
Rye	3.9 lbs.	3 bushels	0.6 lbs.	1/2 bushel	9/1-2/28
Ryegrass	0.9 lbs.	40 lbs.	NOT TO BE USED IN MIXTURES		8/15-3/31
Sudangrass	1.4 lbs.	60 lbs.	NOT RECOMMENDED FOR MIXTURES		3/1-7/31
Triticale	3.3 lbs.	3 bushels	0.6 lbs.	1/2 bushel	1/1-1/31, 9/15-10/15, 12/15-12/31
Wheat	4.1 lbs.	3 bushels	0.7 lbs.	1/2 bushel	10/15-1/31

* UNUSUAL SITE CONDITIONS MAY REQUIRE HEAVIER SEEDING RATES
** SEEDING DATES MAY NEED TO BE ALTERED TO FIT TEMPERATURE VARIATIONS AND CONDITIONS.

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NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16 OF THE 11TH & 12TH LAND DISTRICT CITY OF VALDOSTA STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

SCALE: N.T.S.
DESIGNED BY: BTO
CHECKED BY: MCM
SUBMITTAL DATE: 03/22/19
JOB NO. 0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN
3/22/19

GSWCC LEVEL II CERT. #49262

ESPC DETAILS (2 OF 3)

C-12

12 OF 15 SHEETS

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Sd2-F FABRIC INLET PROTECTION

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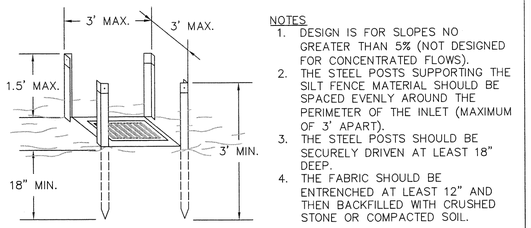
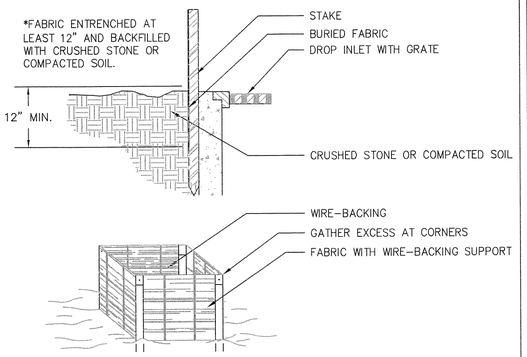


NOTES
1. DESIGN IS FOR SLOPES NO GREATER THAN 5% (NOT DESIGNED FOR CONCENTRATED FLOWS).
2. THE STEEL POSTS SUPPORTING THE SILT FENCE MATERIAL SHOULD BE SPACED EVENLY AROUND THE PERIMETER OF THE INLET (MAXIMUM OF 3' APART).
3. THE STEEL POSTS SHOULD BE SECURELY DRIVEN AT LEAST 18" DEEP.
4. THE FABRIC SHOULD BE ENTRENCHED AT LEAST 12" AND THEN BACKFILLED WITH CRUSHED STONE OR COMPACTED SOIL.



CONCRETE TRUCK WASHDOWN

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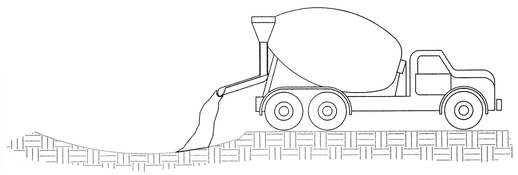


NOTE:

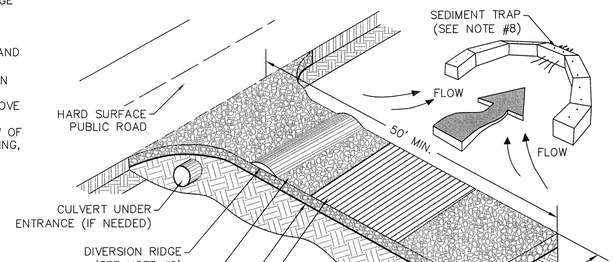
1. ADVISE CONCRETE TRUCK DRIVERS OF THE DESIGNATED WASH-OUT AREAS BEFORE THEY START THE JOB.
2. EXCAVATE PIT LARGE ENOUGH TO CONTAIN WASHDOWN WATER. THIS MUST BE AWAY FROM STORM DRAINS AND WATERWAYS.
3. WASHDOWN CHUTE, HOPPER, AND REAR OF VEHICLE ONLY. DO NOT WASH OUT DRUM.
4. ENSURE THAT ALL WASHDOWN WATER STAYS IN PIT.
5. DISPOSE OF SETTLED, HARDENED CONCRETE IN GARBAGE WITH OTHER CONSTRUCTION DEBRIS.
6. NEVER DISPOSE OF WASHDOWN WATER IN STREETS, STORM DRAINS, OR STREAMS.

Co CONSTRUCTION EXIT

N.T.S.

NOTES:
1. AVOID LOCATING ON STEEP SLOPES OR AT CURVES ON PUBLIC ROADS.
2. REMOVE ALL VEGETATION AND OTHER UNSUITABLE MATERIAL FROM THE FOUNDATION AREA, GRADE, AND CROWN FOR POSITIVE DRAINAGE.
3. AGGREGATE SIZE SHALL BE IN ACCORDANCE WITH NATIONAL STONE ASSOCIATION R-2 (1.5"-3.5" STONE).
4. GRAVEL PAD SHALL HAVE A MINIMUM THICKNESS OF 6".
5. PAD WIDTH SHALL BE EQUAL FULL WIDTH AT ALL POINTS OF VEHICULAR EGRESS, BUT NO LESS THAN 20'.
6. A DIVERSION RIDGE SHOULD BE CONSTRUCTED WHEN GRADE TOWARD PAVED AREA IS GREATER THAN 2%..
7. INSTALL PIPE UNDER THE ENTRANCE IF NEEDED TO MAINTAIN DRAINAGE DITCHES.
8. WHEN WASHING IS REQUIRED, IT SHOULD BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN (DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM THE ENTRANCE TO A SEDIMENT CONTROL DEVICE).
9. WASHRACKS AND/OR TIRE WASHERS MAY BE REQUIRED DEPENDING ON SCALE AND CIRCUMSTANCE. IF NECESSARY, WASHRACK DESIGN MAY CONSIST OF ANY MATERIAL SUITABLE FOR TRUCK TRAFFIC THAT REMOVE MUD AND DIRT.
10. MAINTAIN AREA IN A WAY THAT PREVENTS TRACKING AND/OR FLOW OF MUD ONTO PUBLIC RIGHTS-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.

EXIT DIAGRAM



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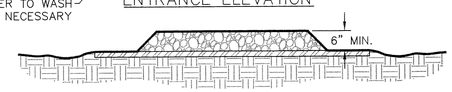

Cd-Hb CHECKDAM W/ HAYBALES

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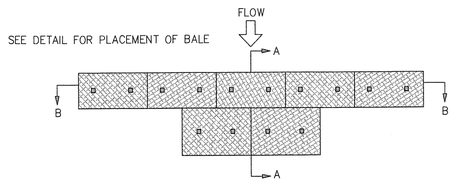
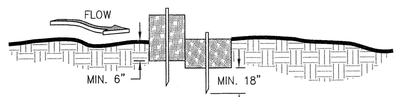
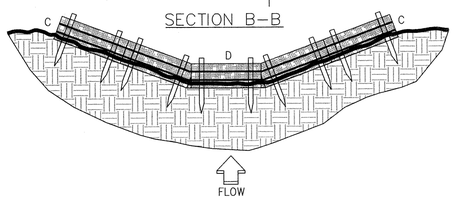
PLAN



SECTION A-A



SECTION B-B

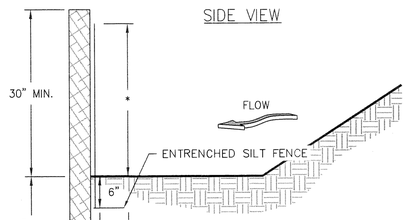


NOTES:
1. BALES SHOULD BE BOUND WITH WIRE OR NYLON STRING AND SHOULD BE PLACED IN ROWS WITH BALE ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
2. BALES SHOULD BE STAKED TO THE SPECIFIED DEPTH USING #4 REBAR.
3. REMOVE #4 REBAR AFTER STRAW BALES ARE NO LONGER IN PLACE.
4. POINT C OF SECTION B-B SHOULD ALWAYS BE HIGHER THAN POINT D.
5. CHECK DAMS SHALL BE REMOVED ONCE FINAL STABILIZATION HAS OCCURED.
6. AFTER REMOVAL, THE AREA BENEATH THE DAM SHALL BE SEEDED AND MULCHED IMMEDIATELY.

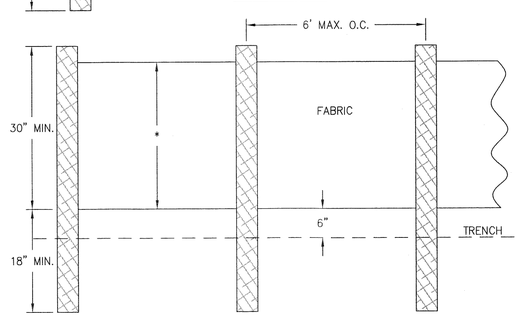
Sd1-NS SEDIMENT BARRIER - NON-SENSITIVE

N.T.S.

SIDE VIEW



FRONT VIEW

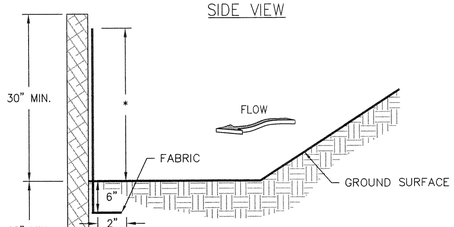


NOTES:
1. USE 1.5" X 1.5" OAK POSTS, 3" DIAMETER SOFTWOOD DOWELS, 2" X 4" SOFTWOOD BOARDS, OR 1.15 LB/FT (MIN.) STEEL POSTS
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.

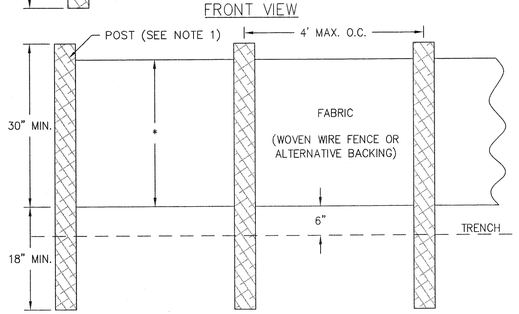
Sd1-S SEDIMENT BARRIER - SENSITIVE

N.T.S.

SIDE VIEW



FRONT VIEW

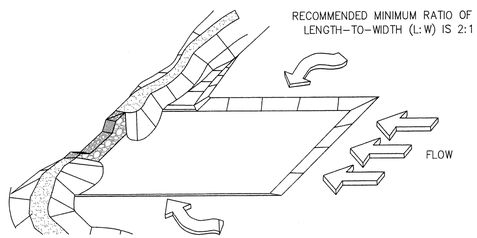


NOTES:
1. USE 2" X 2" OAK POSTS OR 1.15 LB/FT STEEL POSTS
2. HEIGHT (*) IS TO BE SHOWN ON THE EROSION, SEDIMENTATION, AND POLLUTION CONTROL PLAN.
3. 2 ROWS OF TYPE S SHALL BE PLACED A MINIMUM OF 36" APART.

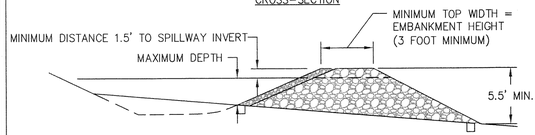
Sd4 TEMPORARY SEDIMENT TRAP

N.T.S. COURTESY OF CITY OF KNOXVILLE BMP EROSION AND SEDIMENT

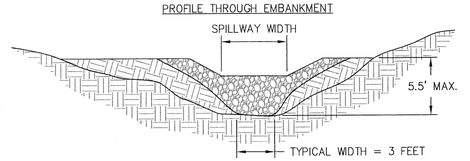
ROCK OUTLET



CROSS-SECTION



PROFILE THROUGH EMBANKMENT



LEA
CIVIL ▪ AGRICULTURAL ▪ ENVIRONMENTAL
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Fax: 229-253-1842
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NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

SCALE:	N.T.S.
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34167 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

ESPC DETAILS (3 OF 3)

C-13

13 OF 15 SHEETS

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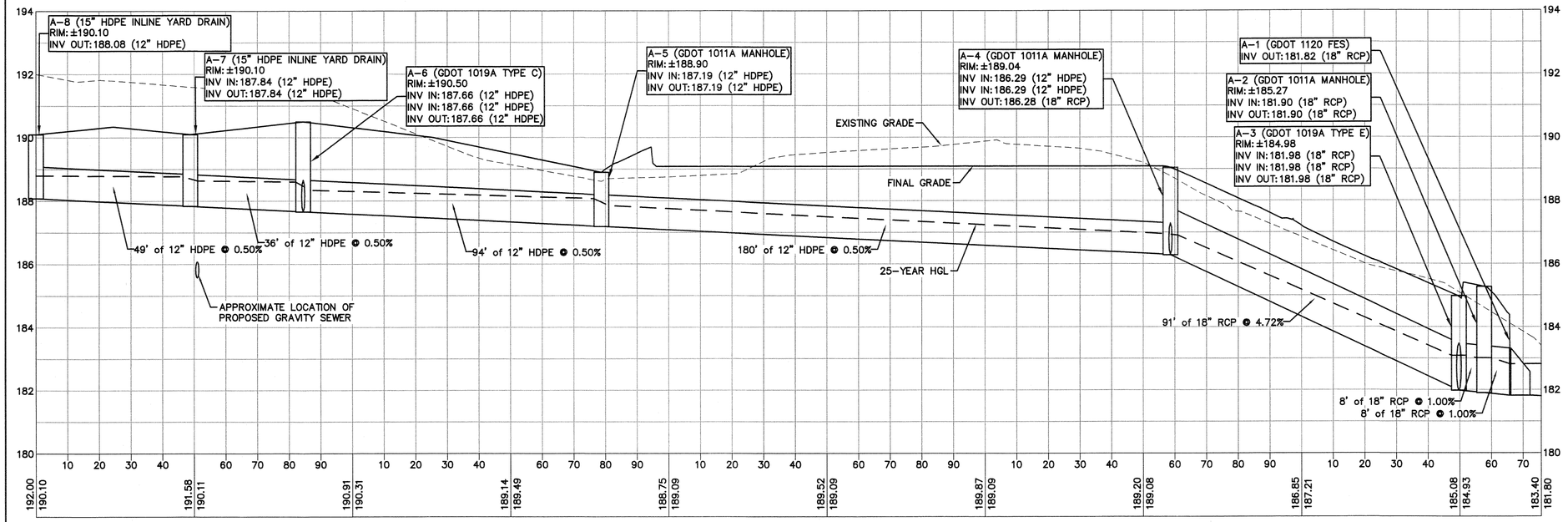
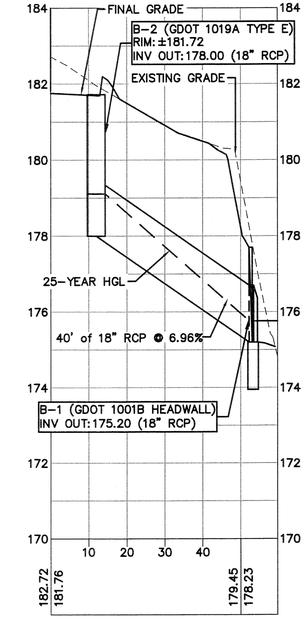
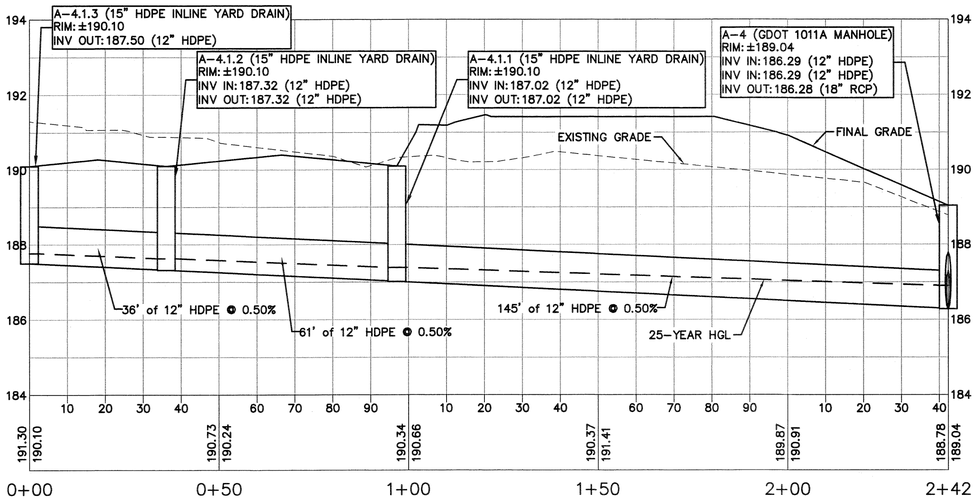


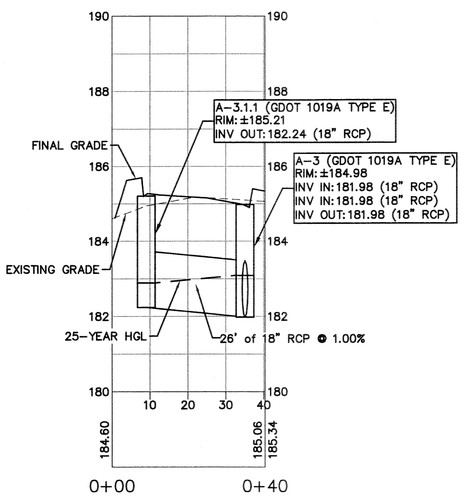
STORM A-1 PROFILE



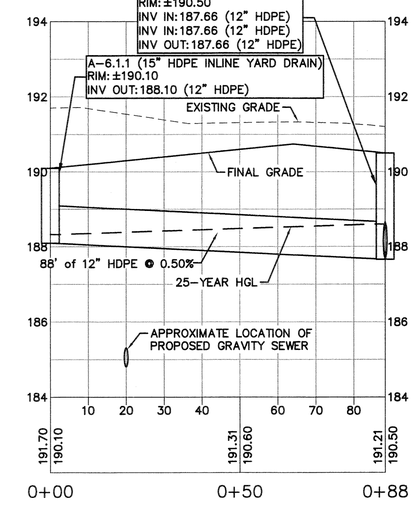
STORM B-1 PROFILE



STORM A-4 PROFILE



STORM A-3 PROFILE



STORM A-6 PROFILE

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NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 INCH = 20 FEET (HOR)
1 INCH = 2 FEET (VERT)

SCALE:	1"=20'
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34187 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 3/22/19

GSWCC LEVEL II CERT. #49262

STORM PROFILES

C-14

14 OF 15 SHEETS

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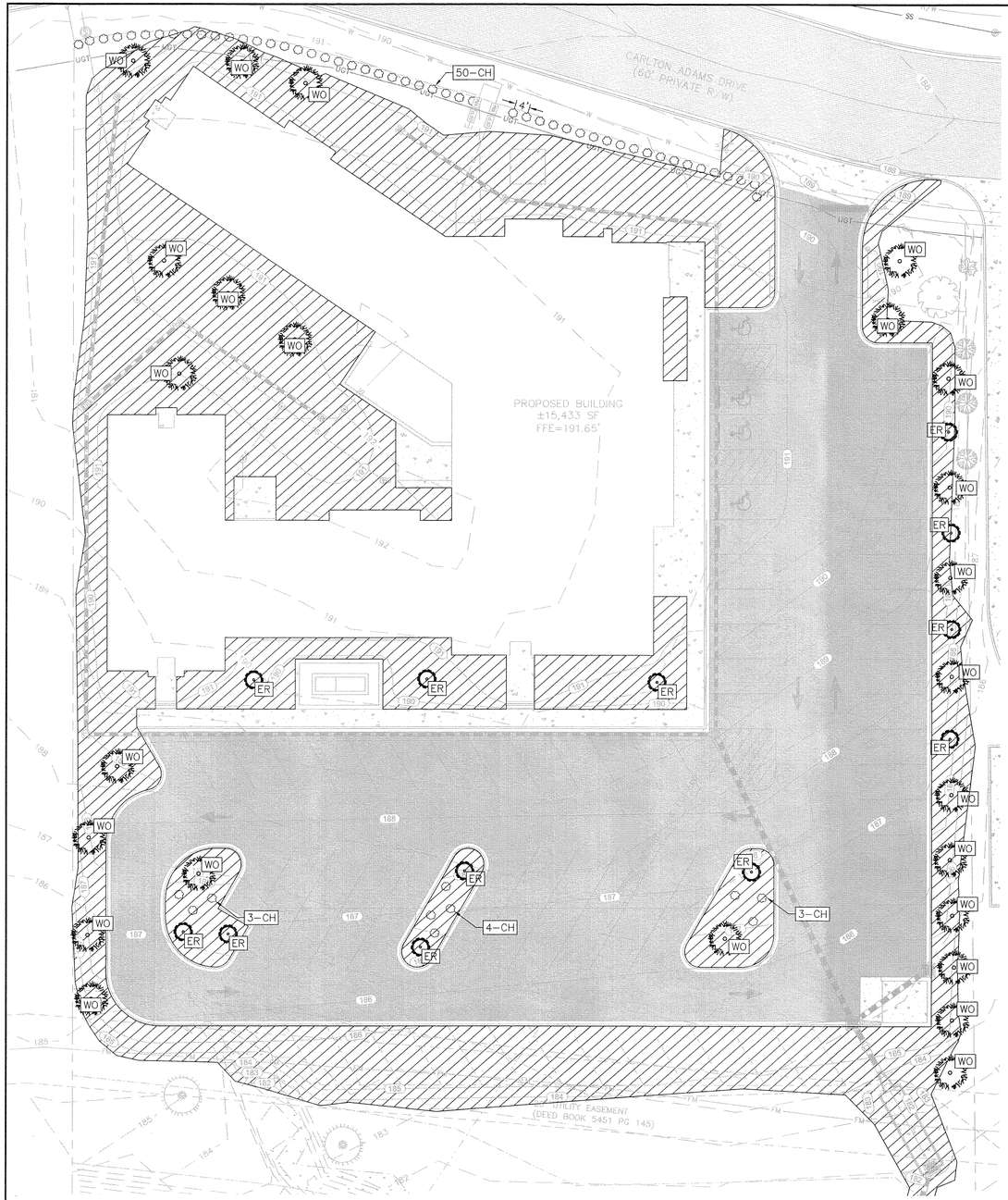


TREE & SHRUB LIST

SYMBOL	NAME	SPECIES	HEIGHT/WIDTH	REMARKS	TOTAL
WO	WILLOW OAK	*Quercus phellos*	8–10'	MIN. 4" CAL STRAIGHT LEADER	25
ER	EASTERN REBUD	*Cercis canadensis*	8–10'	MIN. 2" CAL STRAIGHT LEADER MIN. 25 GAL	13
CH	"CARISSA" HOLLY	*Ilex cornuta 'Carissa'*	18"–24"/15"–18"	FULL IN CONTAINER 3 GALLON	59
SOD	CENTIPEDE	*Eremochloa ophiuroides*		GEORGIA CERTIFIED; WEED FREE	23,750 SF

PLANTING NOTES:

1. THE LANDSCAPE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION WITH THE APPROPRIATE UTILITY COMPANY AND SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
2. ALL EXISTING WEEDS SHALL BE ERADICATED FROM PLANTING AND MULCH BEDS BY THE LANDSCAPE CONTRACTOR PRIOR TO INSTALLATION OF MULCH.
3. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINE GRADING OF ALL PLANTING AREAS.
4. ALL PLANTING AREAS SHALL BE FERTILIZED WITH 12#/1000 SF OF 10–10–10 FERTILIZER.
5. ALL PLANTING BEDS SHALL HAVE A MINIMUM OF 3" DEPTH OF PINE STRAW MULCH. ALL PLANTING BEDS SHALL BE MACHINE–EDGED TO 3" WIDTH AND DEPTH.
6. THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE OWNER WITH WRITTEN INSTRUCTIONS ON THE PROPER CARE OF ALL SPECIFIED PLANT MATERIALS PRIOR TO FINAL PAYMENT.
7. ALL DECIDUOUS PROPOSED TREES SHALL BE PRUNED TO PROVIDE 4 FEET OF MINIMUM CLEAR TRUNK UNLESS OTHERWISE SPECIFIED.
8. ALL PLANTING BEDS AND LAWN AREAS ARE TO HAVE PRE–EMERGENT HERBICIDES APPLIED PER MANUFACTURERS' RATES.
9. MINIMUM PLANTING AREA FOR TREES IS 100 SQ. FT FOR EACH TREE.
10. ALL DISTURBED AREAS SHALL BE SODDED.
11. LANDSCAPE CONTRACTOR MAY SUBSTITUTE TREES AND SHRUBS FOR ALTERNATE SPECIES IF APPROVED BY CITY OF VALDOSTA ARBORIST.

TREE COUNT CALCULATIONS:

TOTAL REQUIRED CANOPY TREE PLANTINGS FOR VEHICULAR USE AREA + YARD PLANTINGS: 20 TREES
TOTAL REQUIRED TREE REPLACEMENT TREES: 20 TREES
TOTAL TREE REPLACEMENT PLANTINGS: 20 TREES
TOTAL TREE PLANTINGS AT 2.5 IN. CALIPER: 40 TREES

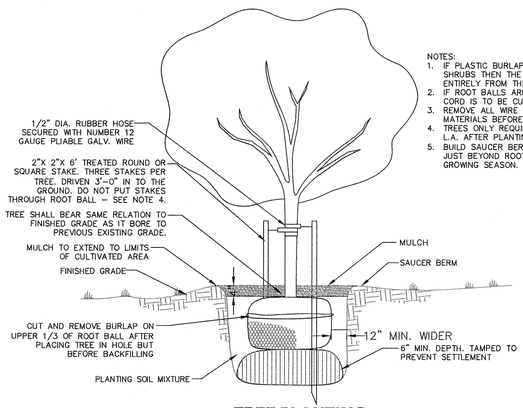
TOTAL TREE PLANTINGS AT 4 IN. CALIPER
= (40 TREE * 2.5 IN.) / 4 IN.
= 100 TREE IN. / 4 IN.
= 25 TREES

LANDSCAPE TABULATIONS

TOTAL SQ. FT. (VEHICULAR USE AREA)	24,962 SF		TOTAL LINEAR FEET (PRIMARY STREET YARD)	N/A	
# TREES REQUIRED (1 EVERY 2,100 SF)	UNDERSTORY: 5	CANOPY: 7	# TREES REQUIRED (3 EVERY 75 FT)	UNDERSTORY: N/A	CANOPY: N/A
# SHRUBS REQUIRED (5 EVERY 2,100 SF)	59		# SHRUBS REQUIRED (20 EVERY 75 FT)	N/A	
TOTAL LINEAR FEET (SECONDARY STREET YARD)	N/A		TOTAL LINEAR FEET (SIDE & REAR YARD)	1,050 LF	
# TREES REQUIRED (2 EVERY 75 FT)	CANOPY: N/A		# TREES REQUIRED (1 EVERY 50 FT)	UNDERSTORY: 8	CANOPY: 13
# SHRUBS REQUIRED (20 EVERY 75 FT)	N/A		# SHRUBS REQUIRED	N/A	

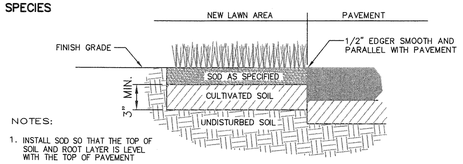
ADDITIONAL NOTES:

1. 20 TREE REPLACEMENT CREDITS ACCOUNTED FOR BY INCREASING MINIMUM CALIPER WIDTH OF WILLOW OAK TREES FROM 2.5 INCHES TO 4 INCHES.



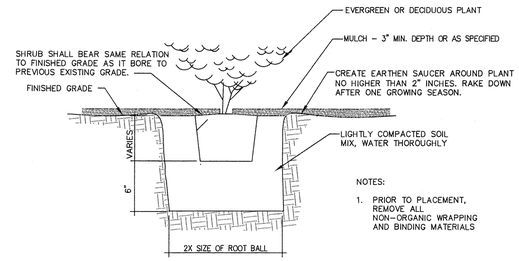
NOTES:
1. IF PLASTIC BURLAP IS USED ON B & B TREES AND SHRUBS THEN THE BURLAP IS TO BE REMOVED ENTIRELY FROM THE ROOT BALL.
2. IF ROOT BALLS ARE TIED WITH NYLON CORD. THEN THE CORD IS TO BE CUT AND REMOVED.
3. REMOVE ALL WIRE BASKETS OR NON–BIODEGRADABLE MATERIALS BEFORE PLANTING.
4. TREES ONLY REQUIRED TO BE STAKED AS DIRECTED BY L.A. AFTER PLANTING.
5. BUILD SAUCER BERM NO HIGHER THAN 3" AND PLACE JUST BEYOND ROOT BALL. DESTROY AFTER ONE GROWING SEASON.

TREE PLANTING
N.T.S



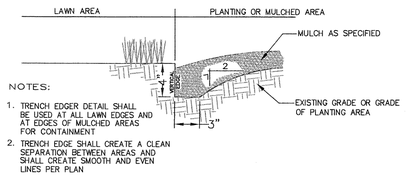
NOTES:
1. INSTALL SOD SO THAT THE TOP OF SOIL AND ROOT LAYER IS LEVEL WITH THE TOP OF PAVEMENT

SODDING
N.T.S



NOTES:
1. PRIOR TO PLACEMENT, REMOVE ALL NON–ORGANIC WRAPPING AND BINDING MATERIALS

SHRUB PLANTING
N.T.S



NOTES:
1. TRENCH EDGER DETAIL SHALL BE USED AT ALL LAWN EDGES AND AT EDGES OF MULCHED AREAS FOR CONTAINMENT
2. TRENCH EDGE SHALL CREATE A CLEAN SEPARATION BETWEEN AREAS AND SHALL CREATE SMOOTH AND EVEN LINES PER PLAN

TRENCH EDGING
N.T.S

CIVIL ▪ AGRICULTURAL ▪ ENVIRONMENTAL
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Fax: 229-253-1842
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NEW OFFICE BUILDING

sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

LAND LOT 16
OF THE
11TH & 12TH LAND DISTRICT
CITY OF VALDOSTA
STATE OF GEORGIA

REVISIONS	
DATE	DESCRIPTION

GRAPHIC SCALE
0 10 20 40
(IN FEET)
1 INCH = 20 FEET

NORTH

SCALE:	1"=20'
DESIGNED BY:	BTO
CHECKED BY:	MCM
SUBMITTAL DATE:	03/22/19
JOB NO.	0826-01

GEORGIA REGISTERED No. 34183 PROFESSIONAL ENGINEER MICHAEL CLAYTON MILLIGAN 4/3/19

GSWCC LEVEL II CERT. #49262

LANDSCAPE PLAN

L-1

15 OF 15 SHEETS

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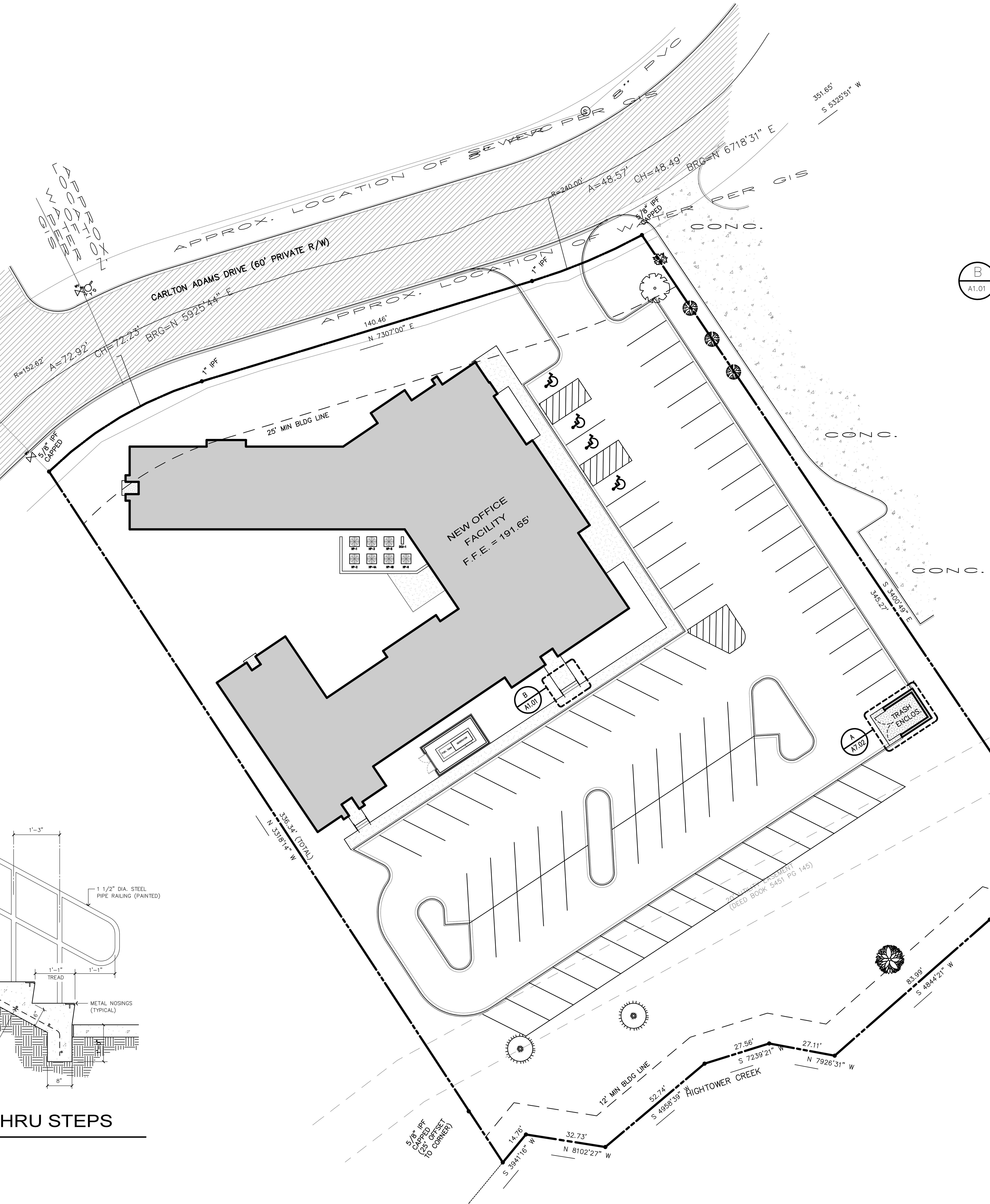
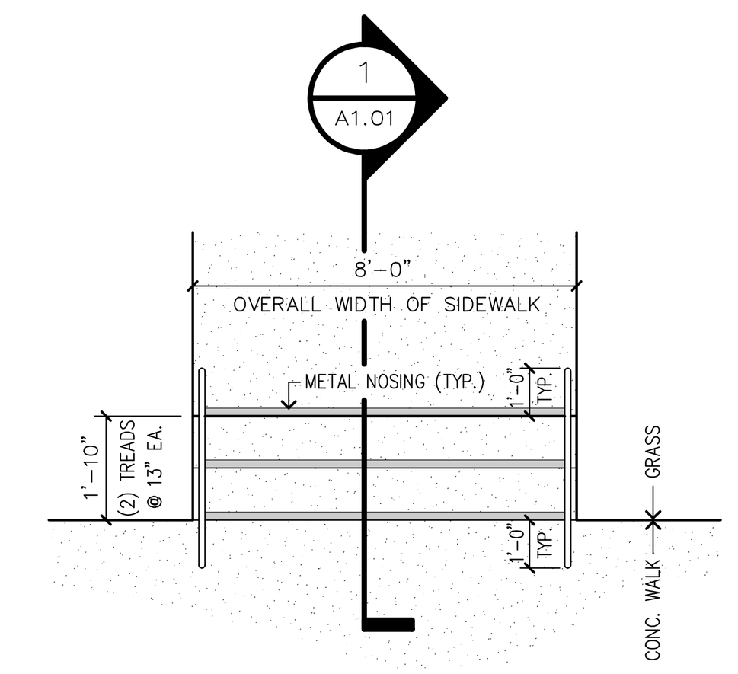


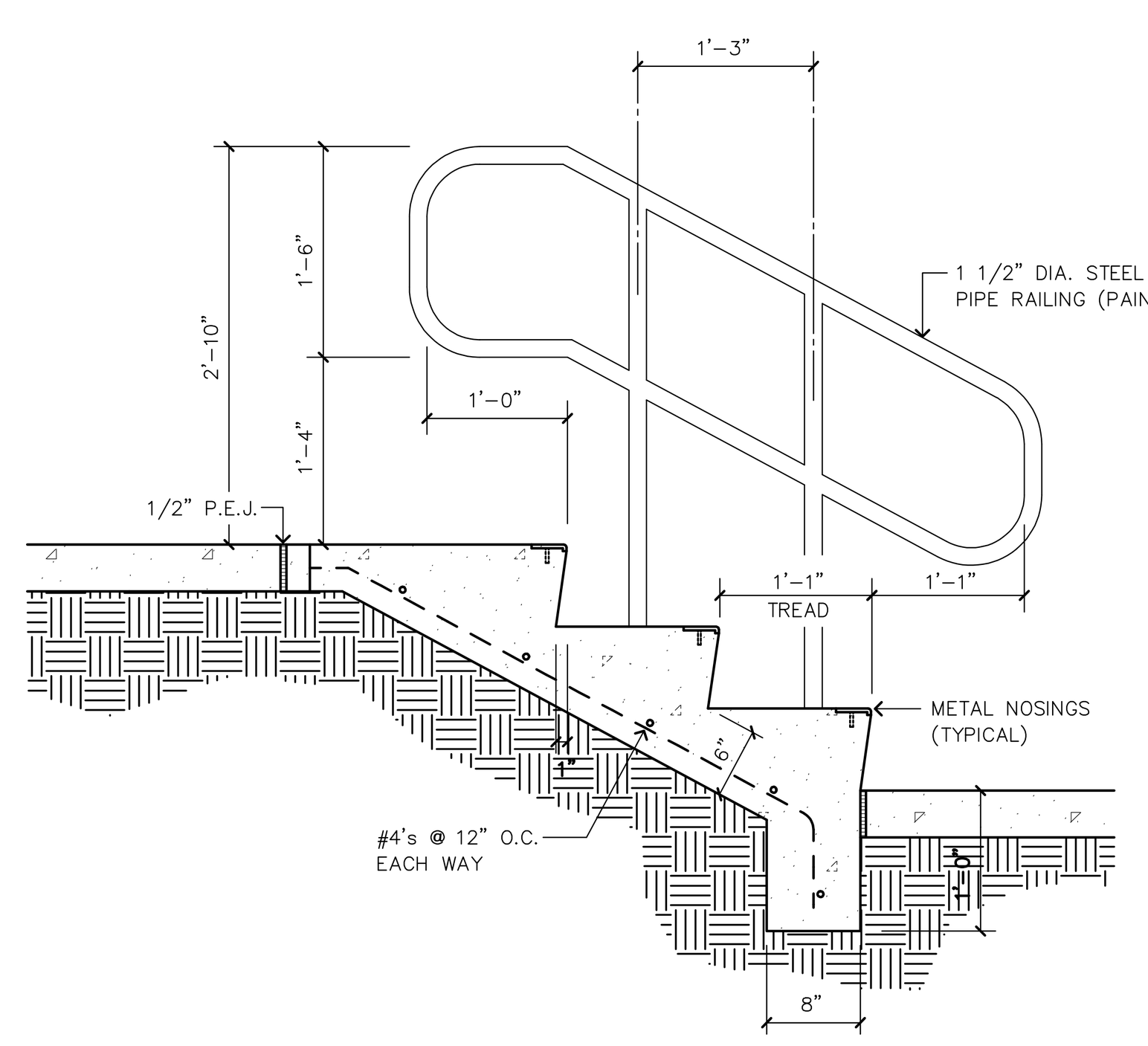
A — ARCHITECTURAL SITE PLAN (A1.01)

SCALE : 1" = 20'-0"



B — ENLARGED STEPS PLAN (A1.01)

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



1 — SECTION THRU STEPS (A1.01)

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

ARCHITECTURAL SITE PLAN NOTES :

1. REFER TO CIVIL DRAWINGS FOR ALL SITE RELATED ITEMS, INCLUDING ANY REQUIREMENTS FOR LANDSCAPING..
2. PROVIDE METAL NOSINGS AT EACH TREAD OF EXTERIOR CONCRETE STEPS. METAL NOSINGS TO EXTEND FULL LENGTH OF CLEAR STEP SURFACE. NOSINGS TO 3" FROM EACH EDGE OF TREAD.
3. PROVIDE 1 1/2" DIAMETER, STEEL PIPE HANDRAILS AT EACH EXTERIOR STEP. SEE DETAILS ON THIS SHEET.
4. CONTRACTOR RESPONSIBLE FOR PROVIDING AND MAINTAINING PROJECT SIGN THROUGHOUT ENTIRE LENGTH OF CONSTRUCTION. GRAPHICS AND IMAGES WILL BE PROVIDED BY ARCHITECT.

   A. OVERALL SIGANGE SIZE: 4'x8'

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era
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VALDOSTA, GEORGIA 31604
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FAX (229) 245-1990

SOUTHERN GEORGIA REGIONAL COMMISSION

STATE OF GEORGIA — STEPHEN J. HART — CERTIFICATE NO RA012350 — REGISTERED ARCHITECT

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: 1" = 20'-0"

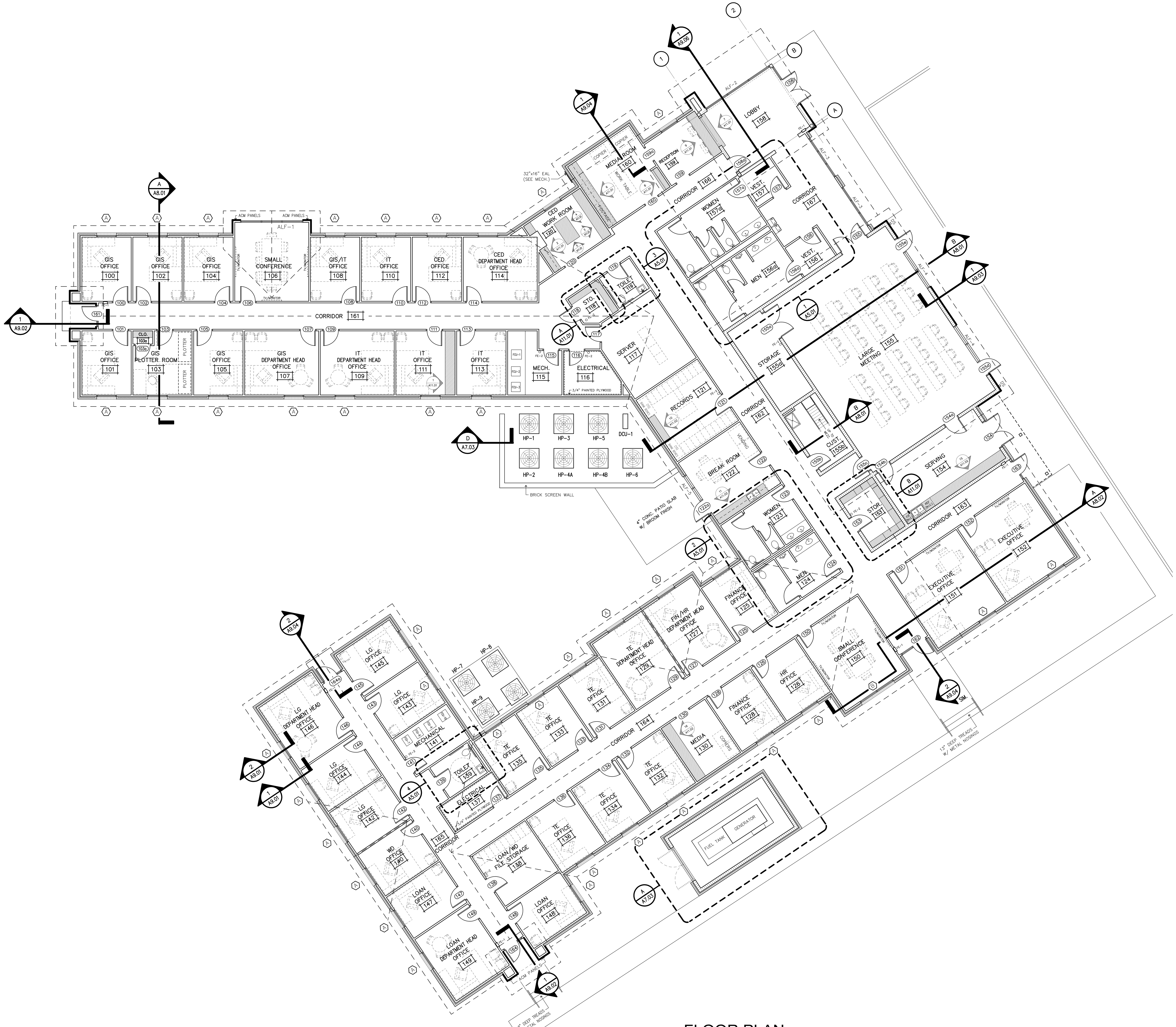
ARCHITECTURAL SITE PLAN

NORTH

A1.01

PLOT DATE: 2-6-2019
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A1.01

15,000 GROSS SQUARE FEET



A
A2.01

FLOOR PLAN

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

SEE SHEET A2.03 FOR DIMENSIONS

GENERAL FLOOR PLAN NOTES :

1. REFER TO LIFE SAFETY PLAN AND REFLECTED CEILING PLAN FOR LOCATIONS OF ALL SCHEDULED RATED WALLS.
2. ALL EXTERIOR WINDOWS TO RECEIVE METAL BLINDS. BLINDS TO MATCH COLOR OF ALUMINUM WINDOW FRAME. REFER TO SPECIFICATIONS FOR DESCRIPTIONS OF METAL BLINDS. WINDOWS LOCATED IN LOBBY 158 ARE NOT TO RECEIVE METAL BLINDS.
3. ALL WALLS IN ELECTRICAL ROOMS 116 AND 137 TO RECEIVE 3/4" THICK PAINTED PLYWOOD INSTALLED OVER GWB. PLYWOOD TO BE BUTTED TOGETHER AND EXTEND FROM FINISH FLOOR TO 10–0" ABOVE FINISH FLOOR.
   A. GWB TO BE TAPED, MUDDED AND SANDED IN ITS ENTIRETY, INCLUDING SURFACES CONCEALED BEHIND PLYWOOD.
   B. ALL EXPOSED SURFACES OF GWB TO RECEIVE PAINT. SEE FINISH SCHEDULE FOR COLOR.
4. REFER TO PLUMBING DRAWINGS FOR ALL FLOOR DRAIN LOCATIONS.
5. DOOR 155C LOCATED AT LARGE MEETING ROOM IS TO BE ACCESS CONTROLLED FROM WITHIN THE LARGE MEETING ROOM.
   A. THE INTENT IS TO PREVENT PUBLIC ACCESS FROM LARGE MEETING ROOM INTO MAIN CORRIDOR 162. THIS DOOR IS NOT TO BE CONSIDERED AS PART OF EMERGENCY EGRESS.
6. REFER TO SHEET A3.02 FOR LOCATIONS OF INTERIOR ROOM SIGNAGE.
7. FASCIA AT EXTERIOR WALL OF LARGE MEETING 155 TO RECEIVE GUTTER, FULL LENGTH OF FASCIA, AND (2) 4"x4" DOWNSPOUTS. LOCATE CENTERLINE OF DOWNSPOUTS 1'–0" FROM END OF ACM WALL PANEL AT EACH END OF WALL.
8. DOWNSPOUTS AT LARGE MEETING AREA TO SPILL OUT ONTO CONCRETE SPLASH BLOCKS AT EACH LOCATION. SPLASH BLOCKS ARE TO BE PROVIDED AND INSTALLED BY CONTRACTOR AS PART OF THIS PROJECT SCOPE.

FLOOR PLAN LEGEND :

- 8"x8"x16" CMU W/ BRICK VENEER
- 8"x8"x16" CMU
- METAL STUD FRAMING W/ 5/8" GWB ON BOTH SIDES OF FRAMING
- FE–1 FIRE EXTINGUISHER (RECESSED CABINET)
- FE–2 FIRE EXTINGUISHER (WALL MOUNTED)
- WINDOW ELEVATION SEE SHEET A3.01
- DOOR IDENTIFICATION SEE SHEET A3.01
- DETAIL NUMBER / SHEET NUMBER
- OWNER PROVIDED FURNITURE (NOT IN CONTRACT)

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SOUTHERN GEORGIA
REGIONAL COMMISSION

STATE OF GEORGIA
STEPHEN J. HART
CERTIFICATE NO RA012350
REGISTERED ARCHITECT

REV:	DATE:	REMARKS:
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CHECKED SH
JOB NO. 18004
DATE 10–02–18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 5' 10' 15' 20'

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

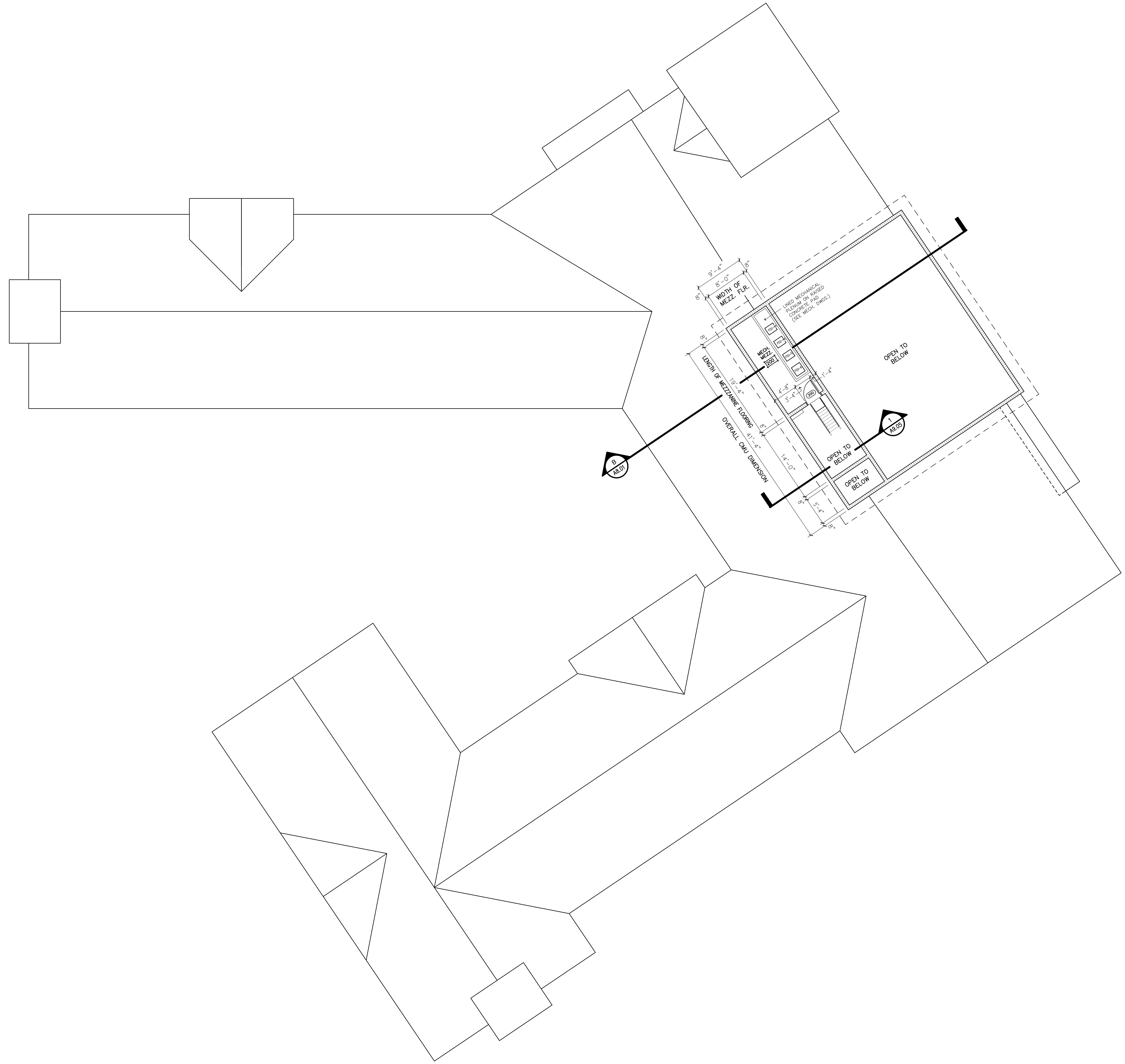
FLOOR PLAN
NORTH

A2.01

PLOT DATE: 2–6–2019
PLOT TIME: 9:18 AM
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A2.01

GENERAL FLOOR PLAN NOTES :

1. REFER TO LIFE SAFETY PLAN AND REFLECTED CEILING PLAN FOR LOCATIONS OF ALL SCHEDULED RATED WALLS.
2. REFER TO PLUMBING DRAWINGS FOR ALL FLOOR DRAIN LOCATIONS.
3. CMU WALLS SHOWN ON THIS SHEET EXTEND UP TO BOTTOM OF METAL ROOF DECKING.



MEZZANINE FLOOR PLAN

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

FLOOR PLAN LEGEND :

- 8"x8"x16" CMU W/ BRICK VENEER
- 8"x8"x16" CMU
- METAL STUD FRAMING W/ 5/8" GWB ON BOTH SIDES OF FRAMING
- FE-1 FIRE EXTINGUISHER (RECESSED CABINET)
- FE-2 FIRE EXTINGUISHER (WALL MOUNTED)
- A WINDOW ELEVATION SEE SHEET A3.01
- 113 DOOR IDENTIFICATION SEE SHEET A3.01
- X / A11.01 DETAIL NUMBER / SHEET NUMBER
- OWNER PROVIDED FURNITURE (NOT IN CONTRACT)

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FAX (229) 245-1990

sgrc SOUTHERN GEORGIA REGIONAL COMMISSION

STATE OF GEORGIA
STEPHEN J. HART
CERTIFICATE NO RA012350
REGISTERED ARCHITECT

REV:	DATE:	REMARKS:
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	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 5' 10' 15' 20'

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

MEZZANINE FLOOR PLAN

NORTH

A2.02

A
A2.03

DIMENSION PLAN

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

GENERAL DIMENSION PLAN NOTES :

1. SEE ENLARGED TOILET PLANS ON SHEET A5.01 FOR FULL DIMENSIONS OF EACH TOILET AREA.

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sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

STATE OF GEORGIA
STEPHEN J. HART
CERTIFICATE NO. RA010790
REGISTERED ARCHITECT

REV.	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
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DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

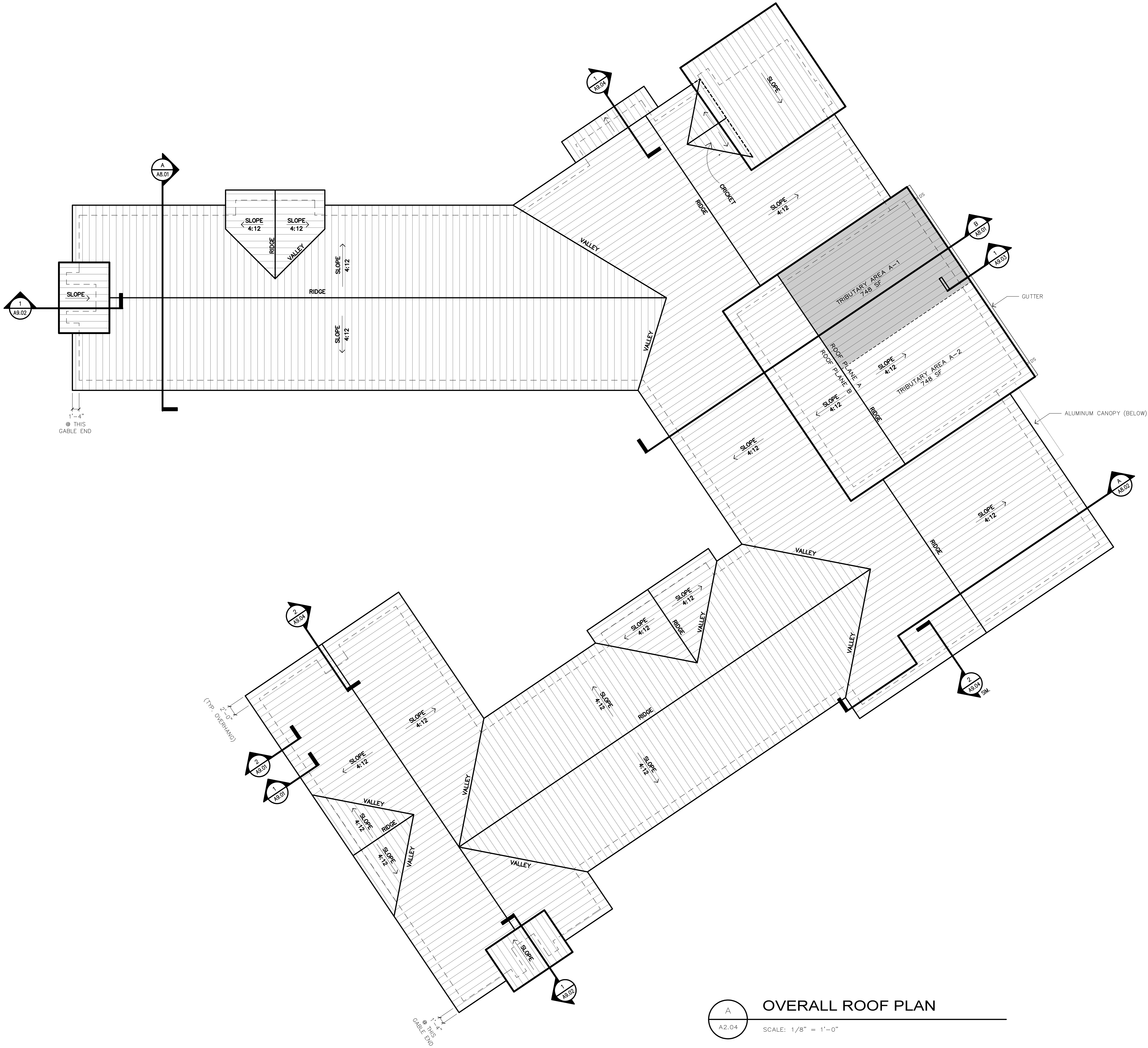
SCALE: 1/8" = 1'-0"

DIMENSION PLAN

NORTH

A2.03

PLOT DATE: 12-11-2018
PLOT TIME: 9:01 AM
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A2.03 DI



OVERALL ROOF PLAN

A A2.04

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

GENERAL ROOF PLAN NOTES :

1. INSTALL GUTTER AND DOWNSPOUTS AT FASCIA OF LARGE MEETING ROOM. NO OTHER LOCATIONS ARE TO RECEIVE GUTTER/DOWNSPOUTS. DOWNSPOUTS ARE TO SPILL OUT ONTO CONCRETE SPLASH BLOCKS.
2. LOCATE CENTERLINE OF 4"x4" DOWNSPOUTS 1'-0" FROM EDGE OF ACM WALL PANEL CORNER.
3. ENTIRE MAIN ROOF OVERHANG TO BE 2'-0", EXCEPT WHERE NOTED TO BE 1'-6". REFER TO SECTION 1/A9.06 FOR OVERHANG DIMENSION OF NORTH AND SOUTH OVERHANGS AT LOBBY.

ROOF DRAINAGE CALCULATIONS

1. ROOF AREA OVER LARGE MEETING ROOM TO BE DIVIDED INTO TWO (2) SEPARATE ROOF PLANES (PLANE A AND PLANE B). ONLY ROOF PLANE A TO HAVE GUTTER AND DOWNSPOUTS. REQUIRED QUANTITY AND SIZE OF DOWNSPOUTS FOR ROOF PLANE A IS COMPUTED BELOW. THE DESIGN INTENT IS TO HAVE (2) 4X4 DOWNSPOUTS SERVING ROOF PLANE A. (1) 4X4 DOWNSPOUT SERVING ROOF AREA A-1 AND (1) SERVING ROOF AREA A-2.

ROOF PLANE A:

33'-0" x 45'-4" = 1,496 SF (TOTAL AREA)
1,496 SF ÷ 2 = 748 SF

RAIN INTENSITY (INCH/HR)
FOR VALDOSTA, GA = 8"/HR

SF ROOF/SQ. IN. DOWNSPOUT
FOR 8"/HR INTENSITY = 150 SQ. IN.

$$\frac{\text{748 SF (ROOF PLANE A-1)}}{\text{150 SF/IN.}} = \text{4.98 SQ. IN.}$$

(1) 4"x 4" DOWNSPOUT = 16 SQ. IN.

(1) 4" x 4" DOWNSPOUT REQUIRED
PER TRIBUTARY AREA (746 SF)

Ellis, Ricket & Associates
era
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2200 N. PATTERSON STREET
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VALDOSTA, GEORGIA 31604
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sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

STATE OF GEORGIA STEPHEN J. HART CERTIFICATE NO RA012350 REGISTERED ARCHITECT

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

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

OVERALL ROOF PLAN

NORTH

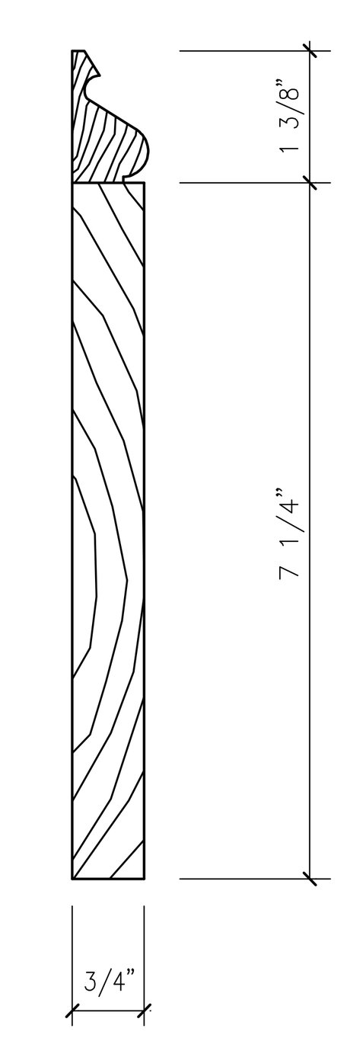
A2.04

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR: CARPET	FLOOR: LUXURY VINYL TILE	FLOOR: CERAMIC TILE	FLOOR: PVC TILE (ECO FLOORING)	FLOOR: SEALED CONCRETE	BASE: WOOD	BASE: RESILIENT	BASE: CERAMIC TILE	BASE: EXPOSED	WALLS: GWB PAINTED	WALLS: GWB UNPAINTED	WALLS: GWB PAINTED ACCENT	WALLS: CMU PAINTED	WALLS: CERAMIC WALL TILE	CEILING: GYPSUM WALLBOARD	CEILING: ACOUSTICAL TILE	CEILING: EXPOSED STRUCTURE	CLG. HT.	REMARKS	ROOM NO.
100	GIS OFFICE	C1						B1			P1		P4				○		9'-0"		100
101	GIS OFFICE	C1						B1			P1		P4				○		9'-0"		101
102	GIS OFFICE	C1						B1			P1		P4				○		9'-0"		102
103	GIS PLOTTER ROOM		L1					B1			P1						○		9'-0"		103
103a	CLOSET		L1					B1			P1					P7			9'-0"		103a
104	GIS OFFICE	C1						B1			P1		P4				○		9'-0"		104
105	GIS OFFICE	C1						B1			P1		P4				○		9'-0"		105
106	SMALL CONFERENCE	C1						B1			P1		P5				○		9'-0"		106
107	GIS DEPARTMENT HEAD	C1						B1			P1		P4				○		9'-0"		107
108	GIS/IT OFFICE	C1						B1			P1		P4				○		9'-0"		108
109	IT DEPT. HEAD OFFICE	C1						B1			P1		P4				○		9'-0"		109
110	IT OFFICE	C1						B1			P1		P4				○		9'-0"		110
111	IT OFFICE	C1						B1			P1		P4				○		9'-0"		111
112	CED OFFICE	C1						B1			P1		P4				○		9'-0"		112
113	IT OFFICE	C1						B1			P1		P4				○		9'-0"		113
114	CED DEPT. HEAD OFFICE	C1						B1			P1		P4				○		9'-0"		114
115	MECHANICAL ROOM					P9		B1			P1							○	9'-0"		115
116	ELECTRICAL ROOM					P9		B1			P1							○	9'-0"		116
117	SERVER ROOM					P9		B1			P1							○	9'-0"		117
118	STORAGE					P9		B1			P1					P7			9'-0"		118
119	TOILET			T1					T1		P6						○		9'-0"		119
120	CED WORKROOM		L1					B1			P1						○		9'-0"		120
121	RECORDS ROOM		L1					B1			P1						○		9'-0"		121
122	BREAK ROOM		L1					B1			P1						○		9'-0"		122
123	WOMEN'S RESTROOM			T1					T1		P6				T2	P8	○		9'-0"/8'-0"	SEE FINISH NOTE 1	123
124	MEN'S RESTROOM			T1					T1		P6				T2	P8	○		9'-0"/8'-0"	SEE FINISH NOTE 1	124
125	FINANCE OFFICE	C1						B1			P1		P4				○		9'-0"		125
126	HR OFFICE	C1						B1			P1		P4				○		9'-0"		126
127	FIN/HR DEPT. HEAD OFFICE	C1						B1			P1		P4				○		9'-0"		127
128	FINANCE OFFICE	C1						B1			P1		P4				○		9'-0"		128
129	TE DEPT. HEAD OFFICE	C1						B1			P1		P4				○		9'-0"		129
130	MEDIA ROOM		L1					B1			P1						○		9'-0"		130
131	TE OFFICE	C1						B1			P1		P4				○		9'-0"		131
132	TE OFFICE	C1						B1			P1		P4				○		9'-0"		132
133	TE OFFICE	C1						B1			P1		P4				○		9'-0"		133
134	TE OFFICE	C1						B1			P1		P4				○		9'-0"		134
135	TE OFFICE	C1						B1			P1		P4				○		9'-0"		135
136	TE OFFICE	C1						B1			P1		P4				○		9'-0"		136
137	ELECTRICAL					P9		B1			P1							○	– – –	SEE FINISH NOTE 3	137
138	LOAN/WD FILE STORAGE		L1					B1			P1						○		9'-0"		138
139	TOILET			T1					T1		P6						○		9'-0"		139
140	WD OFFICE	C1						B1			P1		P4				○		9'-0"		140
141	MECHANICAL					P9		B1			P1							○	– – –	SEE FINISH NOTE 3	141
142	LG OFFICE	C1						B1			P1		P4				○		9'-0"		142
143	LG OFFICE	C1						B1			P1		P4				○		9'-0"		143
144	LG OFFICE	C1						B1			P1		P4				○		9'-0"		144
145	LG OFFICE	C1						B1			P1		P4				○		9'-0"		145
146	LG DEPT. HEAD OFFICE	C1						B1			P1		P4				○		9'-0"		146
147	LOAN OFFICE	C1						B1			P1		P4				○		9'-0"		147
148	LOAN OFFICE	C1						B1			P1		P4				○		9'-0"		148
149	LOAN DEPT. HEAD OFFICE	C1						B1			P1		P4				○		9'-0"		149
150	SMALL CONFERENCE ROOM	C1						B1			P1		P5				○		9'-0"		150
151	EXECUTIVE OFFICE	C1						B1			P1		P4				○		9'-0"		151
152	EXECUTIVE OFFICE	C1						B1			P1		P4				○		9'-0"		152
153	STORAGE					P9		B1						P1		P7			9'-0"		153
154	SERVING		L1				P2				P1					P7			9'-0"		154
155	LARGE MEETING ROOM		L*				P2				P1		P3			P4	○		VARIES	SEE FINISH NOTE 2	155
155a	STORAGE					P9		B1						P1				○	– – –		155a
155b	CUSTODIAL					P9		B1						P1		P7			20'-0"		155b
156	VESTIBULE			T1					T1		P6						○		8'-0"		156
156a	MEN RESTROOM			T1							P6				T2	P8	○		9'-0"/8'-0"	SEE FINISH NOTE 1	156a
157	VESTIBULE			T1					T1		P6						○		8'-0"		157
157a	WOMEN RESTROOM			T1							P6				T2	P8	○		9'-0"/8'-0"	SEE FINISH NOTE 1	157a
158	LOBBY		L1				P2				P1		P3			P4			VARIES	SEE FINISH NOTE 4	158
159	RECEPTION		L1					B1			P1		P4				○		9'-0"		159
160	MEDIA ROOM		L1					B1			P1						○		9'-0"		160
161	CORRIDOR		L*					B1			P1					P4	○		9'-4"/9'-3"		161
162	CORRIDOR		L*					B1			P1					P4	○		9'-4"/9'-3"		162
163	CORRIDOR		L*					B1			P1						○		9'-4"/9'-3"		163
164	CORRIDOR		L*					B1			P1					P4	○		9'-4"/9'-3"		164
165	CORRIDOR		L*					B1			P1					P4	○		9'-4"/9'-3"		165
166	CORRIDOR		L*					B1			P1					P4	○		9'-4"/9'-3"		166
167	CORRIDOR		L*				P2				P1		P3			P4	○		9'-4"/9'-0"	SEE FINISH NOTES 5, 6	167
SECOND FLOOR (MEZZANINE)																					
200	MECHANICAL MEZZANINE					P9		B1						P1		P7			+/- 12'-0"	SEE FINISH NOTE 7	200

INDEX TO FINISH SCHEDULE

NO.	DESCRIPTION
PAINT	
P1	(TYPICAL) PAINT: SHERWIN WILLIAMS – MINDFUL GRAY SW 7016
P2	(TRIM & RESTROOM STALL DOORS) PAINT: SHERWIN WILLIAMS – BLACK FOX SW 7020
P3	(ACCENT) PAINT: SHERWIN WILLIAMS – HOMBURG GRAY SW 7622
P4	(OFFICE ACCENT AT WINDOW WALL & ACCENT CEILING) PAINT: SHERWIN WILLIAMS – DOVETAIL SW 7018
P5	(SMALL CONFERENCE ROOM ACCENT AT WINDOW WALL) PAINT: SHERWIN WILLIAMS – CITYSCAPE SW 7067
P6	(RESTROOM TYPICAL) PAINT: SHERWIN WILLIAMS – OYSTER BAY SW 6206
P7	(CEILING) PAINT: SHERWIN WILLIAMS – EXTRA WHITE SW 7006
P8	(ACCENT CEILING) PAINT: SHERWIN WILLIAMS – ACCESSIBLE BEIGE SW 7036
P9	(CONCRETE SEALER) PAINT: SHERWIN WILLIAMS – COLORTOP (SOLVENT BASED) WHITE
BASE	
B1	RUBBER BASE: JOHNSONITE – RECESS WALL BASE RWDC-63, BURNT UMBER, 4" HEIGHT
CARPET	
C1	CARPET (BROADLOOM): MOHAWK GROUP (BIGELOW) – MODEM BQ347, 7968 CONNECTOR,
	TUFTED, COLORSTRAND NYLON
LVT	
L1	(WOOD) LUXURY VINYL TILE: SHAW CONTRACT – UNCOMMON GROUND 6 0188V, COLOR: TELLURIDE 02540
	SIZE: 6"x36", 20MIL WEAR LAYER
L2	(STONE) LUXURY VINYL TILE: SHAW CONTRACT – CRETE 0203V, COLOR: SLATE 03750, SIZE: 18"x18",
L3	(STONE) LUXURY VINYL TILE: SHAW CONTRACT – CRETE 0203V, COLOR: INDUSTRIAL 03520, SIZE: 18"x18",
L4	(STONE) LUXURY VINYL TILE: SHAW CONTRACT – CRETE 0203V, COLOR: SUNSET 03620, SIZE: 18"x18",
L*	ALL LVT, L1–L4 USED TO CREATE FLOOR PATTERN. SEE SHEET A3.02
CERAMIC TILE	
T1	CERAMIC FLOOR TILE: DALTILE – AFFINITY, COLOR: AF02 BEIGE, SIZE: 12"x24", GROUT JOINT: 3/16"
	INSTALL PATTERN: STAGGERED BRICK JOINT, OVERLAP SHOULD NOT EXCEED 33%
	TRIM: FLOOR BULLNOSE P-43C9, SIZE: 3"x12"
	GROUT: CUSTOM BUILDING PRODUCTS – #145 LIGHT SMOKE
T2	CERAMIC WALL TILE: DALTILE – SANTINO, COLOR: SN07 CHIARO (CREAM), SIZE: 6"x24", GROUT JOINT: 1/8"
	INSTALL PATTERN: GRID. TO BE CARRIED TO A HEIGHT OF 4'-10" A.F.F.
	TRIM: BULLNOSE S-44H9, SIZE: 4"x18"
	GROUT: CUSTOM BUILDING PRODUCTS – #145 LIGHT SMOKE
SURFACES	
S1	(WINDOW STOOLS & RESTROOM COUNTERS) SOLID SURFACE: CORIAN – SONORA
S2	(CUSTOMER COUNTER IN LOBBY) SOLID SURFACE: CAMBRIA – SUTTON 1760, QUARRY COLLECTION
S3	(COUNTER SURFACES & ADA SKIRTING IN RESTROOMS) LAMINATE: WILSONART – PEWTER MESH 4878-38
S4	(CABINET FRONTS) LAMINATE: WILSONART – STEEL MESH 4879-38
CEILING TILE	
S1	ACOUSTIC CEILING TILE: ARMSTRONG CEILING – ULTIMA LAY-IN & TEGULAR 1911, SIZE: 24"x24"x3/4"



1 / A3.01 PROFILE OF WOOD BASE

SCALE : HALF-SIZE

ROOM FINISH SCHEDULE NOTES :

1. SEE REFLECTED CEILING PLAN, SHEET A4.01, FOR AREAS TO RECEIVE GYPSUM CEILINGS AND ACOUSTICAL TILE.

   A. GWB CLG. HGT. = 8'-0" A.F.F.
   B. ACT CLG. HGT. = 9'-0" A.F.F.

2. LARGE MEETING ROOM 155 IS SCHEDULED TO RECEIVE ACOUSTICAL TILE AND GYPSUM CEILINGS INSTALLED AT VARIOUS CEILING HEIGHTS. REFER TO REFLECTED CEILING PLAN, SHEET A4.01, FOR LOCATIONS OF EACH CEILING TYPE.

   A. GWB CLG. HGT. = 12'-0" A.F.F.
   GWB CLG. HGT. = 12'-8" A.F.F.
   B. ACT CLG. HGT. = 13'-0" A.F.F.

3. ROOM IS SCHEDULED TO HAVE EXPOSED STRUCTURE. WALLS SURROUNDING THIS ROOM TO EXTEND TO BOTTOM SIDE OF METAL ROOF DECKING, AND HAVE 5/8" GWB INSTALLED ON BOTH SIDES OF WALL FRAMING.

4. LOBBY 158 CEILING IS SCHEDULED TO RECEIVE A GYPSUM CEILING. GEILING IS SCHEDULED TO SLOPE WITH STRUCTURE. REFER TO SHEET A9.06 FOR SECTION TRHOUGH THIS AREA.

5. CORRIDOR 167 IS SCHEDULED TO RECEIVE ACOUSTICAL AND GYP. BOARD CEILINGS. REFER TO SHEET A4.01 FOR LOCATIONS OF EACH.

   A. GWB CLG. HGT. = 9'-0" A.F.F.
   B. ACT CLG. HGT. = 9'-4" A.F.F.

6. CORRIDOR 167 TO RECEIVE ACCENT WALL AT WATER FOUNTAIN ONLY. SEE SCHEDULE FOR ACCENT COLOR.

7. MECHANICAL MEZZANINE 200 TO RECEIVE 5/8" GWB CEILING INSTALLED OVER 7/8" METAL FURRING. FURRING TO BE INSTALLED TO UNDERSIDE OF METAL TRUSS BOTTOM CHORD. SEE FINSIH SCHEDULE FOR GWB CEILING PAINT COLOR.

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SOUTHERN GEORGIA REGIONAL COMMISSION

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

FINISH SCHEDULES

NORTH

A3.01

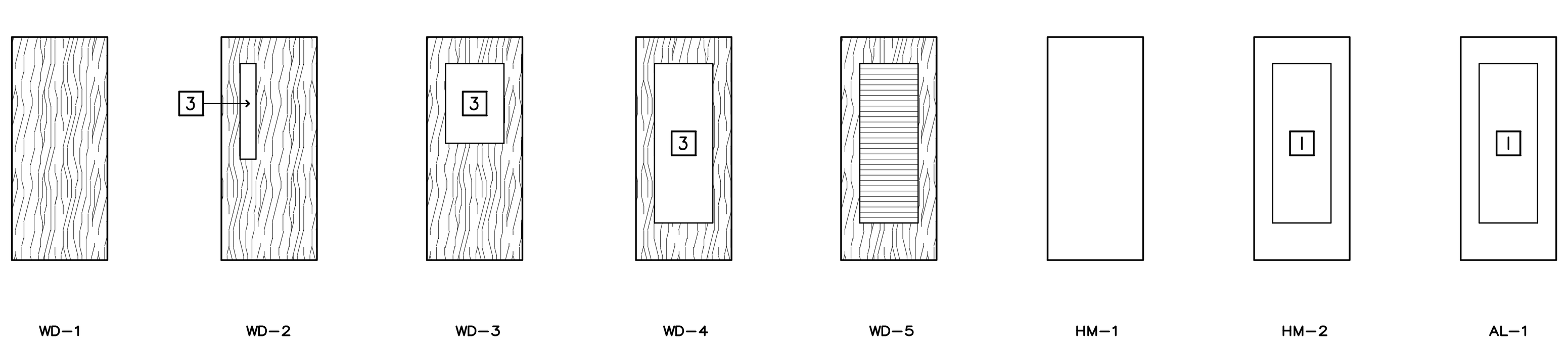
PLOT DATE: 1-25-2019
PLOT TIME: 11:07 AM
PATHNAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A3.01 FI

DOOR SCHEDULE–1ST FLOOR

DOOR NO.	DOOR LOCATION	SIZE WIDTH	SIZE HEIGHT	SIZE THICK.	DOOR TYPE	FRAME ELEV.	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	FRAME DETAILS DEPTH	HDW. SET	SIGN TYPE	SIGNAGE TEXT	LABEL	REMARKS	DOOR NO.
100	GIS OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				100
101	GIS OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				101
102	GIS OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				102
103	GIS PLOTTER ROOM	3'–0"	7'–0"	1 3/4"	WD–3	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				103
103a	CLOSET	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	B	STORAGE			103a
104	GIS OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				104
105	GIS OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				105
106	SMALL CONFERENCE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	C	CONFERENCE			106
107	GIS DEPARTMENT HEAD	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				107
108	GIS/IT OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				108
109	IT DEPT. HEAD OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				109
110	IT OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				110
111	IT OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				111
112	CED OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				112
113	IT OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				113
114	CED DEPT. HEAD OFF.	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				114
115	MECHANICAL ROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	9	B	MECHANICAL			115
116	ELECTRICAL ROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	9	B	ELECTRICAL			116
117	SERVER ROOM	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	8	B	SERVER		SEE NOTE 2	117
118	STORAGE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	10	B	STORAGE			118
119	TOILET	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	13	D.3				119
120	CED WORK ROOM	3'–0"	7'–0"			HMF–1	H–1	J–1		5 3/4"		A			SEE NOTE 5	120
121	RECORDS ROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	8	A		60 MIN		121
122	BREAK ROOM	3'–0"	7'–0"	1 3/4"	WD–3	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				122
122a	BREAK ROOM	3'–0"	7'–0"	1 3/4"	AL–1	ALF–5			S–4	4 1/2"	1					122a
123	WOMEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–3	5 3/4"	12	D.2	WOMEN			123
123a	WOMEN RESTROOM	2'–4"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					123a
123b	WOMEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					123b
124	MEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–3	5 3/4"	12	D.1	MEN			124
124a	MEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					124a
125	FINANCE OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				125
126	HR OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				126
127	FIN/HR DEPT. HEAD OFF.	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				127
128	FINANCE OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				128
129	TE DEPT. HEAD OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				129
130	MEDIA ROOM	3'–0"	7'–0"			HMF–1	H–1	J–1	S–1	5 3/4"		A			SEE NOTE 5	130
131	TE OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				131
132	TE OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				132
133	TE OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				133
134	TE OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				134
135	TE OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				135
136	TE OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				136
137	ELECTRICAL	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	9	B	ELECTRICAL			137
138	LOAN/WD FILE STOR.	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	9	A		60 MIN		138
139	TOILET	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	13	D.3	RESTROOM			139
140	WD OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				140
141	MECHANICAL	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	10	B	MECHANICAL			141
142	LG OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				142
143	LG OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				143
144	LG OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				144
145	LG OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				145
146	LG DEPT HEAD OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				146
147	LOAN OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				147
148	LOAN OFFICE	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				148
149	LOAN DEPT. HEAD OFF.	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				149
150	SMALL CONFERENCE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	C	CONFERENCE			150
151	EXECUTIVE OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				151
152	EXECUTIVE OFFICE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	11	A				152
153	STORAGE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–3	H–3	J–3	S–2	10 1/4"	10	B	STORAGE	60 MIN		153
154	SERVING	PR 3'–0"	7'–0"	1 3/4"	HM–1	HMF–2	H–7	J–7	S–4	8 3/4"	4	B	SERVING		SEE NOTE 12	154
154a	SERVING	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–5	J–5	S–2	12 1/4"	14	B	SERVING	90 MIN		154a
154b	SERVING	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–5	J–5	S–2	12 1/4"	14	B	SERVING			154b
155	LARGE MEETING ROOM	PR 3'–0"	7'–0"	1 3/4"	WD–3	HMF–2	H–5	J–5	S–1	12 1/4"	5	A		90 MIN		155
155a	STORAGE	PR 3'–0"	7'–0"	1 3/4"	WD–1	HMF–2	H–6	J–6	S–2	10 3/4"	6	B	STORAGE	90 MIN		155a
155b	CUSTODIAL	3'–0"	7'–0"	1 3/4"	WD–1	HMF–3	H–3	J–3	S–2	10 1/4"	10	B	CUSTODIAL			155b
155c	LARGE MEETING ROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–3	H–5	J–5	S–1	12 1/4"	8			90 MIN	SEE NOTE 10	155c
155d	LARGE MEETING ROOM	3'–0"	7'–0"	1 3/4"	AL–1	ALF–4			S–4	4 1/2"	1				SEE NOTE 3	155d
155e	LARGE MEETING ROOM	3'–0"	7'–0"	1 3/4"	AL–1	ALF–4			S–4	4 1/2"	1				SEE NOTE 3	155e
156	VESTIBULE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–3	5 3/4"	12					156
156a	MEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	12	D.1	MEN			156a
156b	MEN RESTROOM	2'–4"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					156b
156c	MEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					156c
157	VESTIBULE	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–3	5 3/4"	12					157
157a	WOMEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–1	HMF–1	H–1	J–1	S–1	5 3/4"	12	D.2	WOMEN			157a
157b	WOMEN RESTROOM	2'–4"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					157b
157c	WOMEN RESTROOM	2'–4"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					157c
157d	WOMEN RESTROOM	3'–0"	7'–0"	1 3/4"	WD–5	HMF–1	H–1	J–1	S–1	5 3/4"	13					157d
158	LOBBY	PR 3'–0"	7'–0"	1 3/4"	AL–1	ALF–2A			S–4	4 1/2"	1				SEE NOTE 3	158
158a	LOBBY	3'–0"	7'–0"	1 3/4"	WD–2	HMF–1	H–2	J–2	S–1	10 1/8"	7				SEE NOTE 4	158a
159	RECEPTION	3'–0"	7'–0"			HMF–1	H–1	J–1		5 3/4"		A			SEE NOTE 5	159
159a	RECEPTION	3'–0"	7'–0"			HMF–1	H–1	J–1		5 3/4"		A			SEE NOTE 5	159a
160	MEDIA ROOM	3'–0"	7'–0"			HMF–1	H–1	J–1		5 3/4"		A			SEE NOTE 5	160
161	CORRIDOR	3'–0"	7'–0"	1 3/4"	HM–2	HMF–4	H–1	J–1	S–4	5 3/4"	2				SEE NOTE 7	161
162	CORRIDOR	3'–0"	7'–0"	1 3/4"	HM–2	HMF–5	H–1	J–1	S–4	5 3/4"	3				SEE NOTE 2	162
163	CORRIDOR	3'–0"	7'–0"	1 3/4"	HM–2	HMF–4	H–8	J–8	S–4	8 3/4"	3				SEE NOTE 2	163
164	CORRIDOR	3'–0"	7'–0"	1 3/4"	HM–2	HMF–4	H–1	J–1	S–4	5 3/4"	3				SEE NOTE 2	164
164a	CORRIDOR	3'–0"	7'–0"	1 3/4"	HM–2	HMF–4	H–1	J–1	S–4	5 3/4"	2				SEE NOTE 7	164a

DOOR SCHEDULE– MEZZANINE

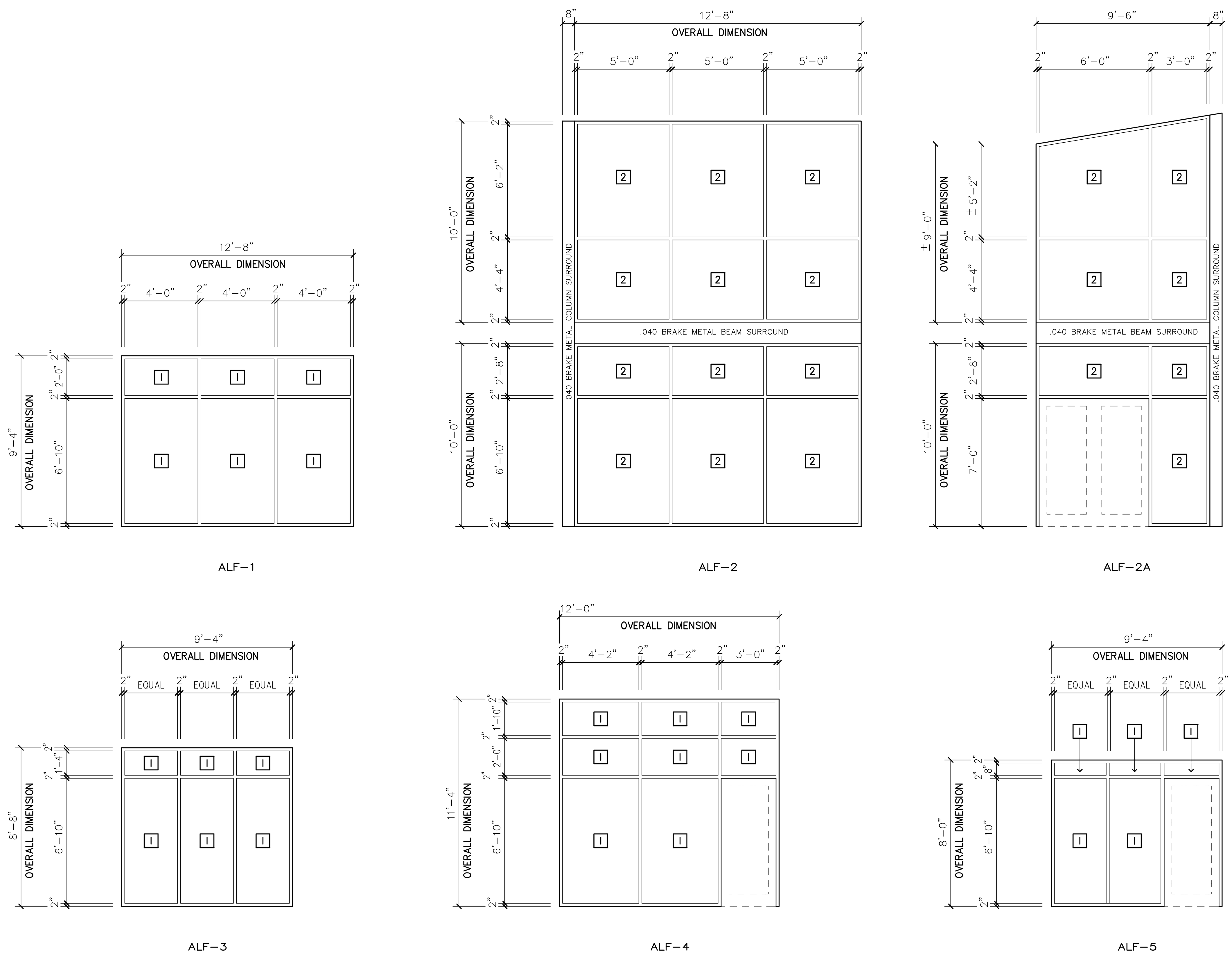
DOOR NO.	DOOR LOCATION	SIZE WIDTH	SIZE HEIGHT	SIZE THICK.	DOOR TYPE	FRAME ELEV.	FRAME DETAILS HEAD	FRAME DETAILS JAMB	FRAME DETAILS SILL	FRAME DETAILS DEPTH	HDW. SET	SIGN TYPE	SIGNAGE TEXT	LABEL	REMARKS	DOOR NO.
200	MECHANICAL MEZZANINE	3'–0"	7'–0"	1 3/4"	HM–1	HMF–3	H–4	J–4	S–1	8 3/4"	9	B	MECHANICAL	60 MIN		200



INTERIOR / EXTERIOR DOOR ELEVATIONS

SCALE: 1/4" = 1'–0"

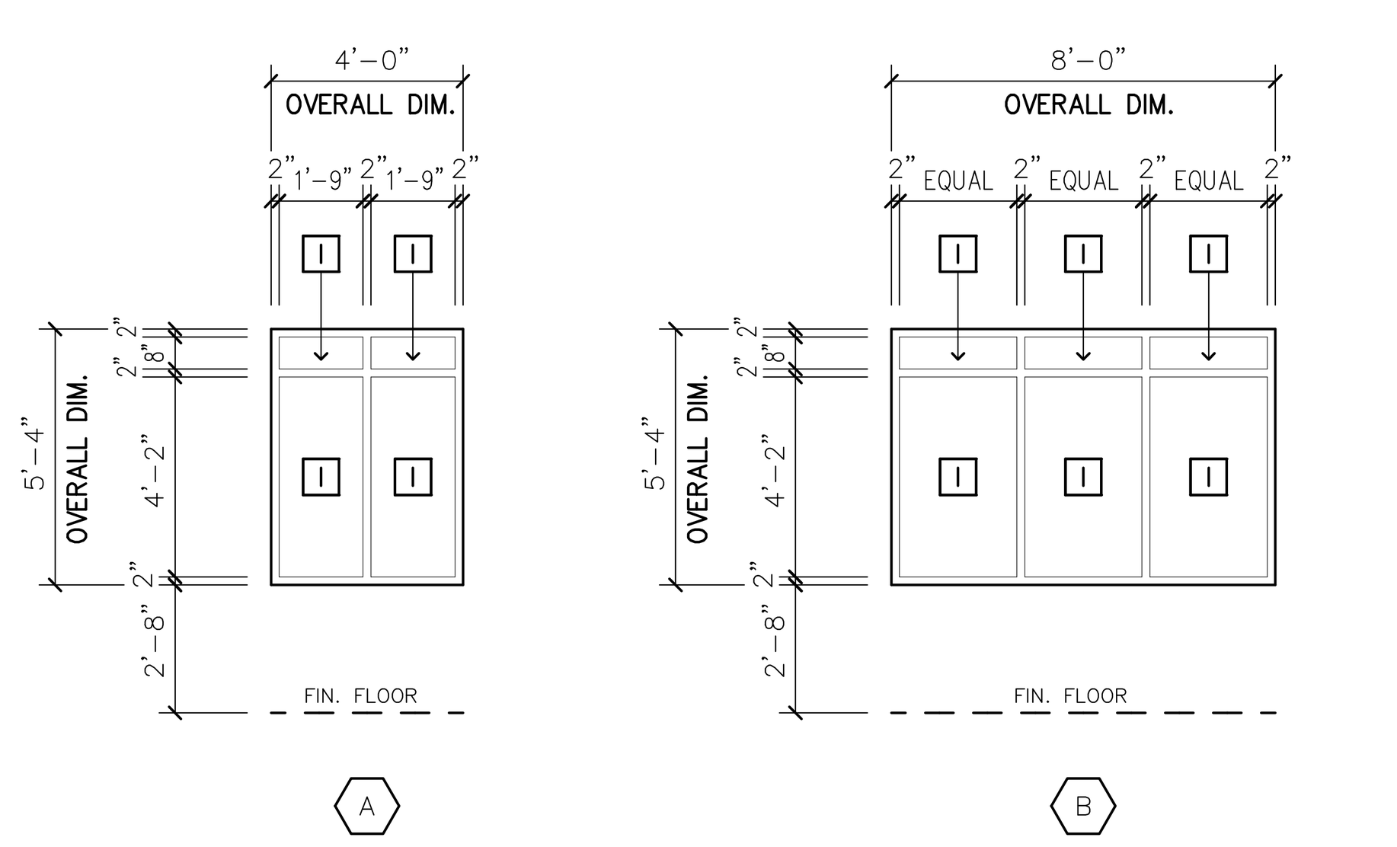
SEE DOOR SCHEDULE FOR DOOR DIMENSIONS



ALUMINUM STOREFRONT FRAME ELEVATIONS

SCALE: 1/4" = 1'–0"

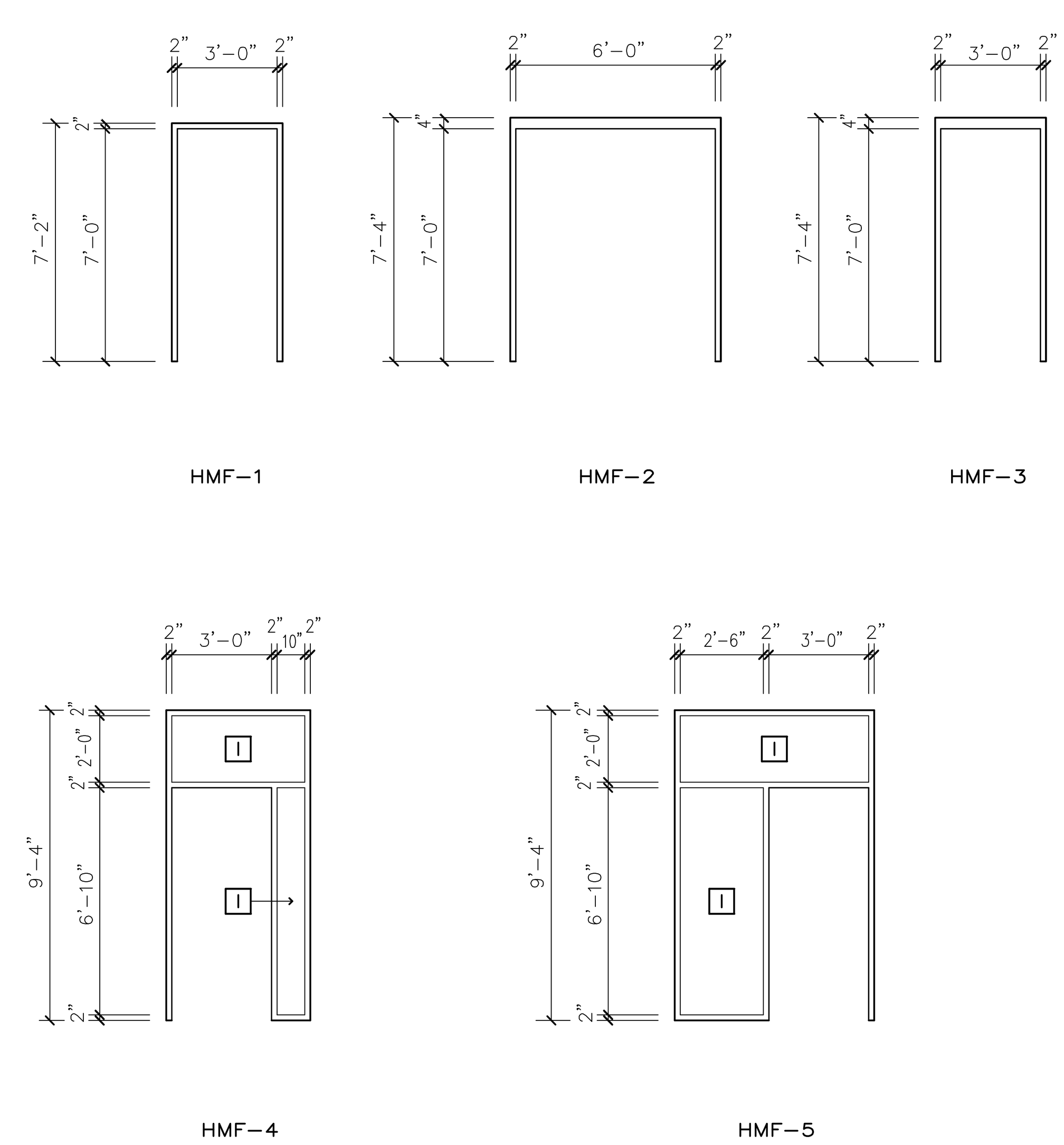
FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION



ALUMINUM WINDOW FRAME ELEVATIONS

SCALE: 1/4" = 1'–0"

FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION



DOOR FRAME ELEVATIONS

SCALE: 1/4" = 1'–0"

GENERAL DOOR SCHEDULE NOTES :

1. REFER TO SPECIFICATIONS FOR DETAILS OF HARDWARE SETS FOR SET NUMBERS INDICATED IN THE SCHEDULE ON THIS SHEET.
2. DOOR TO RECEIVE SURFACE MOUNTED, MECHANICAL KEYPAD ACCESS CONTROL DEVICE. REFER TO DOOR HARDWARE SCHEDULE.
3. EXTERIOR DOOR TO BE ALUMINUM STOREFRONT ENTRANCE DOOR WITH KEYED CYLINDER ON BOTH SIDES OF DOOR FOR ACCESS CONTROL.
4. DOOR TO BE ELECTRONICALLY ACCESS–CONTROLLED WITH ELECTRIC STRIKE.
   A. ELECTRIC STRIKE TO BE CONTROLLED BY PUSH BUTTON LOCATED IN RECEPTION AREA.
   B. DOOR TO HAVE SURFACE–MOUNTED, ELECTRONIC KEYPAD ON LOBBY SIDE OF DOOR.
   C. LATCH TO BE RELEASED BY TURNING LEVER ON CORRIDOR SIDE OF DOOR.
5. PROVIDE CASED OPENING ONLY.
6. REFER TO SHEET A3.03 FOR ALL DOOR HEAD, JAMB AND SILL DETAILS.
7. DOOR TO FUNCTION AS EGRESS ONLY WITH NO DOOR PULL INSTALLED ON EXTERIOR FACE OF DOOR.
8. ROOM AND DOOR NUMBERS ARE FOR IDENTIFICATION PURPOSES ONLY. THE ACTUAL ROOM NUMBERS AND ROOM NAMES FOR SIGNAGE PURPOSES WILL BE PROVIDED BY ARCHITECT/OWNER DURING SHOP DRAWING REVIEW.
9. REFER TO SHEET A3.03 FOR ALL INTERIOR SIGN TYPE ELEVATIONS.
10. DOOR 155C LOCATED AT LARGE MEETING ROOM IS TO BE ACCESS CONTROLLED FROM WITHIN THE LARGE MEETING ROOM.
    A. THE INTENT IS TO PREVENT PUBLIC ACCESS FROM LARGE MEETING ROOM INTO MAIN CORRIDOR 162. THIS DOOR IS NOT TO BE CONSIDERED AS PART OF EMERGENCY EGRESS.
11. REFER TO SHEET A3.03 FOR INTERIOR SIGN TYPE ELEVATIONS. ALL SIGNAGE TO BE INSTALELD WITH MECHANICAL FASTENERS, NOT TWO SIDED TAPE.
12. DOOR 154 SIGNAGE TO BE INSTALLED ONTO BUILDING EXTERIOR.

GENERAL ALUMNIUM STOREFRONT AND WINDOW NOTES:

1. ALL ALUMINUM STOREFRONT AND WINDOW FRAMES TO BE CLEAR, ANODIZED ALUMINUM.
2. BRAKE METAL COLUMN AND BEAM SURROUNDS LOCATED IN FRAMES ALF–2 AND ALF–2A ARE TO MATCH COLOR OF ALUMINUM FRAMES.
3. GLAZING INSTALLED AT LOBBY 158 TO RECEIVE GLASS TYPE 2 INSTALLED IN ALL STOREFRONT OPENINGS.

   ALL OTHER GLAZING AT EXTERIOR WALL LOCATIONS TO RECEIVE GLASS TYPE 1.

GLAZING LEGEND:

1	1" THICK, INSULATED, LOW E TEMPERED, TINTED GRAY GLAZING MIN. SHGC = 0.33
2	1" THICK, INSULATED, LOW E TEMPERED, TINTED GRAY GLAZING MIN. SHGC = 0.22
3	1/4" THICK, TEMPERED, CLEAR GLAZING

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SOUTHERN GEORGIA REGIONAL COMMISSION

STEPHEN J. HART
CERTIFICATE NO RA012350
REGISTERED ARCHITECT

REV:	DATE:	REMARKS:
	10–31–18	DD REVIEW SET
	12–07–18	90% REVIEW SET
	02–04–19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10–02–18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

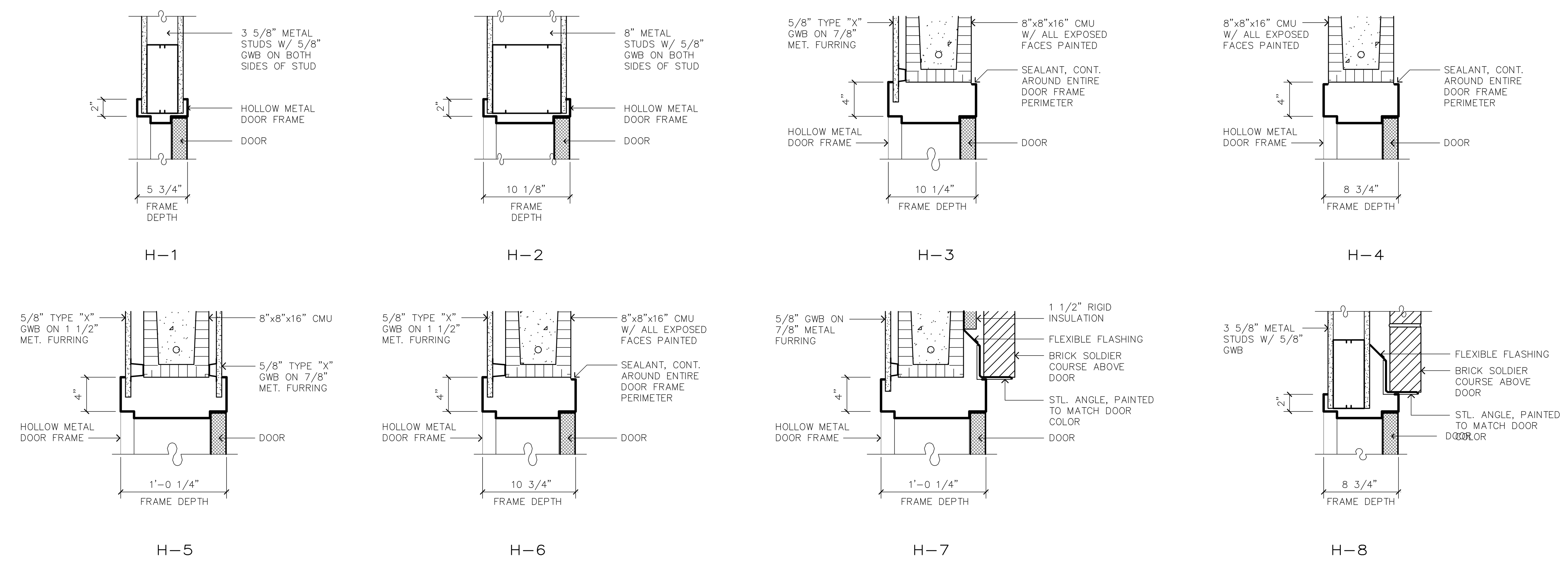
VALDOSTA, GA

DOOR SCHEDULES

NORTH

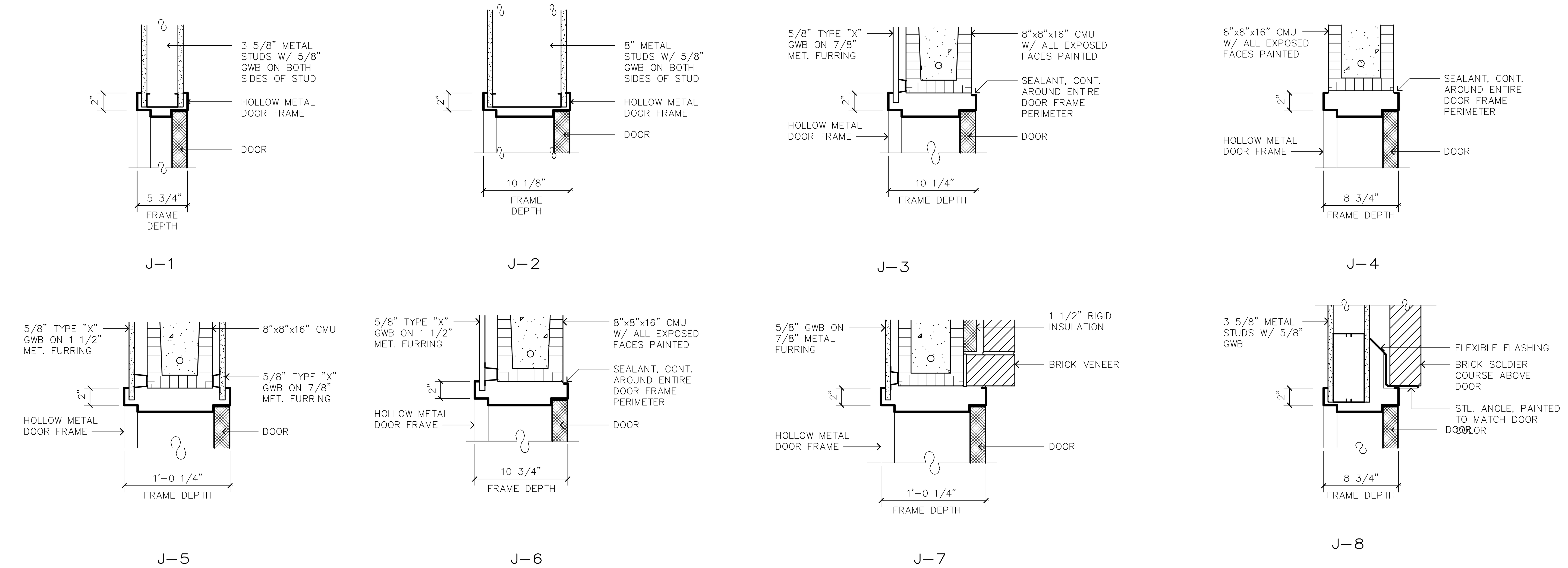
A3.02

PLOT DATE: 11-28-2018



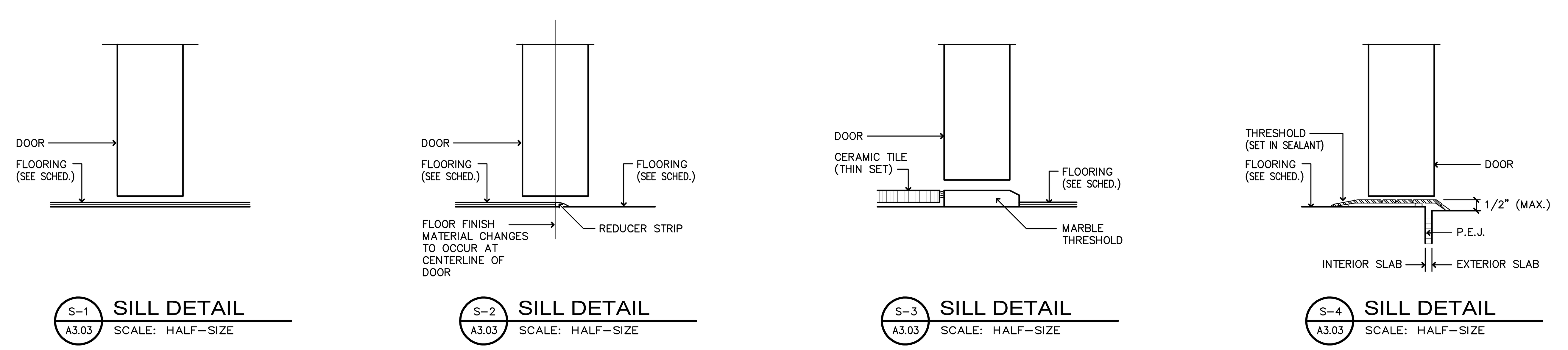
DOOR HEAD DETAILS

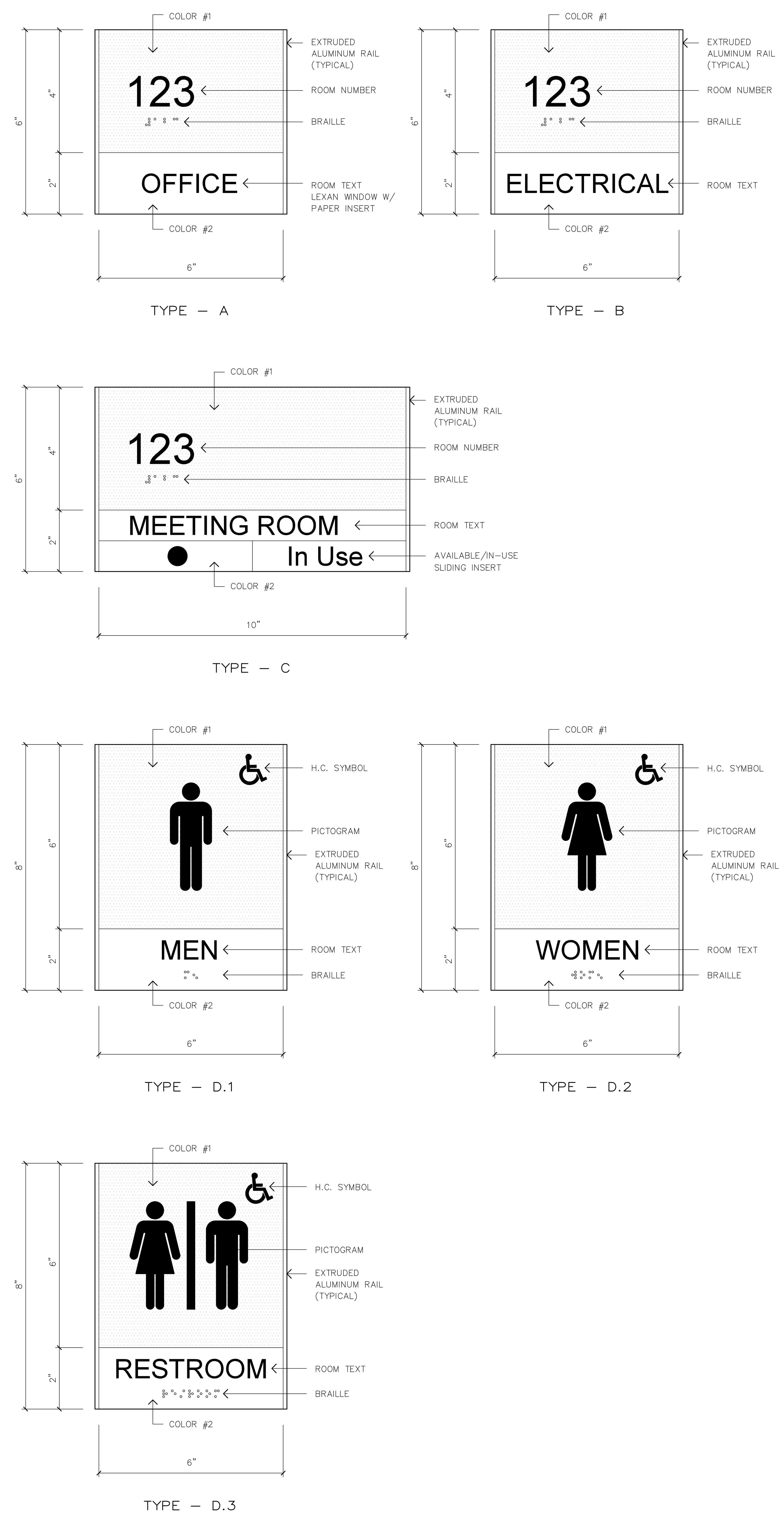
SCALE: 1 1/2" = 1'-0"



DOOR JAMB DETAILS

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





INTERIOR ROOM SIGNAGE ELEVATIONS

SCALE: 3" = 1'-0"

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sgrc SOUTHERN GEORGIA REGIONAL COMMISSION

REV.	DATE:	REMARKS:
	10–31–18	DD REVIEW SET
	12–07–18	90% REVIEW SET
	02–04–19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10–02–18

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

DOOR HEAD, JAMB, AND SILL DETAILS

NORTH

A3.03

A
A3.04

OVERALL FINISH PLAN

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

GENERAL OVERALL FINISH PLAN NOTES :

1. AREAS NOTED TO RECEIVE ACCENT PAINT COLOR P3 IS TO HAVE ENTIRE WALL AREA RECEIVE ACCENT PAINT COLOR.
2. REFER TO FINISH SCHEDULE ON SHEET A3.01 FOR IDENTIFICATION OF ALL REQUIRED FINISHES.

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REGIONAL COMMISSION

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

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0 5' 10' 15' 20'

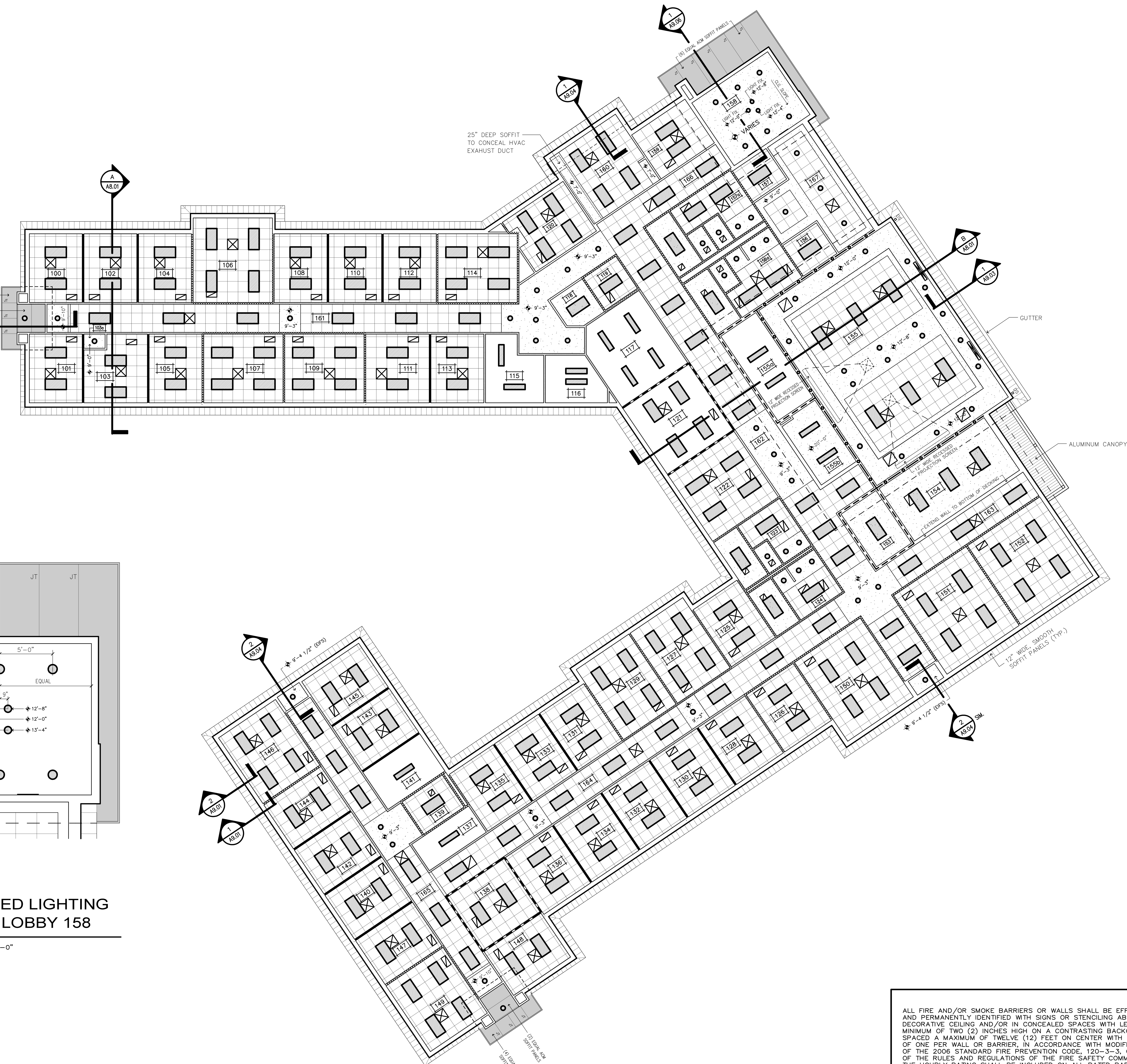
SCALE: 1/8" = 1'-0"

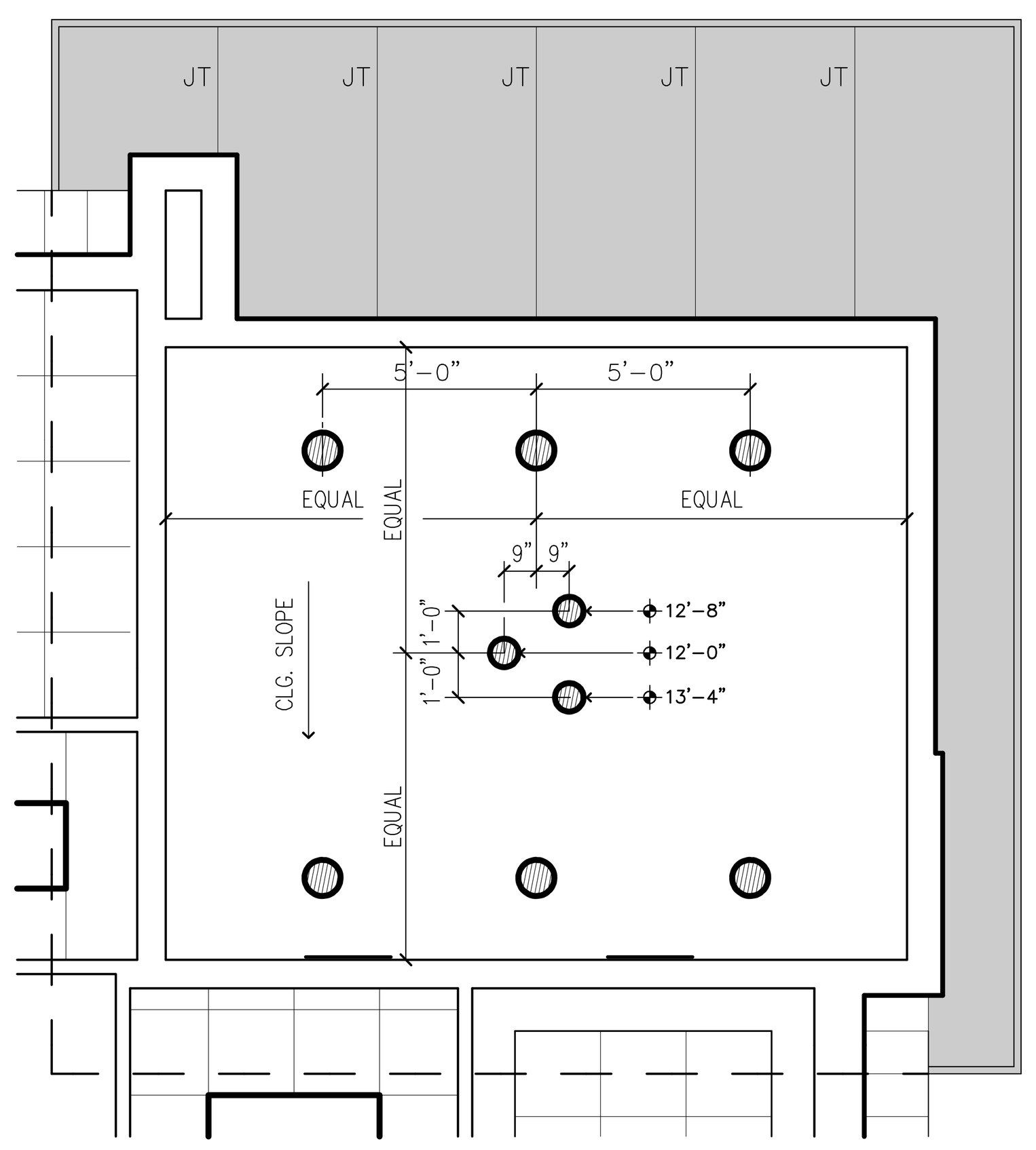
OVERALL FINISH PLAN

NORTH

A3.04

PLOT DATE: 1-28-2019
PLOT TIME: 2:11 PM
PATHNAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A3.04 FI





ENLARGED LIGHTING PLAN @ LOBBY 158

1 A4.01

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

REFLECTED CEILING PLAN

A A4.01

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

ALL FIRE AND/OR SMOKE BARRIERS OR WALLS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING ABOVE A DECORATIVE CEILING AND/OR IN CONCEALED SPACES WITH LETTERS A MINIMUM OF TWO (2) INCHES HIGH ON A CONTRASTING BACKGROUND, SPACED A MAXIMUM OF TWELVE (12) FEET ON CENTER WITH A MINIMUM OF ONE PER WALL OR BARRIER, IN ACCORDANCE WITH MODIFICATIONS OF THE 2006 STANDARD FIRE PREVENTION CODE, 120-3-3, CHAPTER 5 OF THE RULES AND REGULATIONS OF THE FIRE SAFETY COMMISSIONER. THE HOURLY RATING SHALL BE INCLUDED ON ALL RATED BARRIERS OR WALLS.

SUGGESTED WORDING :

"(--) HOUR FIRE AND SMOKE BARRIER - PROTECT ALL OPENINGS"

GENERAL REFLECTED CEILING PLAN NOTES :

1. REFER TO FINSIH SCHEDULE FOR ALL ACOUSTICAL CEILING HEIGHTS.
2. GWB SOFFIT/CEILING HEIGHTS ARE INDICATED ON THIS SHEET. IF NO HEIGHT IS GIVEN, SEE SHEET A3.01 FOR SCHEDULED HEIGHT.
3. ALL WALLS SCHEDULED TO RECEIVE SOUND ATTENUATION BLANKET INSULATION, SHALL HAVE ACOUSTICAL SEALANT INSTALLED AT TOP AND BASE OF WALL, AND HAVE SOUND ATTENUATION BLANKETS INSTALLED FULL HEIGHT OF WALL. WALLS TO EXTEND TO BOTTOM OF DECKING, UNLESS NOTED OTHERWISE.
   a. AVOID INSTALLING ELECTRICAL/DATA RECEPTACLES "BACK-TO-bACK" IN WALLS SCHEDULED TO RECEIVE SOUND ATTENUATION.
4. SOFFIT OVER COUNTER AND WALL CABINETS IN ROOM 160 TO BE INSTALLED IN ORDER TO CONCEAL HVAC EXHAUST DUCT AND 32"x16" EXHAUST AIR LOUVER.
5. COORDINATE LOCATIONS OF ALL HVAC DIFFUSERS WITH MECHANICAL, ELECTRICAL AND PLUMBING DRAWINGS.
6. REFER TO SHEET A9.06 FOR DETAIL OF SLOPED CEILING AT LOBBY 158.
7. CEILING AT MECHANICAL MEZZANINE 200 TO BE 5/8" PAINTED GWB OVER 7/8" METAL FURRING. METAL FURRING TO BE INSTALLED TO BOTTOM OF METAL TRUSS BOTTOM CHORD.
8. ALL WALLS NOTED AS 1-HR OR 2-HR TO EXTEND TO UNDERSIDE OF METAL ROOF DECKING TO MAINTAIN RATED CONTINUITY.
9. WALL AT SERVING 154/CORRIDOR 163 IS NOTED TO EXTEND TO UNDERSIDE OF METAL DECKING.

REFLECTED CEILING PLAN LEGEND :

- 3 5/8" METAL STUD FRAMING W/ 5/8" GWB ON BOTH SIDES OF METAL FRAMING.
- 3 5/8" METAL STUD FRAMING W/ 5/8" GWB ON BOTH SIDES OF FRAMING. EXTEND WALL TO BOTTOM OF DECKING. NO SOUND ATTENUATION BLANKET INSULATION REQUIRED IN WALLS.
- 3 5/8" METAL STUD FRAMING TO RECEIVE SOUND ATTENUATION BLANKET INSULATION FROM FLR TO 10'-0" A.F.F.
- 3 5/8" METAL STUD FRAMING W/ 5/8" GWB ON BOTH SIDES OF METAL FRAMING, W/ SOUND ATTENUATION BLANKET INSULATION INSTALLED FULL HEIGHT OF WALL. WALL TO EXTEND TO BOTTOM SIDE OF METAL DECKING
  NOTE: THERMAL BATT INSULATION WILL NOT BE ACCEPTED AS A SUBSTITUTE.
- 1-HR RATED WALL CONSTRUCTION. WALL ASSEMBLY TO BE 8"x8"x16" CMU.
- 2-HR RATED WALL CONSTRUCTION. WALL ASSEMBLY TO BE 8"x8"x16" CMU.
- 1-HR RATED WALL CONSTRUCTION. WALL ASSEMBLY TO BE 3 5/8" METAL FRAMING W/ (1) LAYER OF 5/8" GWB (TYPE "X") ON EACH SIDE OF STUD.
- 2 x 4 LIGHT FIXTURE (SEE ELEC. FOR TYPE)
- 1 x 4 LIGHT FIXTURE (SEE ELEC. FOR TYPE)
- RECESSED LIGHT FIXTURE (SEE ELEC. FOR TYPE)
- HVAC DIFFUSER (SEE MECH. FOR TYPE)
- 2 x 2 ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD (GWB) ON METAL FRAMING
- GWB CEILING HEIGHT

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sgrc SOUTHERN GEORGIA REGIONAL COMMISSION

STATE OF GEORGIA STEPHEN J. HART REGISTERED ARCHITECT CERTIFICATE NO. RA012350

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

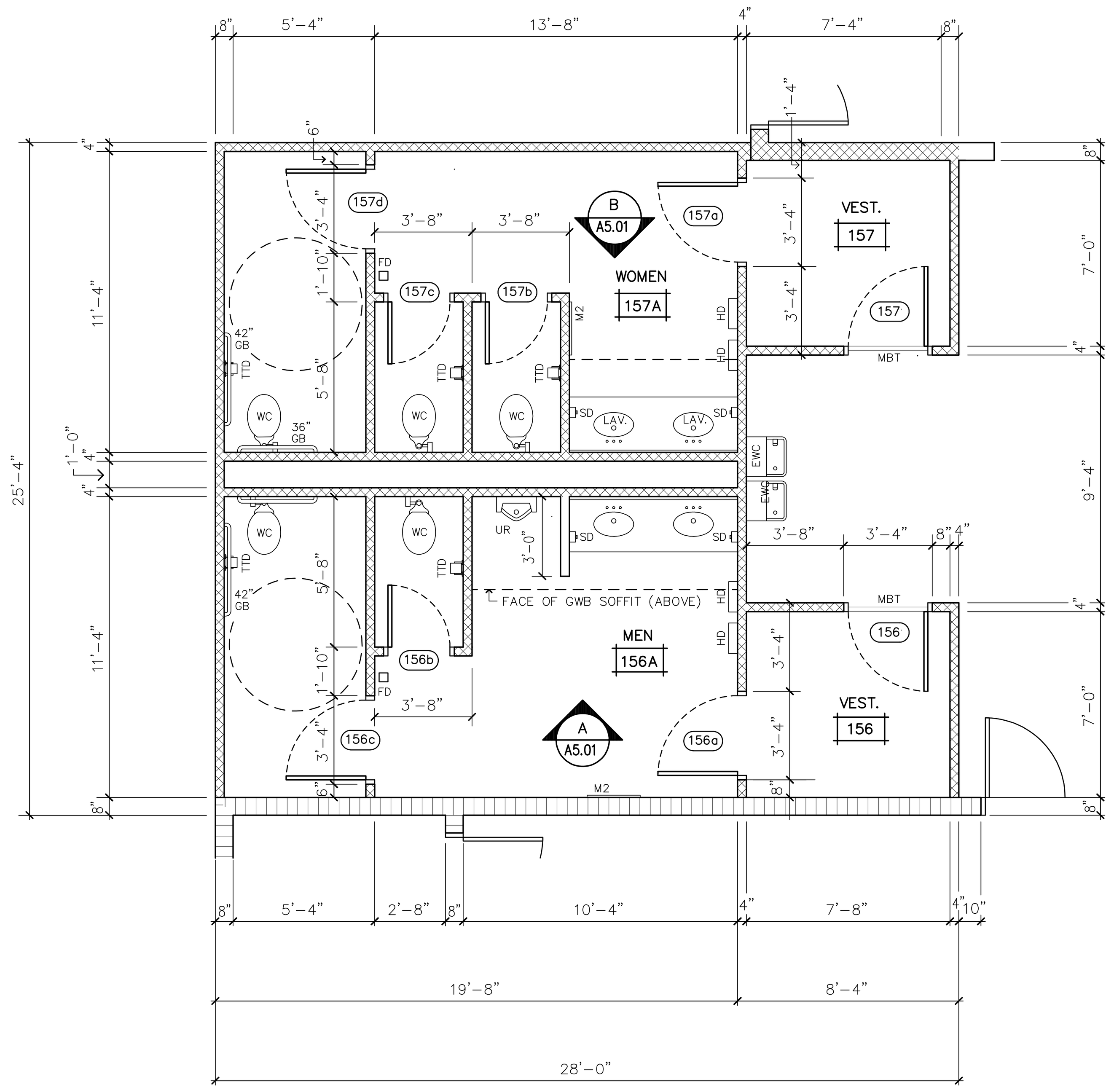
VALDOSTA, GA

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

REFLECTED CEILING PLAN

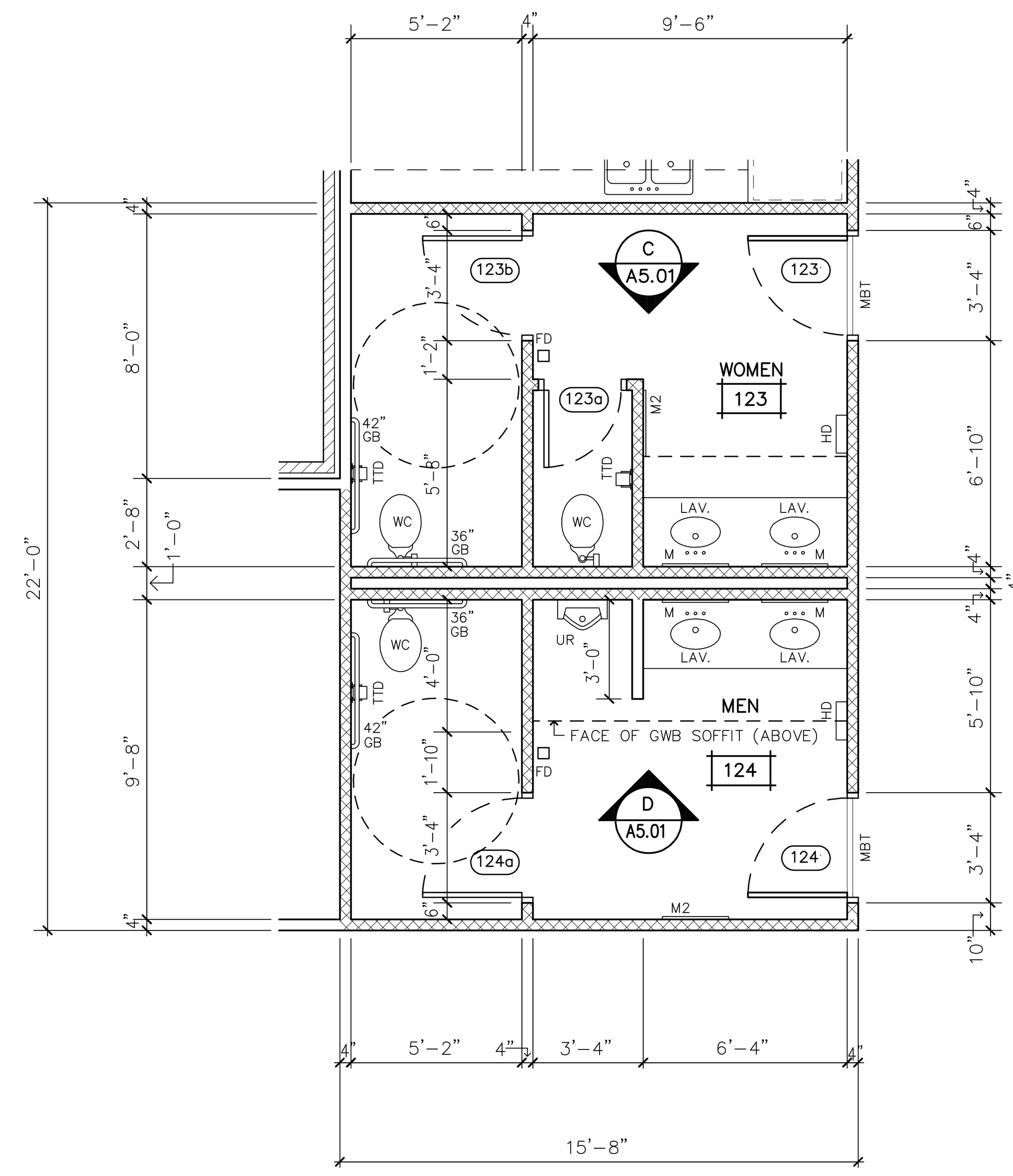
NORTH

A4.01



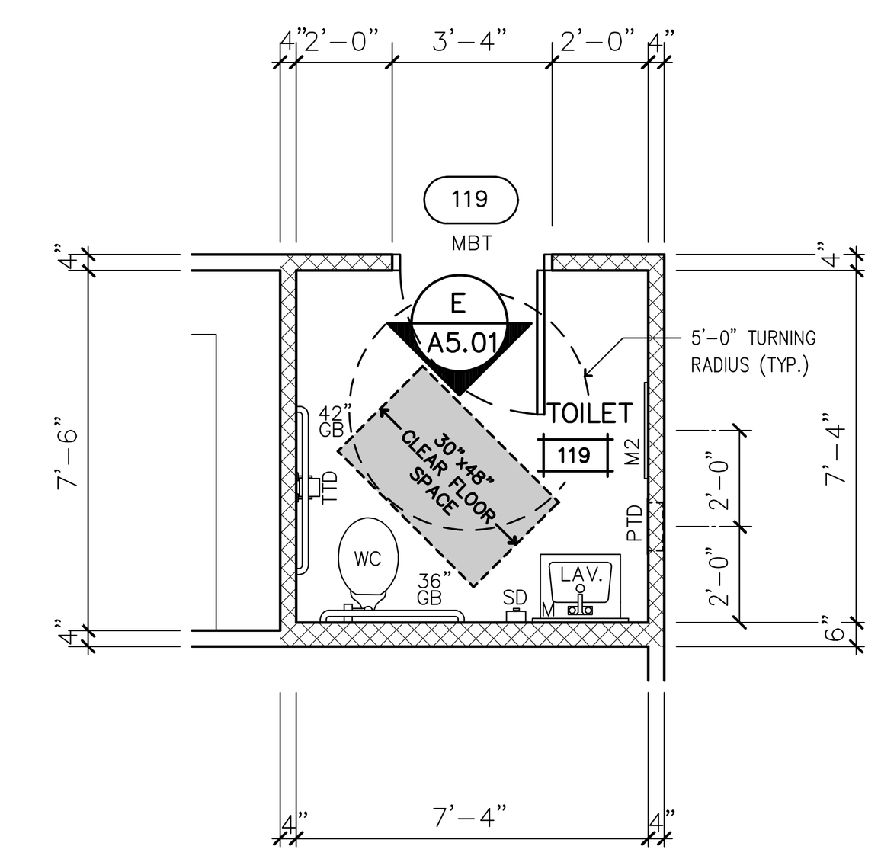
1 A5.01 ENLARGED TOILET PLAN

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



2 A5.01 ENLARGED TOILET PLAN

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



3 A5.01 ENLARGED TOILET PLAN

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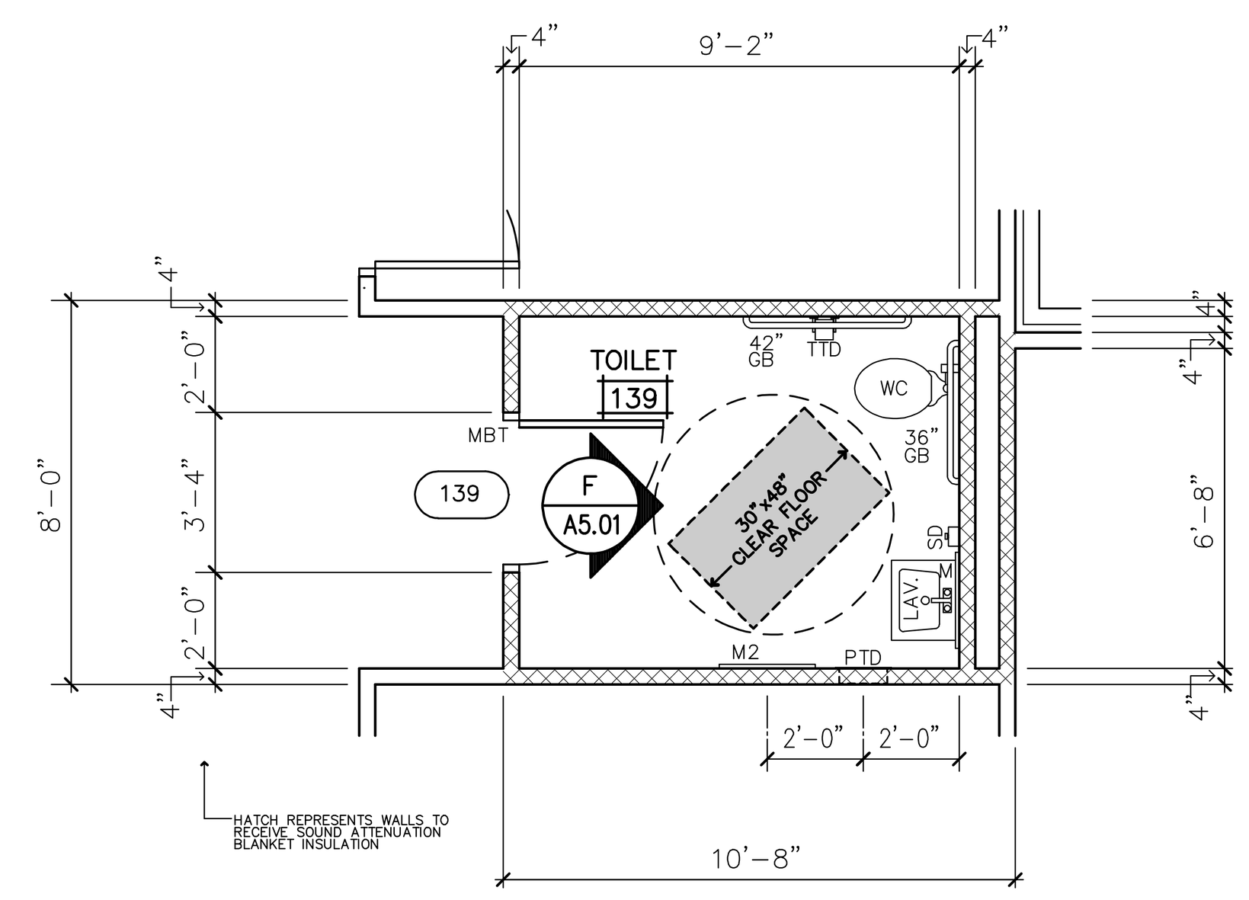

4 A5.01 ENLARGED TOILET PLAN

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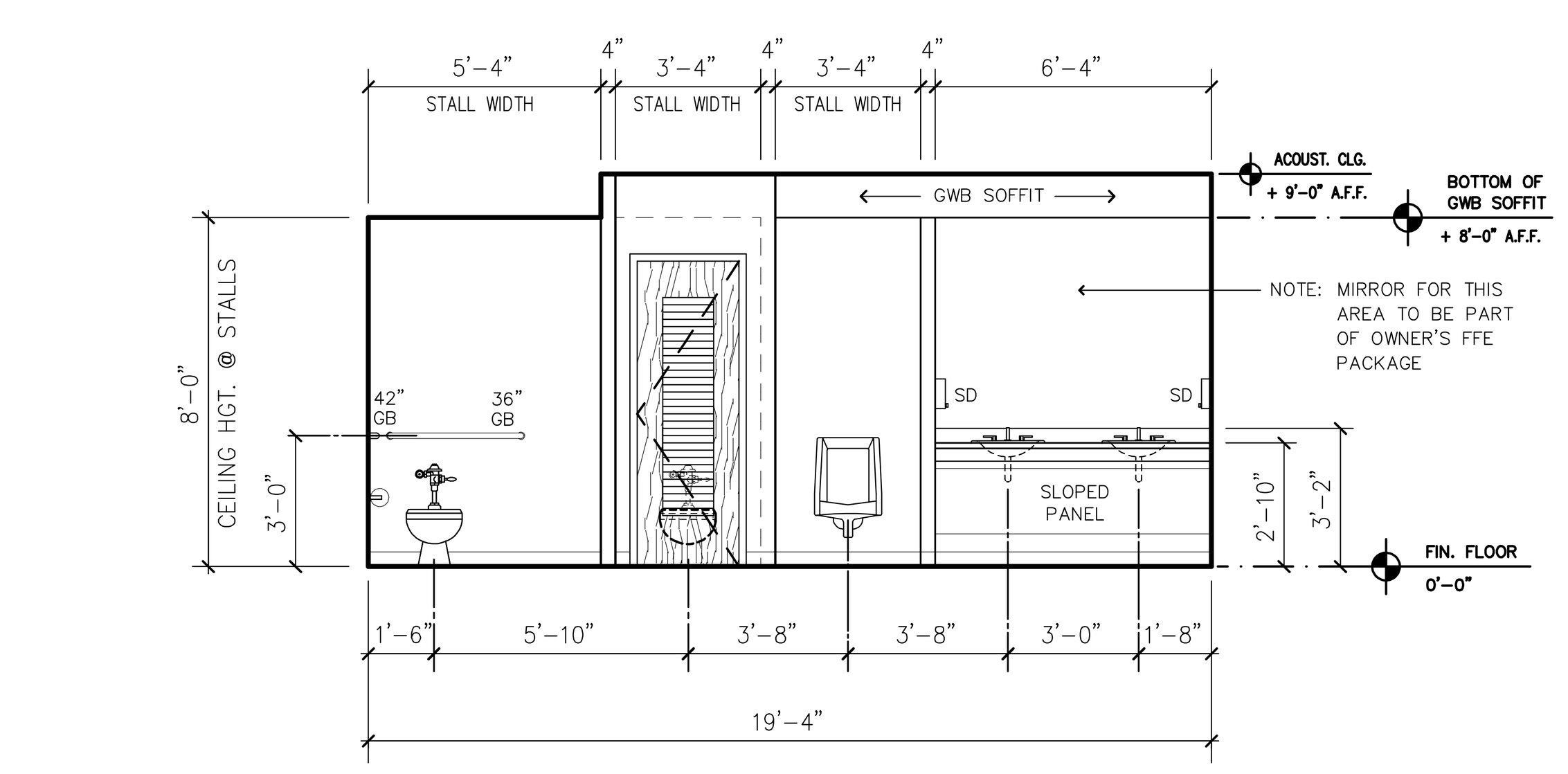
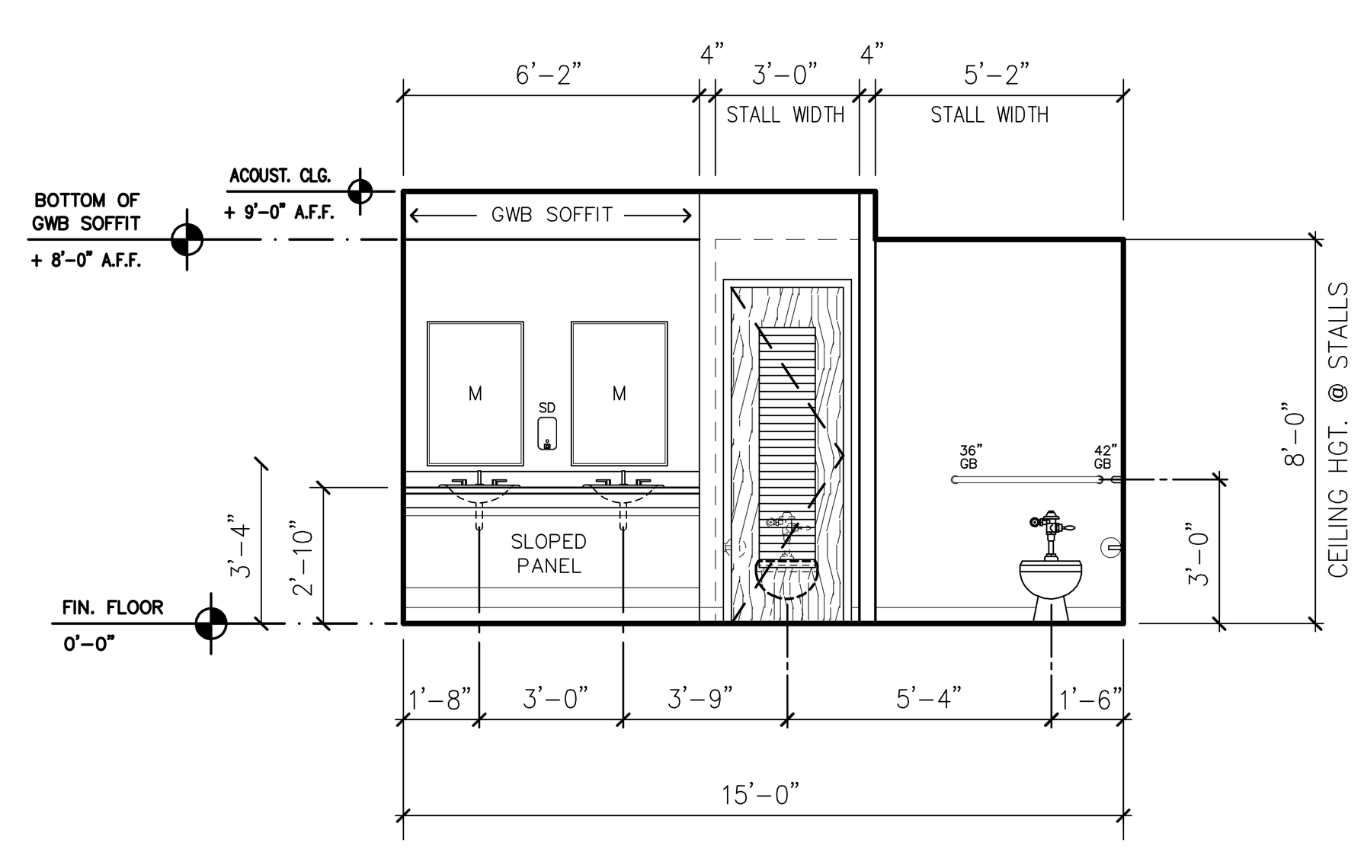


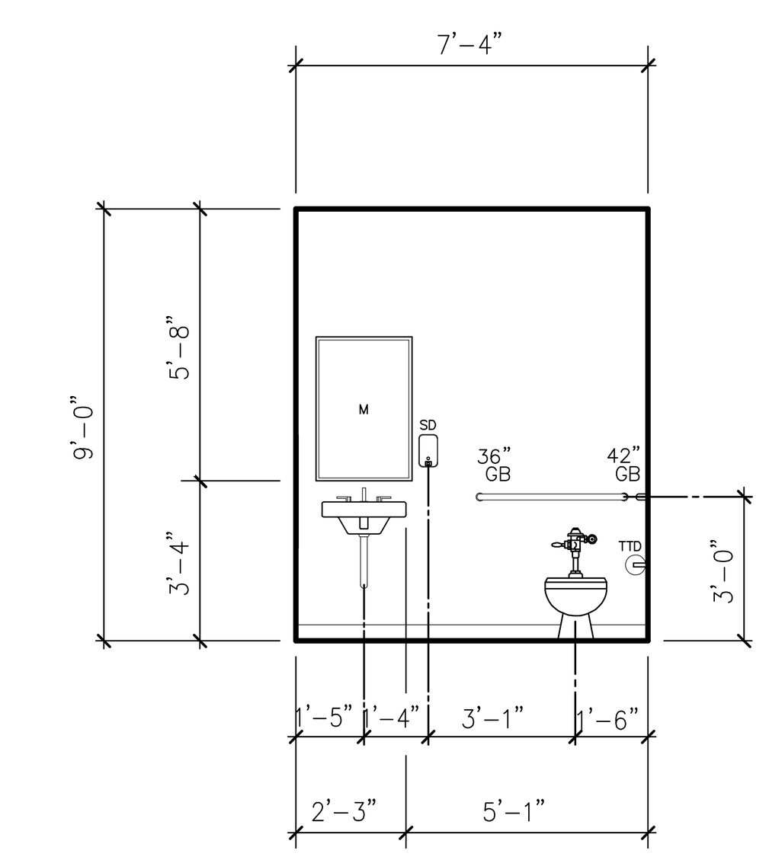
A A5.01 ELEVATION @ MEN 156A

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



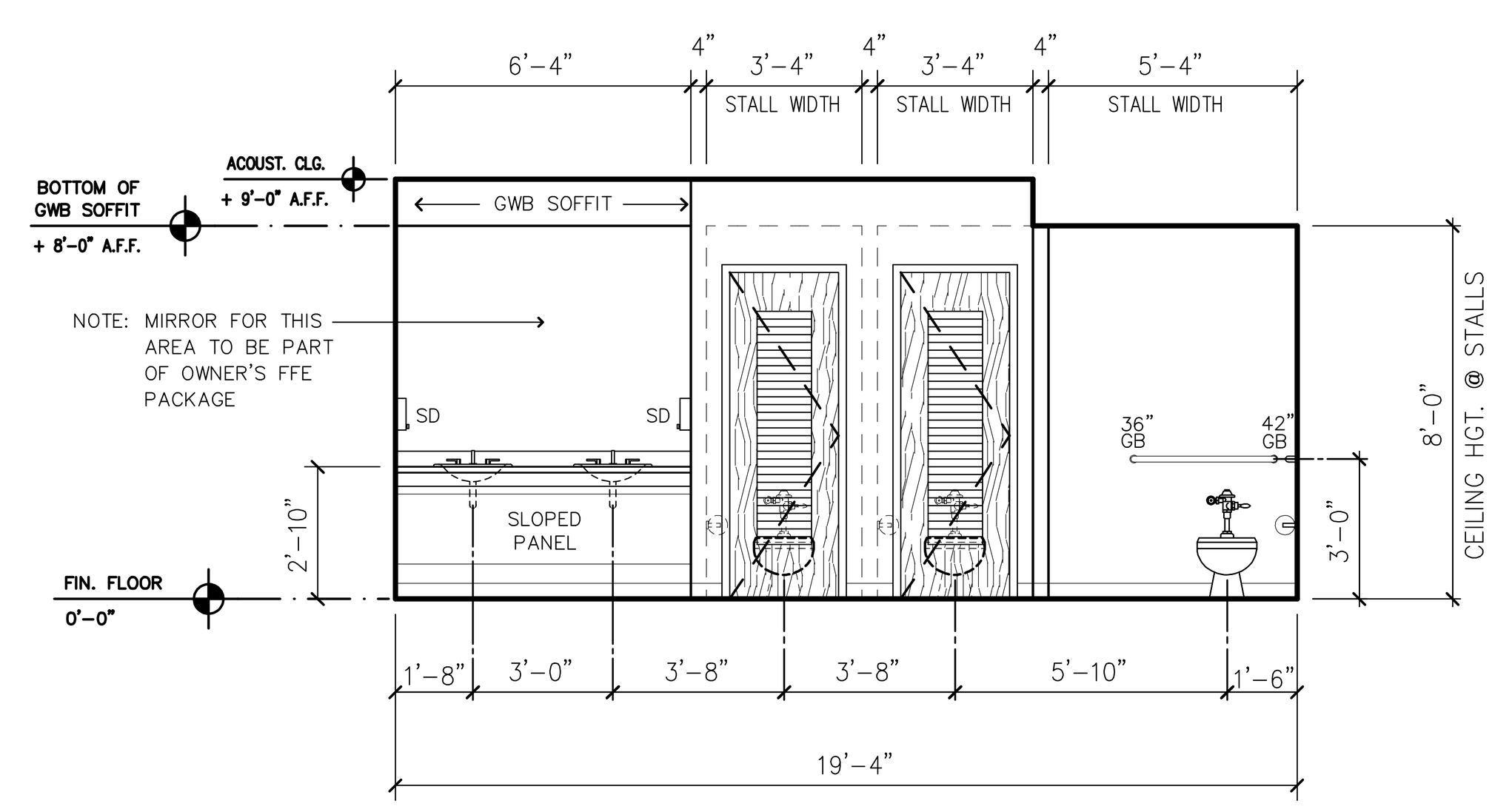
C A5.01 ELEVATION @ WOMEN 123

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



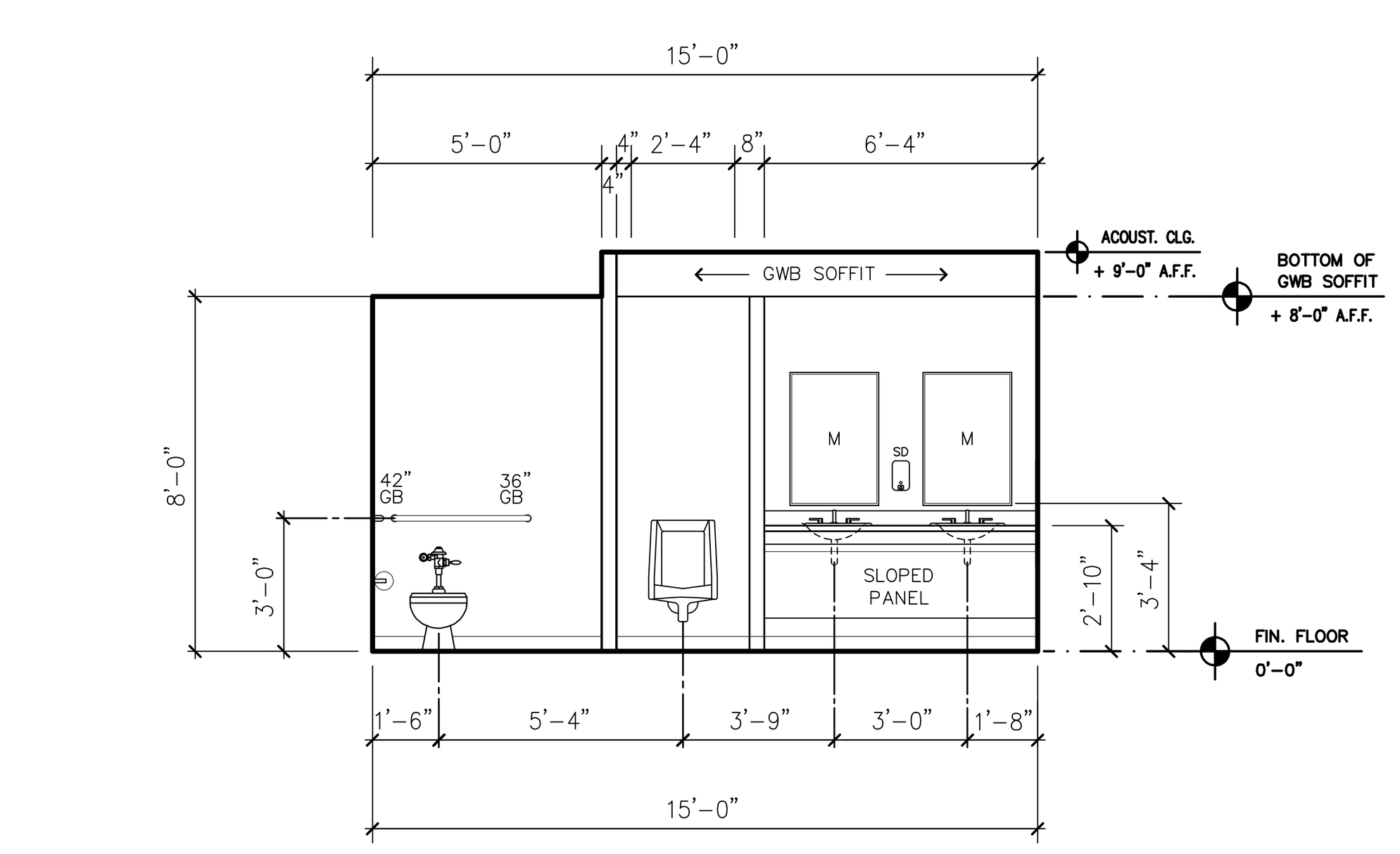
E A5.01 ELEVATION @ TOILET 119

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



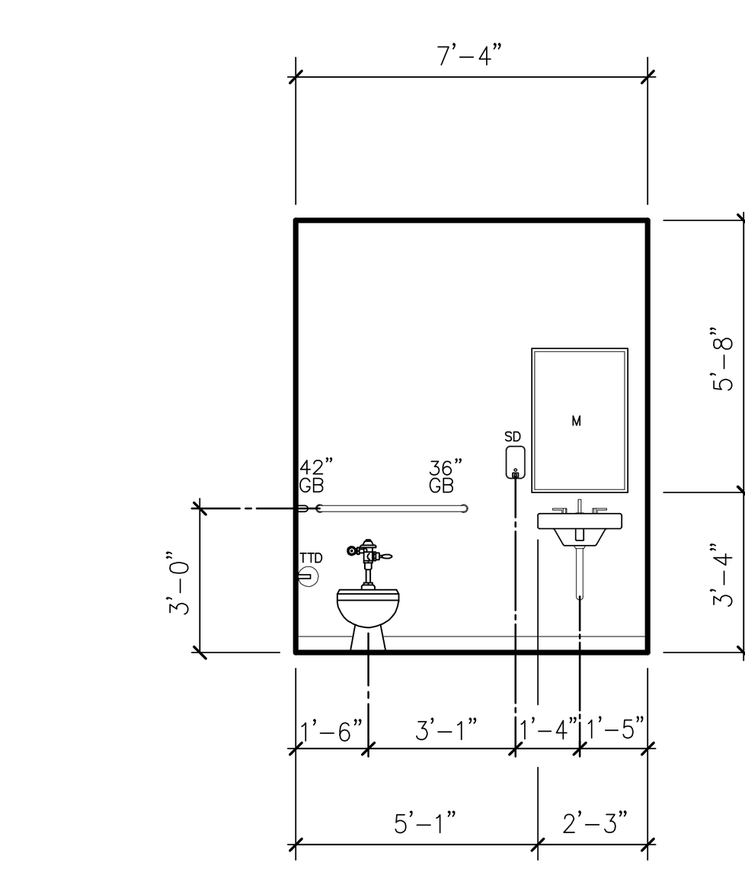
B A5.01 ELEVATION @ WOMEN 157A

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



D A5.01 ELEVATION @ MEN 124

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



F A5.01 ELEVATION @ TOILET 139

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

GENERAL ENLARGED TOILET PLANS NOTES :

1. WALLS SCHEDULED TO RECEIVE SOUND ATTENUATION BLANKET INSULATION TO HAVE INSTALLATION INSTALLED FULL HEIGHT OF WALL.
2. PROVIDE BLOCKING IN WALL FRAMING TO SUPPORT SCHEDULED TOILET ACCESSORY ITEMS.
3. REFER TO DOOR SCHEDULE ON SHEET A3.02 FOR SIZE OF ALL TOILET/ TOILET STALL DOORS.
4. MIRROR ABOVE LAVATORY FOR TOILETS 156a AND 157a ARE NOT TO BE INCLUDED IN THIS PROJECT'S SCOPE. THESE MIRRORS WILL BE PART OF OWNER'S FF&E PACKAGE. CONTRACTOR FOR THIS PROJECT WILL BE RESPONSIBLE FOR INSTALLING BLOCKING FOR THESE MIRRORS, AND ALSO RESPONSIBLE FOR PROVIDING AND INSTALLING MIRROR (M2) FOR THESE ROOMS AS NOTED ON PLANS, THIS SHEET.
5. REFER TO SHEET A3.01 FOR ALL PLASTIC LAMINATE AND COUNTERTOP FINISHES.

TOILET FIXTURE COUNT CALCULATIONS:

REQUIREMENTS CALCULATED PER 2012 IPC (TABLE 403.1):

1. BUSINESS OCCUPANCY: 135 OCCUPANTS ASSUMED 136 TOTAL = 68 (M) / 68 (F)

   PER 2012 IPC, BUSINESS OCCUPANCY REQUIRES (1) WATER CLOSET PER 25 OF THE FIRST 50 OCCUPANTS, AND (1) WATER CLOSET PER 50 OCCUPANTS REMAINING EXCEEDING 50 OCCUPANTS FOR BOTH MALE AND FEMALE OCCUPANTS

   WATER CLOSETS:
   MALE: (3) TOTAL WC
   FEMALE: (3) TOTAL WC

   PER 2012 IPC, BUSINESS OCCUPANCY REQUIRES (1) LAVATORY PER 40 OF THE FIRST 80 OCCUPANTS, AND (1) LAVATORY PER 80 OCCUPANTS REMAINING EXCEEDING 80 OCCUPANTS FOR BOTH MALE AND FEMALE OCCUPANTS

   LAVATORIES:
   MALE: (2) TOTAL LAV
   FEMALE: (2) TOTAL LAV

   PER 2012 IPC, BUSINESS OCCUPANCY REQUIRES (1) DRINKING FOUNTAIN PER 100 OCCUPANTS

   DRINKING FOUNTAINS:
   TOTAL REQUIRED: (2)

2. ASSEMBLY OCCUPANCY (A-3): 172 OCCUPANTS ASSUMED 172 TOTAL = 86 (M) / 86 (F)

   MALE:
   PER 2012 IPC, ASSEMBLY OCCUPANCY REQUIRES (1) WATER CLOSET PER 125 OCCUPANTS:

   FEMALE:
   PER 2012 IPC, ASSEMBLY OCCUPANCY REQUIRES (1) WATER CLOSET PER 65 OCCUPANTS:

   WATER CLOSETS:
   MALE: (1) TOTAL WC
   FEMALE: (2) TOTAL WC

   PER 2012 IPC, ASSEMBLY OCCUPANCY REQUIRES (1) LAVATORY PER 200 OCCUPANTS

   LAVATORIES:
   MALE: (1) TOTAL LAV
   FEMALE: (1) TOTAL LAV

   PER 2012 IPC, ASSEMBLY OCCUPANCY REQUIRES (1) DRINKING FOUNTAIN PER 500 OCCUPANTS

   DRINKING FOUNTAINS:
   TOTAL REQUIRED: (1)

3. FIXTURE COUNT COMPLIANCE

   BUSINESS OCCUPANCY:

   WC — MALE: (3) REQUIRED (2) WATER CLOSETS AND (1) URINAL PROVIDED (COMPLIES)
   FEMALE: (3) REQUIRED (3) WATER CLOSETS PROVIDED (COMPLIES)

   LAV — MALE: (2) REQUIRED (3) LAVS PROVIDED (COMPLIES)
   FEMALE: (2) REQUIRED (3) WATER CLOSETS PROVIDED (COMPLIES)

   DRINKING FOUNTAIN (2) REQUIRED (2) LAVS PROVIDED (COMPLIES)

   ASSEMBLY OCCUPANCY:

   WC — MALE: (1) REQUIRED (2) WATER CLOSETS AND (1) URINAL PROVIDED (COMPLIES)
   FEMALE: (2) REQUIRED (3) WATER CLOSETS PROVIDED (COMPLIES)

   LAV — MALE: (1) REQUIRED (2) LAVS PROVIDED (COMPLIES)
   FEMALE: (1) REQUIRED (2) WATER CLOSETS PROVIDED (COMPLIES)

   DRINKING FOUNTAIN (1) REQUIRED (2) LAVS PROVIDED (COMPLIES)

TOILET ACCESSORIES BASIS OF DESIGN

HD — MODEL NO. B-7128 BOBRICK

PTD — MODEL NO. B-369 BOBRICK

TTD — MODEL NO. B-685 BOBRICK

GB — MODEL NO. B-5806 BOBRICK
36" — B-5806x36
42" — B-5806x42

SD — MODEL NO. B-2111 BOBRICK

M — MODEL NO. B-165 2436 BOBRICK

M2 — MODEL NO. B-165 2460 BOBRICK

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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

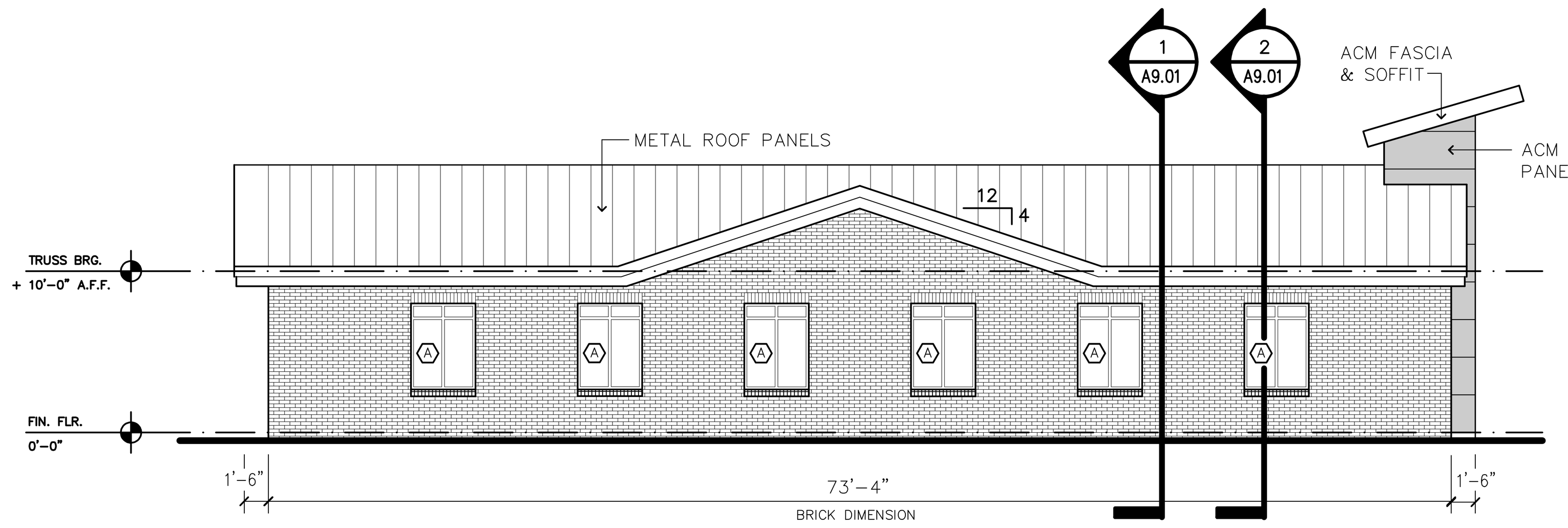
VALDOSTA, GA

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

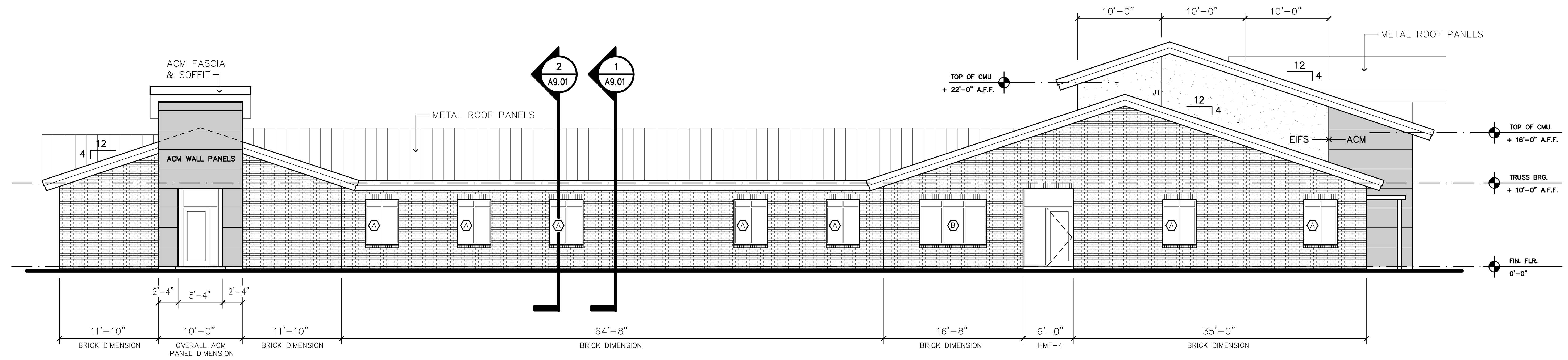
ENLARGED TOILET PLANS

NORTH

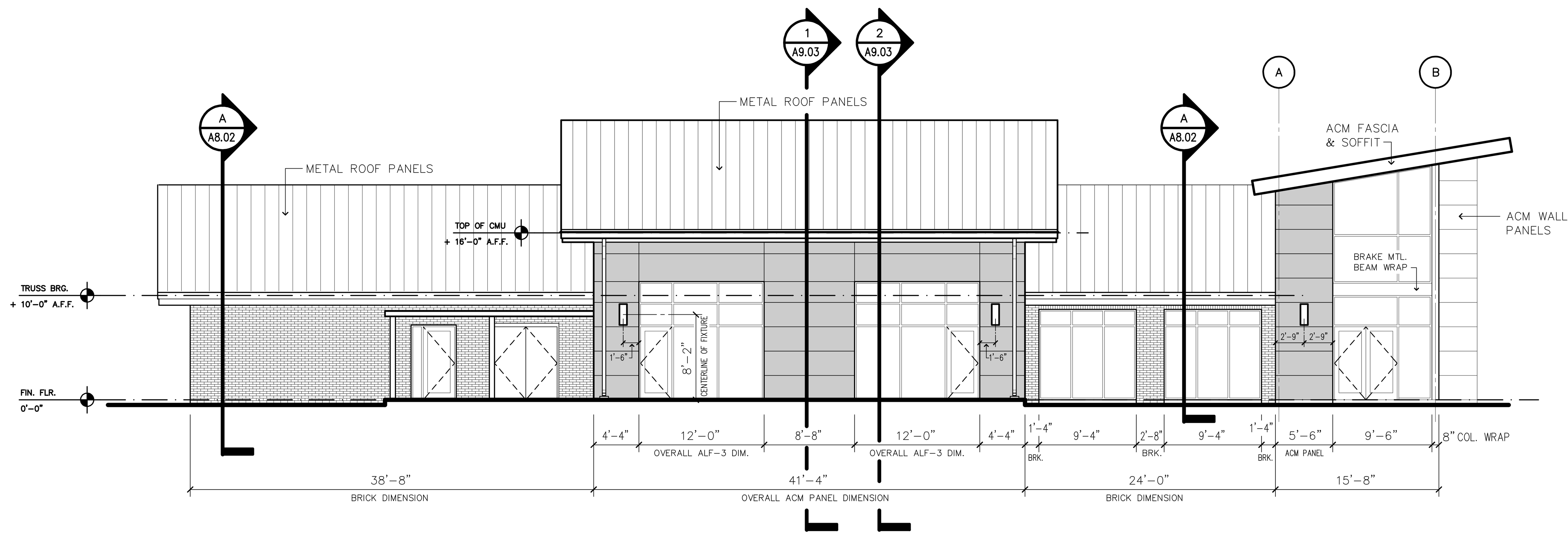
A5.01



1 A7.01 **PARTIAL WEST ELEVATION**
SCALE: 1/8" = 1'-0"



2 A7.01 **PARTIAL SOUTH ELEVATION**
SCALE: 1/8" = 1'-0"



3 A7.01 **PARTIAL EAST ELEVATION**
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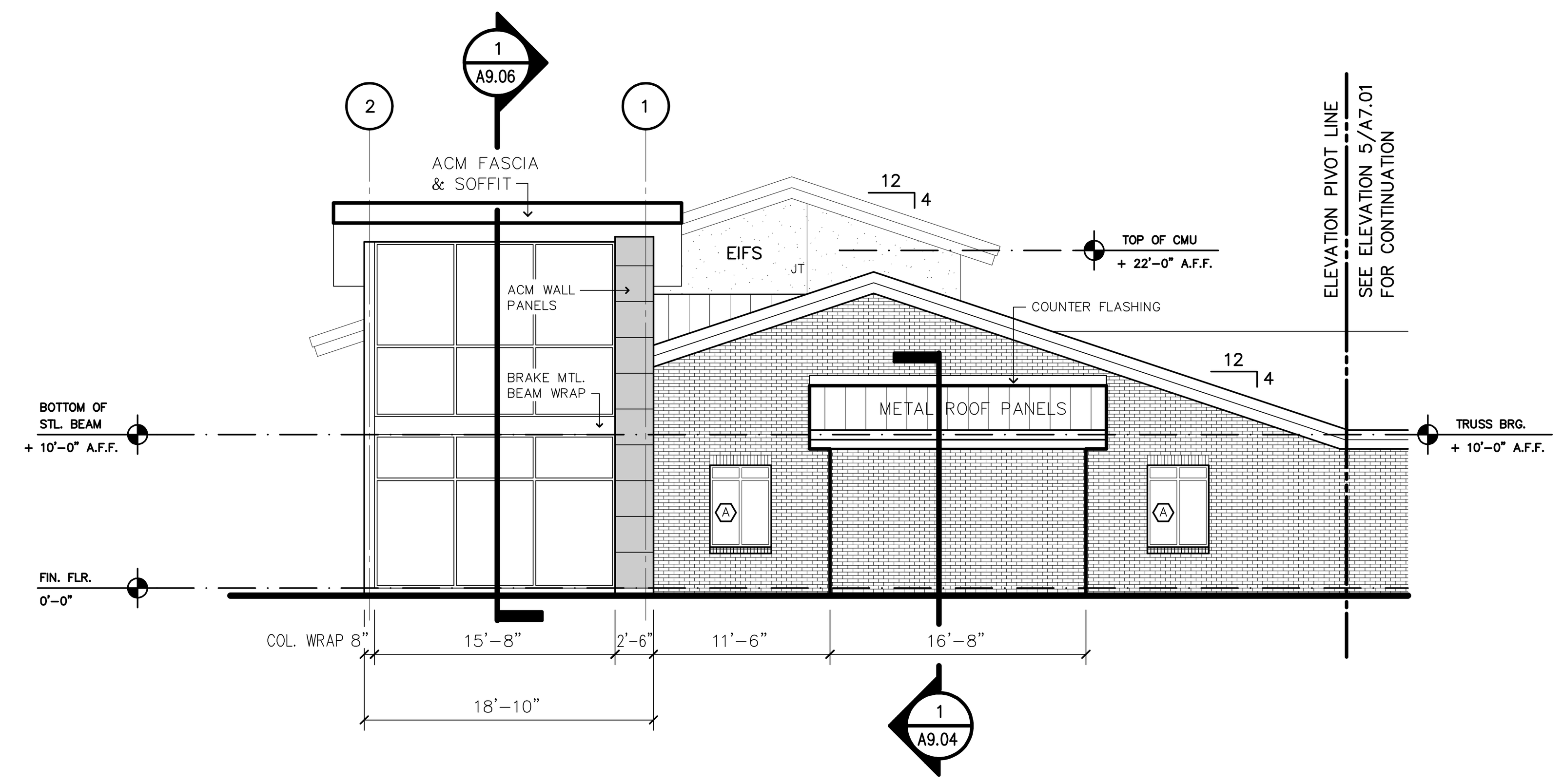

4 A7.01 **PARTIAL NORTH ELEVATION**
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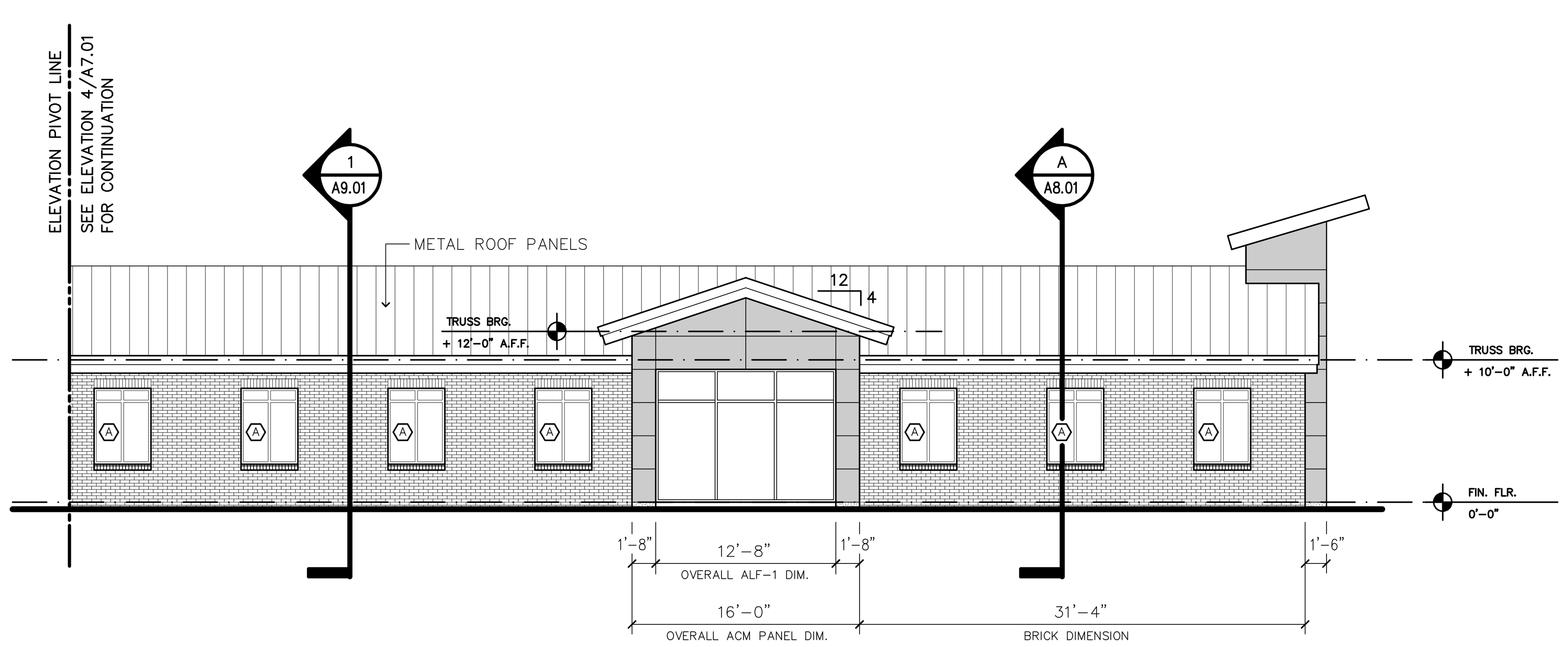
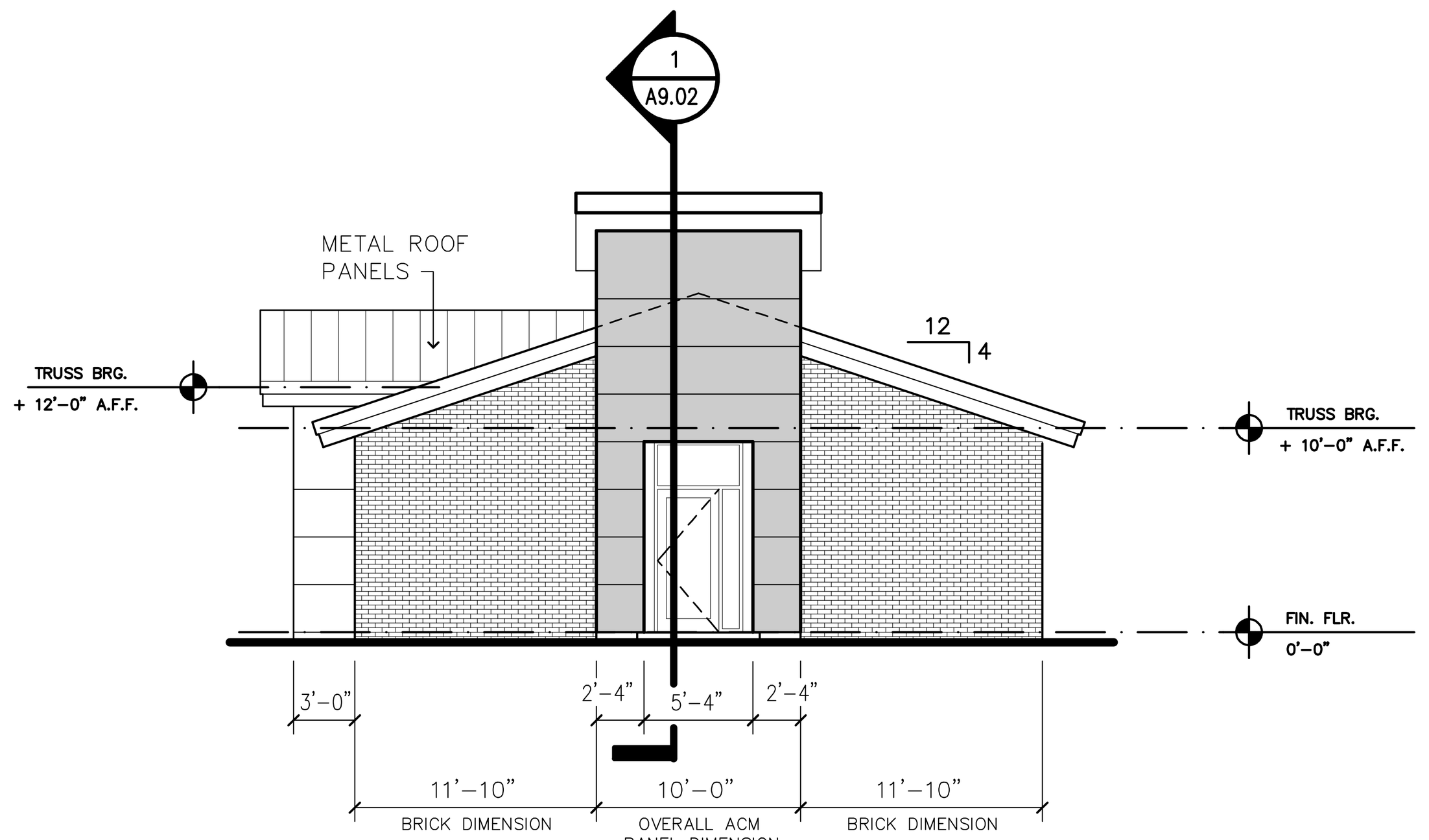


5 A7.01 **PARTIAL NORTH ELEVATION**
SCALE: 1/8" = 1'-0"



6 A7.01 **PARTIAL WEST ELEVATION**
SCALE: 1/8" = 1'-0"

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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

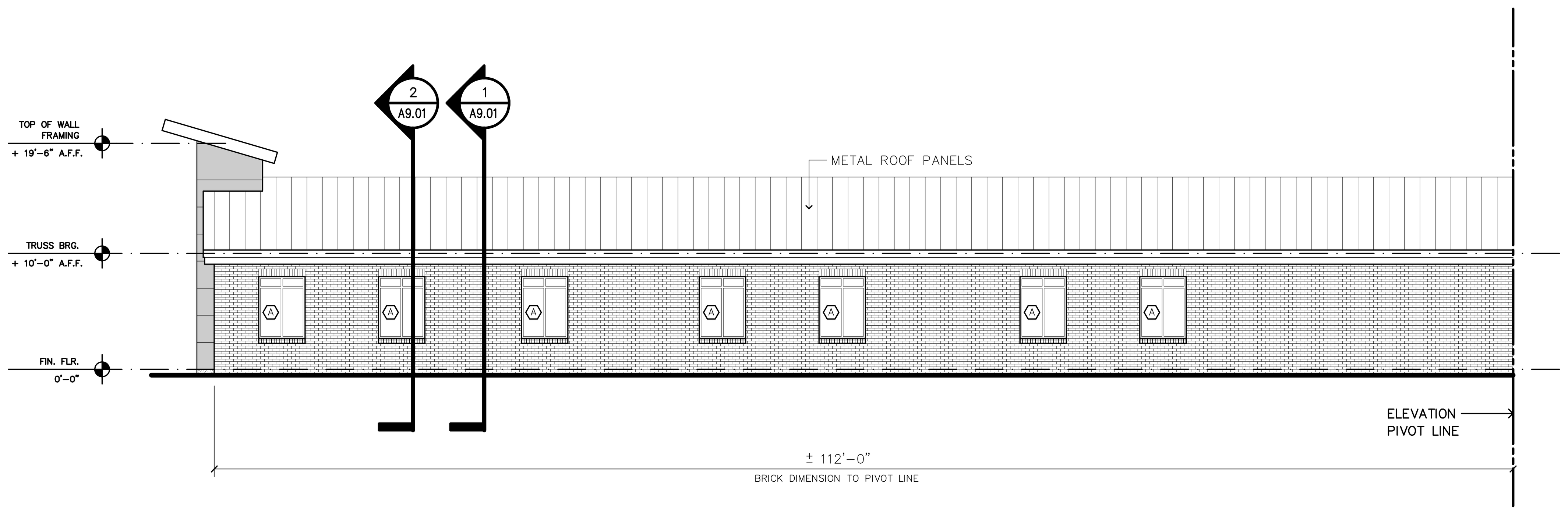
VALDOSTA, GA

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

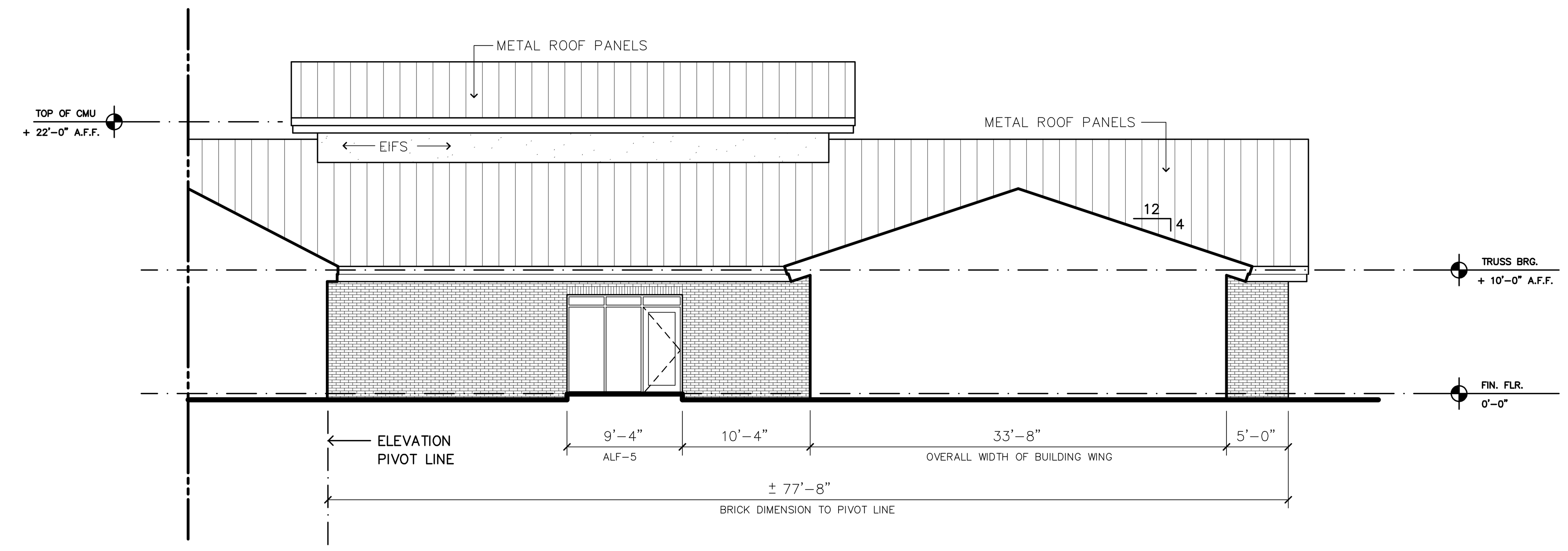
EXTERIOR ELEVATIONS

NORTH

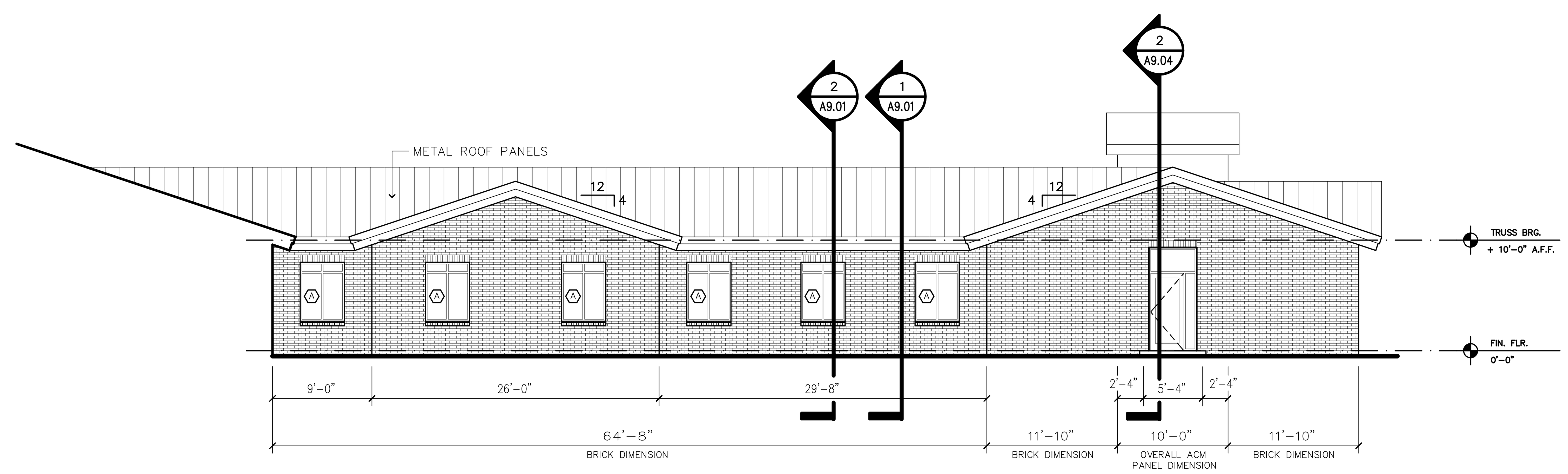
A7.01



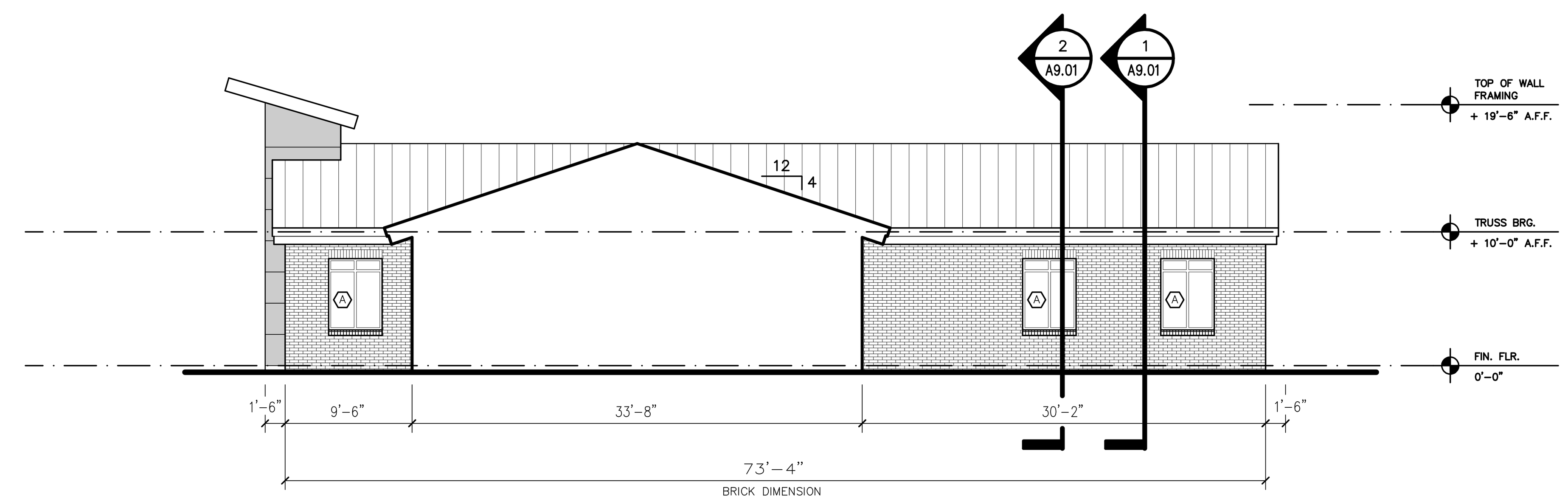
7 A7.02 **PARTIAL SOUTH ELEVATION**



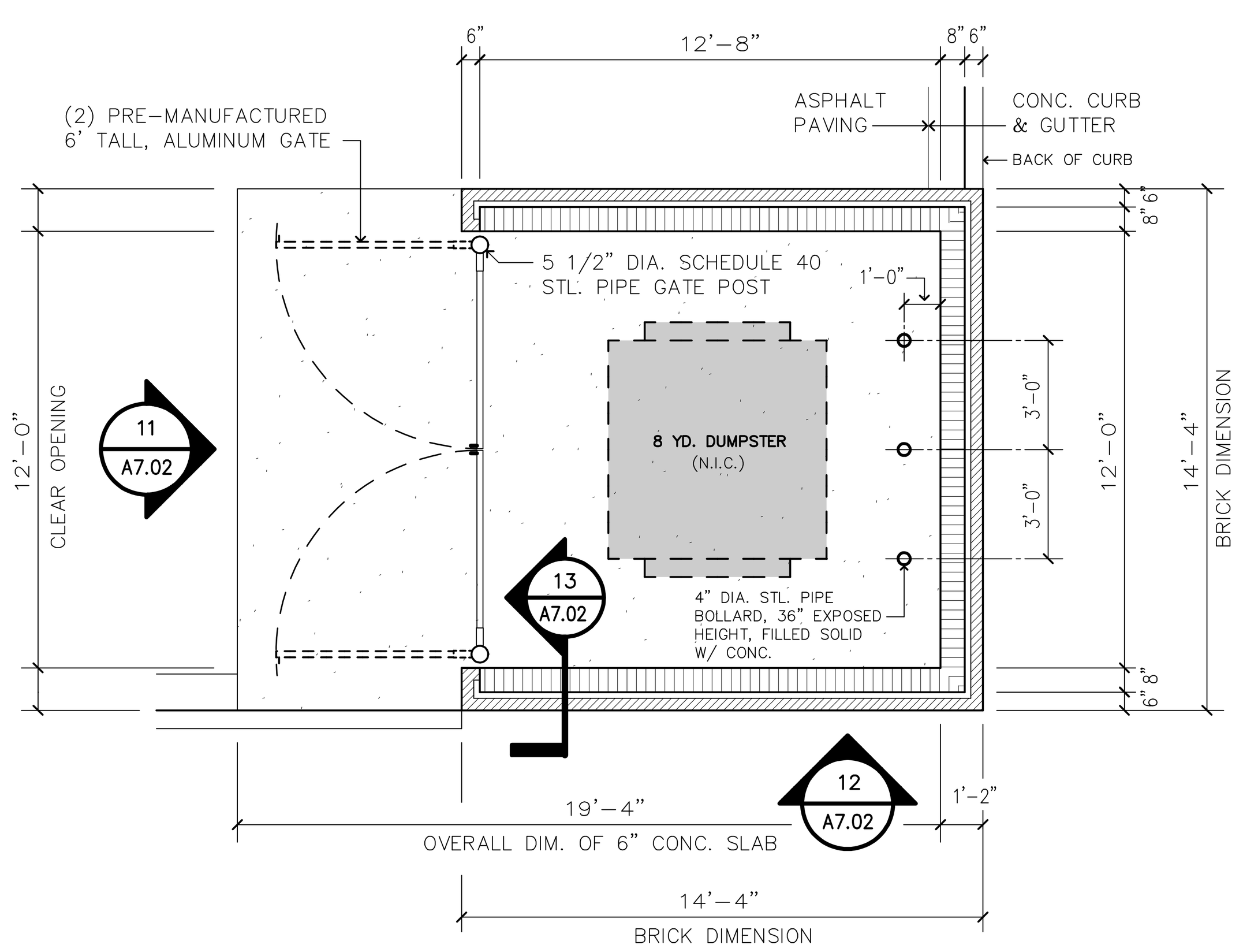
8 A7.02 **PARTIAL WEST ELEVATION**



9 A7.02 **PARTIAL NORTH ELEVATION**



10 A7.02 **PARTIAL EAST ELEVATION**



A A7.02 **ENLARGED TRASH ENCLOSURE PLAN**
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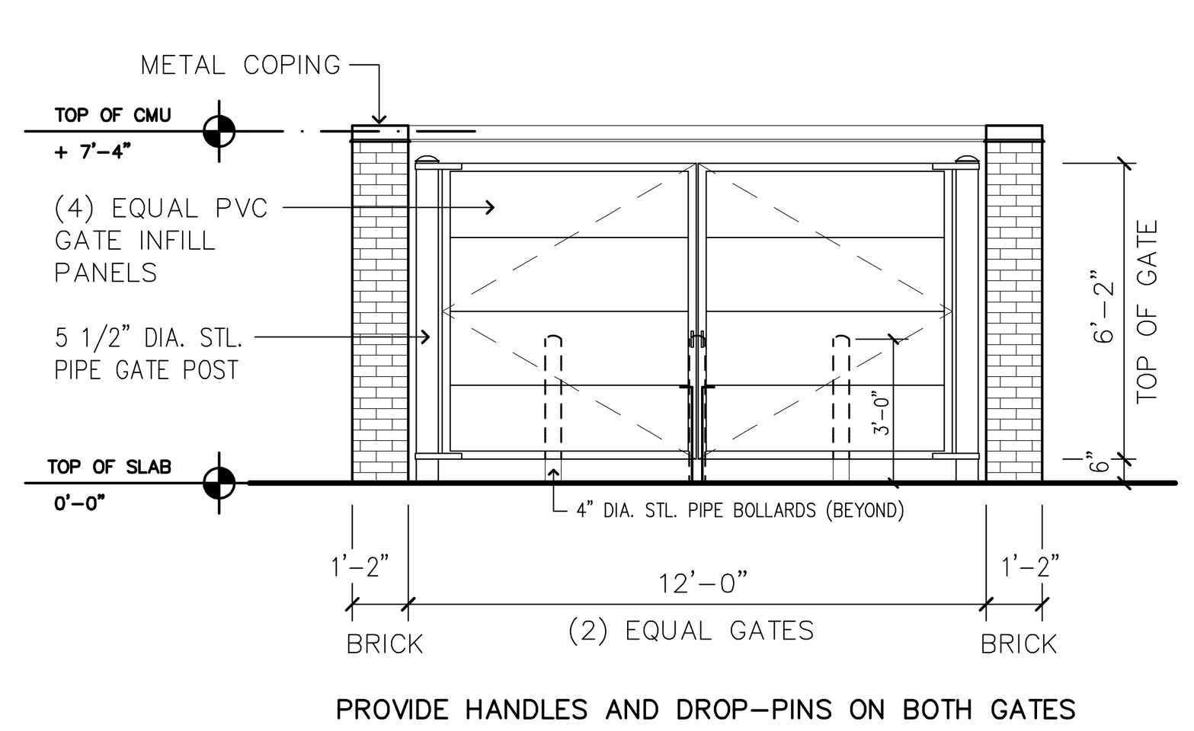
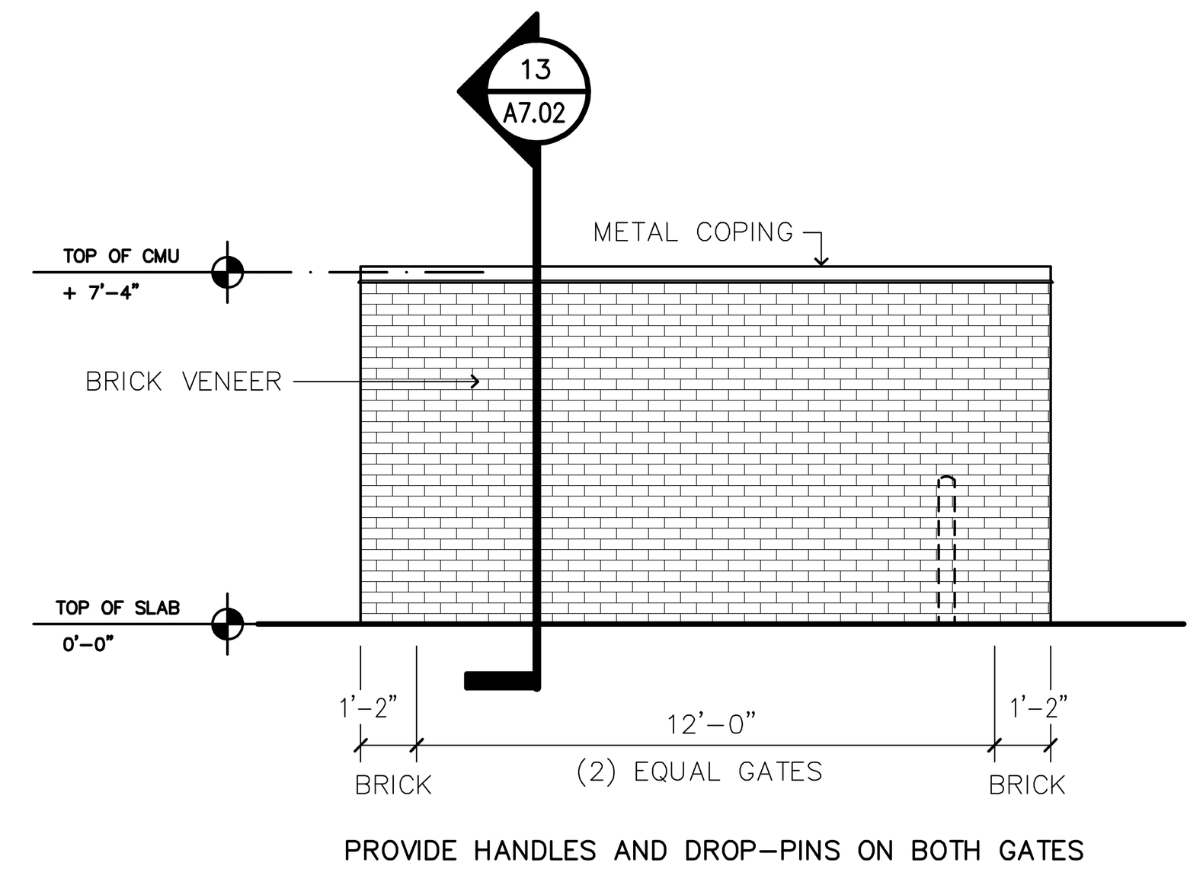


11 A7.02 **ELEVATION @ TRASH ENCLOSURE**
SCALE: 1/4" = 1'-0"



12 A7.02 **ELEVATION @ TRASH ENCLOSURE**
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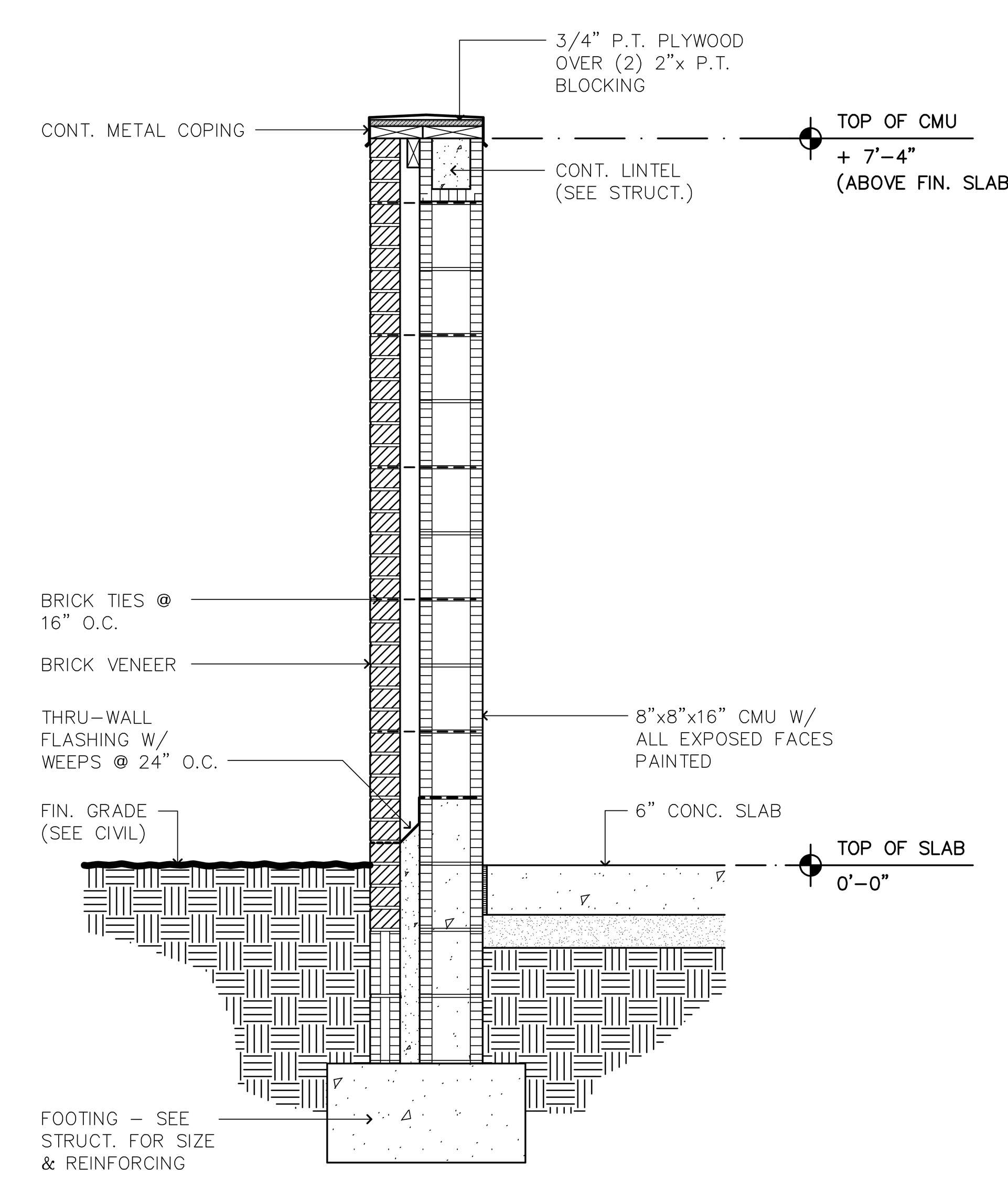

13 A7.02 **SECTION THRU TRASH ENCLOSURE**
SCALE: 3/4" = 1'-0"

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SOUTHERN GEORGIA REGIONAL COMMISSION

STATE OF GEORGIA STEPHEN J. HART REGISTERED ARCHITECT

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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

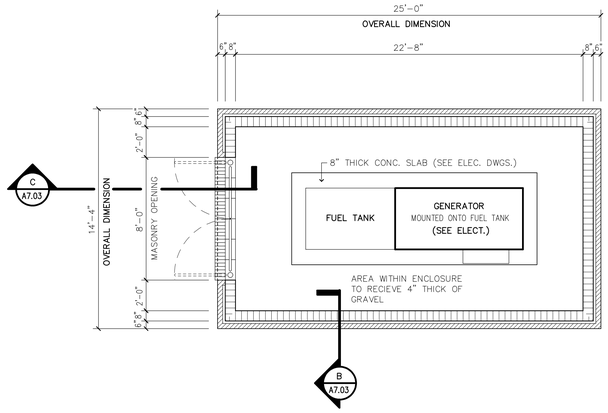
SCALE: 1/8" = 1'-0"

EXTERIOR ELEVATIONS

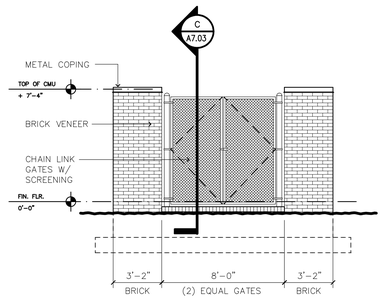
NORTH

A7.02

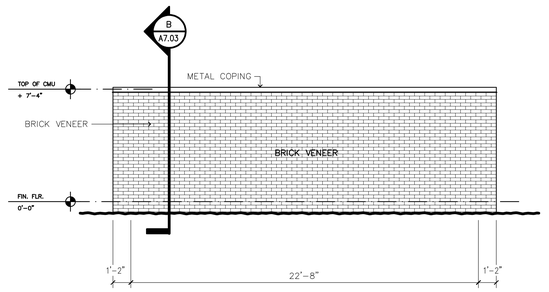
PLOT DATE: 9-19-2018
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A7.01



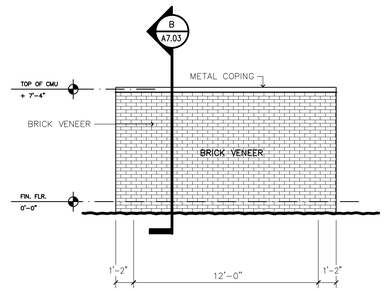
A A7.03 **GENERATOR ENCLOSURE ENLARGED FLOOR PLAN**



1 A7.03 **ELEVATION @ GENERATOR ENCLOSURE**
SCALE: 1/4" = 1'-0"



2 A7.03 **ELEVATION @ GENERATOR ENCLOSURE**
SCALE: 1/4" = 1'-0"



3 A7.03 **ELEVATION @ GENERATOR ENCLOSURE**
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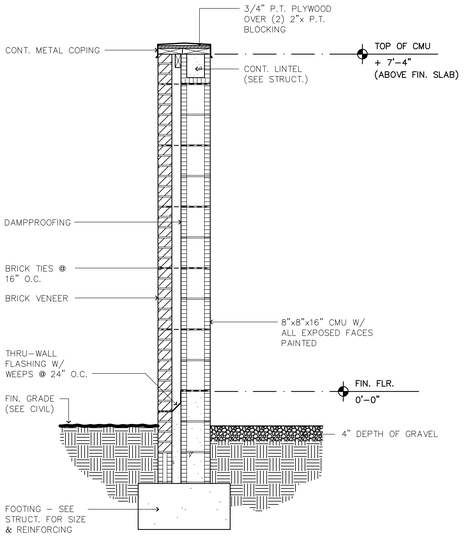
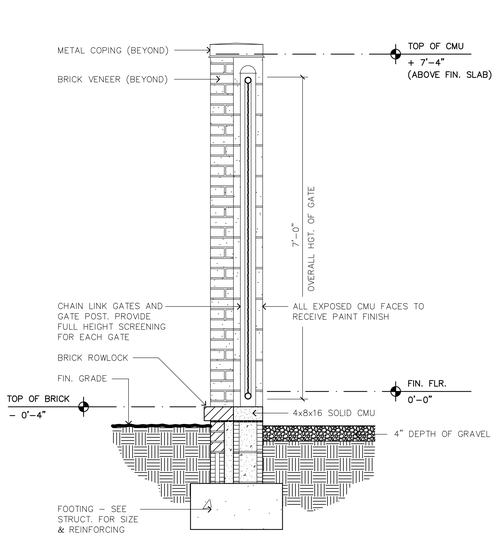
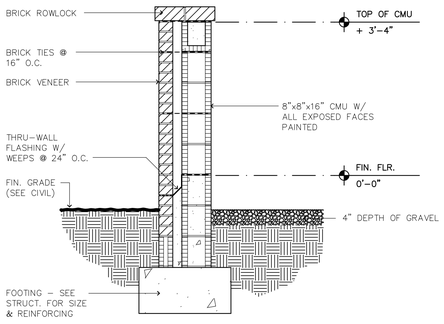


B A7.03 **SECTION THRU GENERATOR ENCLOSURE**
SCALE: 3/4" = 1'-0"



C A7.03 **SECTION THRU GENERATOR ENCLOSURE**
SCALE: 3/4" = 1'-0"



D A7.03 **SECTION THRU MECHANICAL SCREEN WALL**
SCALE: 3/4" = 1'-0"

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STATE OF GEORGIA
STEPHEN D. HASH
CERTIFICATE NO. 040360
REGISTERED ARCHITECT

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VALDOSTA, GA

0 1 2 3 4 5 6 7 8'

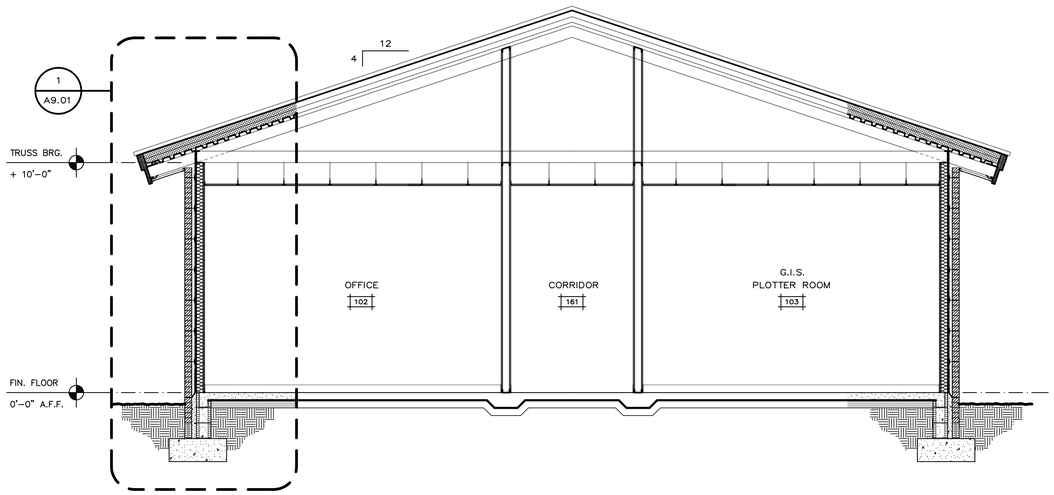
SCALE: 1/4" = 1'-0"

GENERATOR ENCLOSURE ELEVATIONS

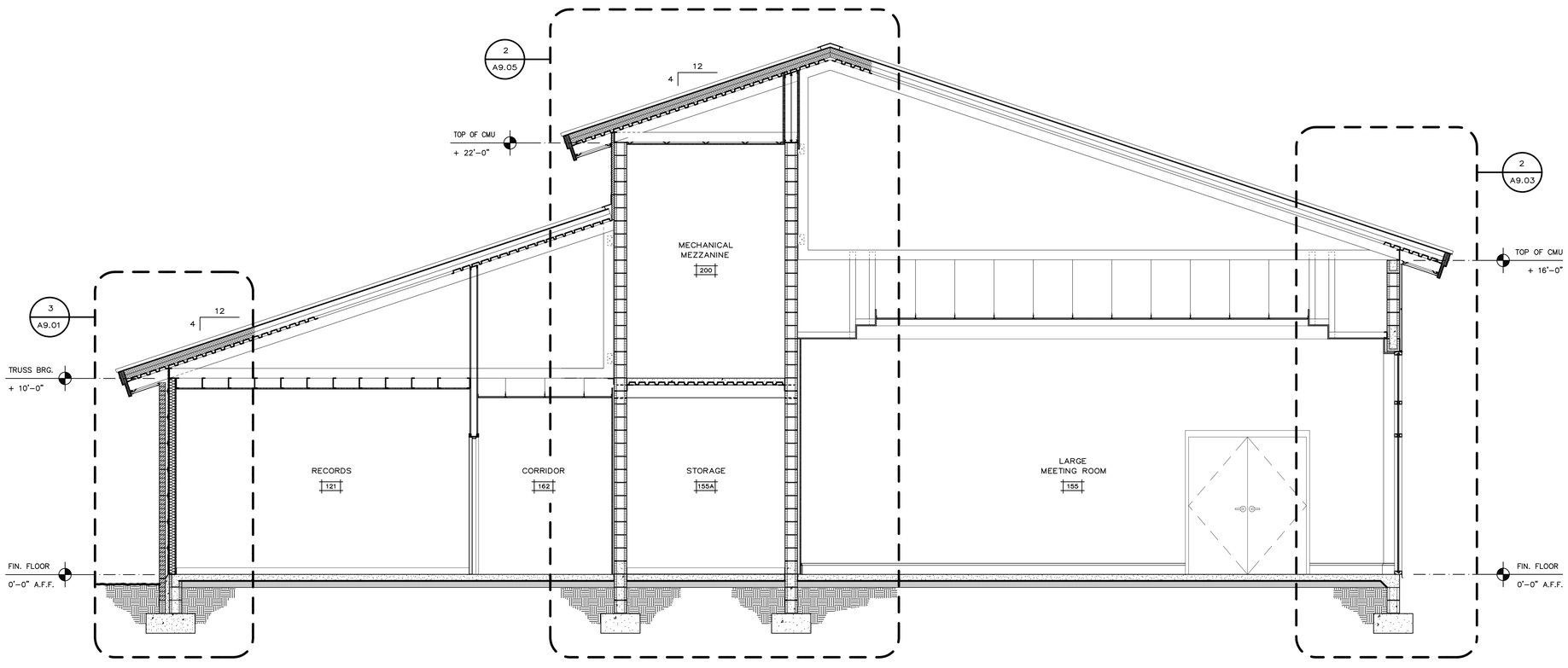
NORTH

A7.03

PLOT DATE: 12-11-2018
PLOT TIME: 9:09 AM
PLOTTED NAME: N:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A7.03



A
A8.01
BUILDING SECTION
SCALE : 3/8" = 1'-0"



B
A8.01
BUILDING SECTION
SCALE : 3/8" = 1'-0"

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SOUTHERN GEORGIA
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STATE OF GEORGIA
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VALDOSTA, GA

0 1'6" 3' 6'

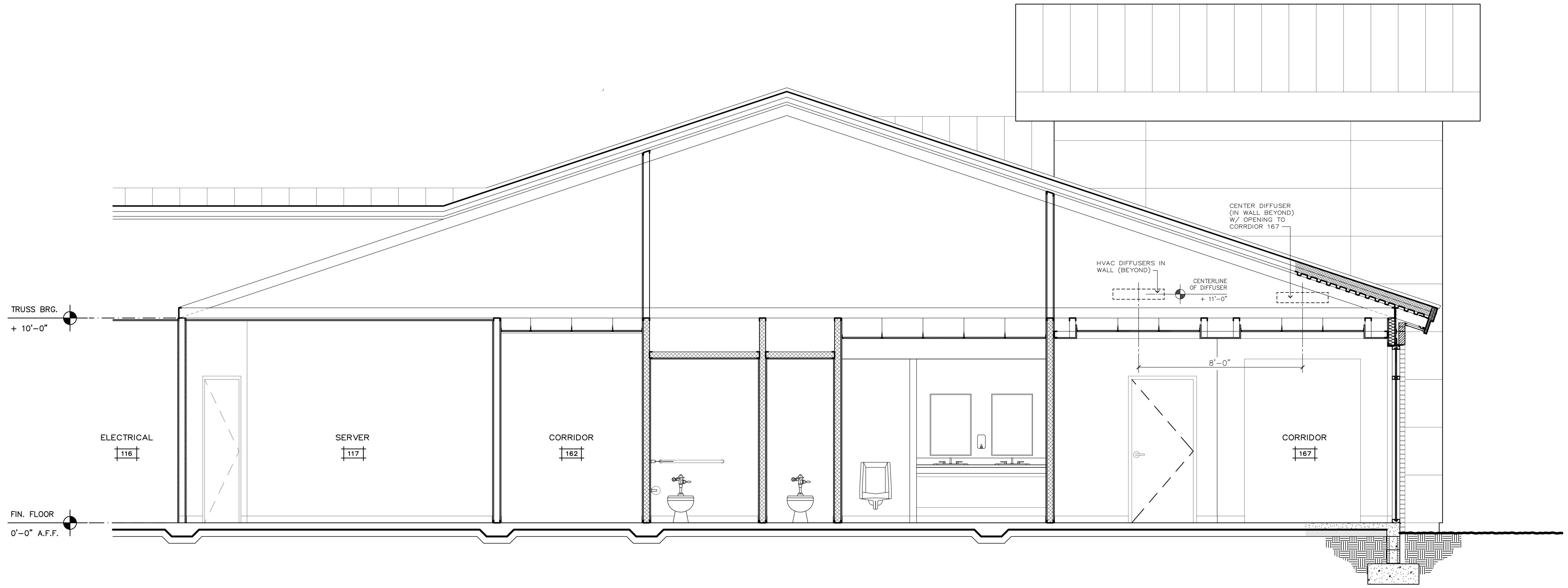
SCALE: 3/8" = 1'-0"

BUILDING SECTIONS

NORTH

A8.01

PLOT DATE: 10-9-2018
PLOT TIME: 9:38 AM
PLOTNAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A8.01



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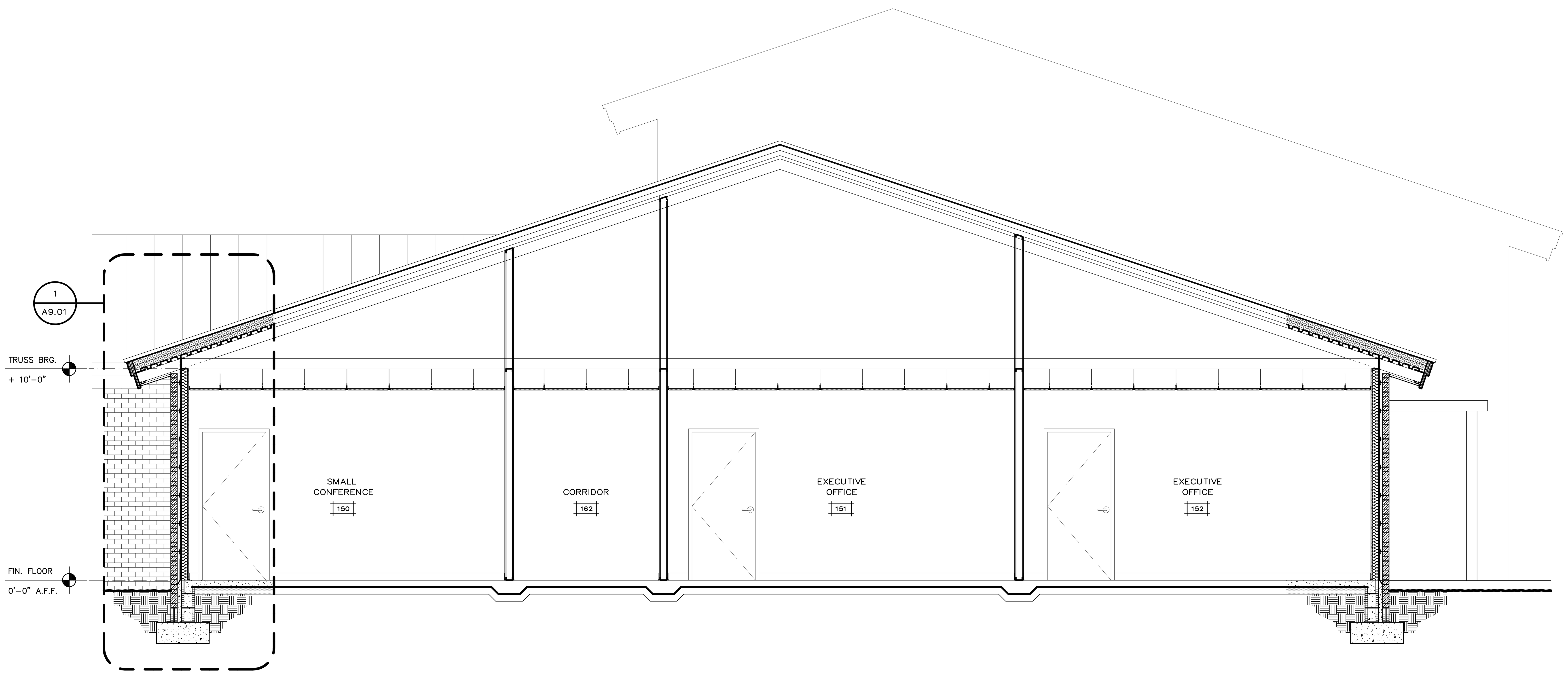
A8.02

BUILDING SECTION

SCALE : 3/8" = 1'-0"



B
A8.02

BUILDING SECTION

SCALE : 3/8" = 1'-0"

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	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

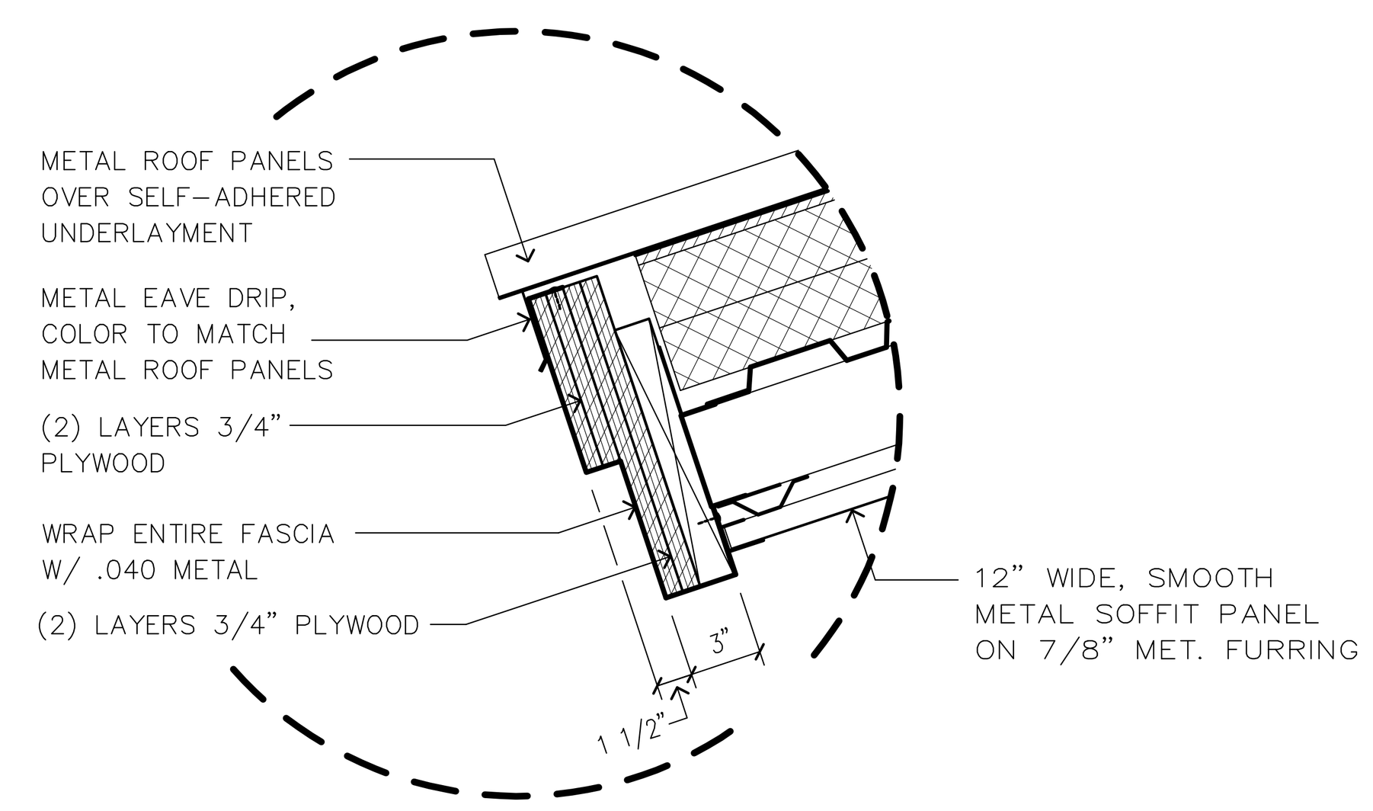
VALDOSTA, GA

SCALE: 3/8" = 1'-0"

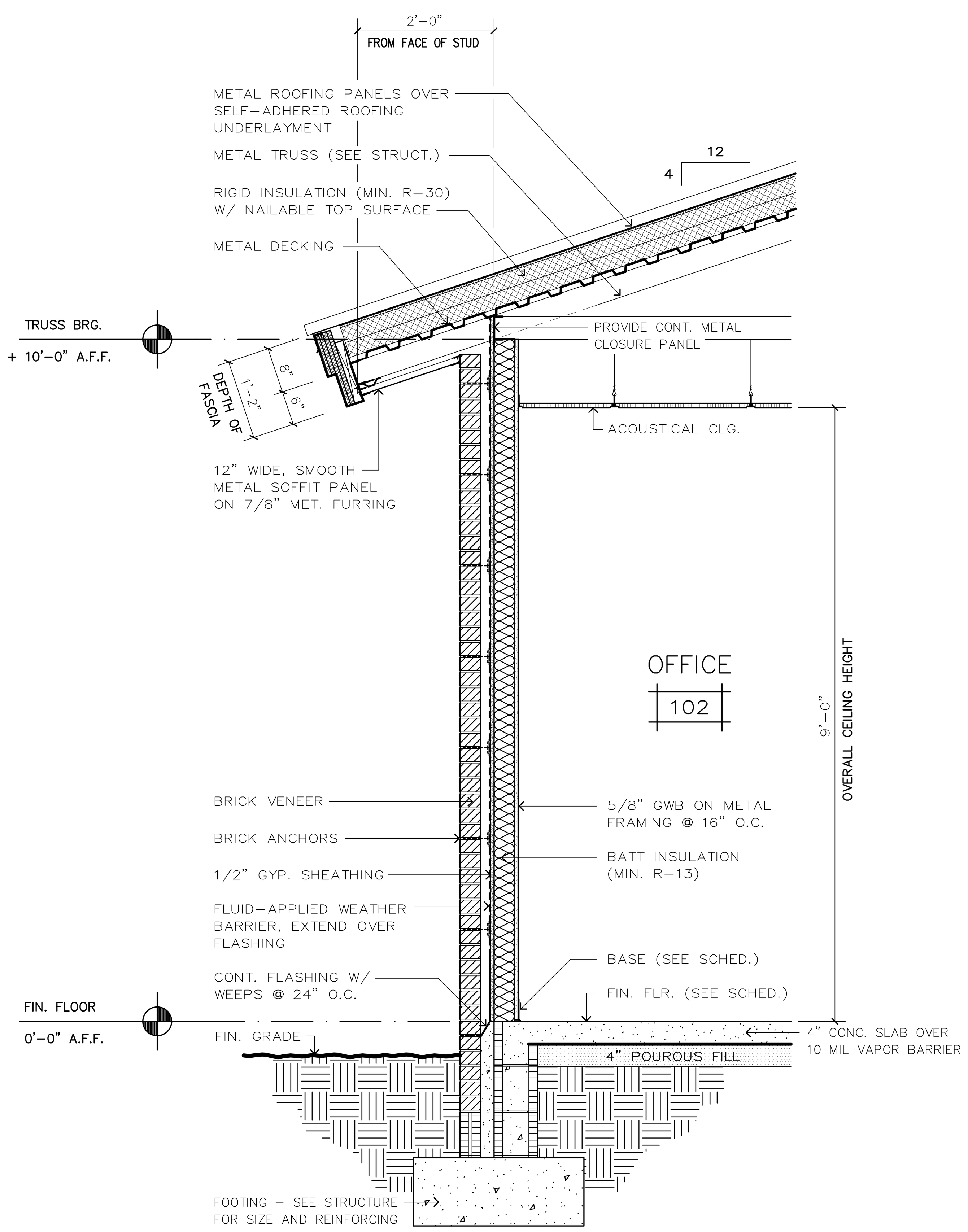
BUILDING SECTIONS

NORTH

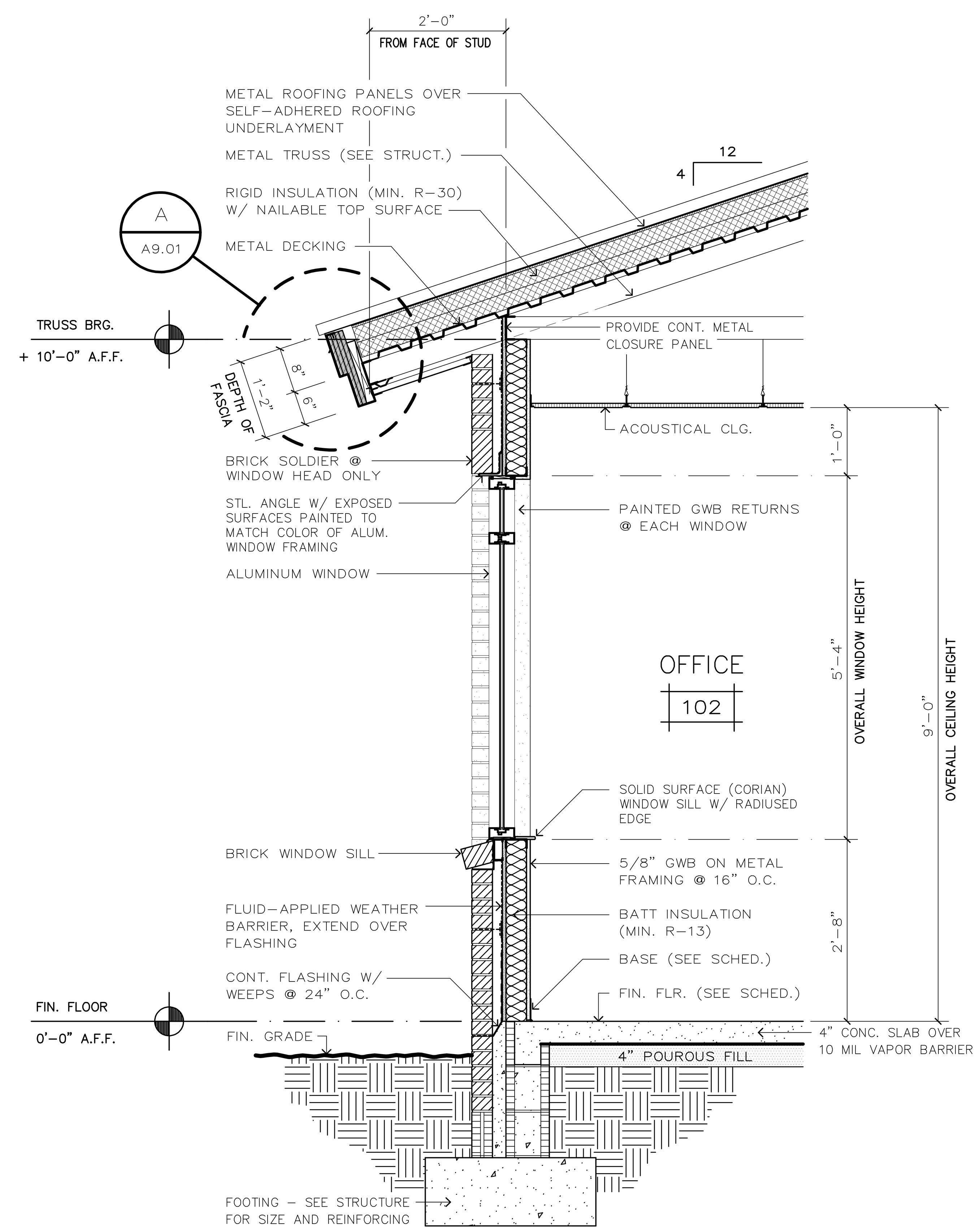
A8.02



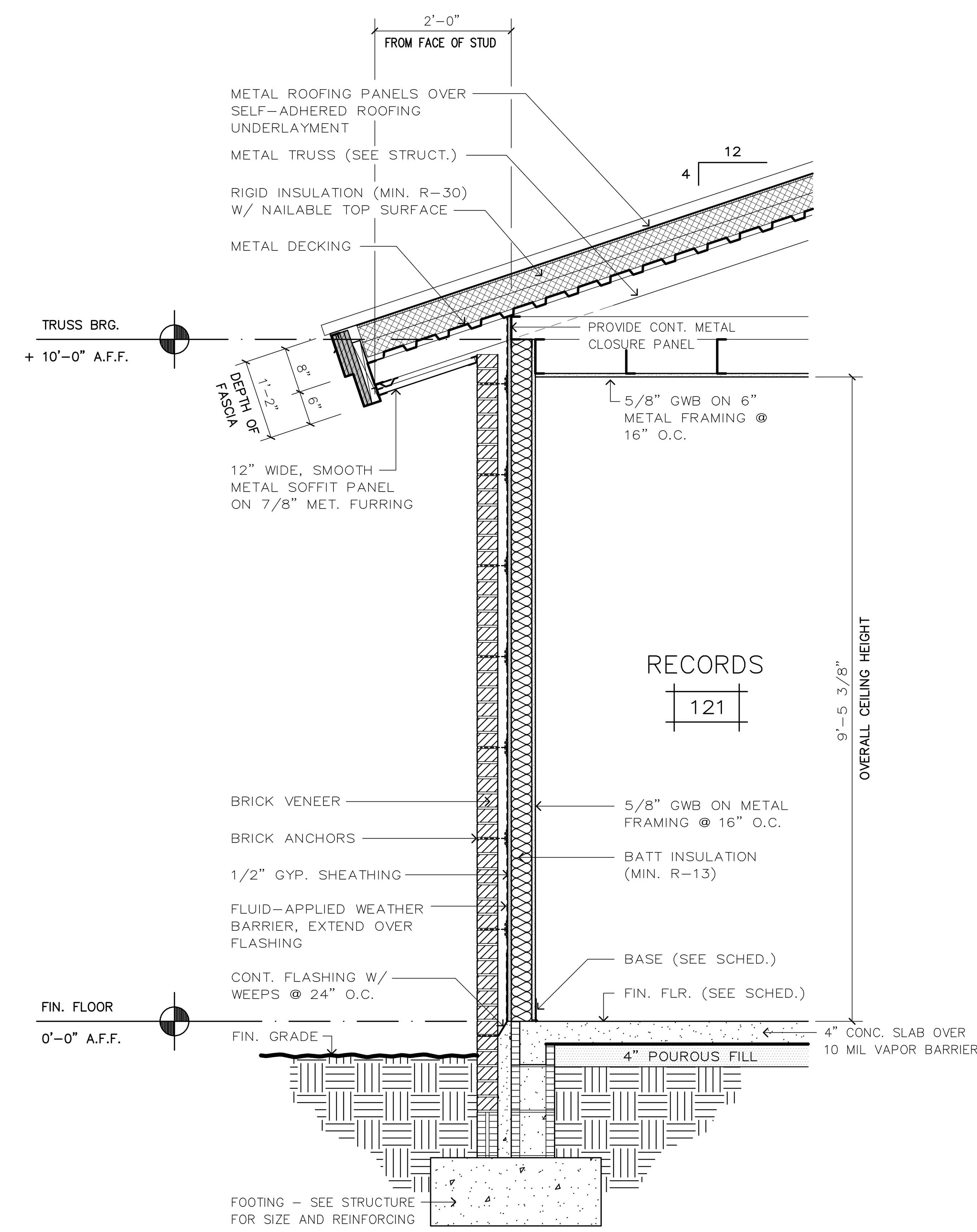
A
A9.01
DETAIL @ FASCIA
SCALE : 1 1/2" = 1'-0"



1
A9.01
TYPICAL WALL SECTION THRU OFFICES
SCALE : 3/4" = 1'-0"



2
A9.01
TYPICAL WALL SECTION THRU OFFICES
SCALE : 3/4" = 1'-0"



3
A9.01
WALL SECTION THRU RECORDS STORAGE
SCALE : 3/4" = 1'-0"

Ellis, Ricket & Associates
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sgrc
SOUTHERN GEORGIA REGIONAL COMMISSION

STATE OF GEORGIA
STEPHEN S. HART
REGISTERED ARCHITECT

REV.	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

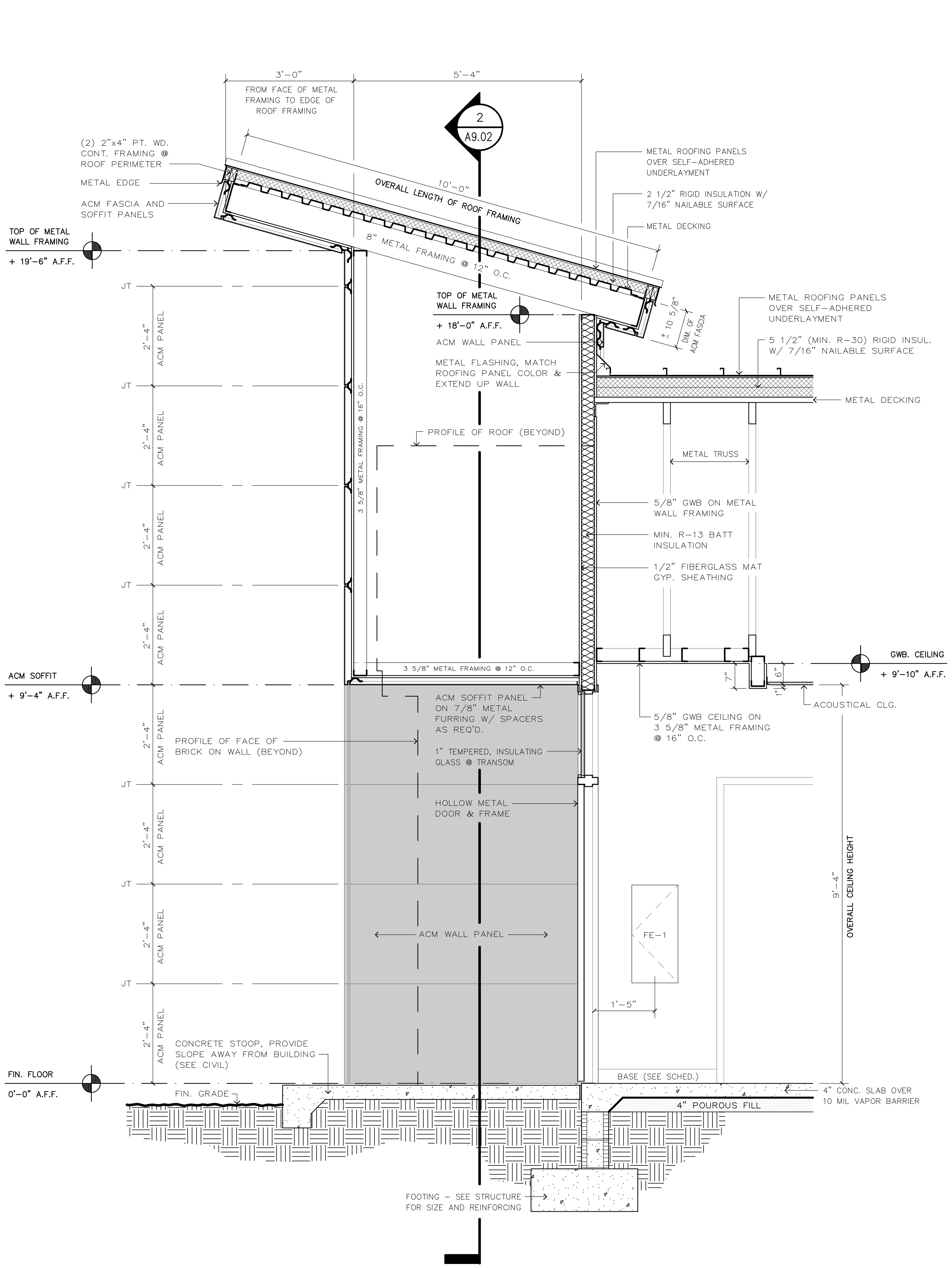
VALDOSTA, GA

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

WALL SECTIONS

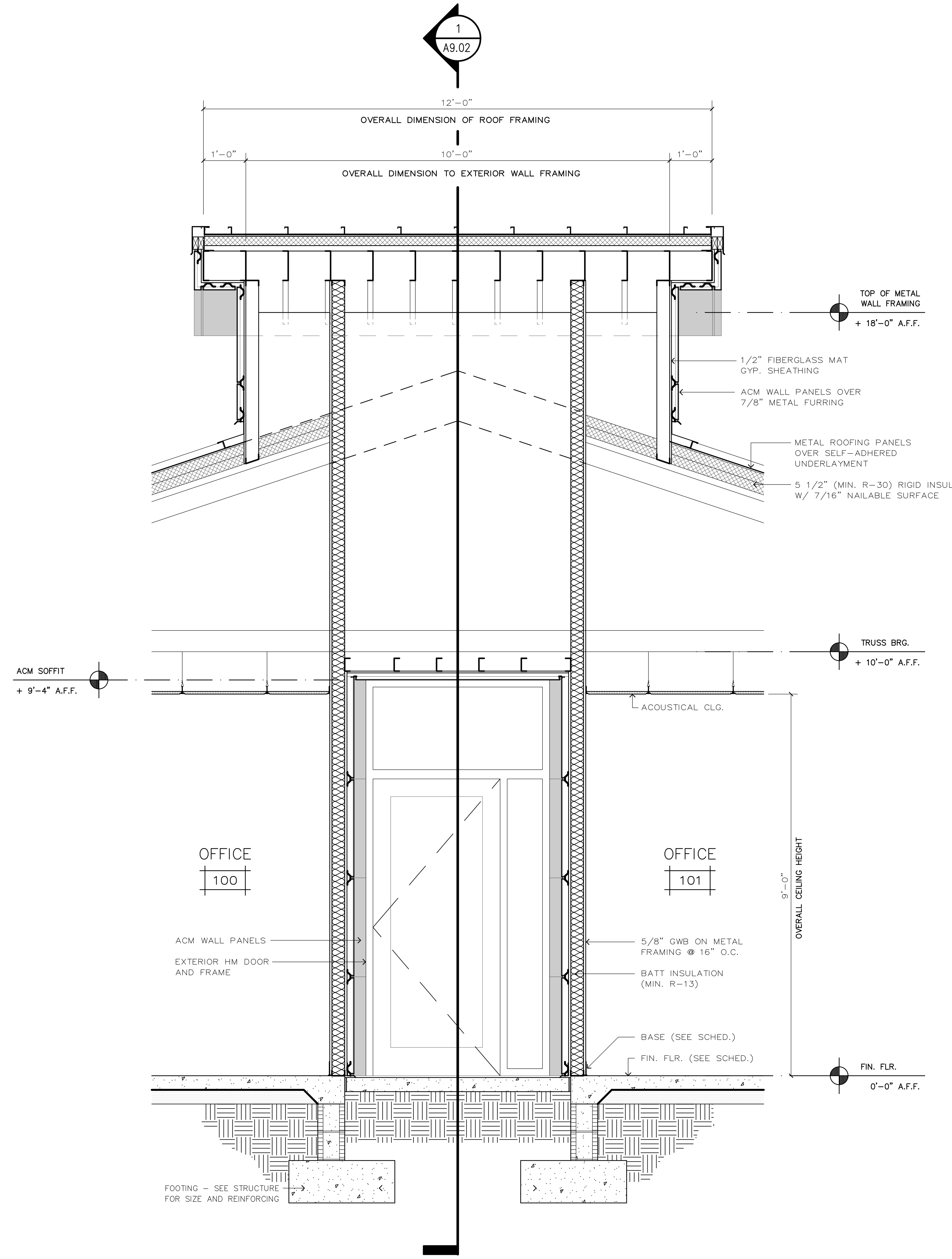
A9.01

PLOT DATE: 10-8-2018
PLOT TIME: 11:06 AM
PATHNAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A9.01



1 A9.02 TYPICAL WALL SECTION THRU ENTRY TOWER

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



2 A9.02 TYPICAL WALL SECTION THRU ENTRY TOWER

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

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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

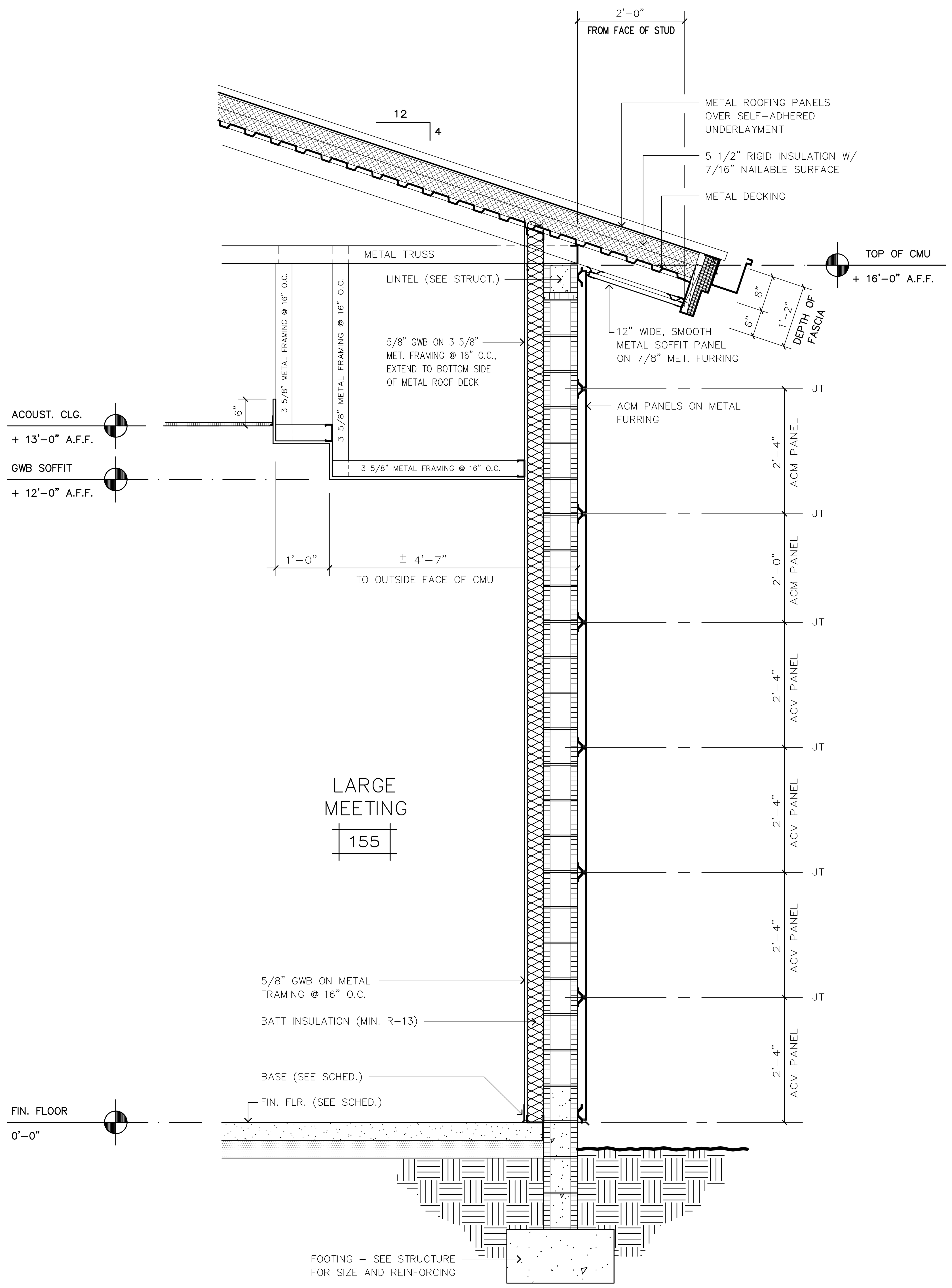
VALDOSTA, GA

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

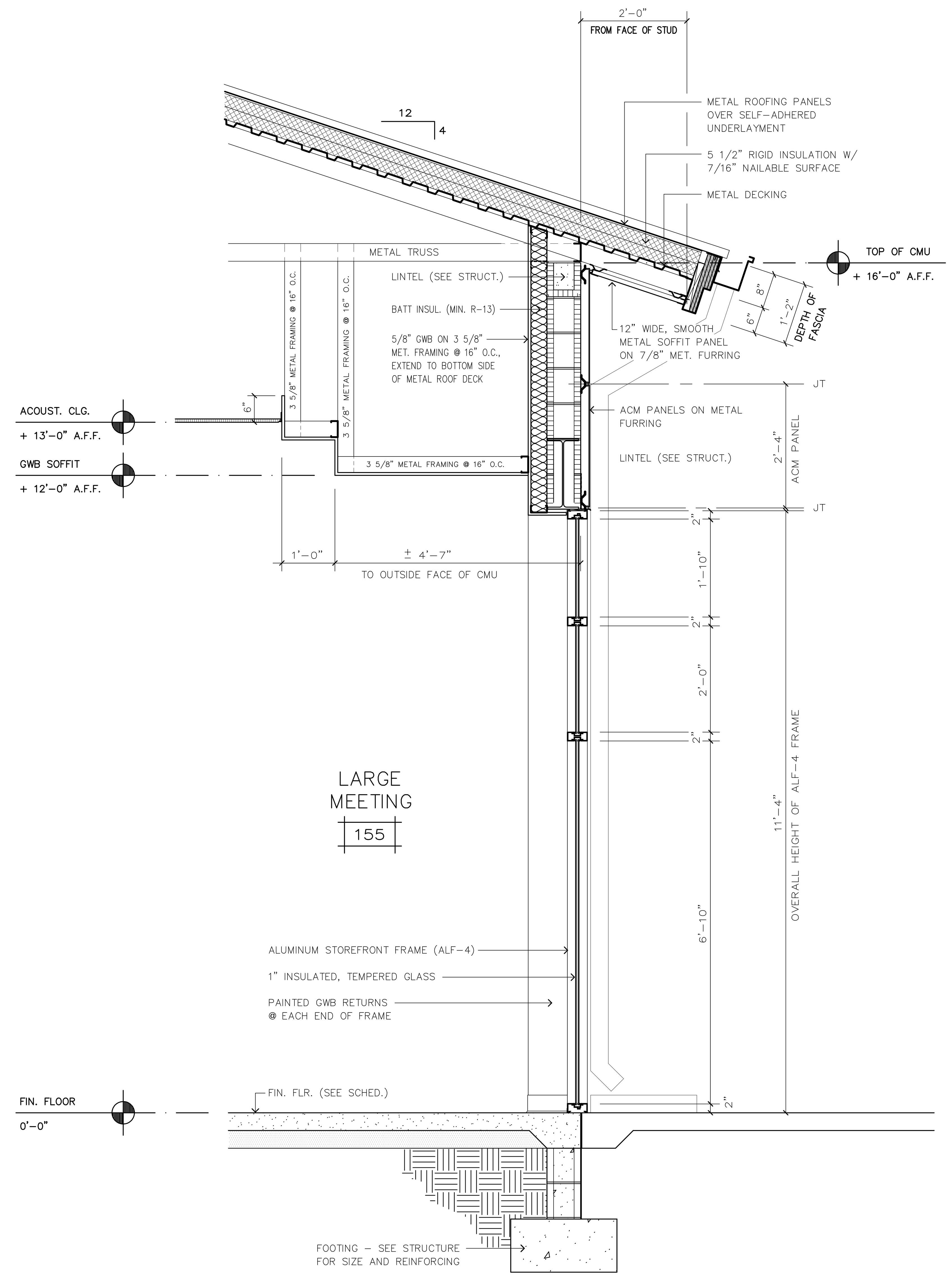
WALL SECTIONS

A9.02

PLOT DATE: 10-8-2018
PLOT TIME: 11:08 AM
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A9.01



1 / A9.03
SECTION THRU LARGE MEETING
SCALE : 3/4" = 1'-0"



2 / A9.03
SECTION THRU LARGE MEETING
SCALE : 3/4" = 1'-0"

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A NEW OFFICE BUILDING FOR:

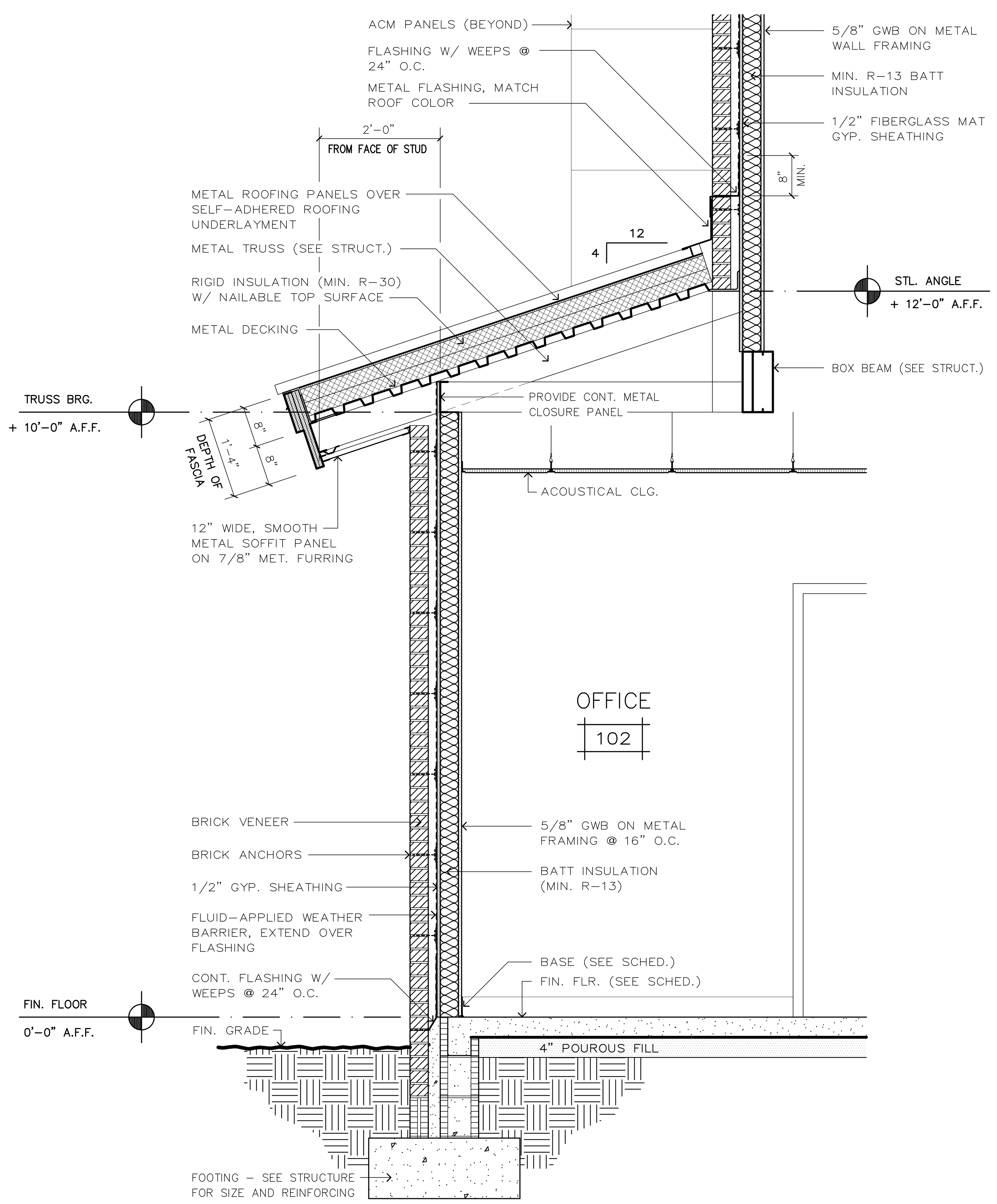
SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

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

WALL SECTIONS

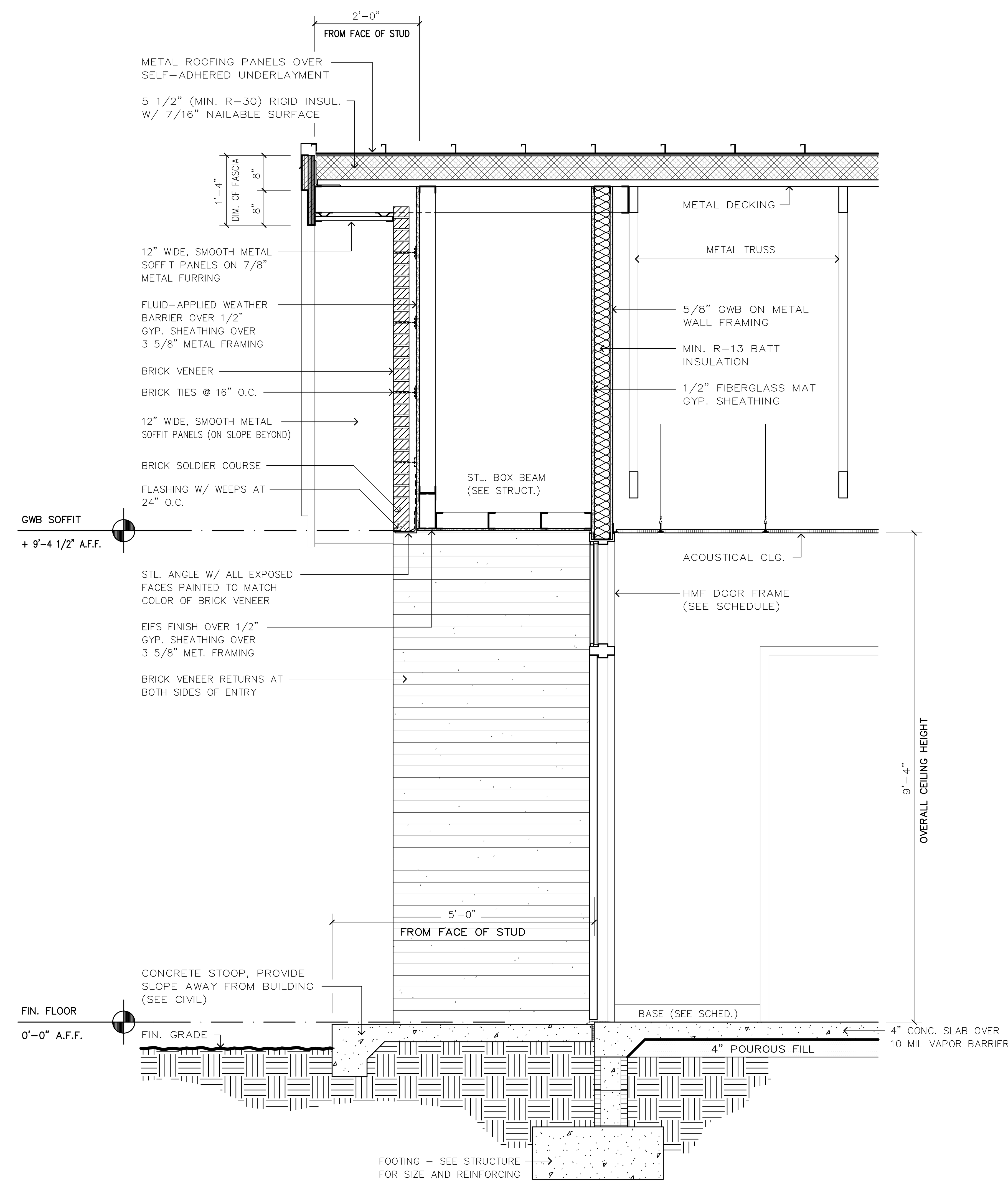
A9.03



TYPICAL WALL SECTION THRU OFFICES

1 / A9.04

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



WALL SECTION THRU GABLE END ENTRANCE

2 / A9.04

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

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SOUTHERN GEORGIA REGIONAL COMMISSION

STEPHEN J. HART — REGISTERED ARCHITECT — CERTIFICATE NO. RA012350

REV:	DATE:	REMARKS:
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JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

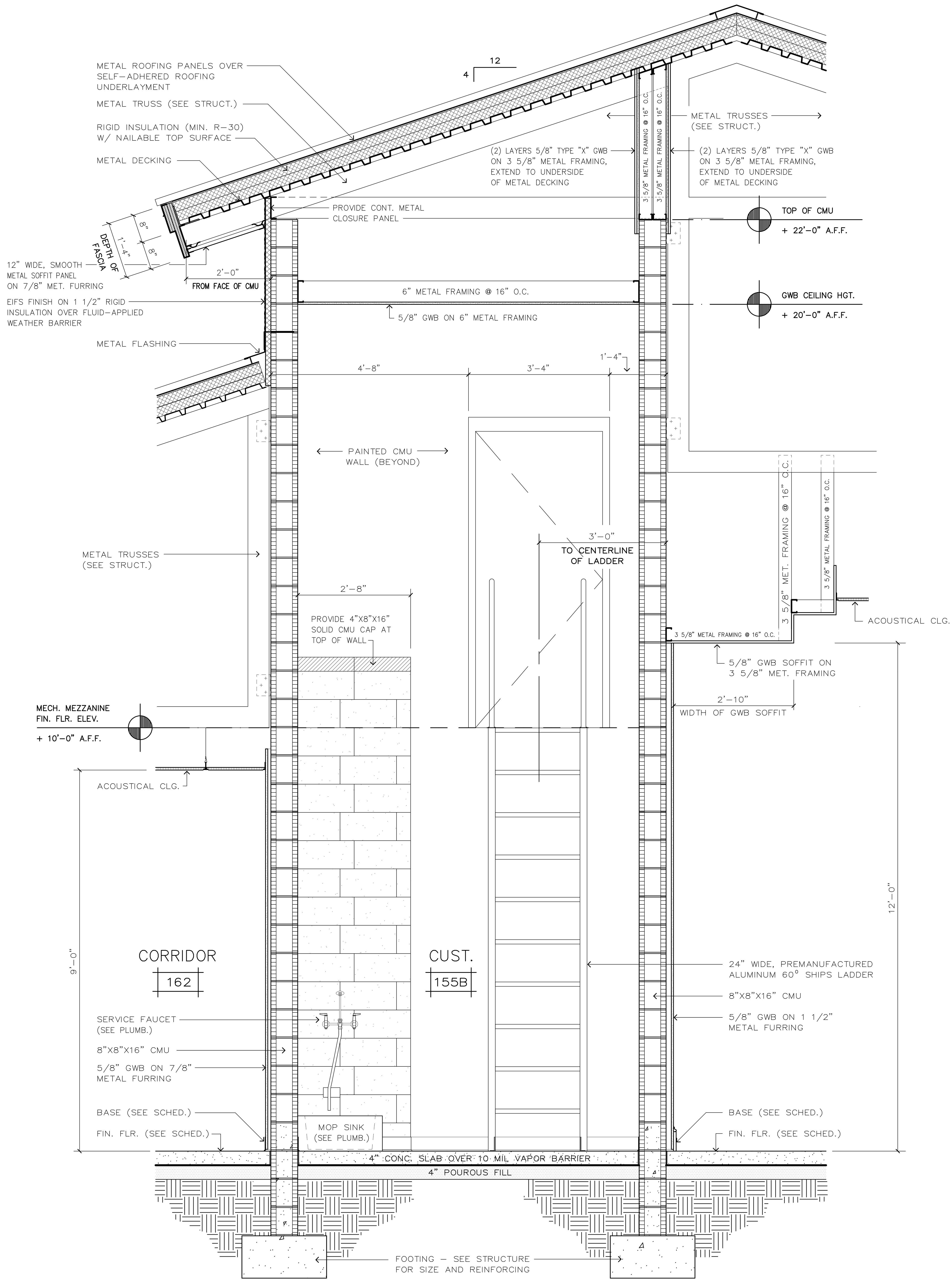
VALDOSTA, GA

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

WALL SECTIONS

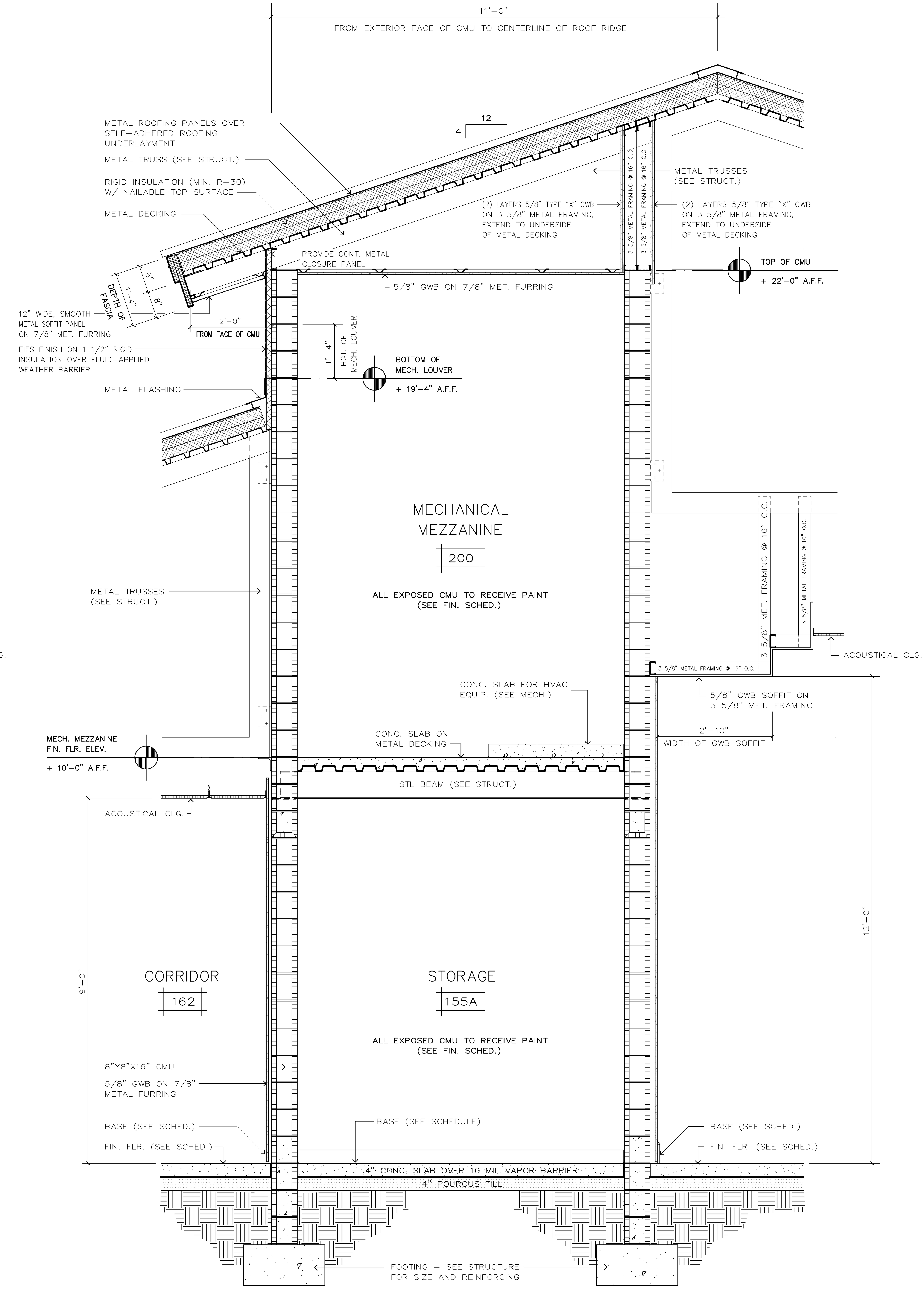
A9.04

PLOT DATE: 10-8-2018
PLOT TIME: 11:06 AM
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A9.01



1 A9.05 SECTION THRU CUSTODIAL

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



2 A9.05 SECTION THRU MECH. MEZZANINE

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

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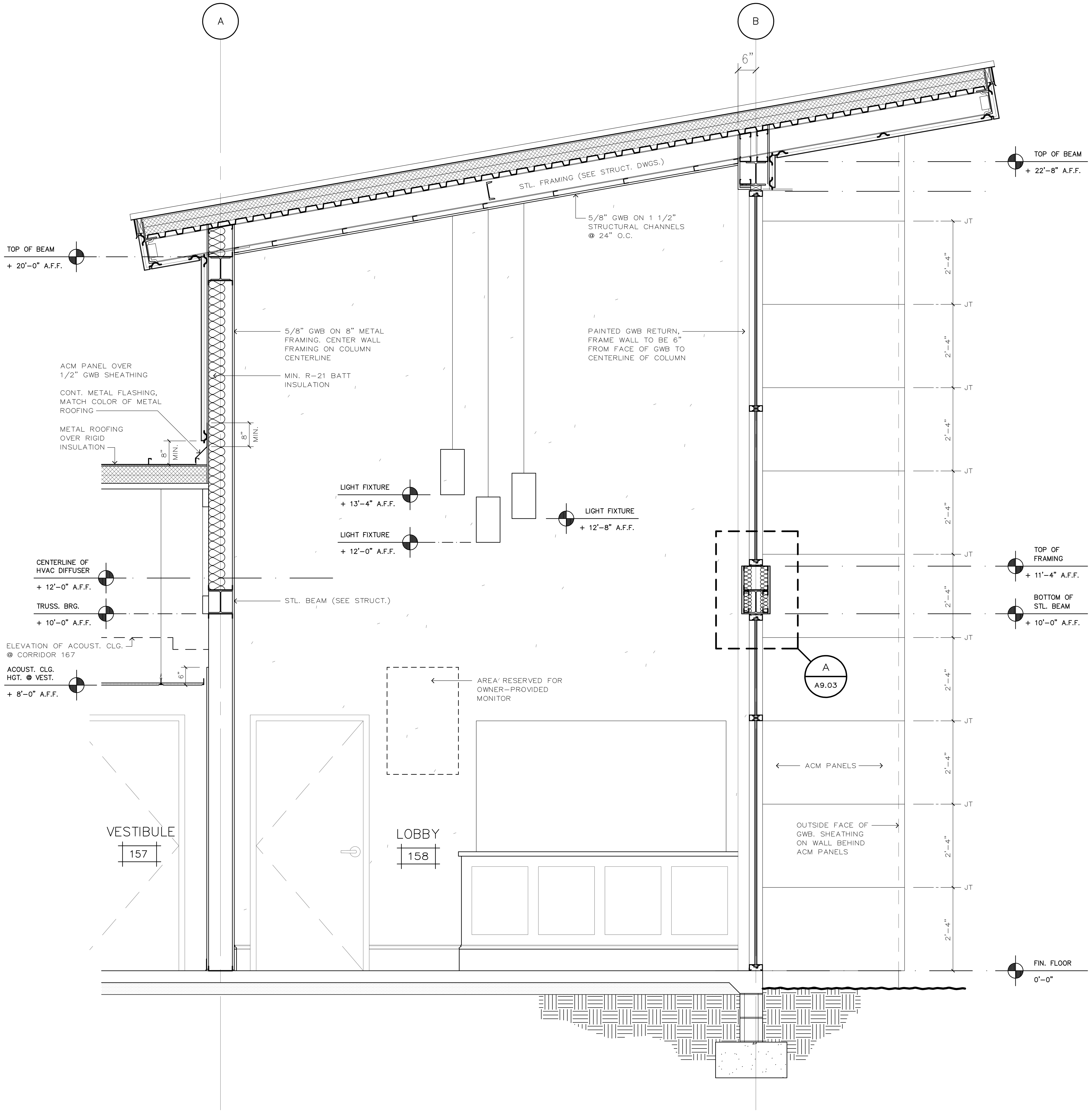
SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

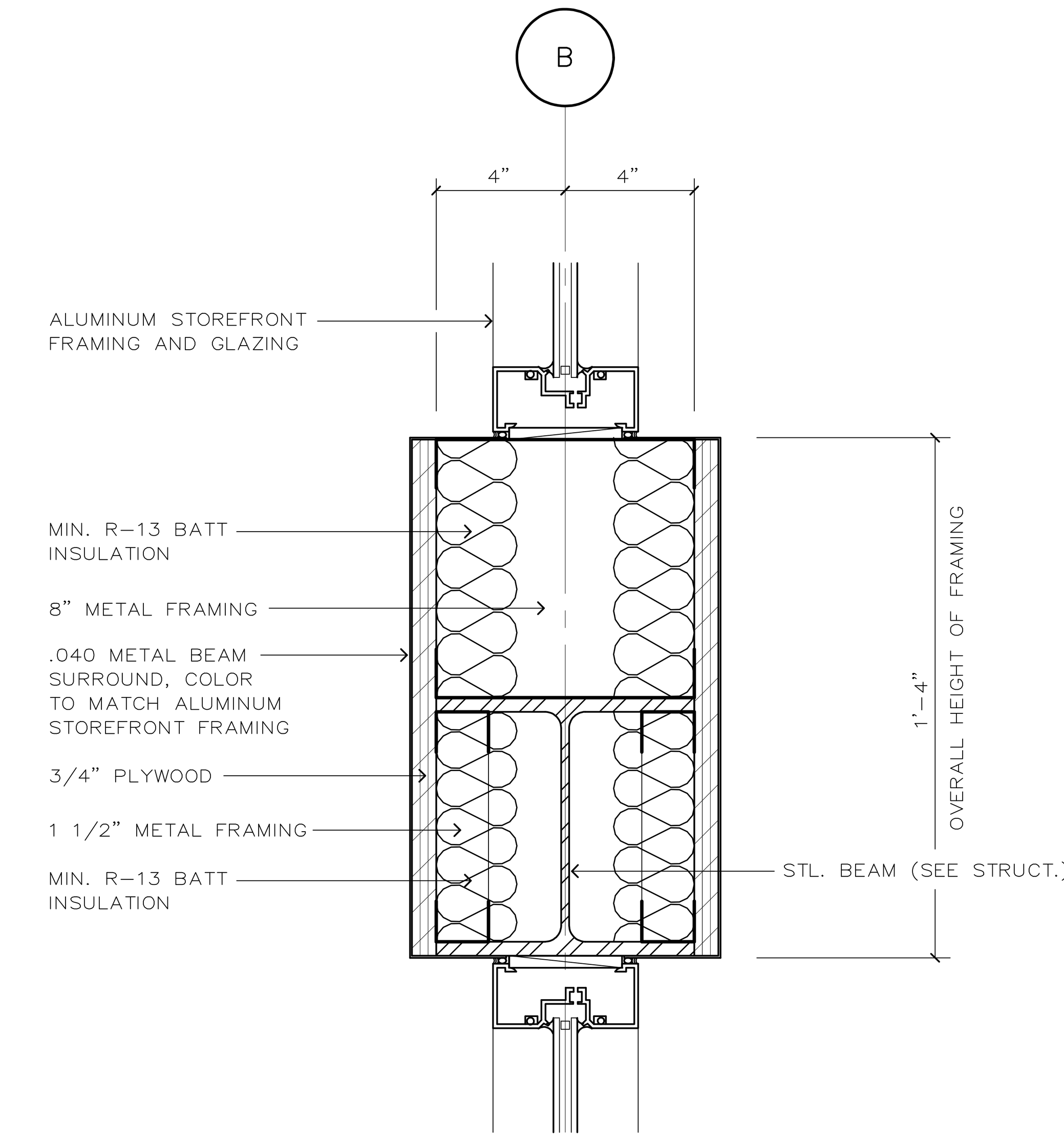
SCALE: 3/4" = 1'-0"

WALL SECTIONS

A9.05



1
A9.06
SECTION THRU LOBBY 158
SCALE : 3/4" = 1'-0"



A
A9.03
ENLARGED DETAIL @ BEAM SURROUND

SCALE : 3" = 1'-0"

NOTE: INSTALL AND SECURE .040 METAL BEAM SURROUND PRIOR TO INSTALLING ALUMINUM STOREFRONT FRAMING IN ORDER TO CONCEAL METAL SURROUND SCREWS UNDERNEATH STOREFRONT FRAMING, BACKER ROD, AND CAULKING (BOTH FACES OF BEAM)

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STATE OF GEORGIA — STEPHEN E. HART — REGISTERED ARCHITECT

REV.	DATE:	REMARKS:
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A NEW OFFICE BUILDING FOR:

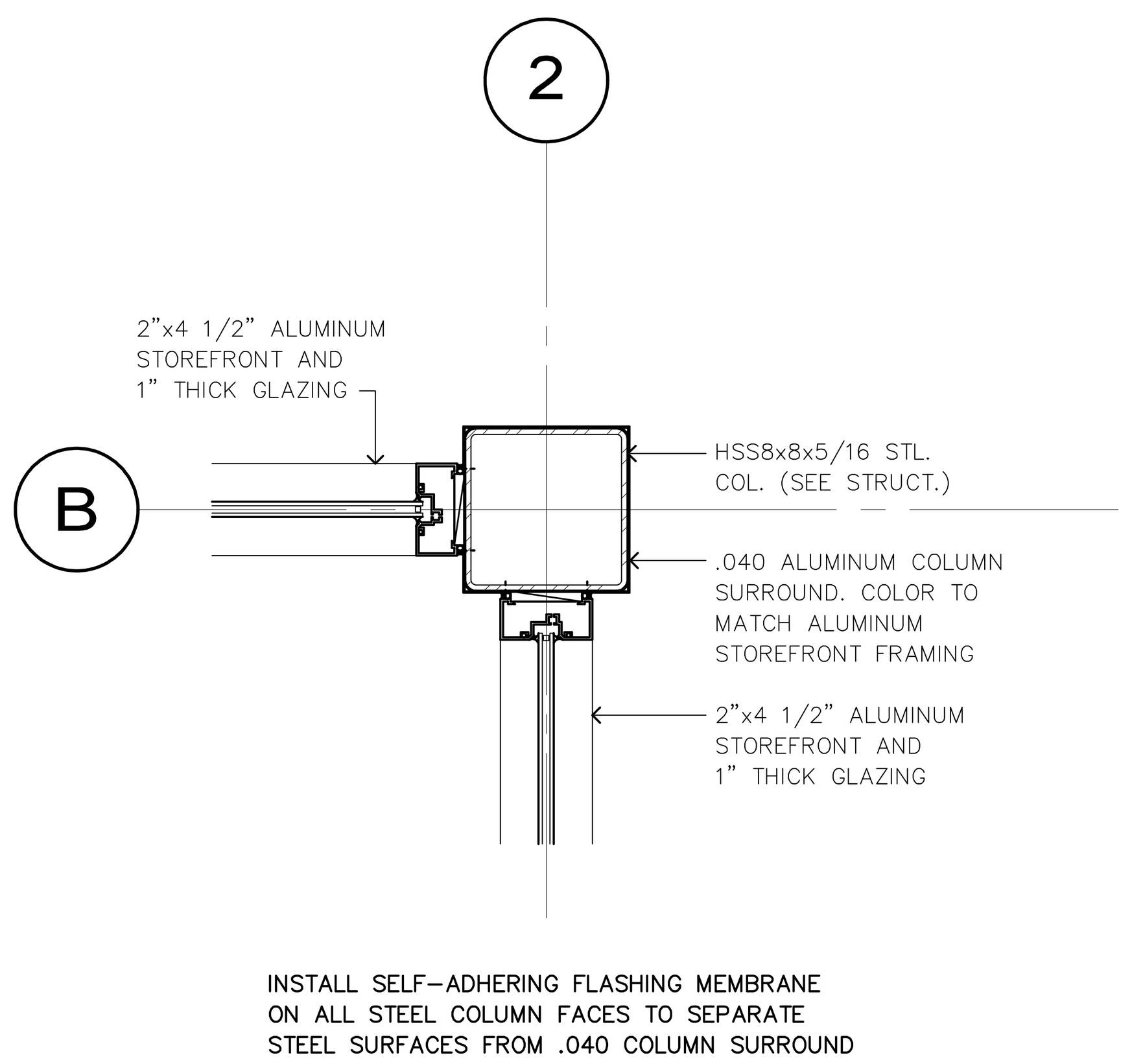
SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

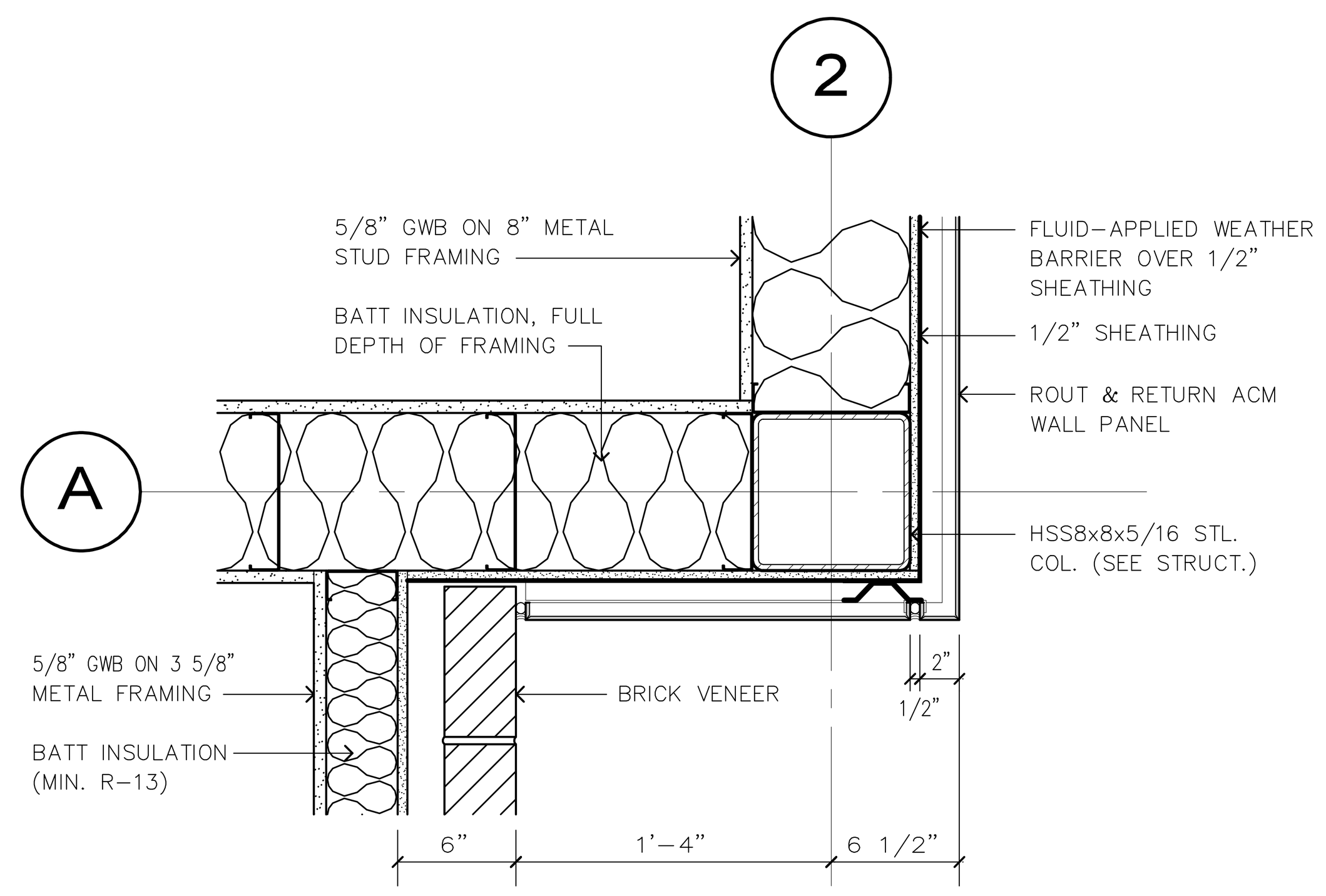
SCALE: 3/4" = 1'-0"

WALL SECTIONS

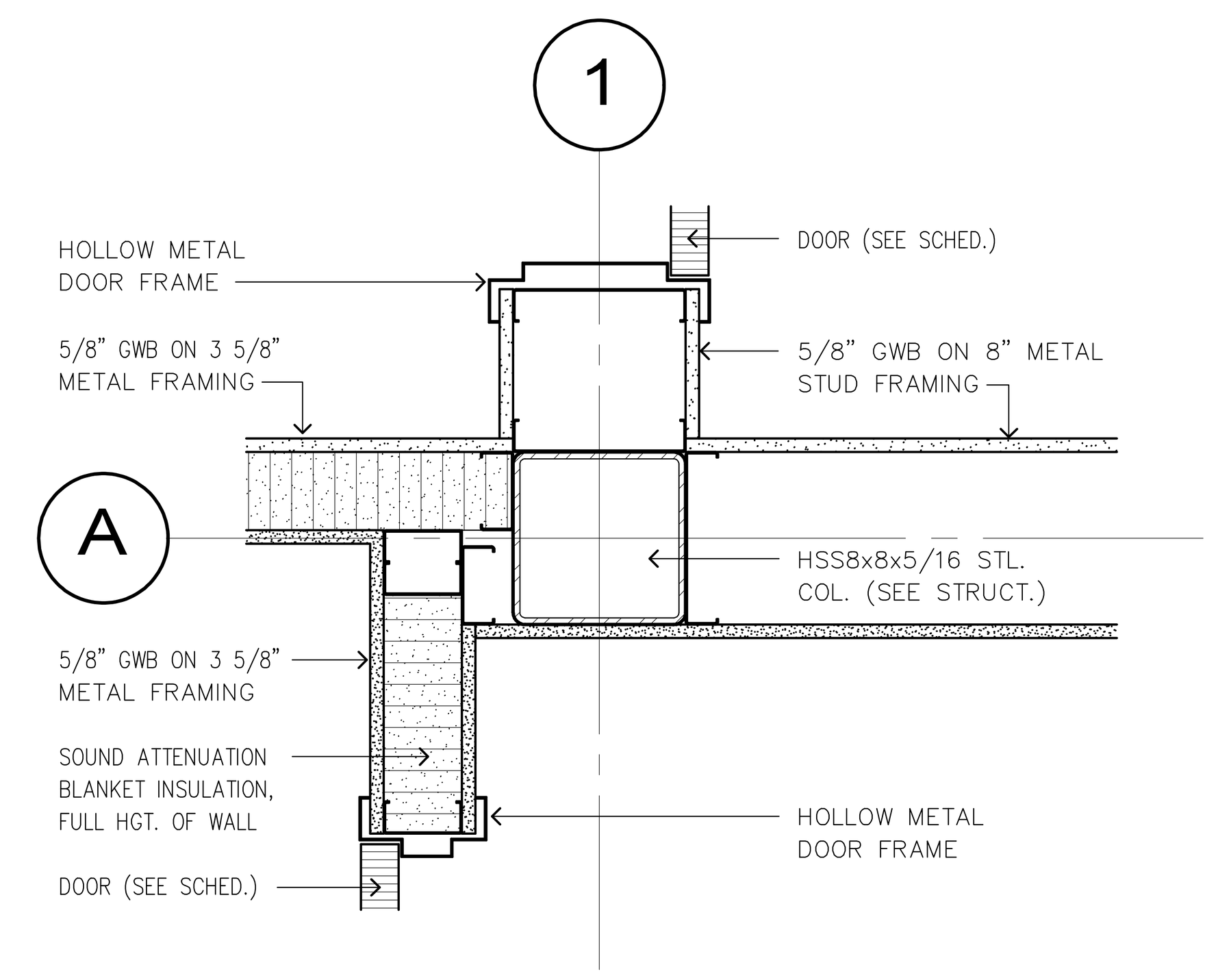
A9.06



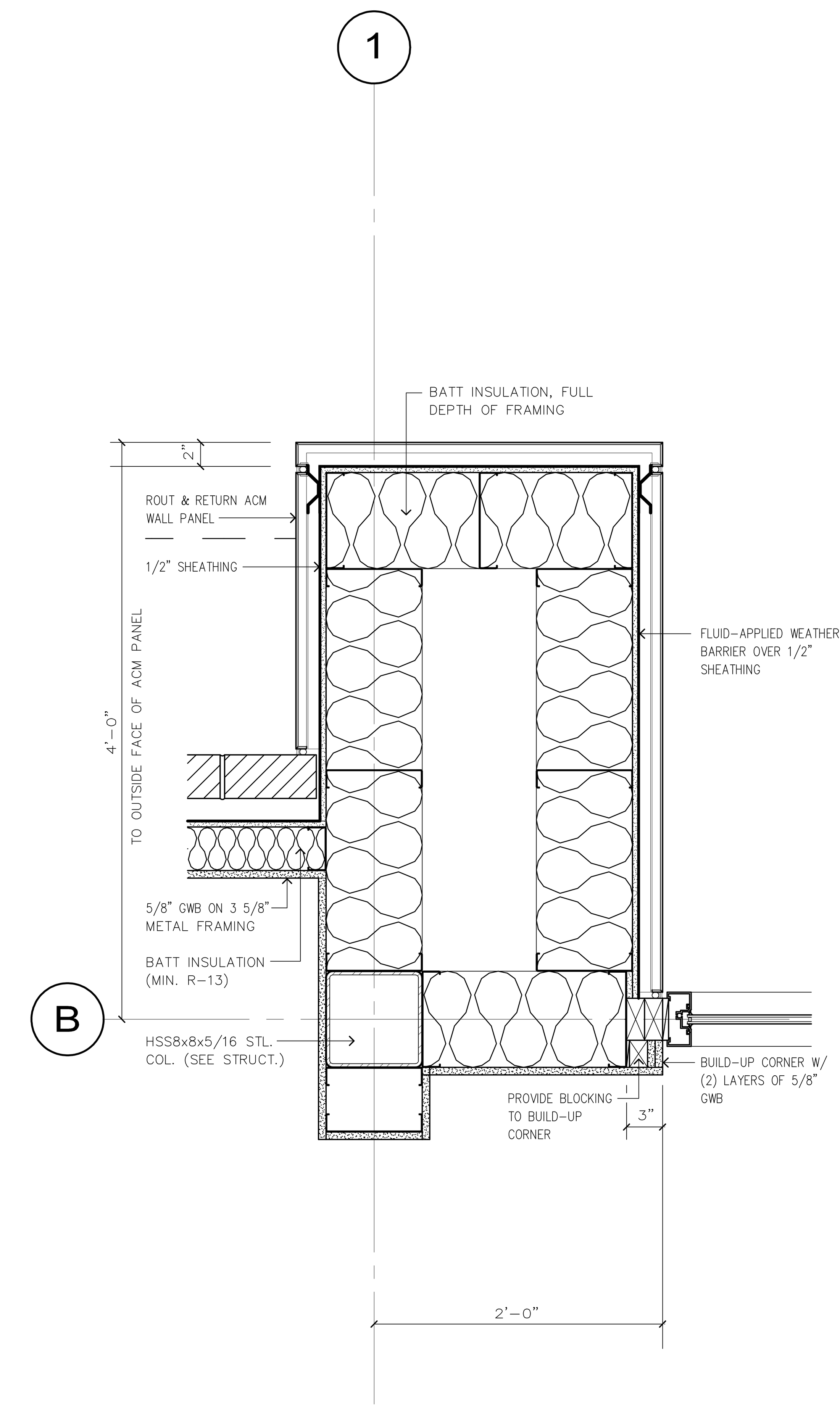
1	DETAIL @ LOBBY 158
	SCALE: 1 1/2" = 1'-0"



2	DETAIL @ LOBBY 158
	SCALE: 1 1/2" = 1'-0"



3	DETAIL @ LOBBY 158
	SCALE: 1 1/2" = 1'-0"



4	DETAIL @ LOBBY 158
	SCALE: 1 1/2" = 1'-0"

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REGIONAL COMMISSION

STATE OF GEORGIA
STEPHEN J. HART
CERTIFICATE NO. RA012350
REGISTERED ARCHITECT

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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 1" 2" 3" 6" 1'

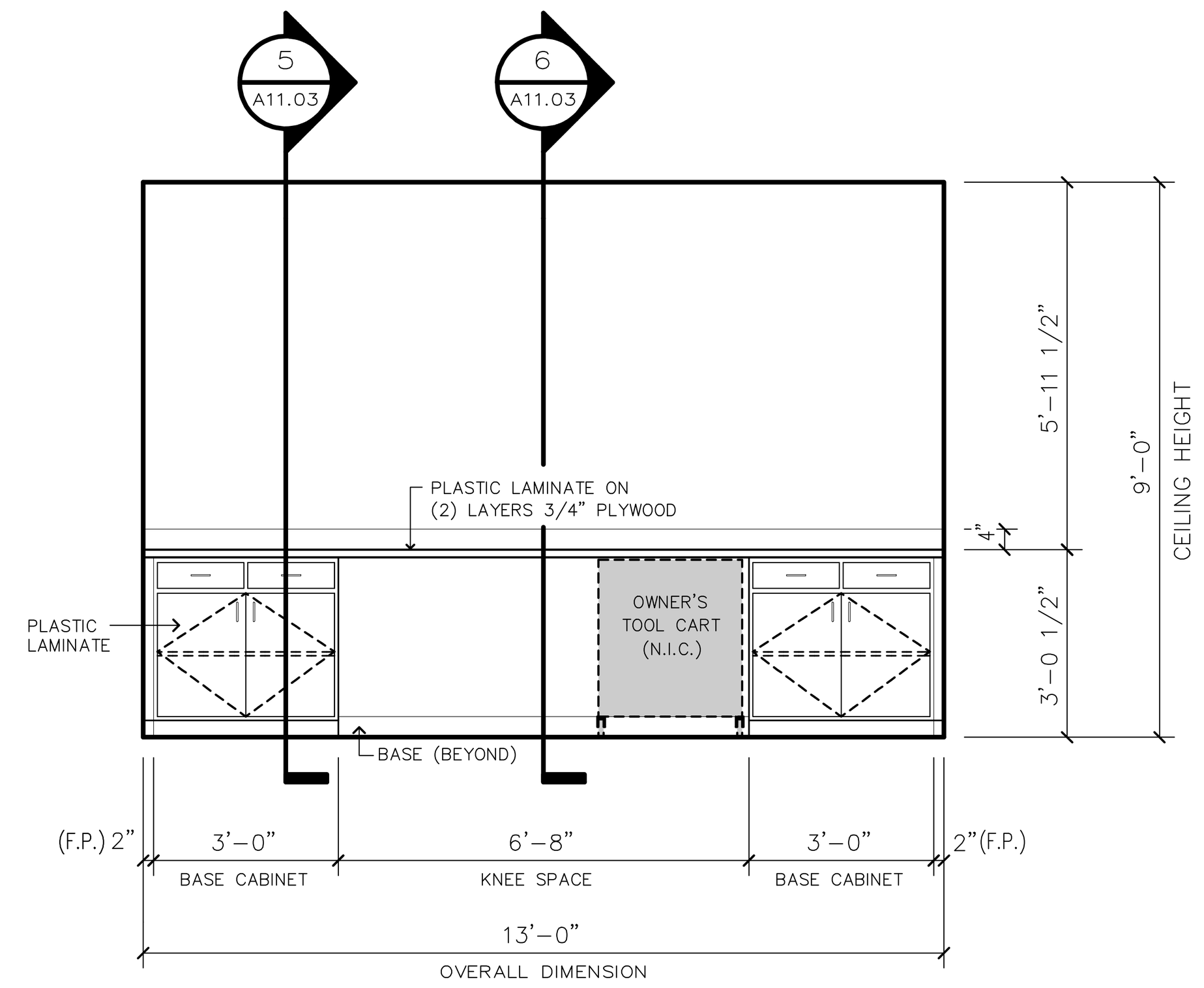
SCALE: 1 1/2" = 1'-0"

ENLARGED DETAILS

NORTH

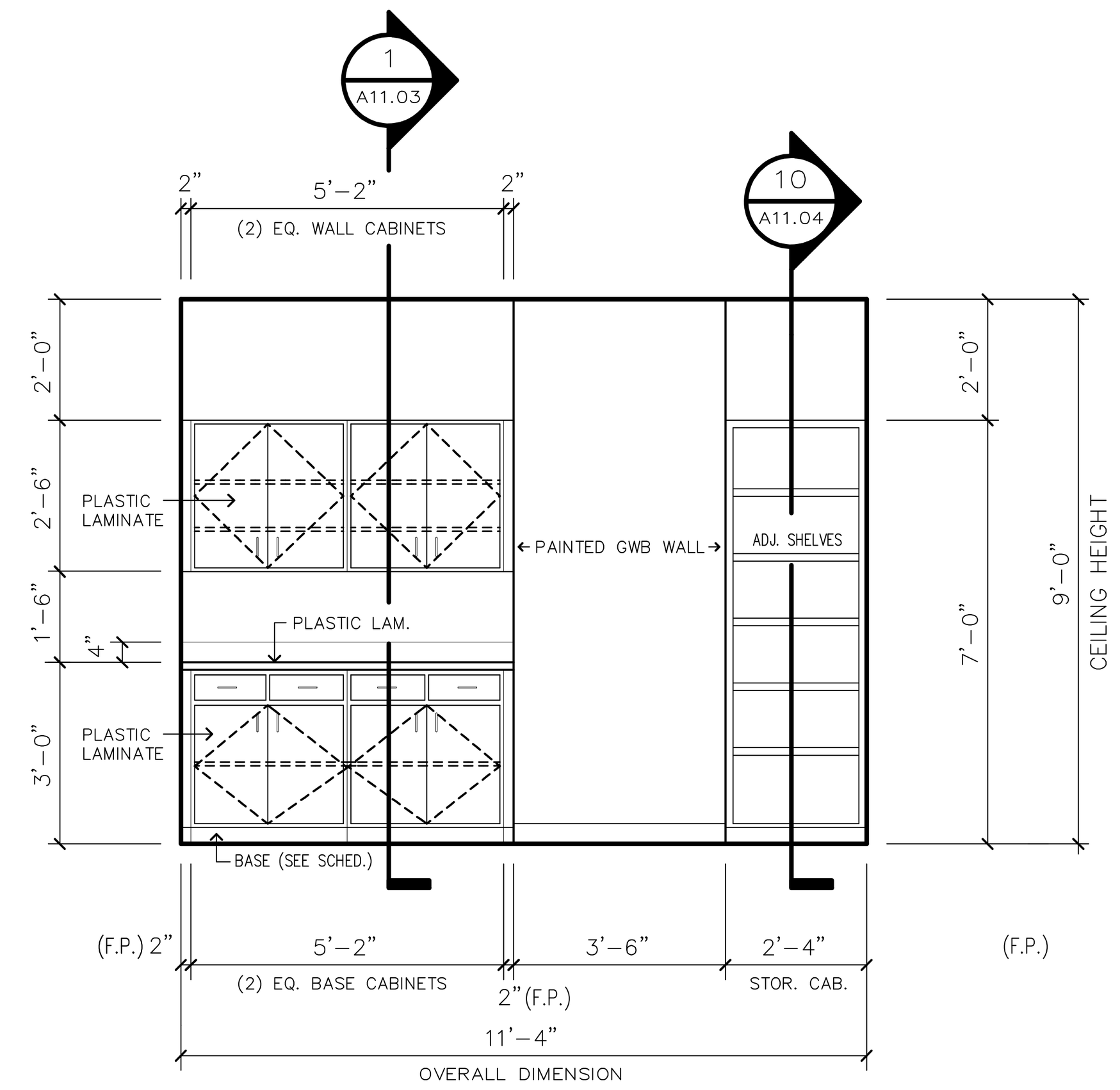
A10.01

PLOT DATE: 12-11-2018
PLOT TIME: 9:13 AM
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A10.01 D



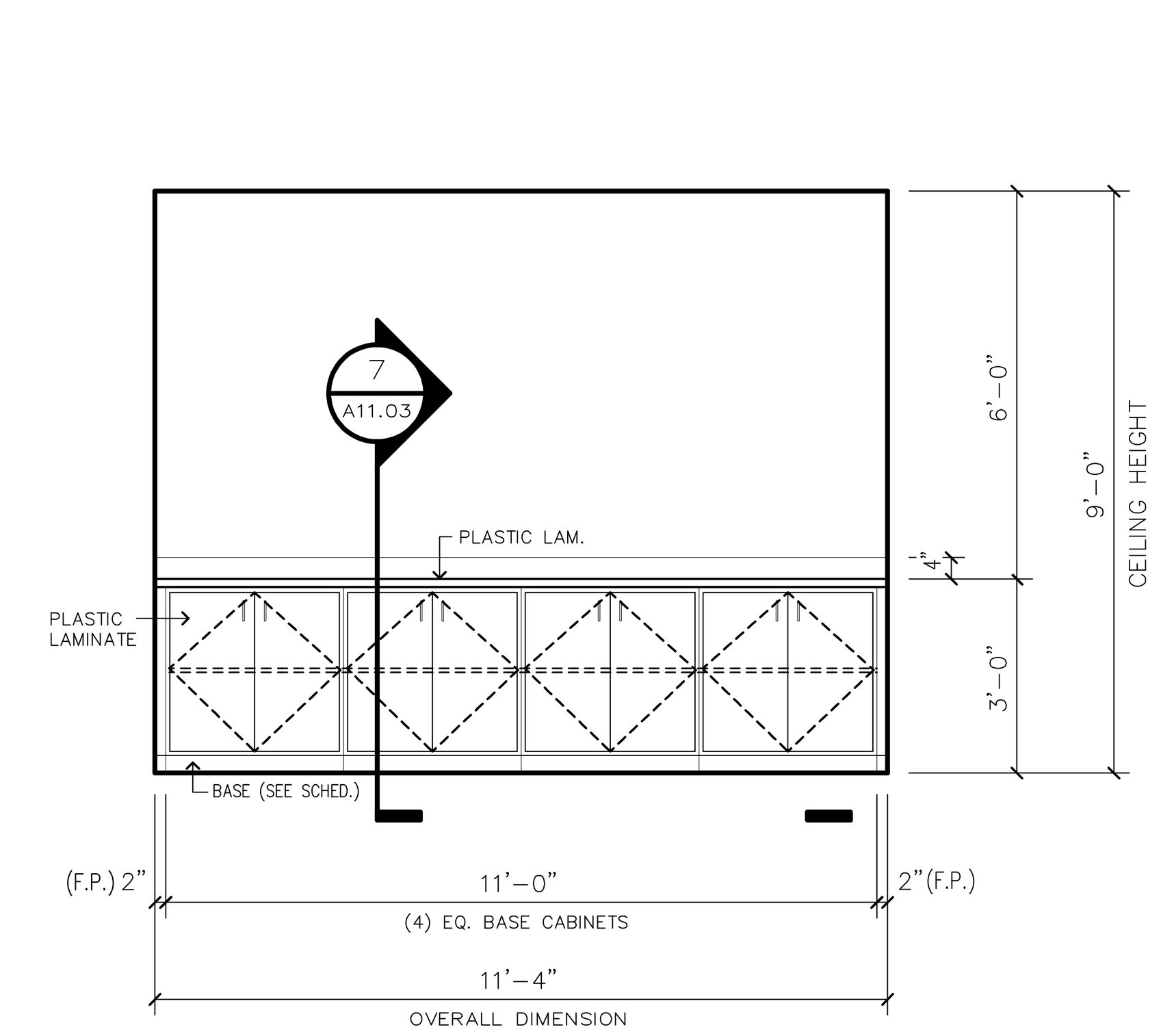
1 A11.01 ELEVATION @ I.T. OFFICE

SCALE : 3/8" = 1'-0" (RM. 111)



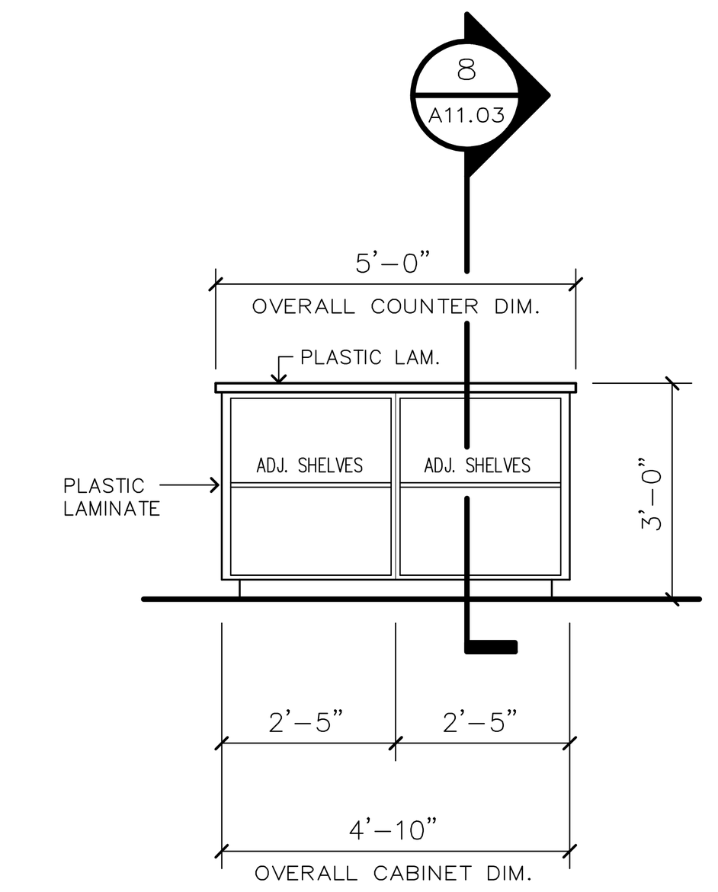
2 A11.01 ELEVATION @ CED WORKROOM

SCALE : 3/8" = 1'-0" (RM. 120)



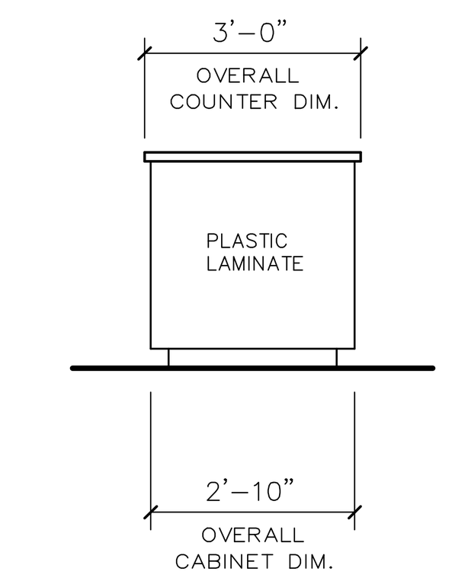
3 A11.01 ELEVATION @ CED WORKROOM

SCALE : 3/8" = 1'-0" (RM. 120)



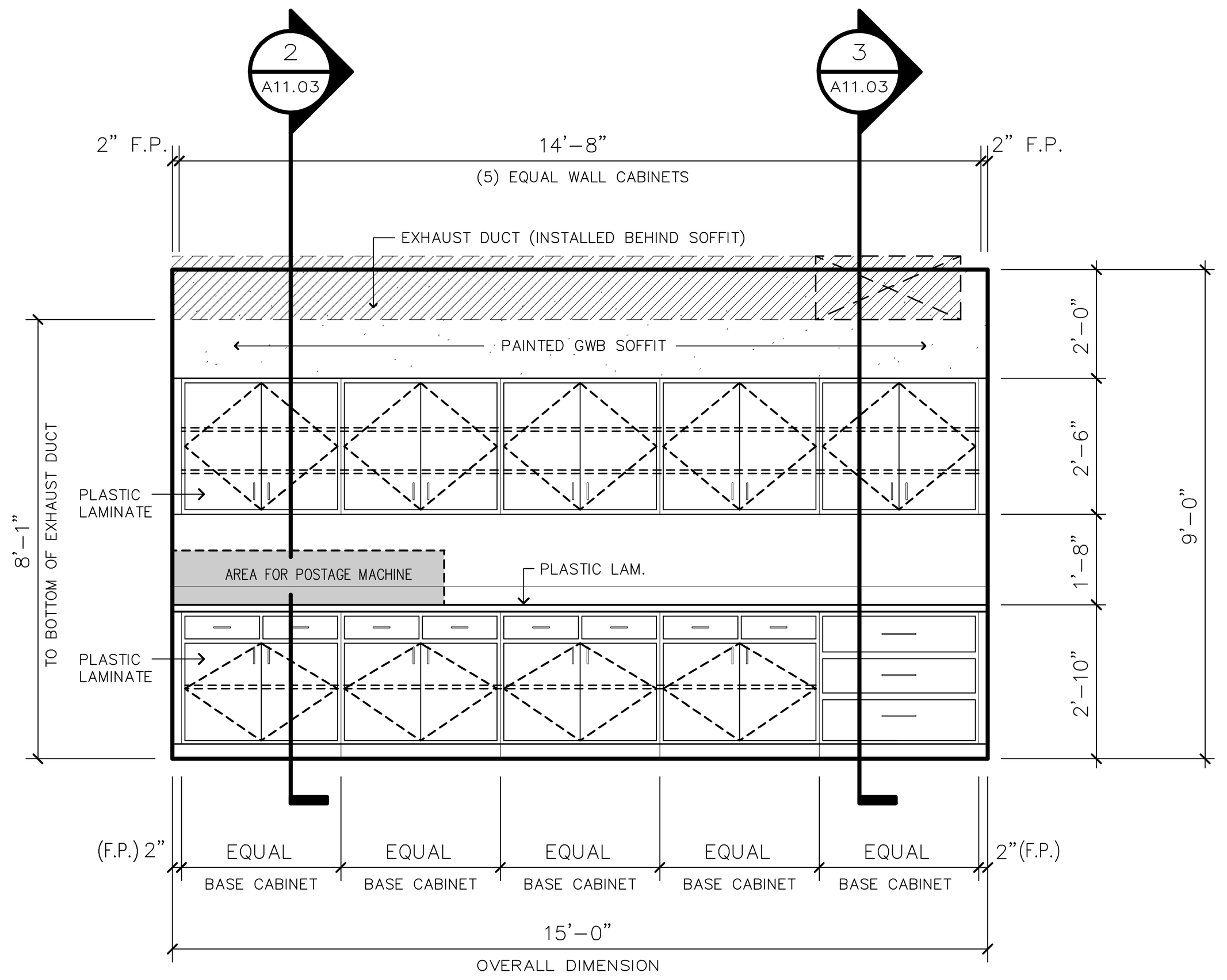
4 A11.01 ELEVATION @ CED WORKROOM

SCALE : 3/8" = 1'-0" (RM. 120)



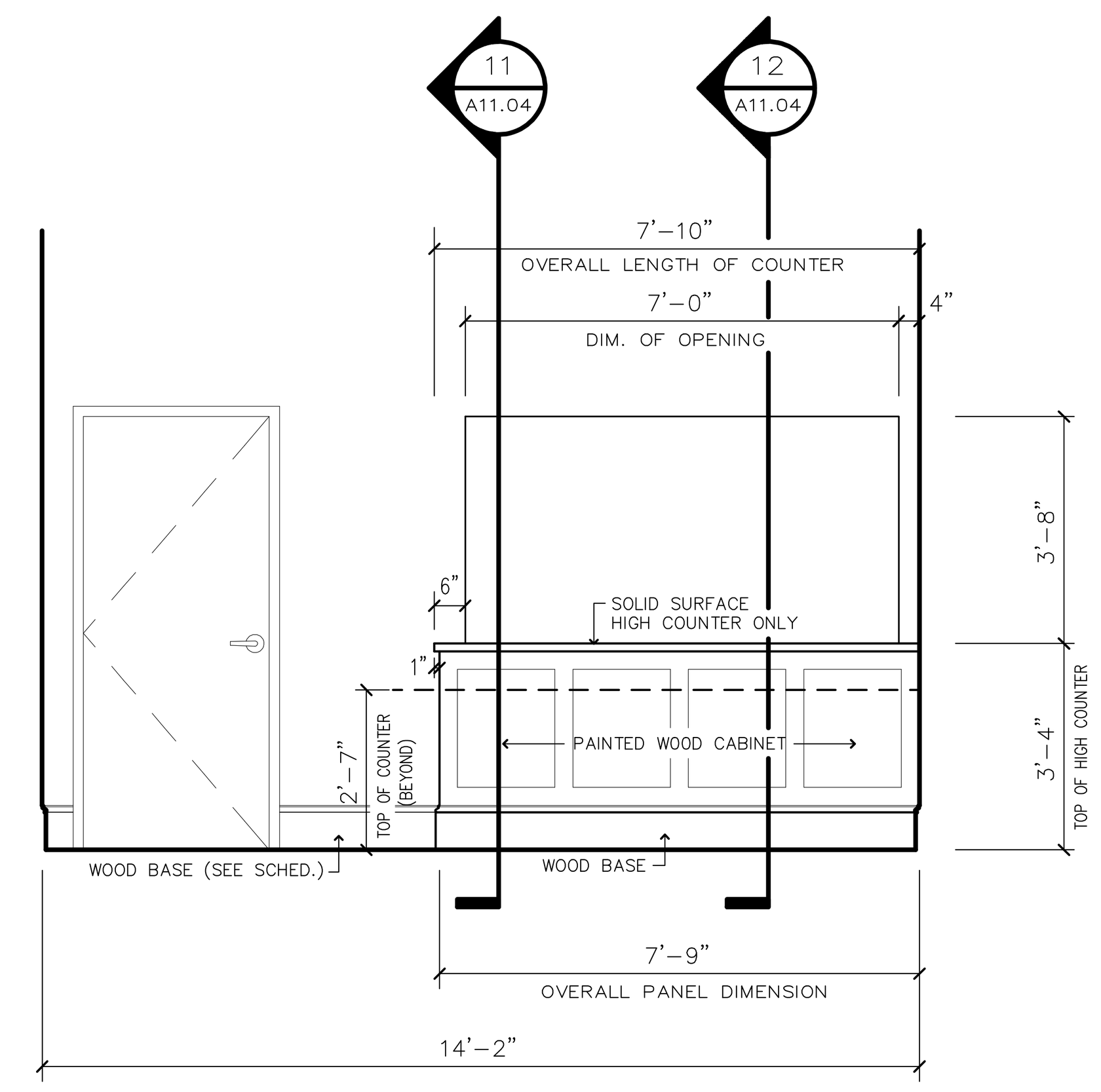
5 A11.01 ELEVATION @ CED WORKROOM

SCALE : 3/8" = 1'-0" (RM. 120)



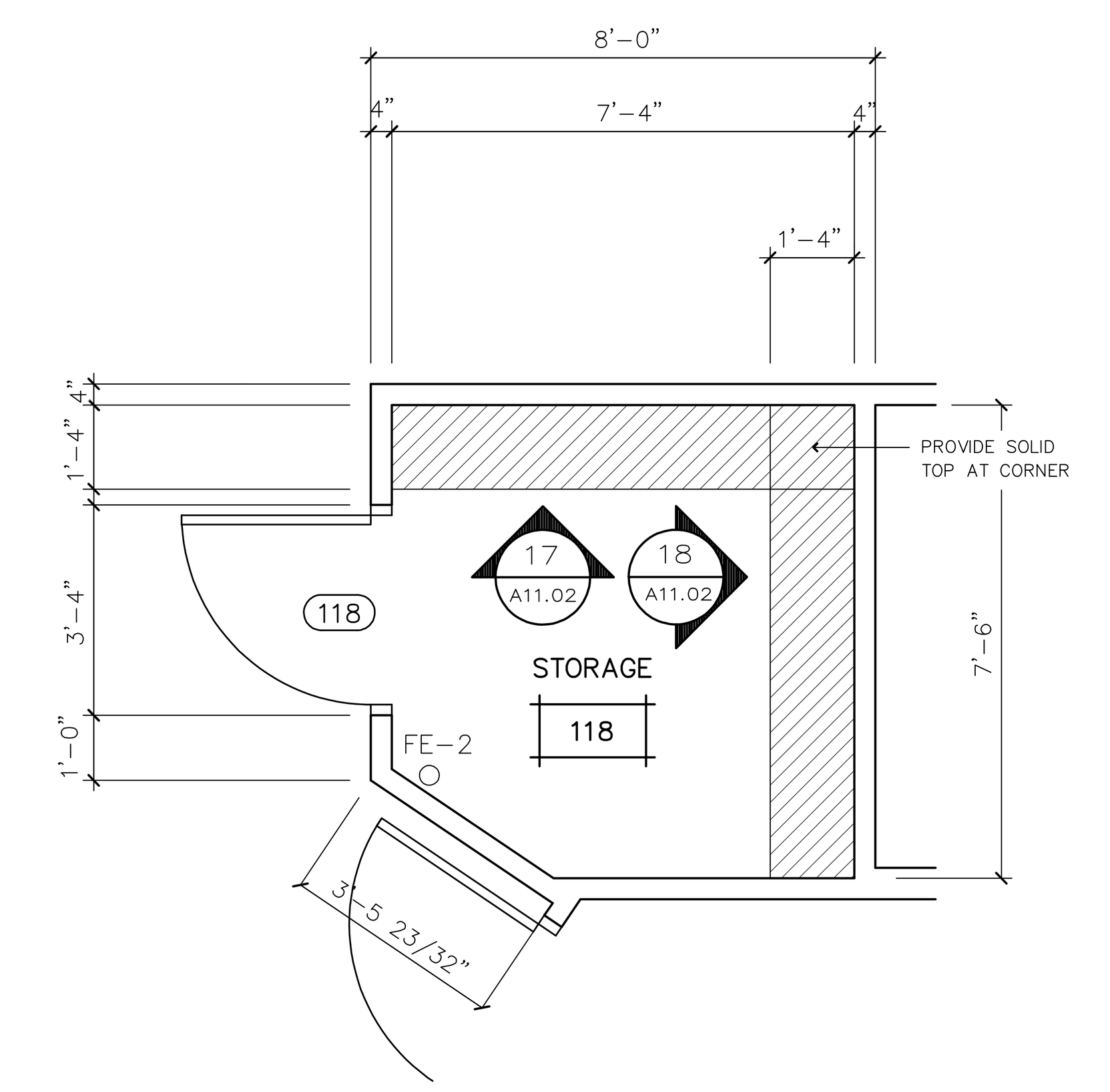
6 A11.01 ELEVATION @ MEDIA ROOM

SCALE : 3/8" = 1'-0" (RM. 160)



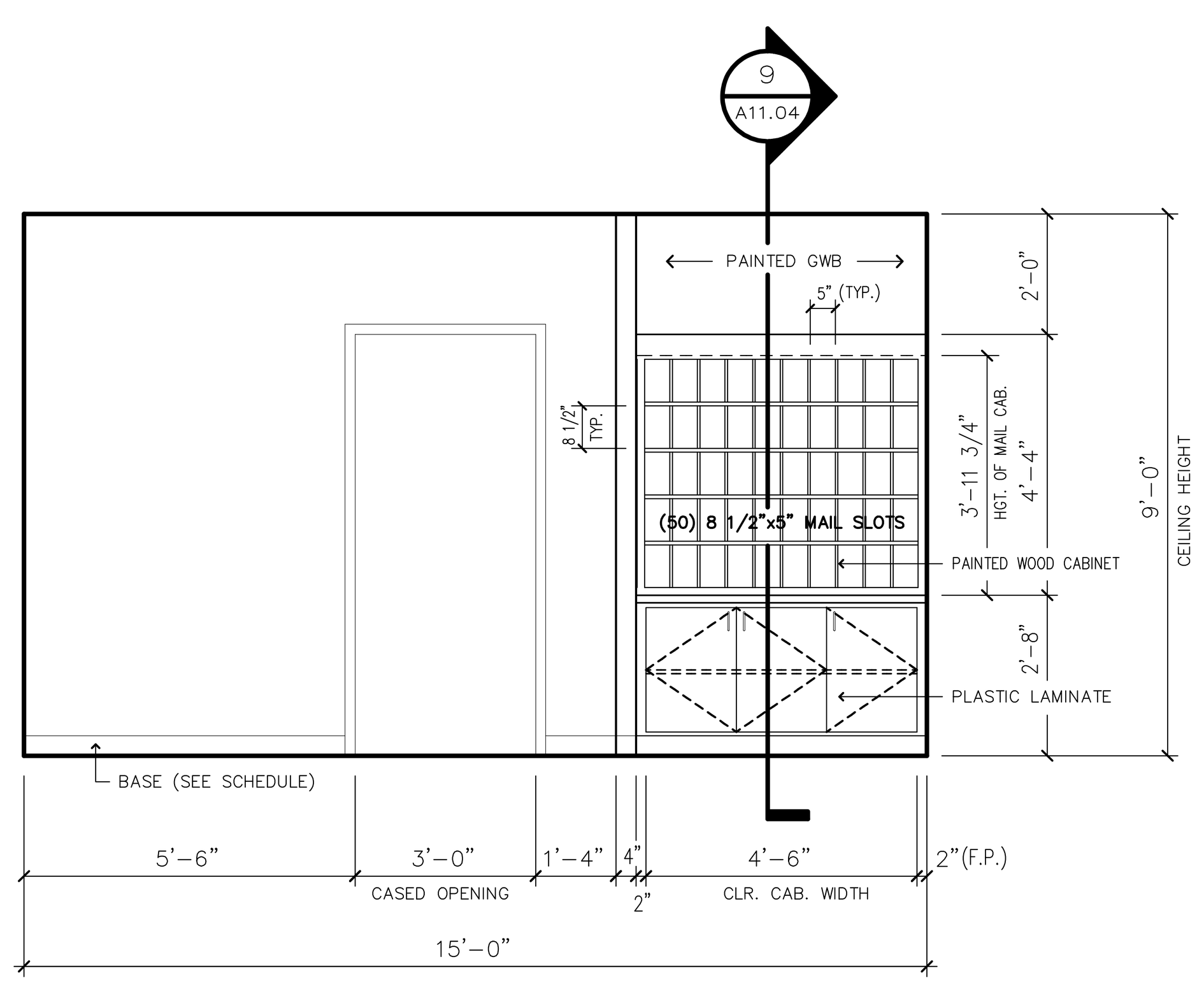
7 A11.01 ELEVATION @ LOBBY

SCALE : 3/8" = 1'-0" (RM. 158)



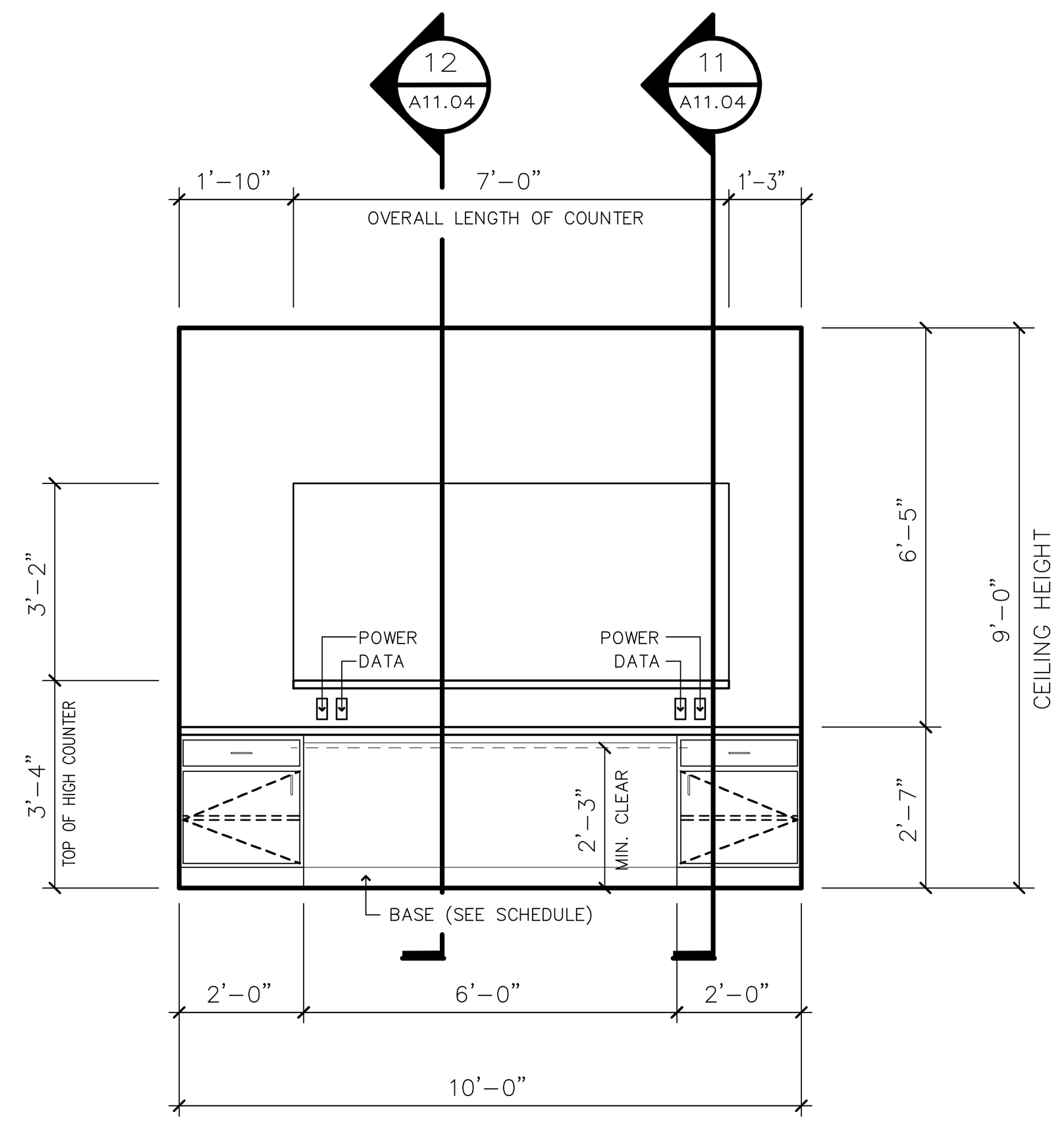
A A11.01 ENLARGED PLAN @ STORAGE

SCALE : 3/8" = 1'-0" (RM. 158)



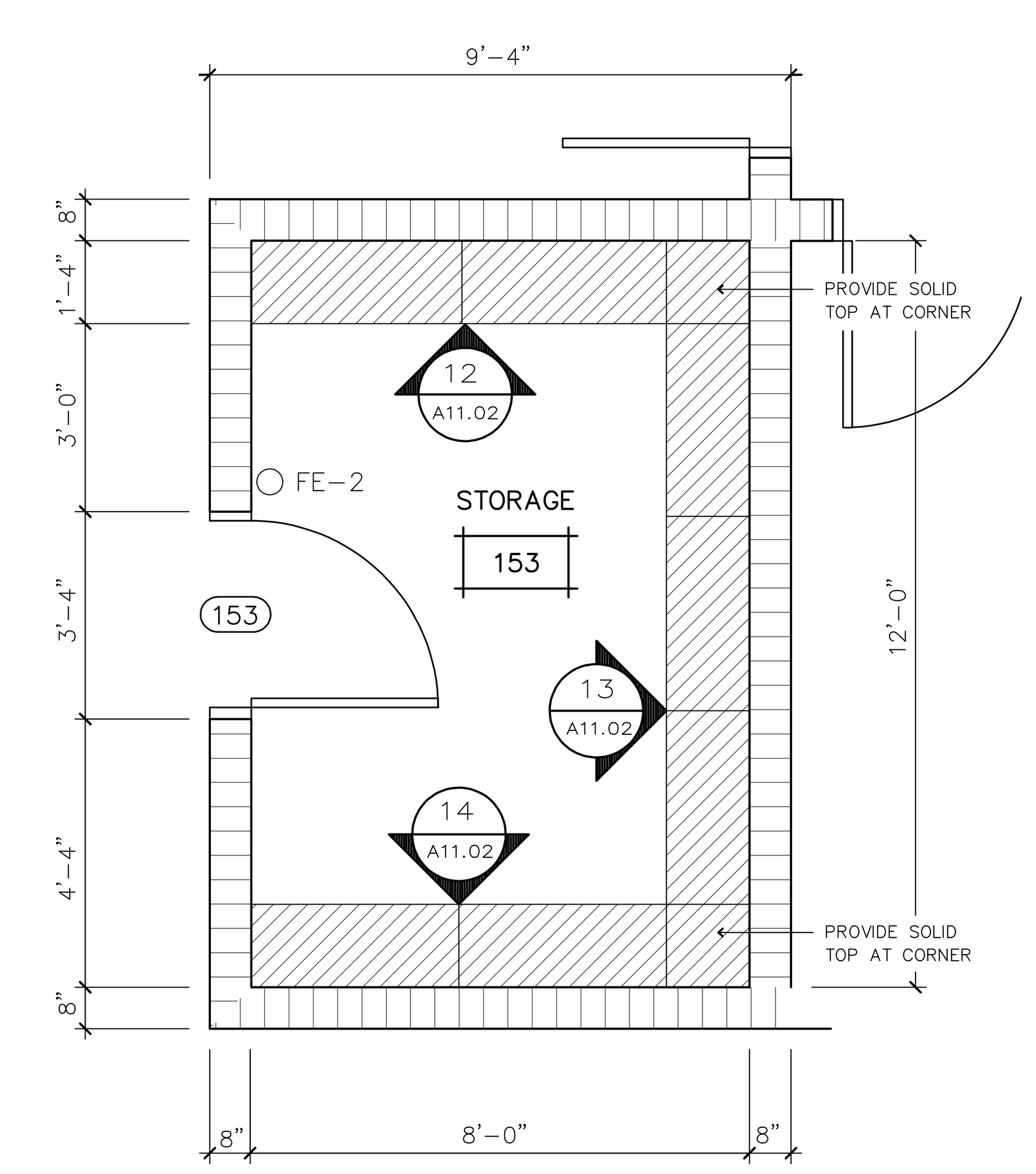
8 A11.01 ELEVATION @ MEDIA ROOM

SCALE : 3/8" = 1'-0" (RM. 160)



9 A11.01 ELEVATION @ RECEPTION

SCALE : 3/8" = 1'-0" (RM. 159)



B A11.01 ENLARGED PLAN @ STORAGE

SCALE : 3/8" = 1'-0" (RM. 158)

GENERAL MILLWORK ELEVATION NOTES :

1. PROVIDE FINISHED CABINET ENDS AT ALL KNEESPACE LOCATIONS.
2. SEE FINSIH SCHEDULES ON SHEET A3.01 FOR ALL PLASTIC LAMINATE DESCRIPTIONS, INCLUDING CABINET FACES AND COUNTERTOPS.
3. SEE FINISH SCHEDULES ON SHEET A3.01 FOR ALL PAINT COLORS FOR CABINETS NOTED TO BE PAINTED.
4. ALL CABINET ELEVATIONS ARE TO RECEIVE PLASTIC LAMINATE, UNLESS NOTED TO BE PAINTED WOOD.
5. ALL COUNTERTOPS TO BE PLASTIC LAMINATE, UNLESS NOTED TO BE GRANITE.
6. STORAGE CABINET UNITS LOCATED IN STORAGE ROOMS 118 AND 153 ARE TO HAVE A SOLID CAP INSTALLED AT ROOM CORNERS TO PROVIDE A CLOSURE PANEL TO CONCEAL OPEN AREA BEHIND CABINETS.
7. HIGH COUNTER SURFACE AT LOBBY 158 TO BE SOLID SURFACE, QUARRY COLLECTION, COLOR TO BE SUTTON #1760 BY CAMBRIA. SEE FINISH SCHEDULE ON SHEET A3.01

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REV:	DATE:	REMARKS:
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DRAWN SH

CHECKED SH

JOB NO. 18004

DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

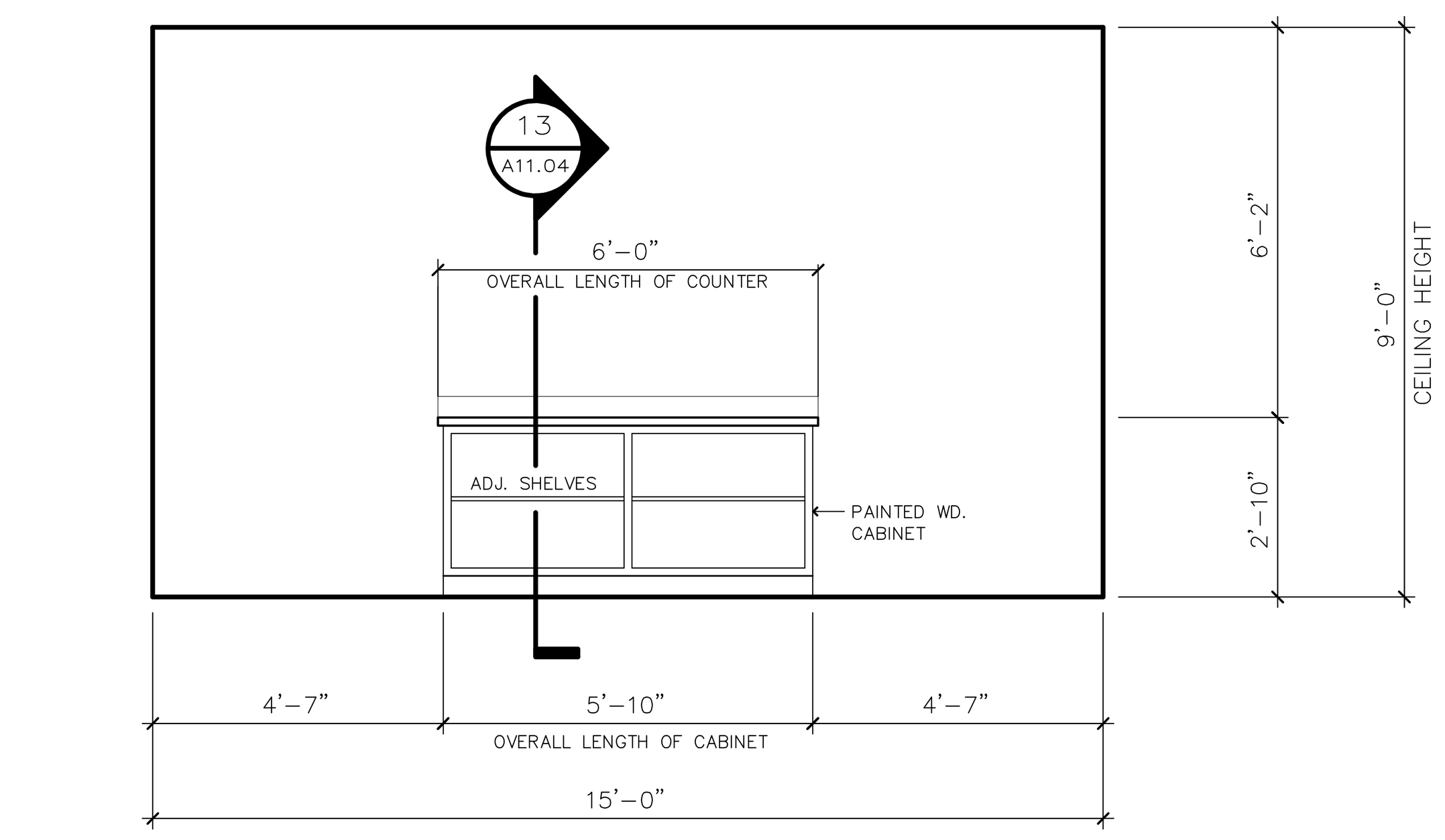
VALDOSTA, GA

SCALE: 3/8" = 1'-0"

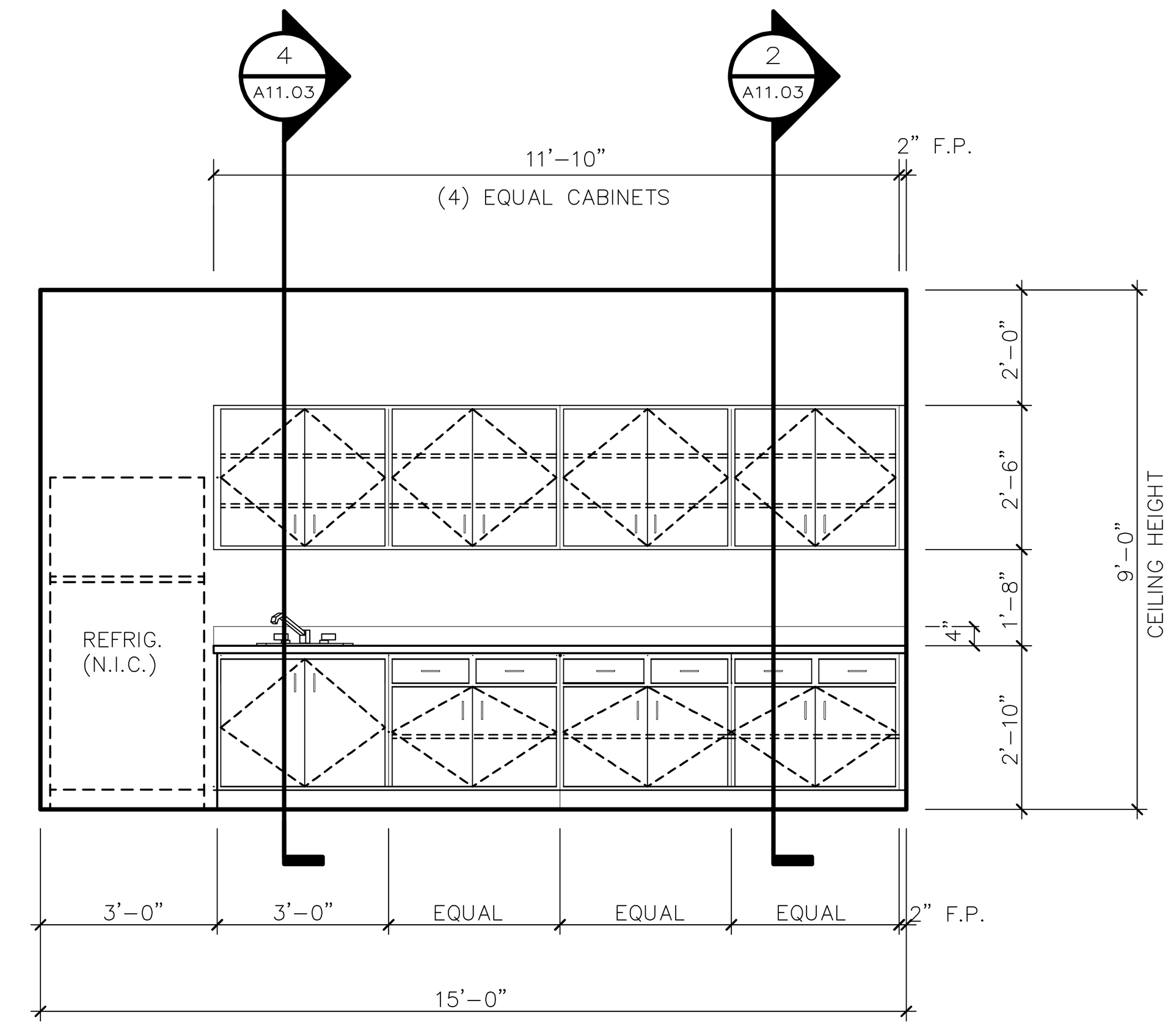
MILLWORK ELEVATIONS

A11.01

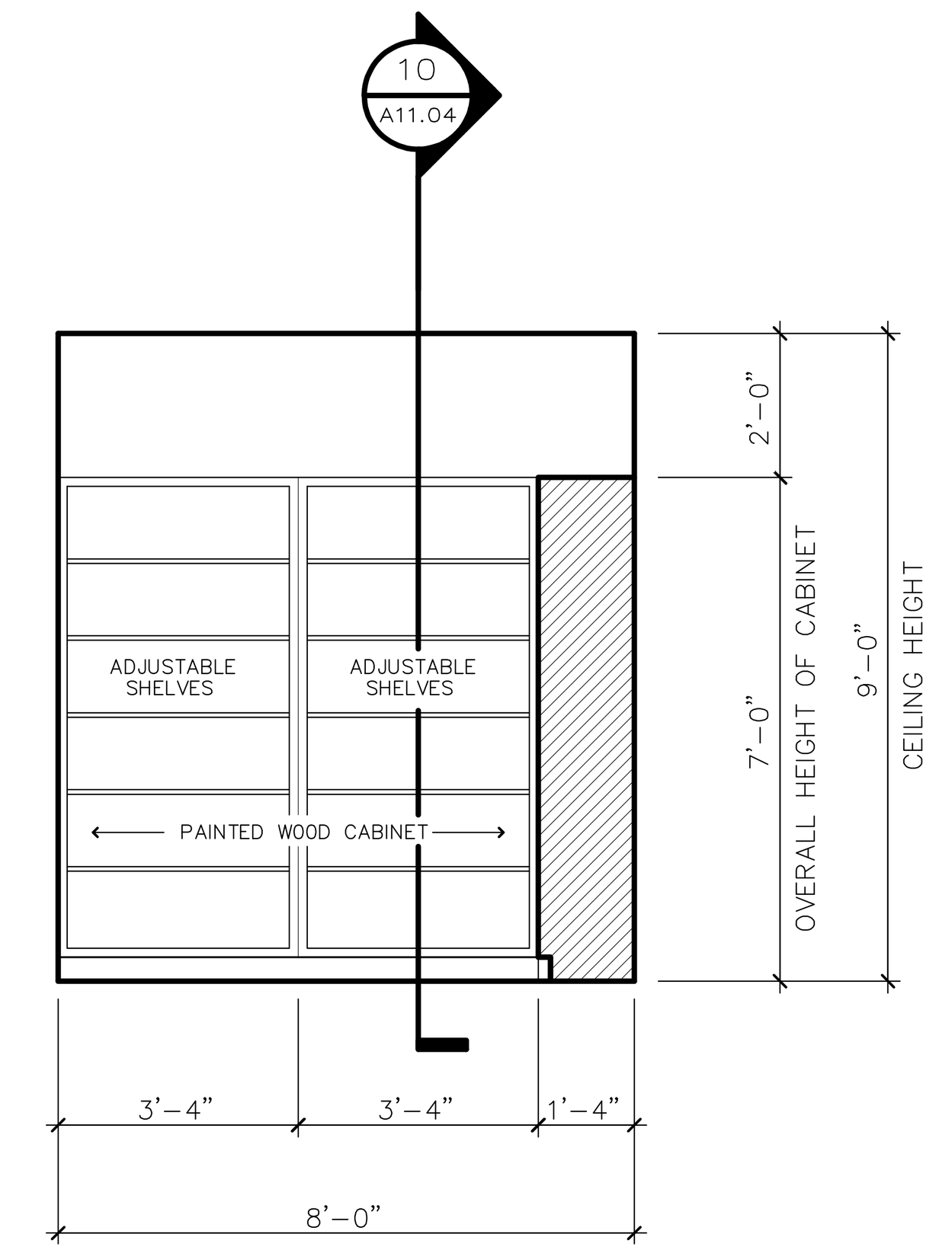
PLOT DATE: 9-19-2018
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A7.01



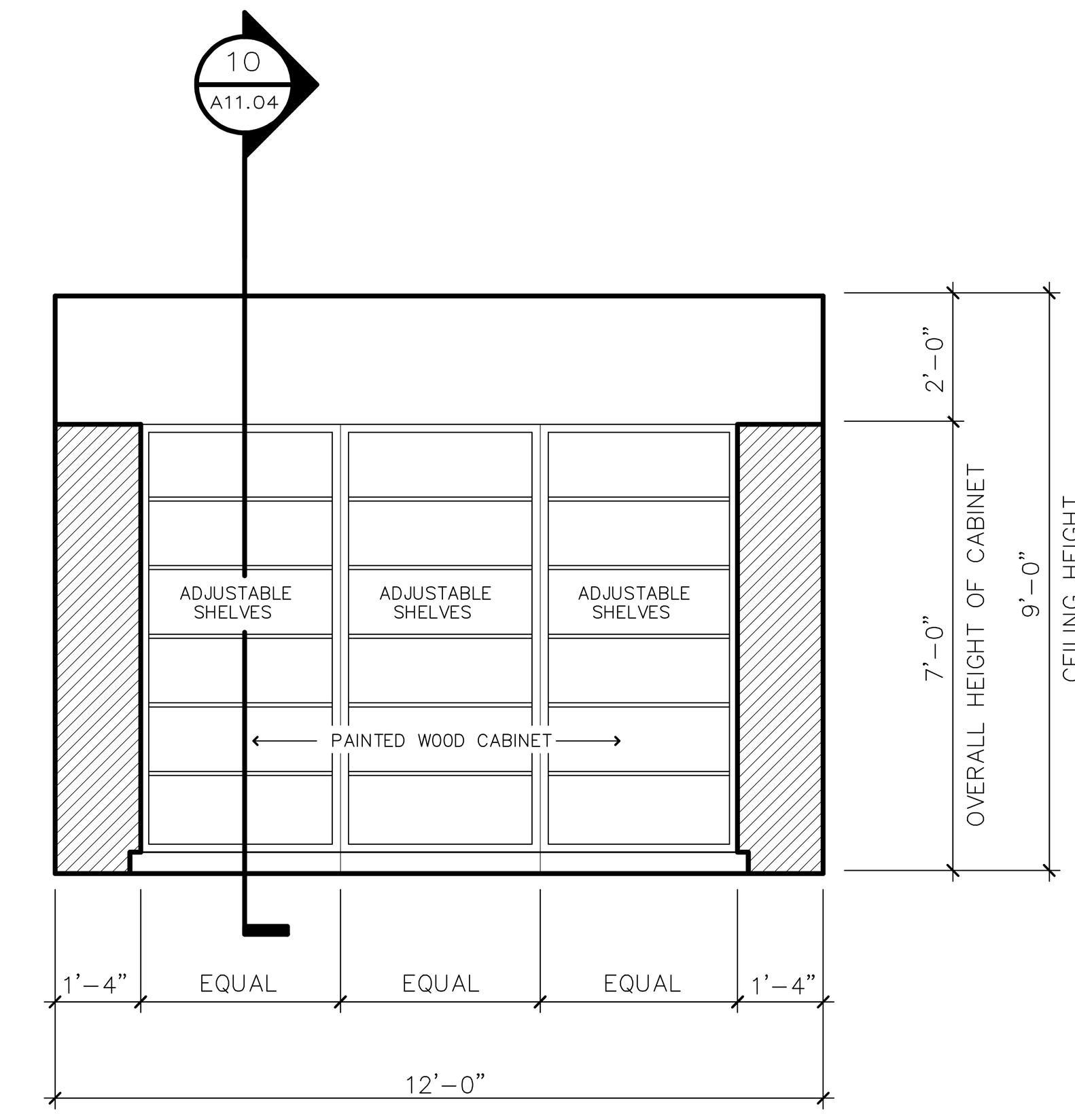
10 A11.02 ELEVATION @ RECORDS ROOM
SCALE : 3/8" = 1'-0" (RM. 121)



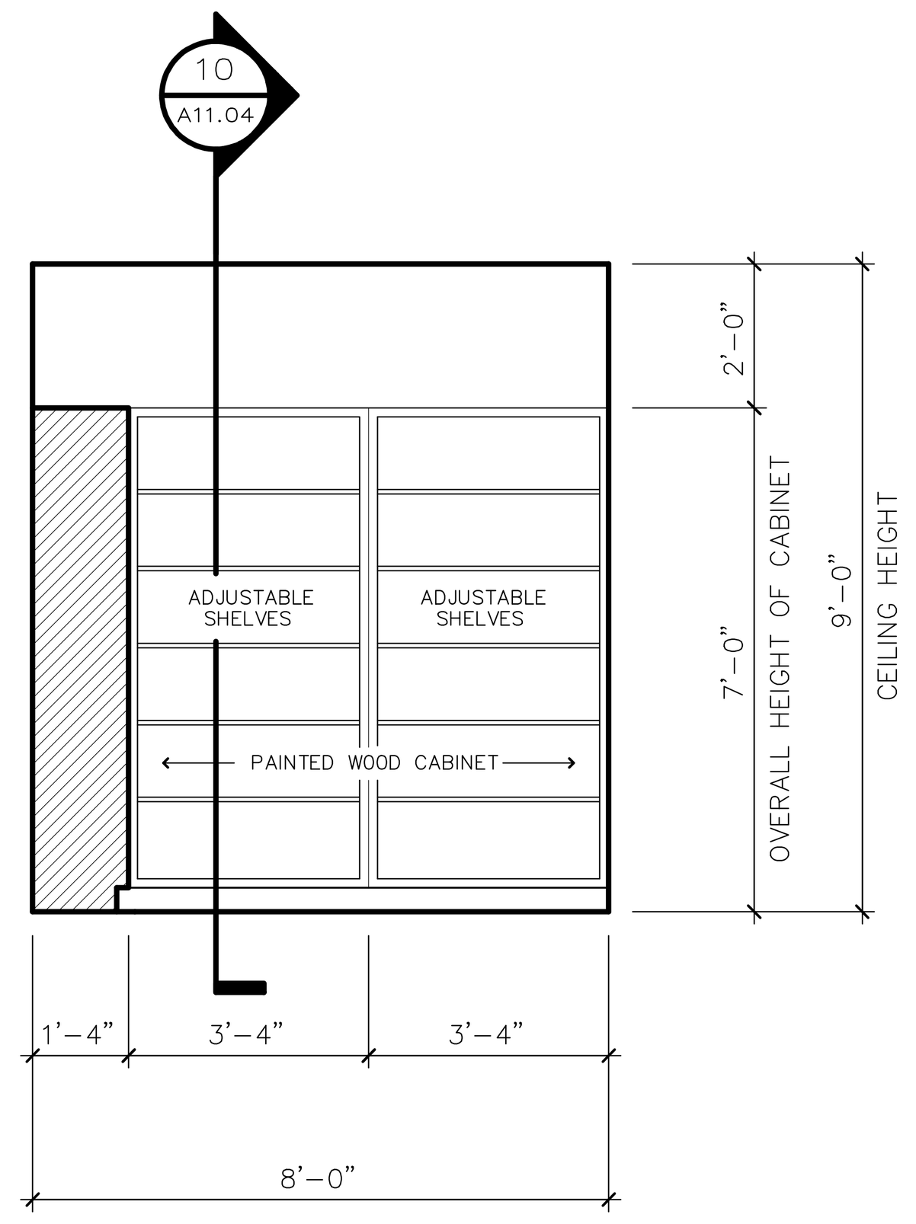
11 A11.02 ELEVATION @ BREAK ROOM
SCALE : 3/8" = 1'-0" (RM. 122)



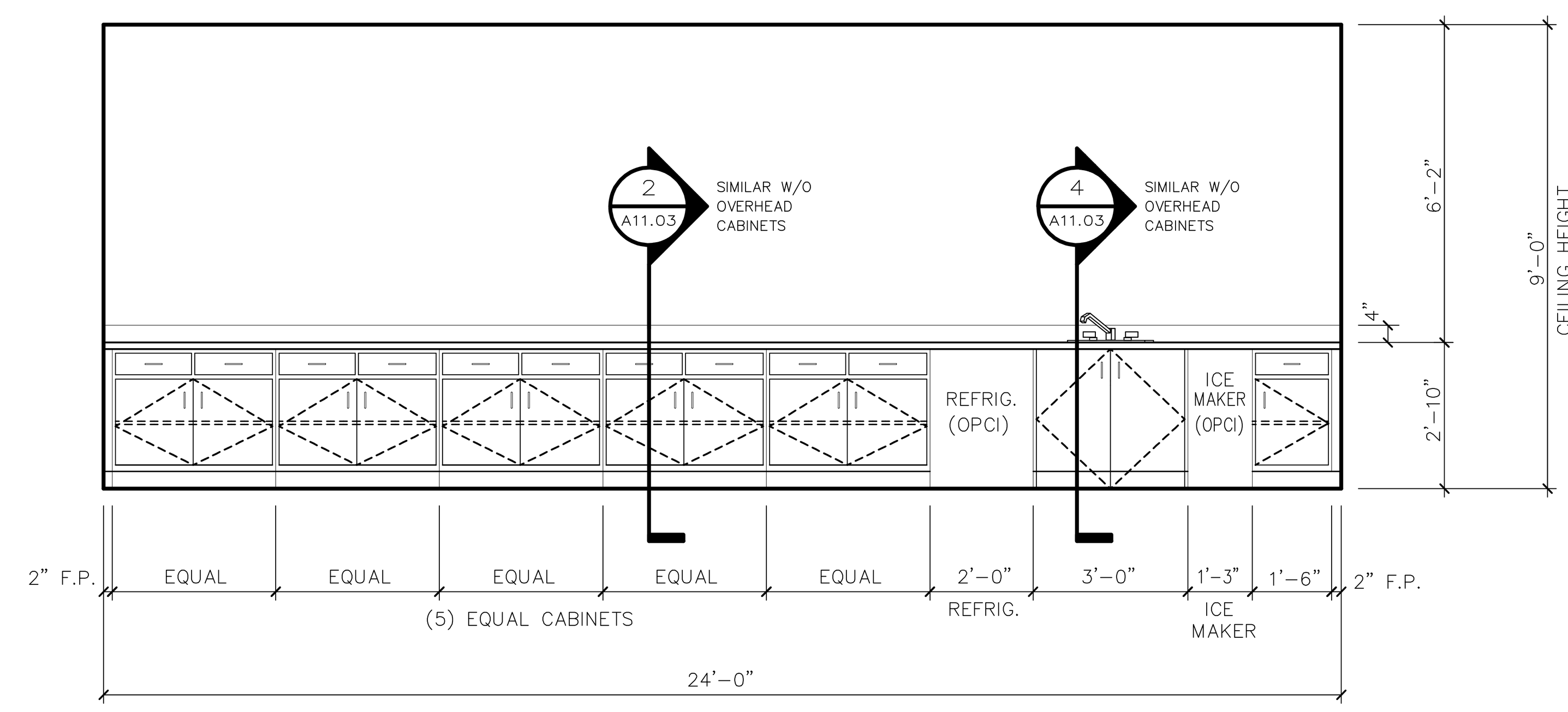
12 A11.02 ELEVATION @ STORAGE
SCALE : 3/8" = 1'-0" (RM. 153)



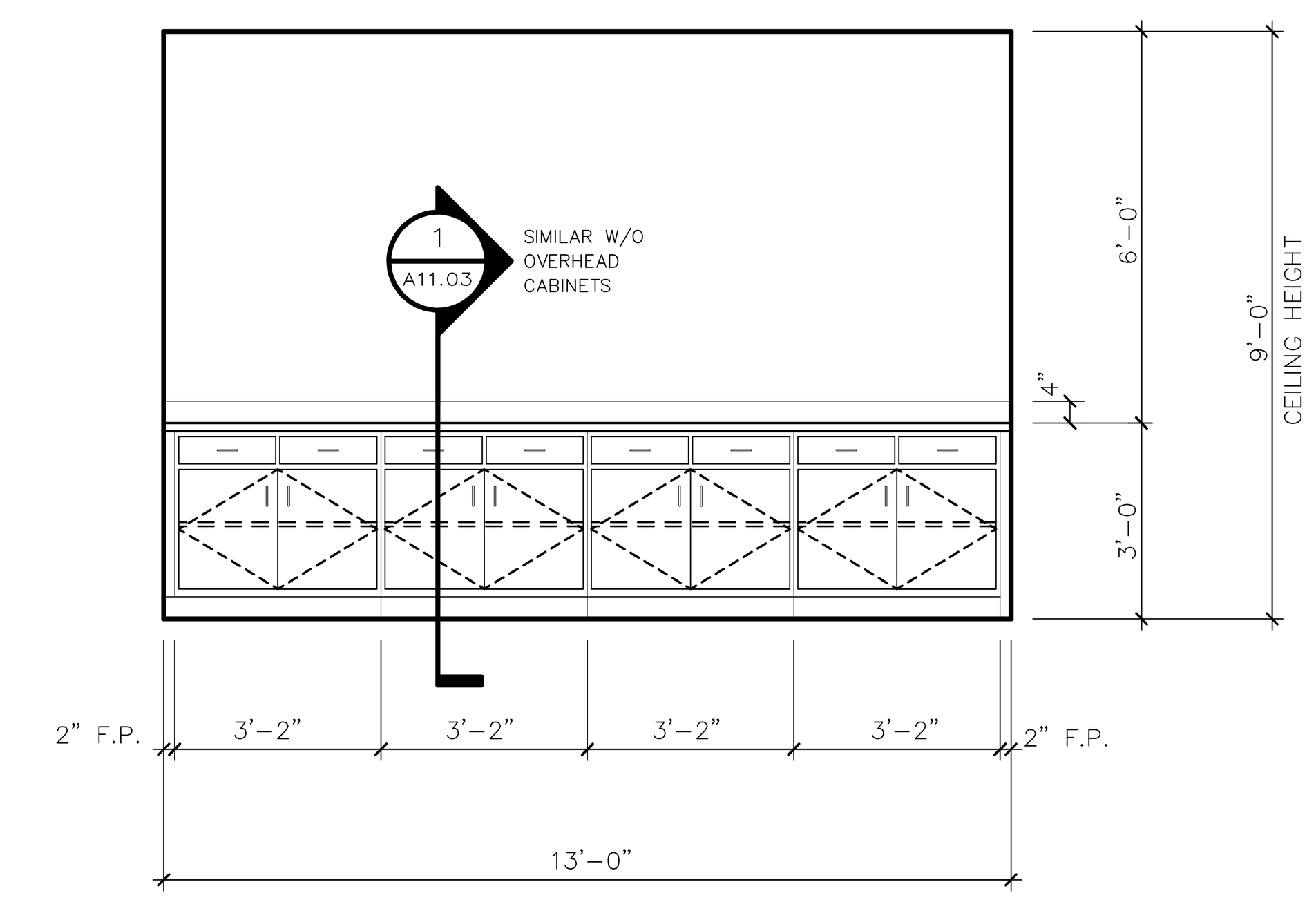
13 A11.02 ELEVATION @ STORAGE
SCALE : 3/8" = 1'-0" (RM. 122)



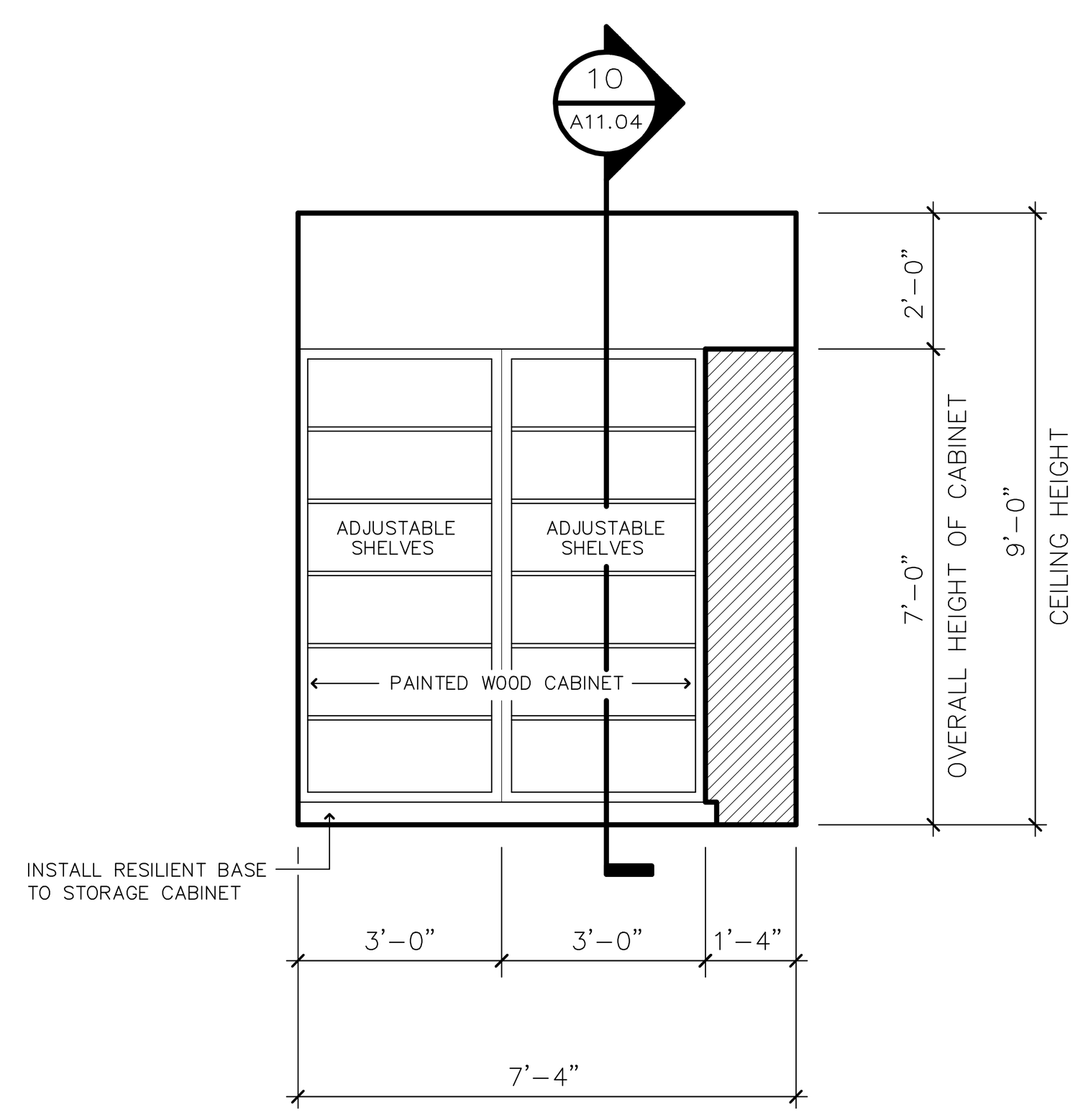
14 A11.02 ELEVATION @ STORAGE
SCALE : 3/8" = 1'-0" (RM. 153)



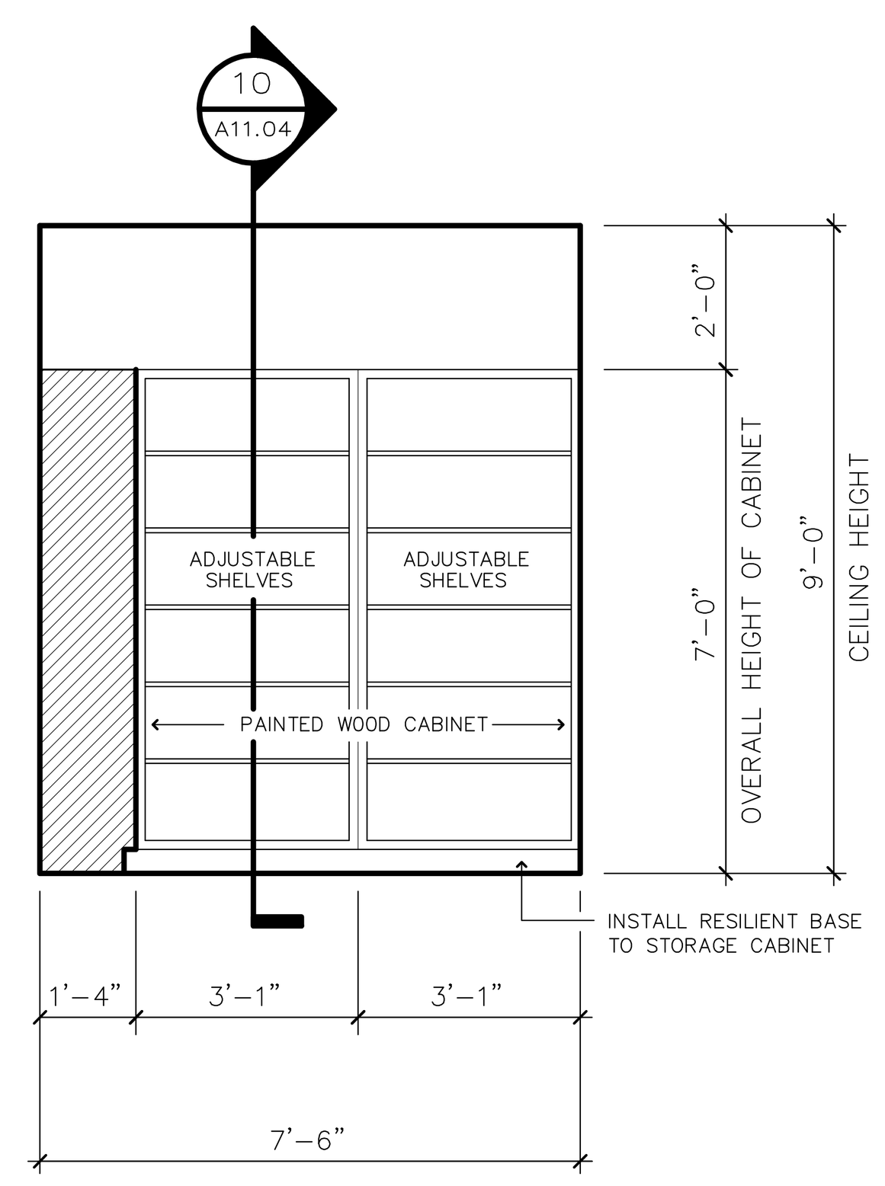
15 A11.02 ELEVATION @ SERVING
SCALE : 3/8" = 1'-0" (RM. 154)



16 A11.02 ELEVATION @ MEDIA ROOM
SCALE : 3/8" = 1'-0" (RM. 130)



17 A11.02 ELEVATION @ STORAGE
SCALE : 3/8" = 1'-0" (RM. 118)



18 A11.02 ELEVATION @ STORAGE
SCALE : 3/8" = 1'-0" (RM. 118)

GENERAL MILLWORK ELEVATION NOTES :

1. PROVIDE FINISHED CABINET ENDS AT ALL KNEESPACE LOCATIONS.
2. SEE FINISH SCHEDULES ON SHEET A3.01 FOR ALL PLASTIC LAMINATE DESCRIPTIONS, INCLUDING CABINET FACES AND COUNTERTOPS.
3. SEE FINISH SCHEDULES ON SHEET A3.01 FOR ALL PAINT COLORS FOR CABINETS NOTED TO BE PAINTED.
4. ALL CABINET ELEVATIONS ARE TO RECEIVE PLASTIC LAMINATE, UNLESS NOTED TO BE PAINTED WOOD.
5. ALL COUNTERTOPS TO BE PLASTIC LAMINATE, UNLESS NOTED TO BE GRANITE.
6. STORAGE CABINET UNITS LOCATED IN STORAGE ROOMS 118 AND 153 ARE TO HAVE A SOLID CAP INSTALLED AT ROOM CORNERS TO PROVIDE A CLOSURE PANEL TO CONCEAL OPEN AREA BEHIND CABINETS.
7. UNDERCOUNTER REFRIGERATOR AND UNDERCOUNTER ICE MAKER IN SERVING ROOM 154 ARE TO BE OWNER PROVIDED, CONTRACTOR INSTALLED (OPCI). COORDINATE REQUIRED SIZE OF OPENINGS WITH OWNER'S EQUIPMENT, PRIOR TO FABRICATION OF MILLWORK.
8. ALL CABINET DOORS LOCATED IN SINK CABINETS ARE TO HAVE TOE-KICK BUILT INTO DOOR. WHEN DOOR IS OPEN, NO BARRIER WILL BE PRESENT TO PREVENT WHEELCHAIR CLEARANCES REQUIRED FOR KNEE SPACE.

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SOUTHERN GEORGIA
REGIONAL COMMISSION

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	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% CD SET

DRAWN SH
CHECKED SH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

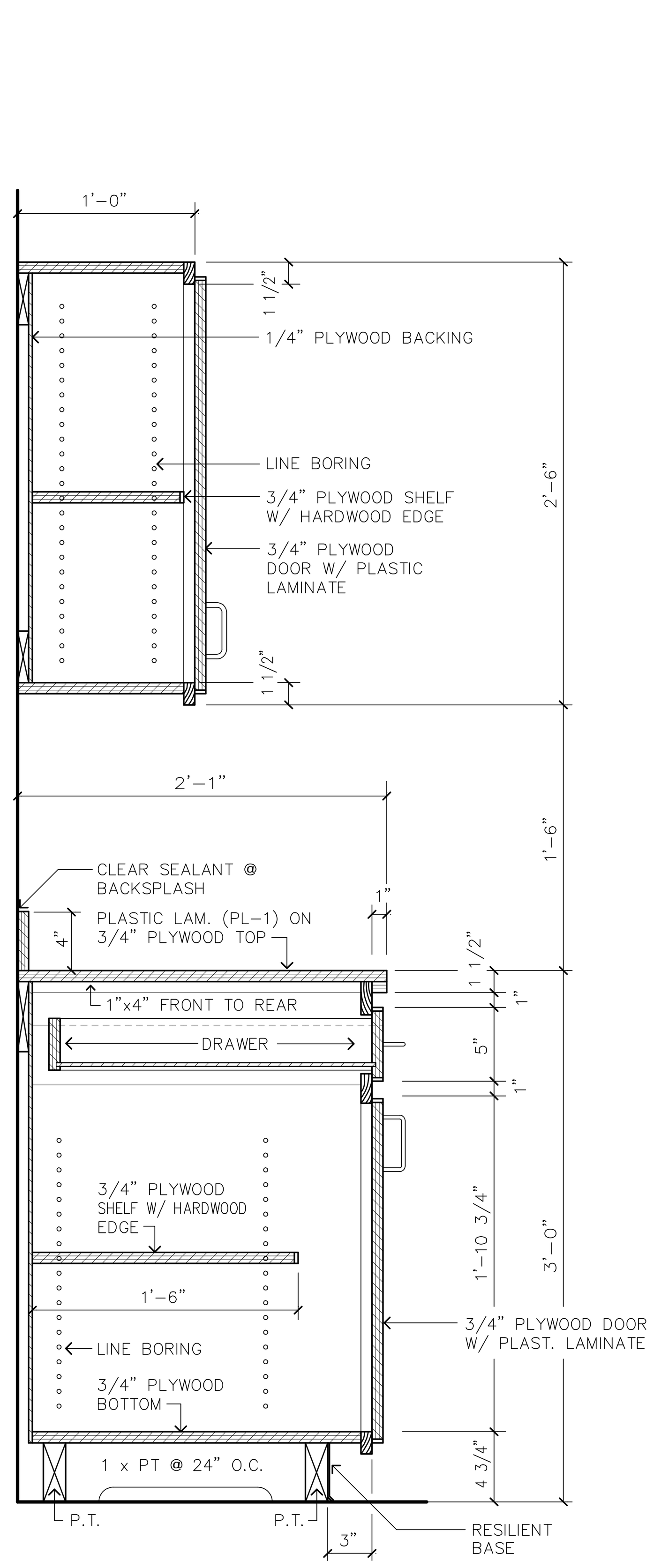
VALDOSTA, GA

SCALE: 3/8" = 1'-0"

MILLWORK ELEVATIONS

A11.02

PLOT DATE: 10-30-2018
PATH\NAME: X:\PROJECTS\18004 SOUTHERN GEORGIA REGIONAL COMMISSION\WORKING DRAWINGS\A11.02



1 A11.03 **MILLWORK SECTION**
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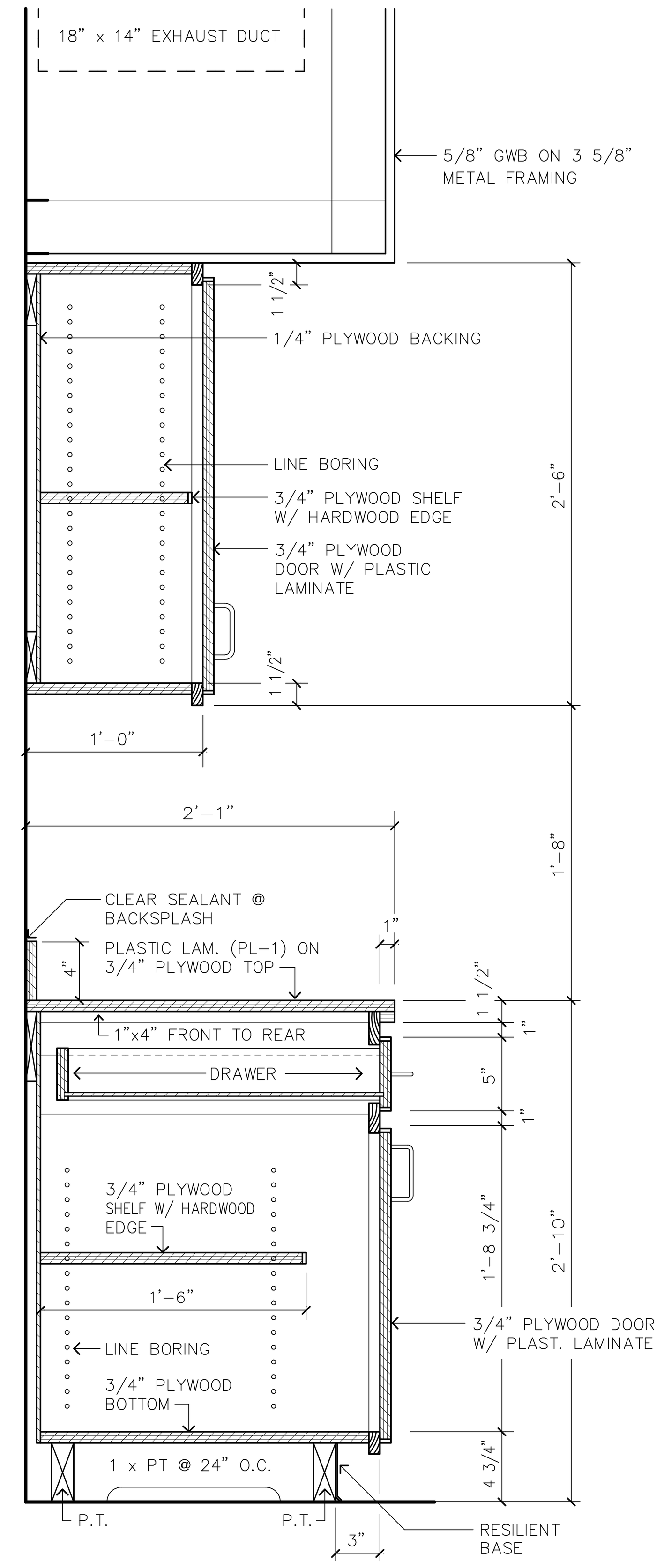

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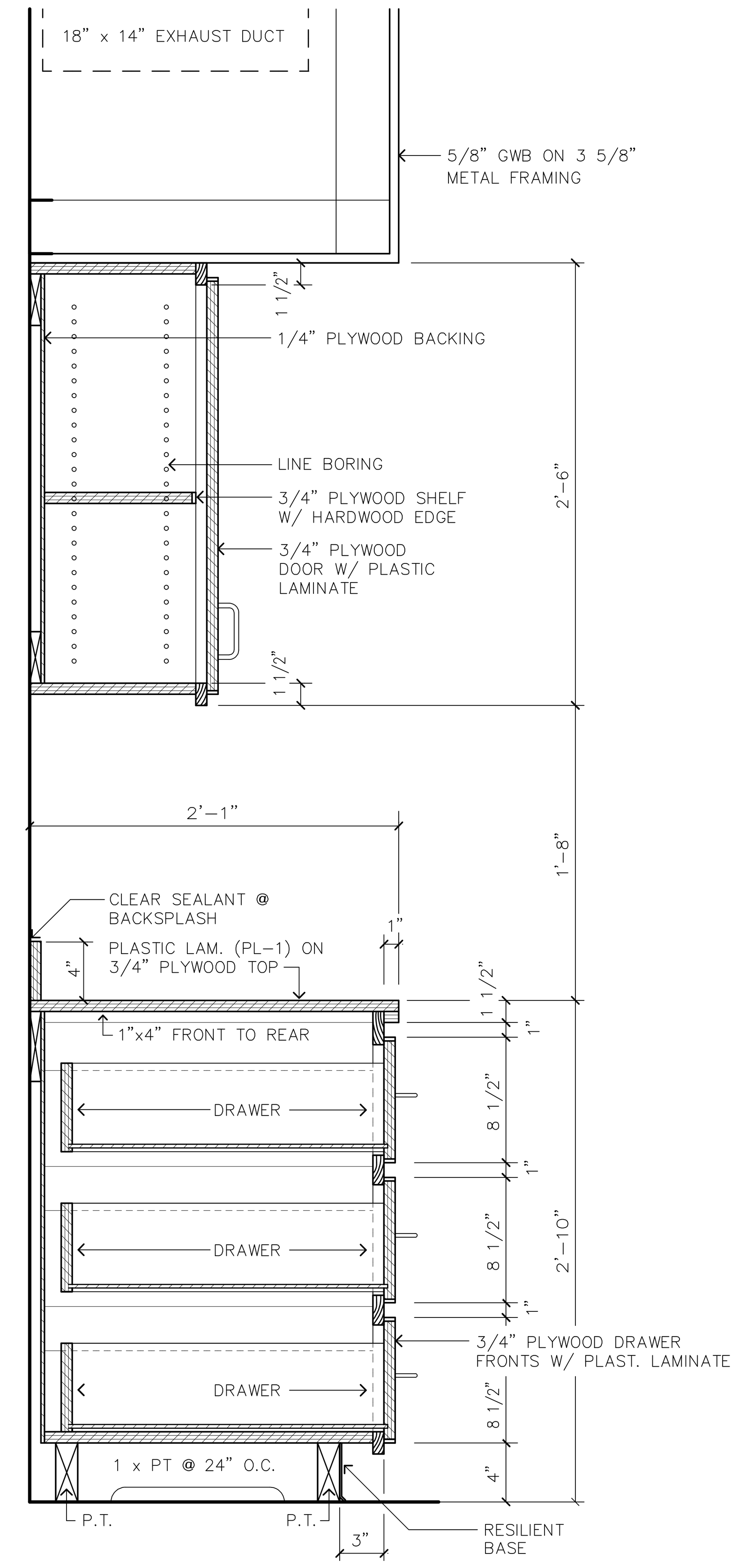

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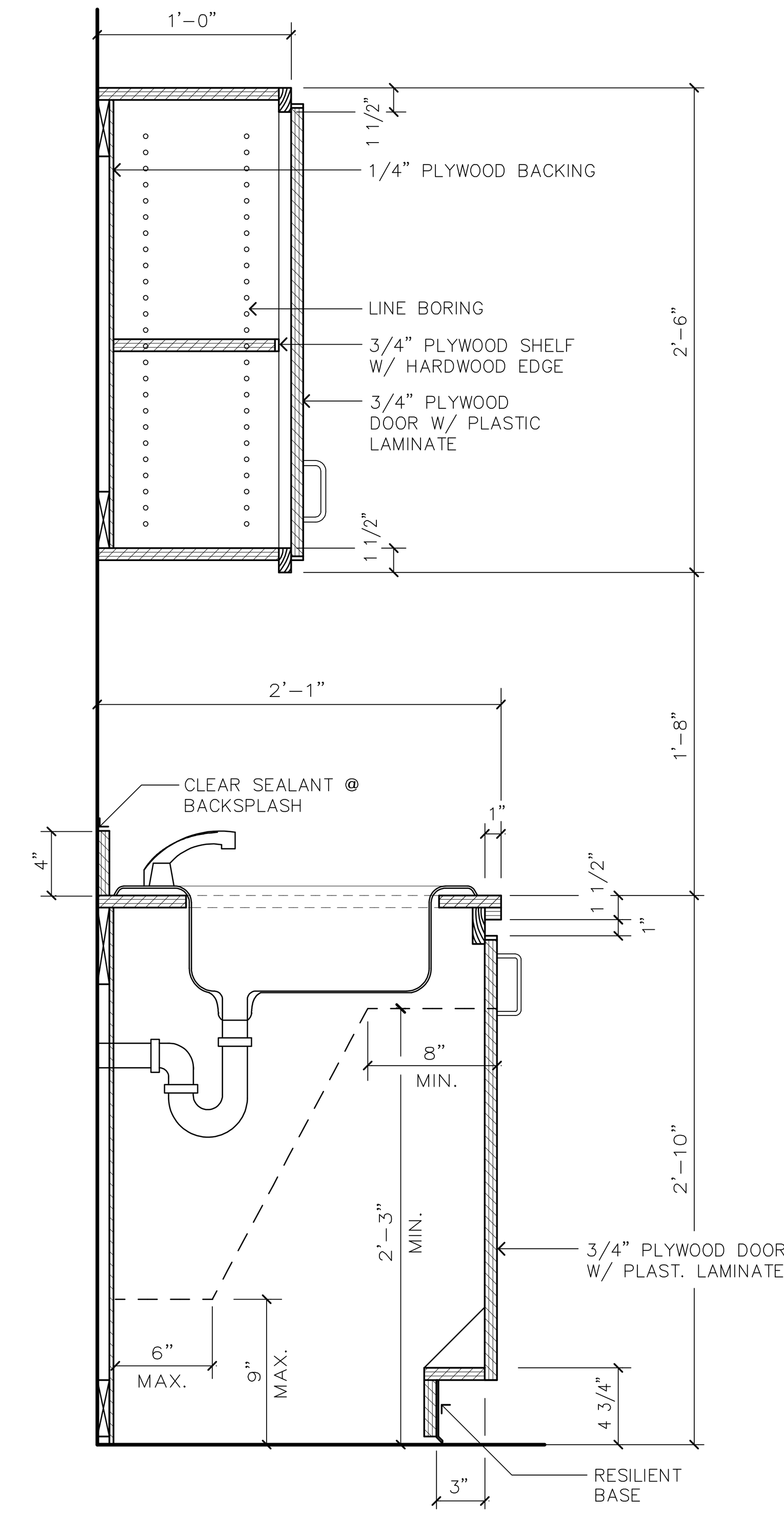

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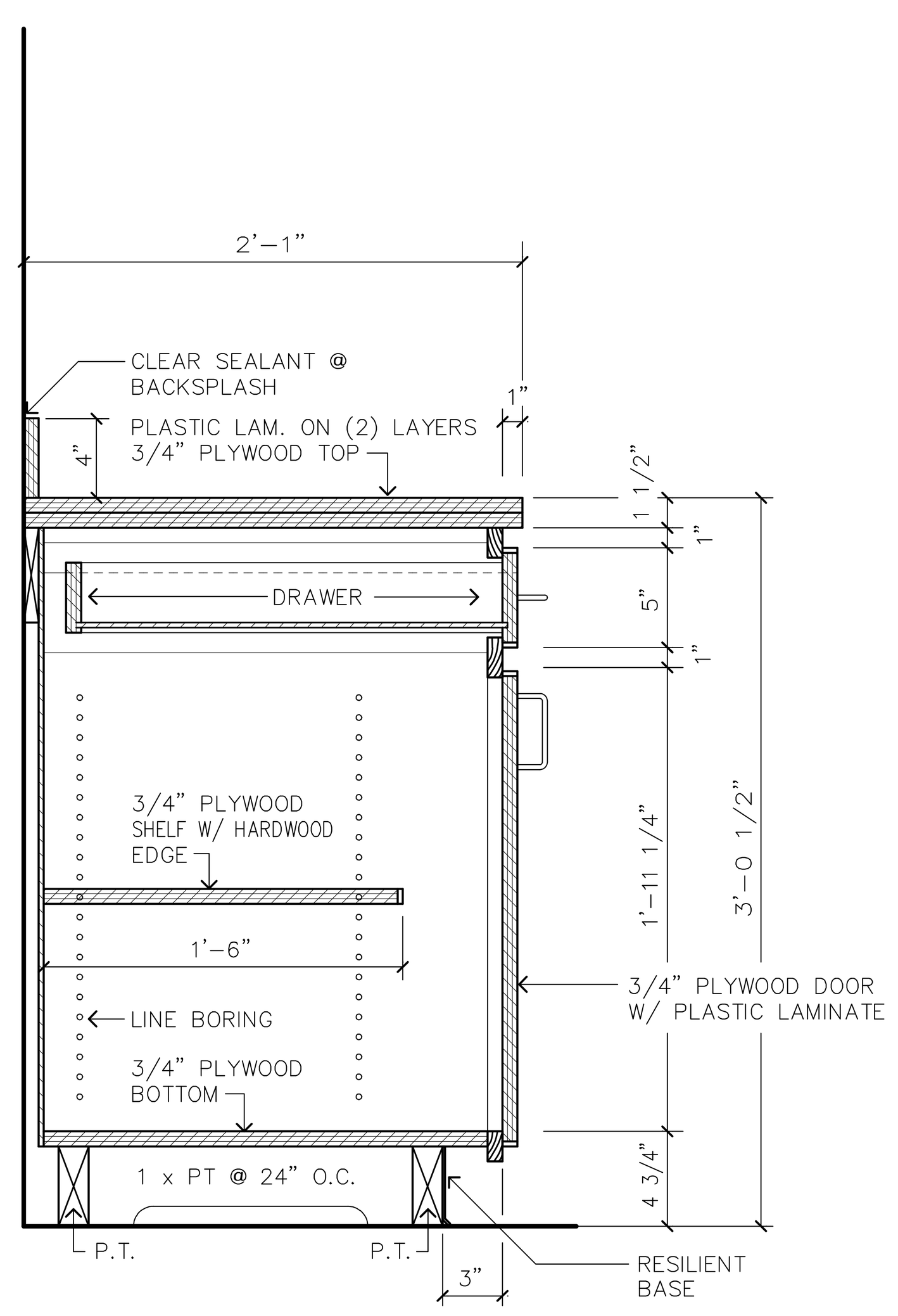

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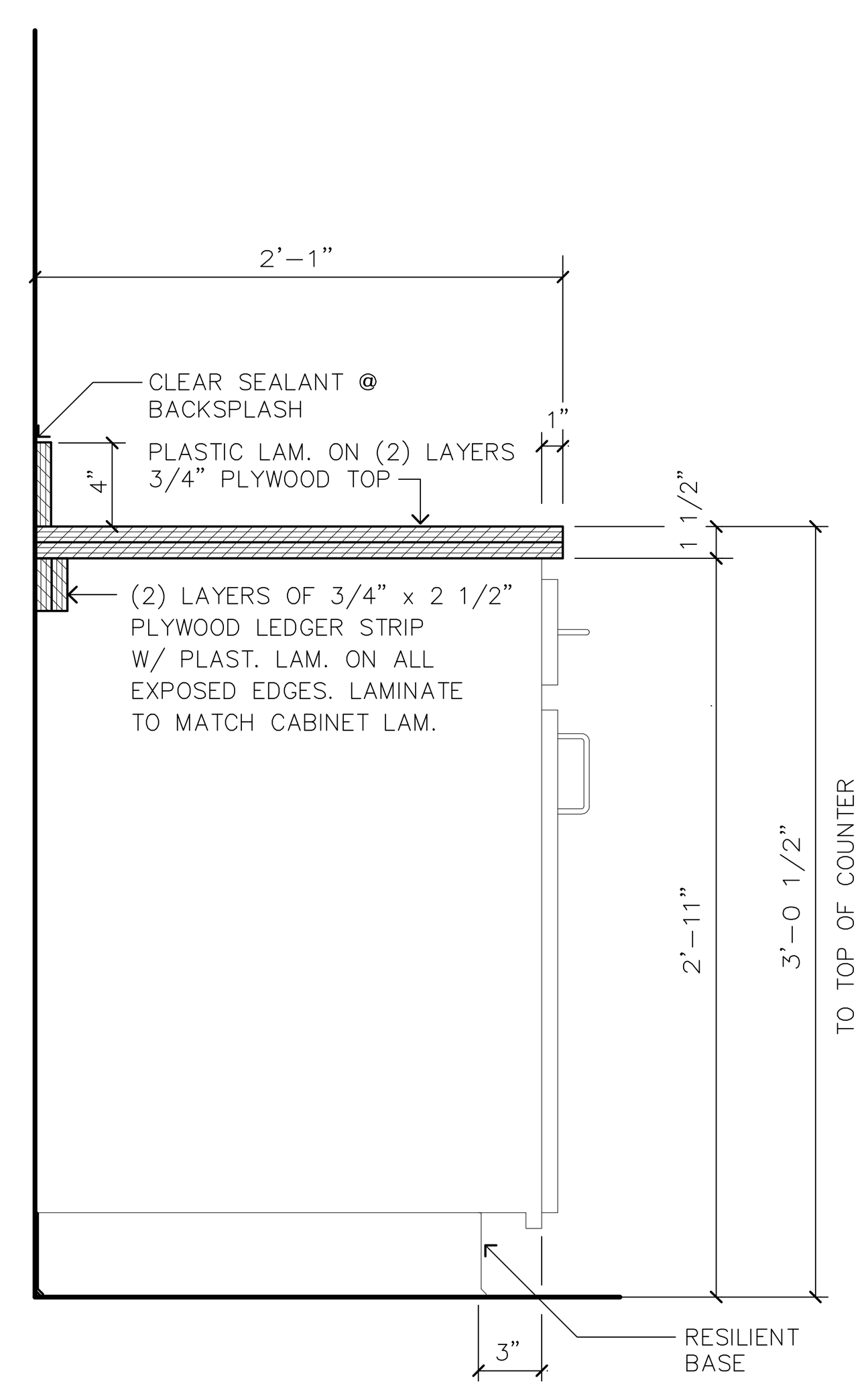

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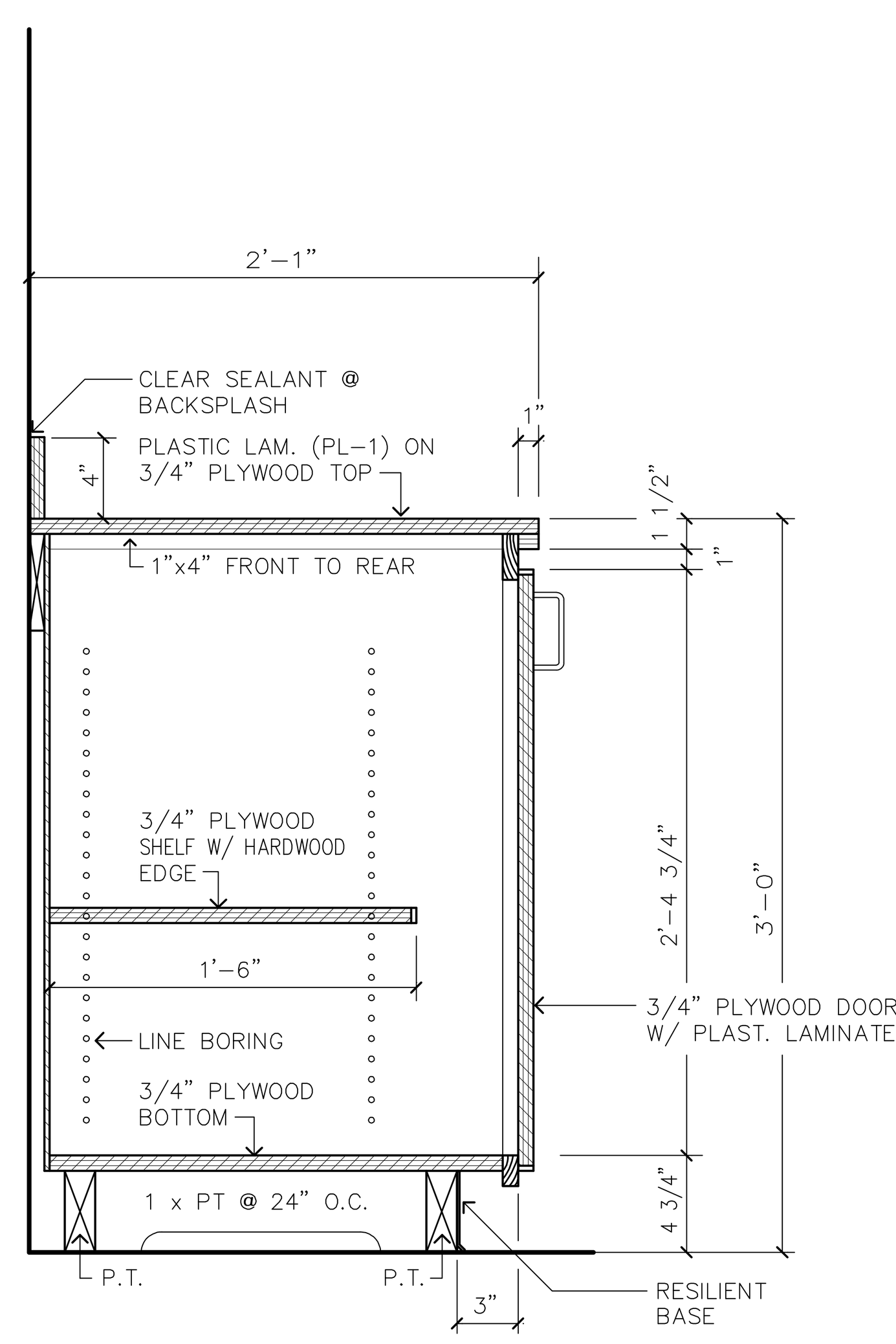

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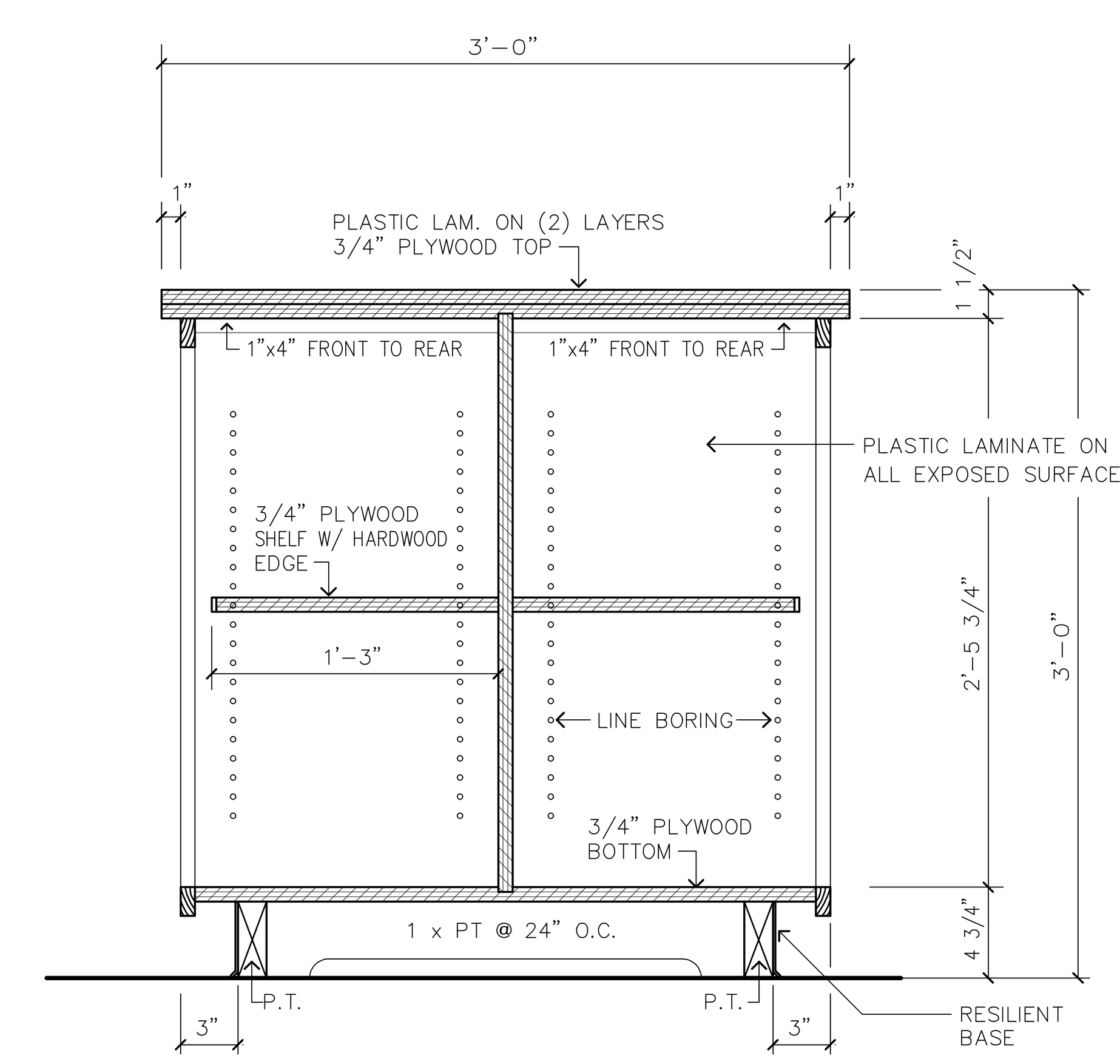

8 A11.03 **MILLWORK SECTION**
SCALE: 1 1/2" = 1'-0"

GENERAL MILLWORK SECTION NOTES :

1. REFER TO FINISH SCHEDULE FOR ALL PLASTIC LAMINATE AND PINT COLORS.
2. PROVIDE GROMMETS FOR EACH WORKSTATION LOCATION IN COUNTERTOPS WITH KNEE SPACE.

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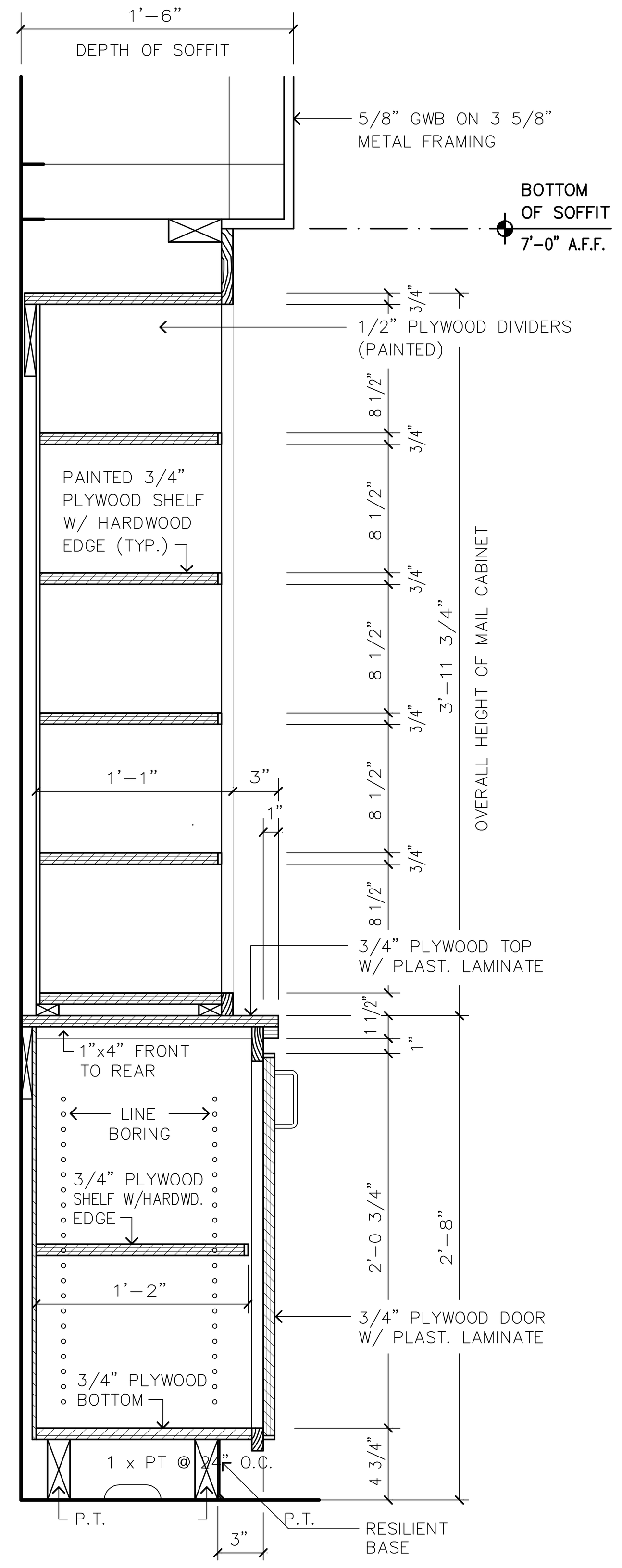
VALDOSTA, GA

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

MILLWORK SECTIONS

A11.03



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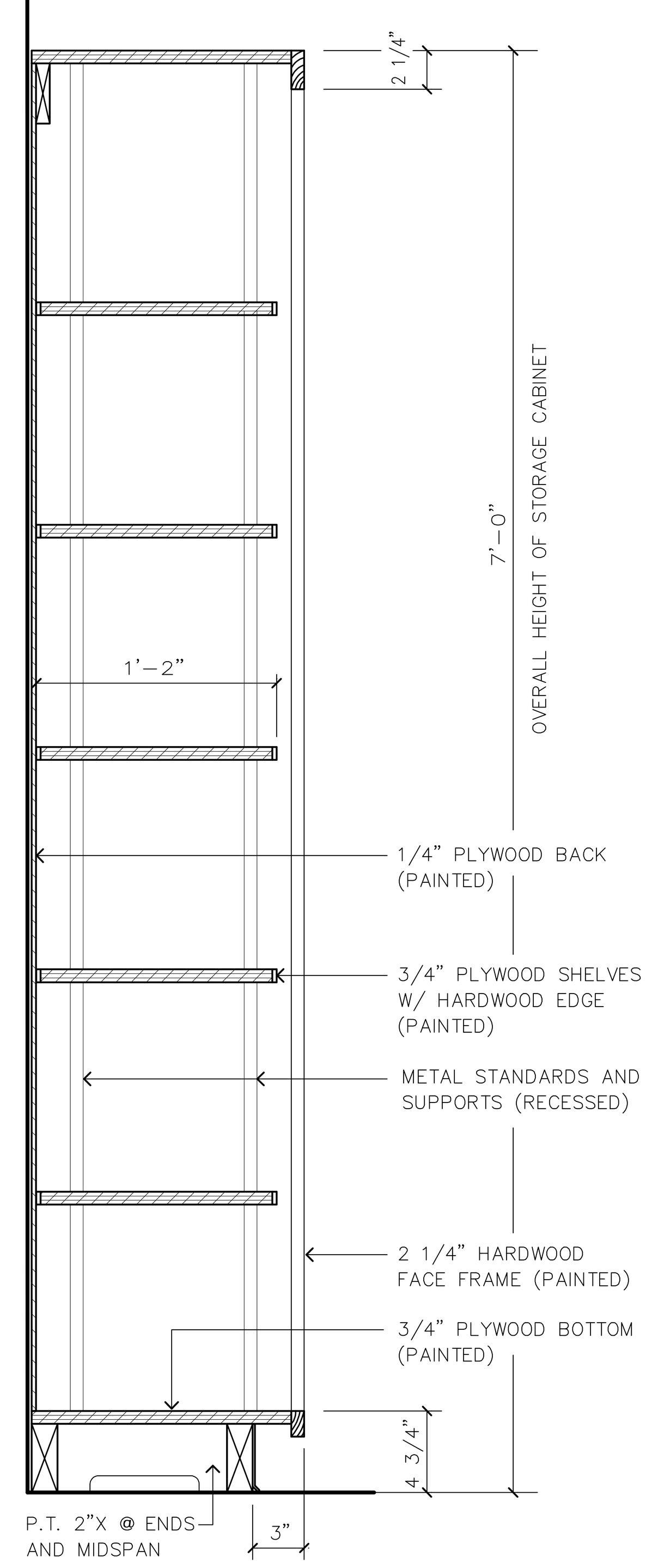

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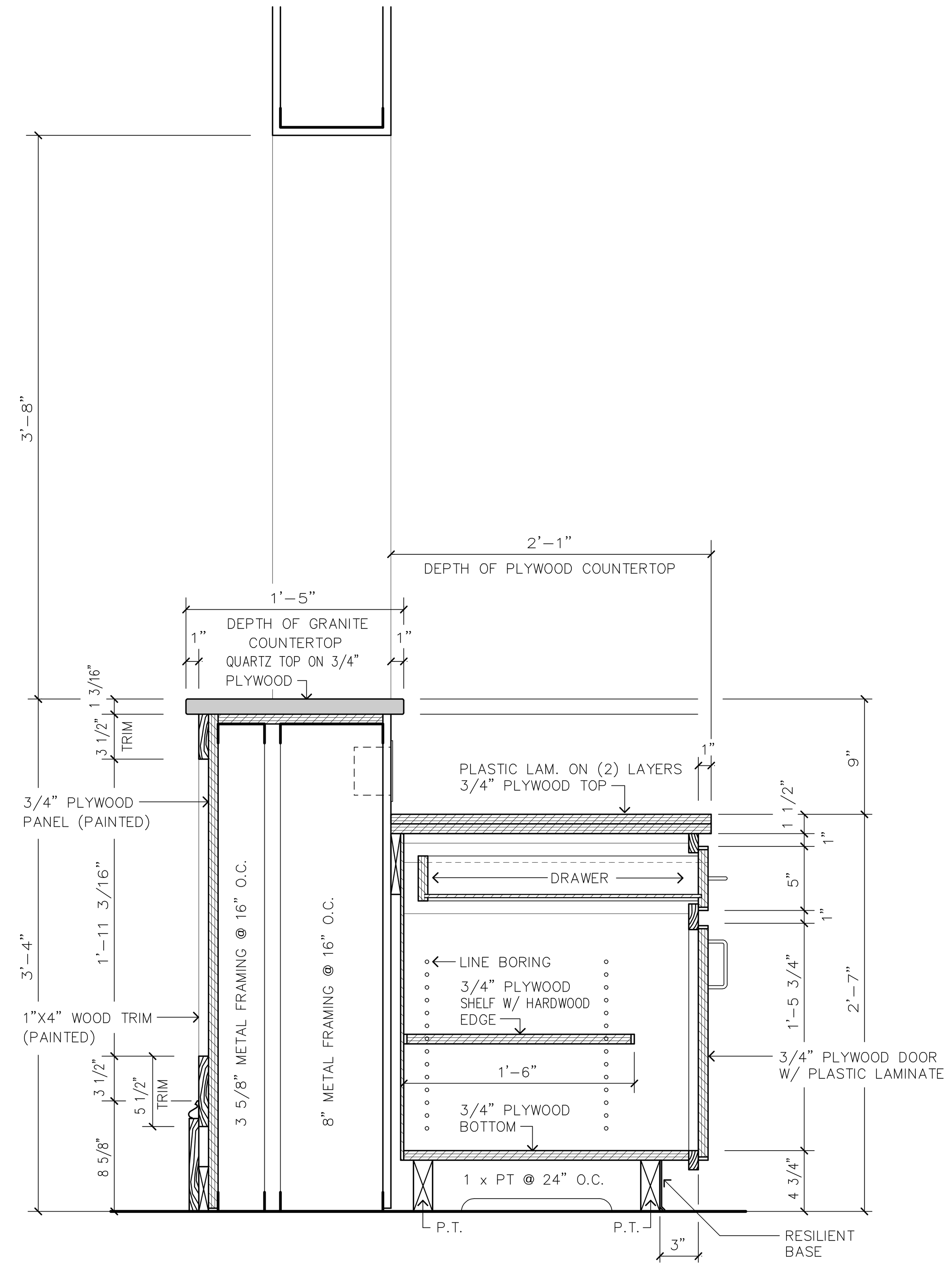

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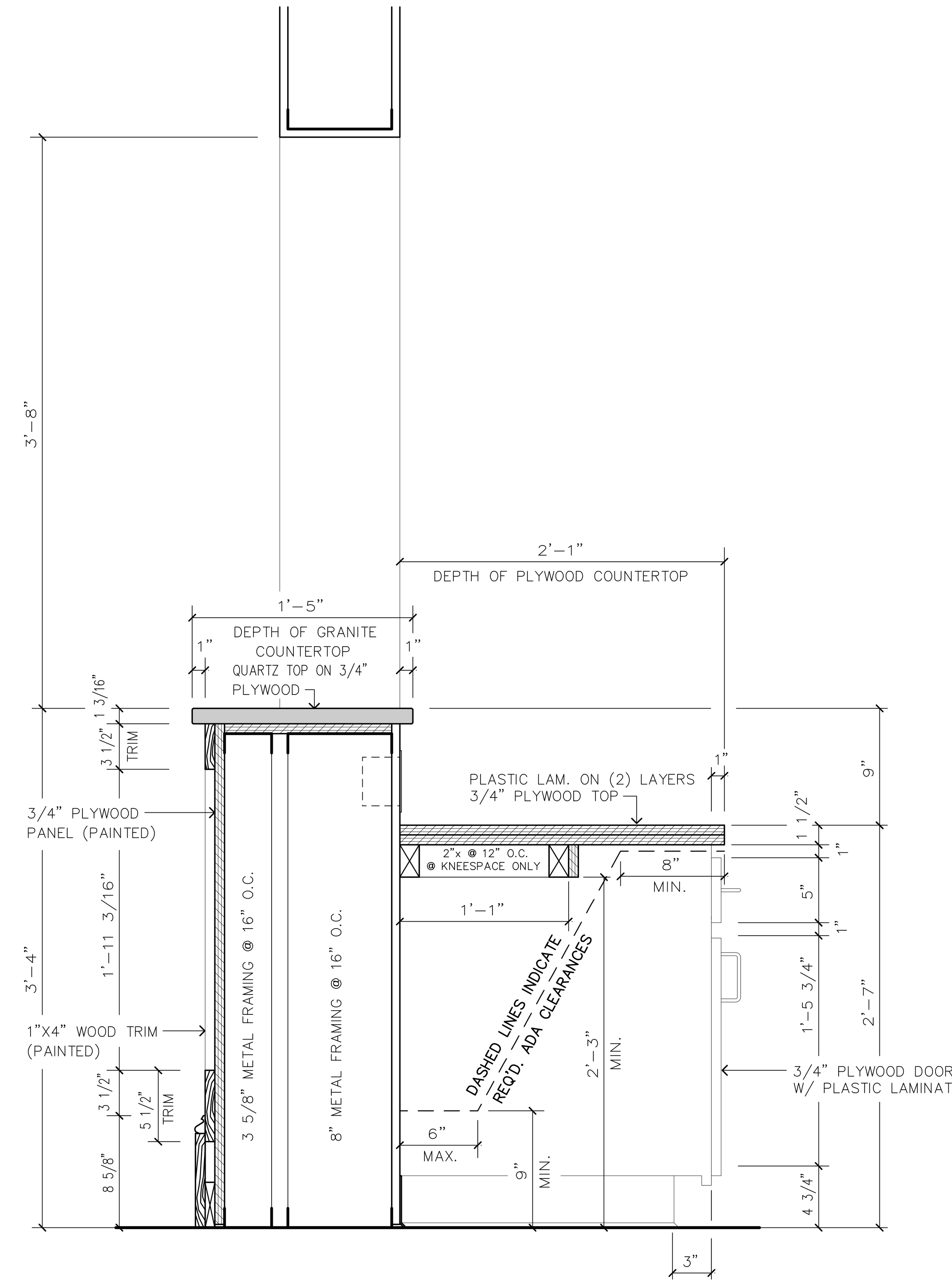

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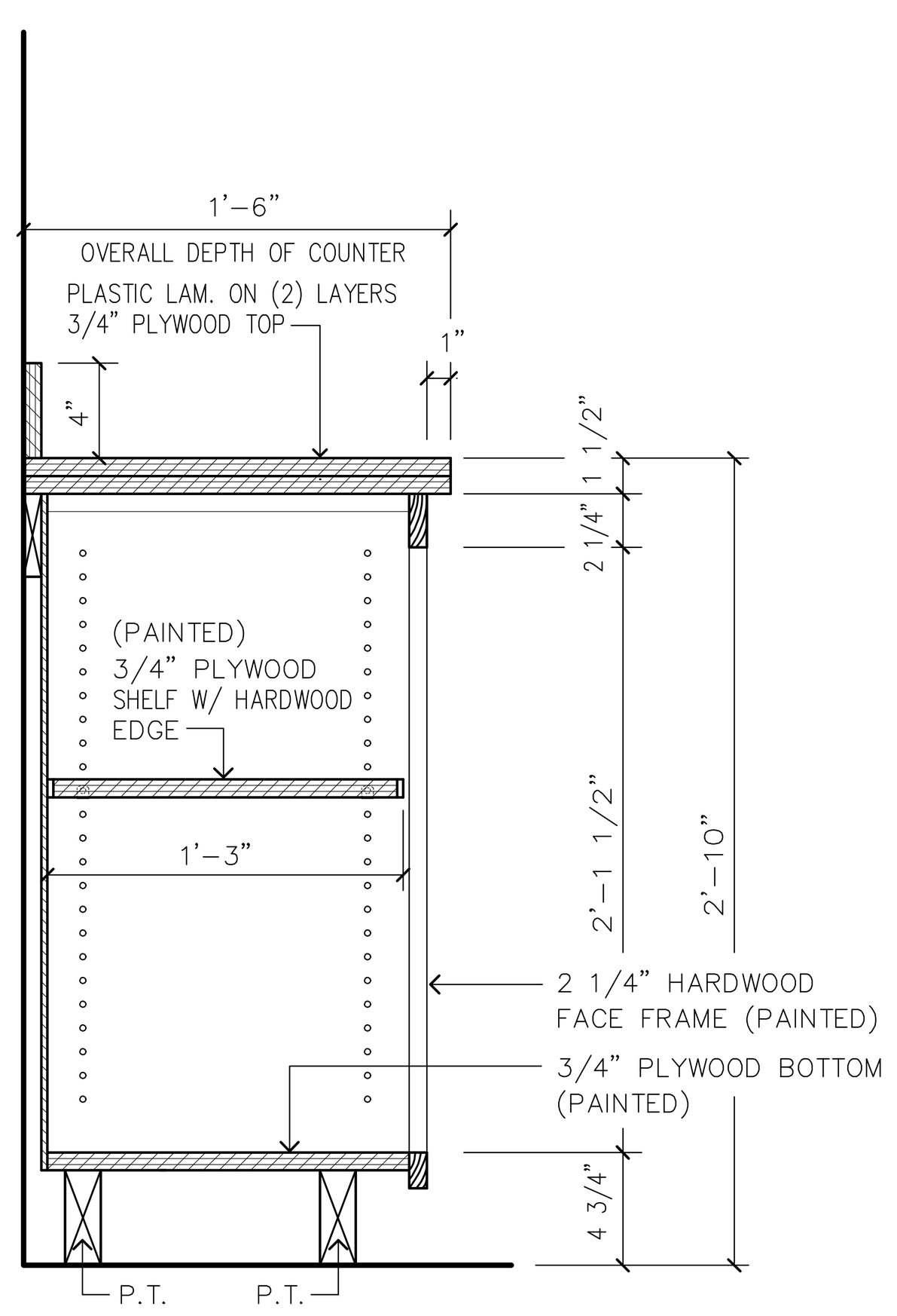

13 MILLWORK SECTION
A11.04
SCALE: 1 1/2" = 1'-0"

PLOT DATE: 12-11-2018
PLOT TIME: 9:14 AM
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GENERAL MILLWORK SECTION NOTES :

1. REFER TO FINISH SCHEDULE FOR ALL PLASTIC LAMINATE AND PINT COLORS.
2. PROVIDE GROMMETS FOR EACH WORKSTATION LOCATION IN COUNTERTOPS WITH KNEE SPACE.
3. ALL ELECTRICAL AND DATA RECEPTACLES AND CONDUIT REQUIRED FOR SERVICES LOCATED AT RECEPTION COUNTER TO BE ROUTED IN METAL WALL FRAMING.

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SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

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

MILLWORK SECTIONS

A11.04

GENERAL NOTES:

1. THESE GENERAL NOTES PRESENT AND/OR SUMMARIZE KEY PROJECT INFORMATION FOR THE PLAN READER'S CONVENIENCE. SEE ALSO PLANS, DETAILS AND PROJECT SPECIFICATIONS FOR FURTHER REQUIREMENTS.
2. ALL REFERENCES TO REFERENCE STANDARDS HEREIN ARE TO MOST RECENT ISSUE IN EFFECT AS OF THE DATE OF THESE DOCUMENTS, UNLESS NOTED OTHERWISE IN PROJECT SPECIFICATIONS.
3. UNLESS OTHERWISE NOTED, REQUIREMENTS GIVEN FOR ONE OR MORE LOCATIONS ALSO APPLY AT OTHER LOCATIONS AT WHICH CONDITIONS ARE SIMILAR. THE REQUIREMENTS GIVEN SHALL BE ADAPTED TO CONDITIONS AT SUCH OTHER LOCATIONS.
4. COORDINATE WORK OF OTHER TRADES SHOWN ON DRAWINGS OR INDICATED IN SPECIFICATIONS WITH STRUCTURAL WORK.

CODE / LOADING

1. BUILDING CODE: IBC 2012; W/ GEORGIA AMENDMENTS
ASCE 7-10
BLDG. RISK CATEGORY = II
2. GRAVITY LOADS:
   A. FIRST FLOOR: DEAD LOAD: 60 PSF; LIVE LOAD: 100 PSF
   B. MEZZ.: DEAD LOAD: 60 PSF; LIVE LOAD: 125 PSF
   C. ROOF: DEAD LOAD: 12 PSF; COLAT. DL: 5 PSF; LIVE LOAD: 20 PSF

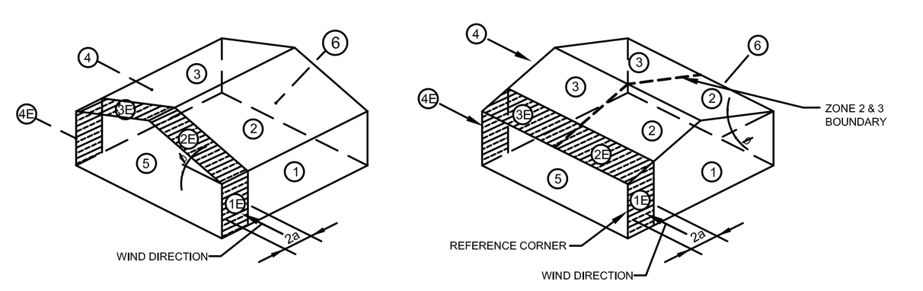
EQUIPMENT LOADING SHALL BE ACTUAL WEIGHT WITH THE TOTAL LOAD EQUAL TO OR GREATER THAN THE MINIMUM LIVE LOADING SPECIFIED.

3. WIND LOADING: V_{ult} = 115 mph
V_{asd} = 89 mph
EXP. CAT. = C
K_{zt} = 1.0

ENCLOSED BUILDING
STRENGTH DESIGN (LRFD) LEVEL: UN-FACTORED ULTIMATE WIND LOADS

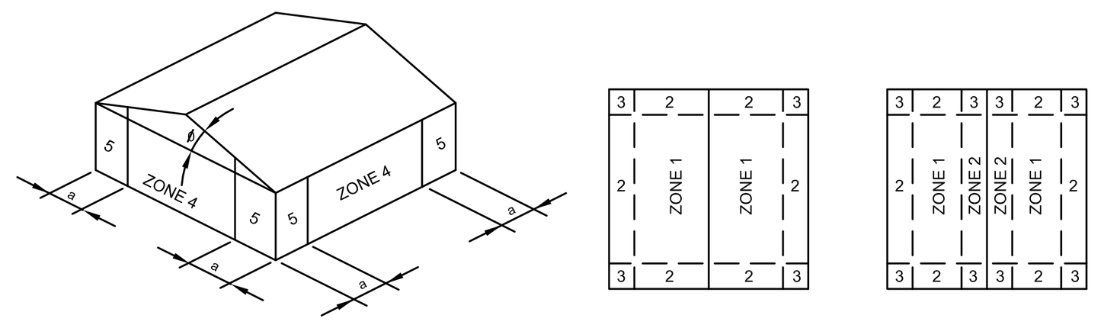
MWFRS:

ZONE 1	12 PSF	ZONE 3	-12 PSF
ZONE 1E	17 PSF	ZONE 3E	-15 PSF
ZONE 2	-11 PSF	ZONE 4	-10 PSF
ZONE 2E	-26 PSF	ZONE 4E	-13 PSF
		ZONE 5	12 PSF
		ZONE 6	-10 PSF



TRANSVERSE DIRECTION LONGITUDINAL DIRECTION

COMP. & CLADDING:	10 Sq. Ft.	50 Sq. Ft.	100 Sq. Ft.
ZONE 1	+16/-24 PSF	+16/-23 PSF	+16/-22 PSF
ZONE 2	+16/-40 PSF	+16/-31 PSF	+16/-26 PSF
ZONE 3	+16/-61 PSF	+16/-37 PSF	+16/-26 PSF
ZONE 4	+22/-24 PSF	+20/-22 PSF	+19/-21 PSF
ZONE 5	+22/-30 PSF	+20/-25 PSF	+19/-23 PSF



WALLS ROOF Ø_7° ROOF Ø>7°

BASIC LOAD CASES

NOTE:
1. a = 10 PERCENT OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZ. DIM. OR 3 ft. (0.9m)
2. Ø = ANGLE OF PLANE OF ROOF FROM HORIZ., IN DEGREES

4. SEISMIC LOADING:

RISK CATEGORY = II
SDC = A per 11.6-1
SDC = B per 11.6-2
SITE CLASS = D
S_S = 0.101 g S_{MS} = 0.162
S_1 = 0.059 g S_{M1} = 0.142
F_A = 1.6 S_{DS} = 0.108
Fv = 2.4 S_{D1} = 0.095
I_E = 1.0

RESPONSE COEF. - C_s = 0.03W
RESPONSE MODIFICATION FACTOR (R) = 3.25
ANALYSIS PROCEDURE USED:
EQUIVALENT LATERAL FORCE PROCEDURE

EARTHWORK NOTES

1. ALL EARTHWORK SHALL BE IN ACCORDANCE WITH DIVISION 2 OF THE SPECIFICATIONS AND AS FOLLOWS:
A. STRIPPING: THE INITIAL STEP IN SITE PREPARATION SHOULD BE TO REMOVE EXISTING TREES, UNDERBRUSH, UTILITIES, FOUNDATIONS, TOPSOILS, ETC. FROM THE CONSTRUCTION AREA. STOCKPILE ORGANIC TOPSOIL FOR LATER USE. DO NOT REMOVE TOPSOILS FROM SITE UNTIL FINAL TOPSOIL PLACEMENT IS COMPLETED UNLESS APPROVED BY ARCHITECT. EXACT DEPTHS OF STRIPPING SHALL BE DETERMINED BY THE OWNER'S SOILS ENGINEER IN THE FIELD DURING TIME OF STRIPPING. MEASURES SHOULD BE TAKEN TO ASSURE THAT PROPER BACKFILLING AND COMPACTION IS ACHIEVED TO FILL VOIDS RESULTING FROM REMOVAL OF EXISTING SITE FEATURES. HIGH PLASTICITY CLAY SOILS (USCS TYPE CH SOILS) WERE FOUND WITHIN THE BUILDING FOOTPRINT. THESE SOILS SHALL BE UNDERCUT TO A MINIMUM OF 1'-0" BELOW FOUNDATION BEARING AND BOTTOM OF SLAB ELEVATION. OWNER'S SOILS ENGINEER WILL DETERMINE EXACT DEPTHS OF UNDERCUTTING.
B. ALL FOOTINGS ARE TO BE PLACED ON FIRM VIRGIN SOILS UNLESS NOTED OTHERWISE ON DRAWINGS. MODIFY FOOTING STEPS SHOWN ON THE DRAWINGS, IF REQUIRED, TO ACHIEVE THIS CONDITION.
C. AFTER REMOVING TOPSOIL MOISTURE CONDITION & PRE-DENSIFY SUBGRADE WITH HEAVY COMPACTION EQUIPMENT. AFTER PRE-DENSIFICATION, THE BUILDING AREA PLUS TEN FEET SHALL BE PROOF ROLLED IN THE PRESENCE OF THE PROJECT GEOTECHINCAL ENGINEER. PROOF ROLLING CONSISTS OF TRAVERSING THE SITE WITH OVER LAPPING PASSES OF A LOADED TANDEM AXLE DUMP TRUCK. AREAS THAT PUMP OR RUT EXCESSIVELY SHALL BE UNDERCUT AND BACK FILLED OR RE-WORKED IN PLACE. AFTER UNDER CUTTING OPERATIONS ARE COMPLETE, THE UPPER 6 INCHES OF THE SUBGRADE SHALL BE COMPACTED TO 98 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY STANDARD PROCTOR (ASTM D698) DENSITY PRIOR TO ANY FILL PLACEMENT OR OTHER CONSTRUCTION.
D. SITE SOILS ARE SENSITIVE TO EXCESS MOISTURE. QUANTITIES OF UNDER CUTTING WILL BE GREATER IN PERIODS OF WET WEATHER, EXCESSIVE SUBGRADE EXPOSURE AND POOR CONSTRUCTION PHASE GRADING. THE CONTRACTOR SHALL INSTALL A POSITIVE DRAINAGE SYSTEM AND LIMIT EXPOSURE OF FOUNDATION EXCAVATIONS TO ONE DAY WHEN POSSIBLE AND WHEN RAIN IS FORECAST. CONCRETE SHOULD BE PLACED THE SAME DAY AS EXCAVATION OR PLACE MUDMAT.
E. STRUCTURAL FILL MATERIAL SHALL BE FREE OF ORGANICS, DELETERIOUS MATERIAL, DEBRIS AND ROCKS GREATER THAN 6 INCHES. FILL SOILS SHALL HAVE A PLASTICITY INDEX LESS THAN 20, A LIQUID LIMIT LESS THAN 45 AND A STANDARD PROCTOR (ASTM D 698) DRY DENSITY OF AT LEAST 100 PCF. FILL SHALL BE PLACED IN 6 TO 8 INCH LIFTS (LOOSE MEASURE) AND COMPACTED TO AT LEAST 98% OF STANDARD PROCTOR DRY DENSITY. THE ON-SITE SOILS, EXCEPT TOP SOILS AND THE HIGH PLASTICITY CLAYS FOUND, SHOULD GENERALLY BE SUITABLE FOR USE AS STRUCTURAL FILL; MOISTURE CONDITIONING MAY BE REQUIRED TO ACHIEVE PROPER COMPACTION.
F. DESIGN SOIL PRESSURE - 2,000 PSF.
G. ALL SLABS ON GRADE SHOULD BE SUPPORTED BY A MINIMUM OF 4 INCHES OF GRANULAR, FREE-DRAINING GRAVEL GAB OR COURSE WASHED SAND MEETING THE CRITERIA OF CONCRETE SAND (ASTM C-33).

CONCRETE NOTES

1. ALL CONCRETE WORK SHALL BE AS FOLLOWS:
   A. CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-11.
   B. CONCRETE SHALL BE AS FOLLOWS:

LOCATION	MIN. 28-DAY STRENGTH	MIN. CEMENT CONTENT	SLUMP	ENTRAIN. AIR CONTENT	MAX AGG. SIZE
FOOTINGS & FND. WALLS	3000 PSI	5.0 BAG/YD3	4" +/- 1"	4-6%	1 1/2"
SLAB ON GRADE	4000 PSI	6.0 BAG/YD3	3" +/- 1"	0-3%	3/4"
FORMED CONC.	4000 PSI	6.0 BAG/YD3	3" +/- 1"	0-3%	3/4"
TOPPING SLAB	4000 PSI	6.5 BAG/YD3	3" +/- 1"	0-3%	3/8"

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 15%.
2. CEMENT SHALL BE REPLACED BY FLY ASH AT THE RATE OF 1.25 TO 1.5 LBS OF FLY ASH TO 1.0 LBS OF CEMENT.

   C. REINFORCING SHALL CONFORM WITH ASTM A-615, GRADE 60. WELDED WIRE FABRIC (WWF) SHALL BE PER ASTM A-185. EDGE AND END LAPS OF WWF SHALL BE 8" MINIMUM.
   D. POLYPROPYLENE FIBERS SHALL BE PER ASTM C-1116.
2. SUBMITTALS
   A. CONCRETE MIX DESIGNS; SHOP DRAWINGS FOR CONCRETE REINFORCING, EMBEDDED ITEMS; ACCESSORIES; AND PRODUCT DATA, ETC. AS OUTLINED IN THE SPECIFICATIONS SHALL BE PROVIDED TO THE ARCHITECT AT LEAST 15 DAYS PRIOR TO THE START OF WORK FOR APPROVAL.
   B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".
3. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE ARCHITECT -
   A. WHEN EXCAVATION TO REQUIRED SUBGRADE ELEVATIONS HAVE BEEN REACHED.
   B. 24 HOURS PRIOR TO SCHEDULED FILL OR BACKFILL OPERATIONS.
   C. 24 HOURS PRIOR TO ANY SCHEDULED CONCRETE PLACEMENT FOR INSPECTION OF FORMWORK, REINFORCING AND EMBEDDED ITEMS.
4. REFER TO FINISH SCHEDULE ON ARCHITECT'S DRAWINGS FOR LOCATION OF RECESSED FLOORS.
5. CONTRACTOR SHALL COORDINATE DEPTH OF INTERIOR AND EXTERIOR FOOTINGS TO PERMIT ALL PLUMBING - ROOF DRAINS, SANITARY DRAINS AND PRESSURE LINES TO PASS OVER FOOTINGS. STEPPED FOOTINGS REQUIRED TO ACCOMMODATE THIS REQUIREMENT SHALL BE SHOWN ON SHOP DRAWINGS AND SUBMITTED FOR REVIEW. THE EXCEPTION TO THIS RULE SHALL BE WHEN THE INVERT OF GRAVITY FLOW PLUMBING IS GREATER THAN 1'-4" BELOW THE BOTTOM OF THE PROPOSED FOOTING. IN THIS CASE, PLUMBING MAY BE INSTALLED UNDER THE PROPOSED FOOTING, BACKFILLED AND TESTED FOR COMPACTION. IN NO CASE IS TUNNELING UNDER PREVIOUSLY CONSTRUCTED FOOTINGS TO BE PERMITTED.
6. VAPOR RETARDER BELOW ALL SLABS SHALL BE IN ACCORDANCE WITH ASTM E 1745.

SHEATHING NOTES

1. EXTERIOR WALL SHEATHING SHALL SHALL BE 1/2" THK. GYPSUM SHEATHING (SEE ARCHITECTURAL DRAWINGS) ATTACHED TO METAL STUDS PER SPECS, BUT NOT LESS THAN #12 SCREWS AT 8" O.C. EDGES & 12" O.C. INTERMEDIATE.

MASONRY WALL REINFORCING

1. GENERAL
   A. THE FOLLOWING REINFORCING IS REQUIRED FOR ALL MASONRY WALLS.
   B. PROVIDE CONTROL JOINT PER CONTRACT DOCUMENTS AT SPACAING NOT EXCEEDING 20'-0" FOR ALL CMU WALLS. COLUMN IN WALL WILL CREATE A CONTROL JOINT.
2. VERTICAL REINFORCING
   A. PROVIDE GROUT FILLED CELL WITH 1 - #4 REBAR CONTINUOUS FROM FOOTING TO BOND BEAM AT TOP OF WALL. LAP #4 BAR WITH #4 FOOTING DOWEL AND EXTEND 4" MINIMUM INTO BOND BEAM. BREAK-OUT BOTTOM OF BOND BEAM AT FILLED CELL LOCATIONS AND POUR TOP FOUR COURSES WITH BOND BEAM. PROVIDE AT THE FOLLOWING LOCATIONS:
      1. AT ALL WALL CORNERS.
      2. AT ENDS OF ALL WALLS AND EACH SIDE OF EXPANSION JOINT.
      3. AT ALL DOOR AND WINDOW JAMBS.
      4. AT 48" O.C. MAXIMUM ALONG ENTIRE LENGTH OF WALL, UNLESS DESIGN REQUIRES A LARGER BAR SIZE OR CLOSER SPACING. PLAN WILL NOTE WALLS REQUIRING BARS AND SPACINGS OTHER THAN #4'S AT 48" O.C..
   B. VERTICAL BAR SPLICES SHALL HAVE A MINIMUM LAP OF 30 BAR DIAMETERS OR 24" MIN.
   C. VERTICAL FILLED CELLS SHALL BE FILLED WITH GROUT IN 4'0" MAX. LIFTS.
3. HORIZONTAL REINFORCEMENT
   A. PROVIDE 9 GA. LADDER TYPE MASONRY REINFORCING AT 16" O.C. ALONG WALL HEIGHT, TYPICAL IN ALL WALLS.
   B. PROVIDE GROUT FILLED BOND BEAM WITH 2 - #5 REBARS CONTINUOUS WHERE WALLS ARE STRUCTURALLY CONNECTED TO ROOF AND FLOOR LEVELS AND AT THE TOPS OF ALL WALLS.
   C. PROVIDE GROUT FILLED COURSE WITH 1 - #4 REBAR AT DOOR AND WINDOW HEADS, AND AT ALL WINDOW SILLS. EXTEND 2'-0" MINIMUM BEYOND OPENING.
4. WALL BRACING
   1. ALL INTERIOR & EXTERIOR MASONRY WALLS, (FULL HEIGHT AND PARTIAL HEIGHT) SHALL BE BRACED TO THE STRUCTURAL STEEL ROOF FRAMING AT 8'-0" O.C. MAXIMUM. AN INTERSECTING PARTITION OR BEARING WALL IS CONSIDERED A BRACE POINT. AN CONTINUOUS STEEL CHANNEL INDICATED ON DOCUMENTS OR DESIGNED BY THE CONTRACTOR FOR MAXIMUM DEFLECTION OF SPAN/600 IS CONSIDERED ADEQUATE FOR BRACING.
5. CONTROL JOINTS:
   A. CONTROL JOINTS SHALL BE PROVIDED IN ALL CONCRETE MASONRY CONSTRUCTION AT LOCATIONS INDICATED ON THE ARCHITECTURAL DRAWINGS BUT AT SPACING NOT EXCEEDING 20'-0" O.C.
   B. HORIZONTAL WALL REINFORCING SHALL BE DIS-CONTINUOUS THRU CONTROL JOINT.
   C. SEE ARCHITECTURAL DRAWINGS FOR SEALANT REQUIREMENTS AT CONTROL JOINTS.

STRUCTURAL STEEL NOTES

1. INSTALLATION OF STRUCTURAL STEEL, OPEN WEB STEEL JOISTS AND METAL DECK SHALL BE IN ACCORDANCE WITH DIVISION 5 OF THE SPECIFICATIONS.
2. STRUCTURAL AND MISCELLANEOUS STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, "SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS", STEEL CONSTRUCTION MANUAL, 14TH EDITION, AISC 360-10
3. STRUCTURAL AND MISCELLANEOUS STEEL BEAMS SHALL CONFORM TO ASTM A992 WITH FY=50 KSI. ANGLES AND PLATES SHALL CONFORM TO ASTM A-36. PIPE SHALL CONFORM TO ASTM A-501 WITH FY=36 KSI OR ASTM A-53, TYPES E OR S WITH FY=35 KSI. TUBE STEEL SHALL CONFORM TO ASTM A500 GRADE B WITH FY=46 KSI. BOLTED CONNECTIONS SHALL CONFORM TO ASTM A-325-N, UNLESS OTHERWISE NOTED ON THE PLANS. ANCHOR BOLTS SHALL CONFORM TO ASTM F 1554 36 KSI
4. MINIMUM SIZE WELD SHALL BE 3/16" FILLET WITH E70 ELECTRODES.
5. MINIMUM MATERIAL THICKNESS SHALL NOT BE LESS THAN 3/8" FOR MISCELLANEOUS PLATES.
6. 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.
7. STEEL DECK SHALL BE MANUFACTURED AND ERECTED IN ACCORDANCE WITH THE STEEL DECK INSTITUTE. ALL DECKING SHALL BE GALVANIZED, UNLESS NOTED OTHERWISE ON THE PLANS.
8. EXACT LOCATION AND SIZES OF PENETRATIONS THROUGH ROOF SHALL BE COORDINATED WITH MECHANICAL DRAWINGS. FRAMING FOR MECHANICAL EQUIPMENT SHALL BE AS DETAILED ON THE DRAWINGS AND SHALL BE SUBMITTED FOR REVIEW. ALL OPENINGS GREATER THAN 12" IN DIAMETER OR 12" SQUARE SHALL BE REINFORCED BY ANGLE FRAMING.
9. ALL HVAC EQUIPMENT (FANS, ETC.) SHALL BE SUPPORTED BY THE STRUCTURAL STEEL FRAMING AND/OR ANGLE FRAMING. NO EQUIPMENT SHALL BE SUPPORTED DIRECTLY BY DECKING.
10. SUBMITTALS
   A. SHOP DRAWINGS AND MATERIALS SUBMITTED SHALL BE REQUIRED FOR STRUCTURAL AND MISCELLANEOUS STEEL, OPEN WEB JOISTS AND STEEL ROOF DECK; ACCESSORIES; AND PRODUCT DATA, ETC., AS OUTLINED IN THE SPECIFICATIONS.
   B. ALL DATA SHALL BE SUBMITTED "CONTRACTOR APPROVED".
11. NOTIFICATIONS: THE CONTRACTOR SHALL NOTIFY THE ARCHITECT 24 HOURS PRIOR TO SCHEDULED STEEL AND ROOF DECK ERECTION.
12. INSTALL LOAD INDICATOR WASHERS OR OTHER TENSION CONTROL BOLTING METHODS AT BOLTED FLANGE PLATE MOMENT CONNECTIONS FOR VISUAL VERIFICATION OF SLIP CRITICAL (SC) BOLT INSTALLATION. CONTACT SURFACES SHALL BE PROTECTED FROM PAINT OR PRIMER. INSTALLATION SHALL BE IN ACCORDANCE WITH AISC SPECIFICATIONS.
13. ALL STEEL THAT IS PERMANENTLY EXPOSED TO VIEW UPON COMPLETION OF CONSTRUCTION SHALL BE TREATED AS ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) IN ACCORDANCE W/ AISC DEFINITIONS. ALL BLEMISHES/ DEFECTS SHALL BE GROUND SMOOTH FOR A UNIFORM/ CLEAN PAINTED FINISH.

LIGHT GAGE STEEL

1. FURNISH AND INSTALL ALL LIGHT GAGE FRAMING AS SHOWN ON THE DRAWINGS AND SPECIFIED HEREIN, INCLUDING HEADERS, OUTRIGGERS, SUPPLEMENTAL RAFTERS STUDS AND INCIDENTAL FRAMING FOR A COMPLETE ASSEMBLY.
2. THE FOLLOWING DOCUMENTS OF THE ISSUE IN EFFECT ON DATE OF MATERIAL PROCUREMENT, REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED BY REFERENCE THERETO.

MEMBERS OF A MATERIAL 16 GAGE AND THINNER:

   A. AMERICAN IRON AND STEEL INDUSTRIES:
   SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
   B. AMERICAN SOCIETY OF TESTING MATERIALS:
   ASTM A446: "SPECIFICATION FOR STEEL SHEET, ZINC COATED (GALVANIZED BY THE HOT-DIP PROCESS, PHYSICAL (STRUCTURAL) QUALITY."
   GRADE A, FY = 33 KSI: 18 GAUGE AND LIGHTER
   GALVANIZING: C60 COATING CLASS
   C. AMERICAN WELDING SOCIETY:
   AWS D1.0 "CODE FOR WELDING IN BUILDING CONSTRUCTION"
   ANSI Z49.1 "SAFETY IN WELDING AND CUTTING"
3. SUBMIT FABRICATOR'S TECHNICAL DATA COVERING MATERIALS, SHAPES, HARDWARE, FABRICATION PROCESS, HANDLING AND ERECTION.
   A. SUBMIT CERTIFICATE, SIGNED BY AN OFFICER OF SUBCONTRACTOR OR FABRICATING FIRM, INDICATING THAT MATERIAL TO BE SUPPLIED FOR PROJECT WILL COMPLY WITH INDICATED REQUIREMENTS.
4. SUBMIT SHOP DRAWINGS SHOWING SHAPES AND DIMENSIONS OF MEMBERS TO BE USED INCLUDING PITCH, SPAN, CAMBER CONFIGURATION AND SPACING FOR EACH TYPE OF CONFIGURATION OF LIGHT GAGE FRAMING REQUIRED. SHOW ALL BEARING AND ANCHORAGE DETAILS. SPECIFY AND DETAIL ALL SUPPLEMENTAL STRAPPING, BRACING CLIPS AND OTHER ACCESSORIES REQUIRED FOR PROPER INSTALLATION. SHOP DRAWINGS SHALL INCLUDE ALL PLACEMENT SEQUENCES AND INSTRUCTIONS.
5. HANDLE AND STORE MATERIALS AND ACCESSORIES, AND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS TO AVOID DAMAGE FROM BENDING, OVERTURNING OR OTHER CAUSE FOR WHICH MATERIAL IS NOT DESIGNED TO RESIST OR ENDURE. STORAGE SHALL BE OFF-GROUND IN A DRY VENTILATED SPACE OR PROTECT WITH WATERPROOF COVERINGS.
6. FRAMING COMPONENTS SHALL BE FASTENED TO EACH OTHER BY WELDING, BOLTING, OR SCREWING. ALL SHARP EDGES SHALL BE GROUND SMOOTH.
7. ALL LIGHT GAGE STEEL FRAMING SHALL BE ERECTED BY APPROVED METHODS USING EQUIPMENT OF ADEQUATE CAPACITY TO SAFELY PERFORM THE WORK.
8. ALL WORK SHALL BE ERECTED PLUMB AND LEVEL AND TO DIMENSIONS, SPACINGS AND ELEVATIONS INDICATED ON DRAWINGS.
9. MEMBERS SHALL BE OF SIZE AND SPACING SHOWN ON THE CONTRACTOR's SUPPLIER/ MANUFACTURER SHOP DRAWINGS. FINAL LIGHT GAGE DESIGN AND SHOP DRAWING PREPARATION SHALL BE PERFORMED UNDER THE SUPERVISION OF A QUALIFIED REGISTERED PROFESSIONAL ENGINEER LICENSED IN THE STATE OF GEORGIA.
   A. EXTERIOR WALLS SHALL BE DESIGNED TO RESIST COMPONENT & CLADDING LOADING INDICATED IN CODE/ LOADING NOTES ON THIS DRAWING. WALL STUD SPACING SHALL NOT EXCEED 1'-4" O.C., MAX. MINIMUM STUD SIZE SHALL BE:

MATERIAL SIZE	UN-BRACED STUD HEIGHT INT. ZONE	UN-BRACED STUD HEIGHT END ZONE
400 S162-43 @ 16" O.C. (4"x1 5/8"x18 GA C-STUD)	$\leq$ 12'-0"	$\leq$ 10'-0"

DOUBLE STUDS AND/ OR CLOSER SPACING MAY BE USED IN LIEU OF HEAVIER STUD SIZE AT TALLER WALLS AS INDICATED ON FINAL MANUFACTURER/ SUPPLIER DESIGN. STUDS FRAMING PARAPET OVER 4'-0" ABOVE ROOF SHALL BE 16 GAGE MIN.

PRE-FABRICATED TRUSS NOTES

1. TRUSSES TO BE SPACED AT 4'-0" O.C., MAX. TYPICAL UNLESS SHOWN OTHERWISE. SMALLER SPACINGS MAY BE USED IF REQUIRED BY TRUSS DESIGNER. SEE PLANS FOR TRUSS LOCATIONS AND SPANS.
2. TRUSS DESIGN LOADS TO BE AS FOLLOWS:

	ROOF TRUSSES
TOP CHORD LIVE LOAD	20 PSF
TOP CHORD DEAD LOAD	7 PSF
BOTTOM CHORD DEAD LOAD	5 PSF
COLLATERAL LOAD	5 PSF
TOTAL LOAD	37 PSF

NET WIND UPLIFT (SEE CODE/ LOADING NOTES)

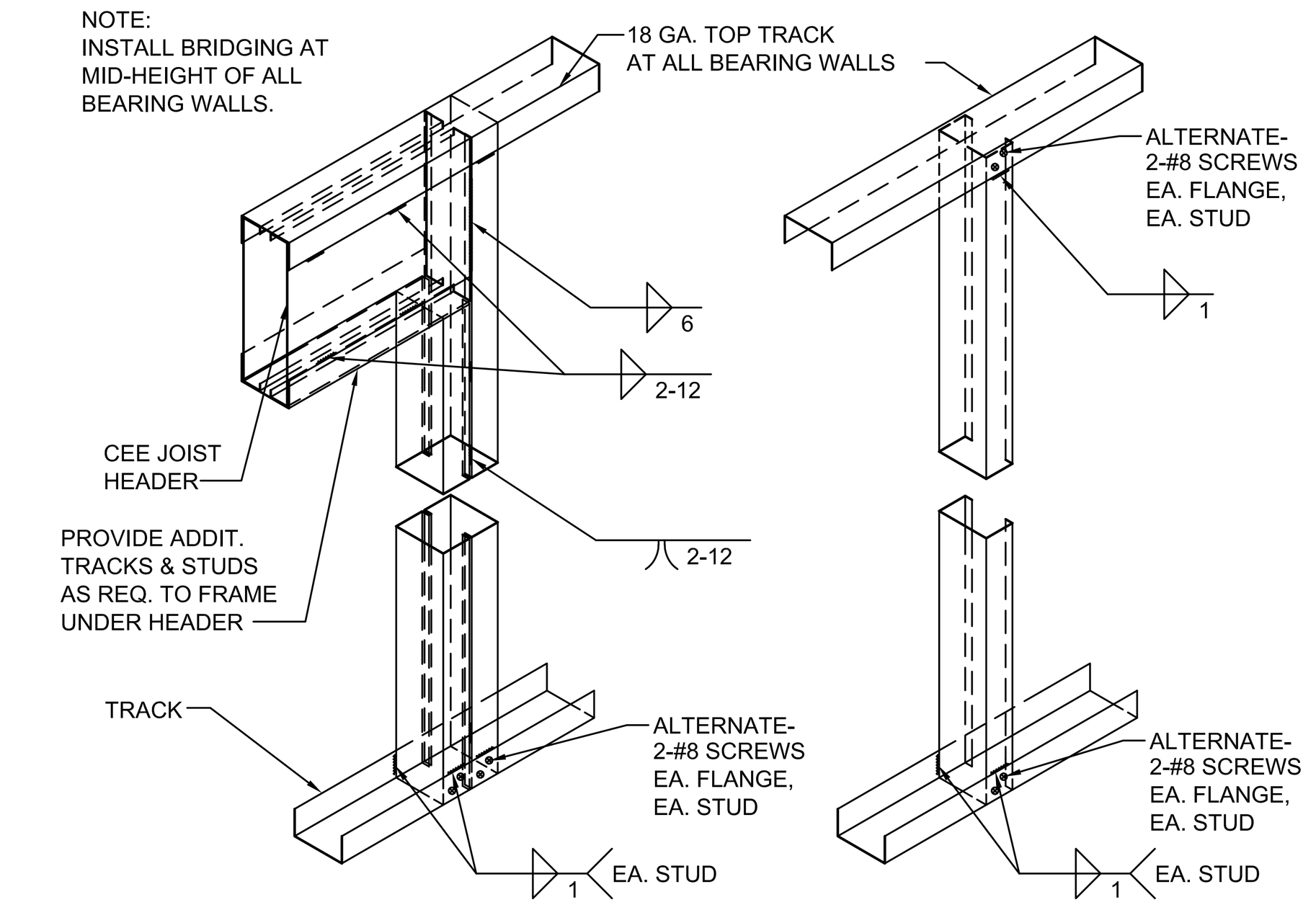
3. TRUSSES TO BE DESIGNED AND FABRICATED BY TRUSS MANUFACTURER. DESIGN TO CARRY SEAL OF ENGINEER REGISTERED IN GEORGIA.
4. CONFIGURATION AND SIZE OF WEB MEMBERS TO BE DETERMINED BY TRUSS MANUFACTURER.
5. SHOP DRAWINGS OF TRUSSES TO BE SUBMITTED FOR APPROVAL PRIOR TO FABRICATION.
6. TOP CHORD DEAD LOAD SHOWN INCLUDES 3 PSF (6 PLF) FOR TRUSS SELF WEIGHT.
7. UNIFORM LOADS INDICATED ABOVE TO BE USED FOR DESIGN OF HIP AND/OR GIRDER TRUSSES AS REQUIRED.
8. MAXIMUM LIVE LOAD DEFLECTION SHALL BE SPAN/360 FOR ROOF TRUSSES AND SPAN/360 FOR FLOOR TRUSSES.
9. PERMANENT TRUSS BRIDGING AND TEMPORARY TRUSS BRACING SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
10. ROOF TRUSSES SHALL BE DESIGNED FOR APPLICABLE WIND LOADS AT PROJECT SITE IN COMBINATION WITH DEAD LOADS SHOWN ABOVE. APPLICABLE CODE PRESSURE AND SUCTION FACTORS SHALL BE USED IN ARRIVING AT LOADS FOR THIS LOAD CASE.
11. TRUSS TO TRUSS CONNECTIONS SHALL BE DESIGNED BY TRUSS MFGR.
12. TRUSS LAYOUT SHALL BE COORDINATED WITH WALL FRAMING. STUD SHALL BE PROVIDED WHERE TRUSSES BEAR ONTO STUD WALLS UNLESS A STRUCTURAL TRACK IS PROVIDED AND INDICATED ON APPROVED COLD FORM FRAMING SUBMITTALS.
13. MISCELLANEOUS LIGHT GAGE FRAMING CONSISTING OF 4"x18 GAGE METAL STUD PIECES(MIN.) SHALL BE PROVIDED FOR SMALL EQUIP. SUPPORT AND AT OPENINGS THRU ROOF DECK. MISC. FRAMING SHALL BE ATTACHED TO ROOF TRUSSES WITH CLIP ANGLES AND SCREWED OR WELDED CONNECTIONS
14. TRUSS GIRDER (JOIST GIRDER) SHALL BE AS DETAILED ON THESE DRAWINGS WITH FINAL DESIGN SUBMITTED WITH ROOF TRUSS SUBMITTALS SEALED AND SIGNED BY A QUALIFIED GEORGIA PROFESSIONAL ENGINEER. SUBMITTAL SHALL INCLUDE ASSOCIATED SUPPORT INFORMATION AND DETAILS FOR THE TRUSS GIRDER AND THE CONNECTION OF ROOF TRUSSES TO THE TRUSS GIRDER.

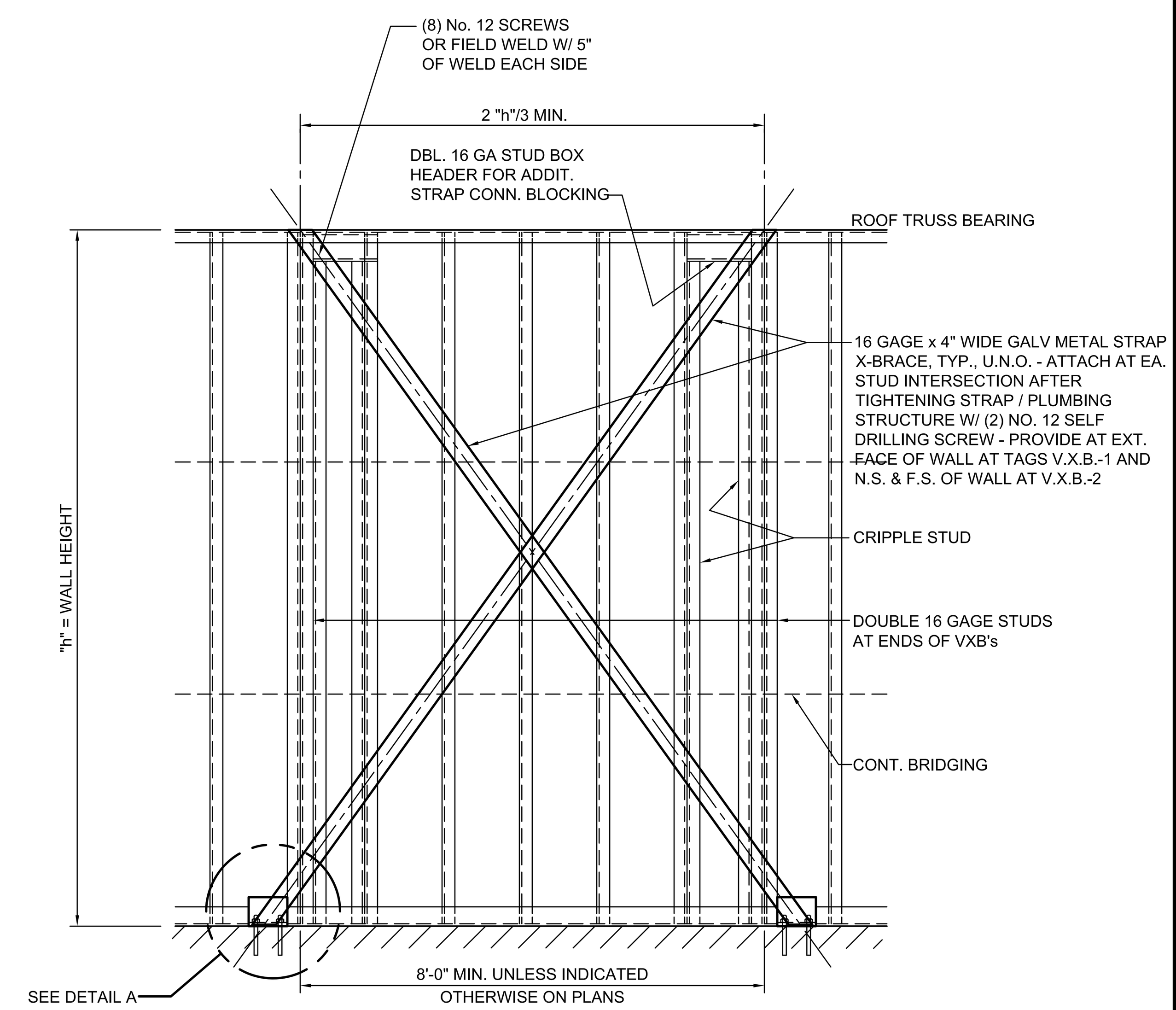
4" / 6" SILL TRACK TO CONCRETE ATTACHMENT SCHEDULE

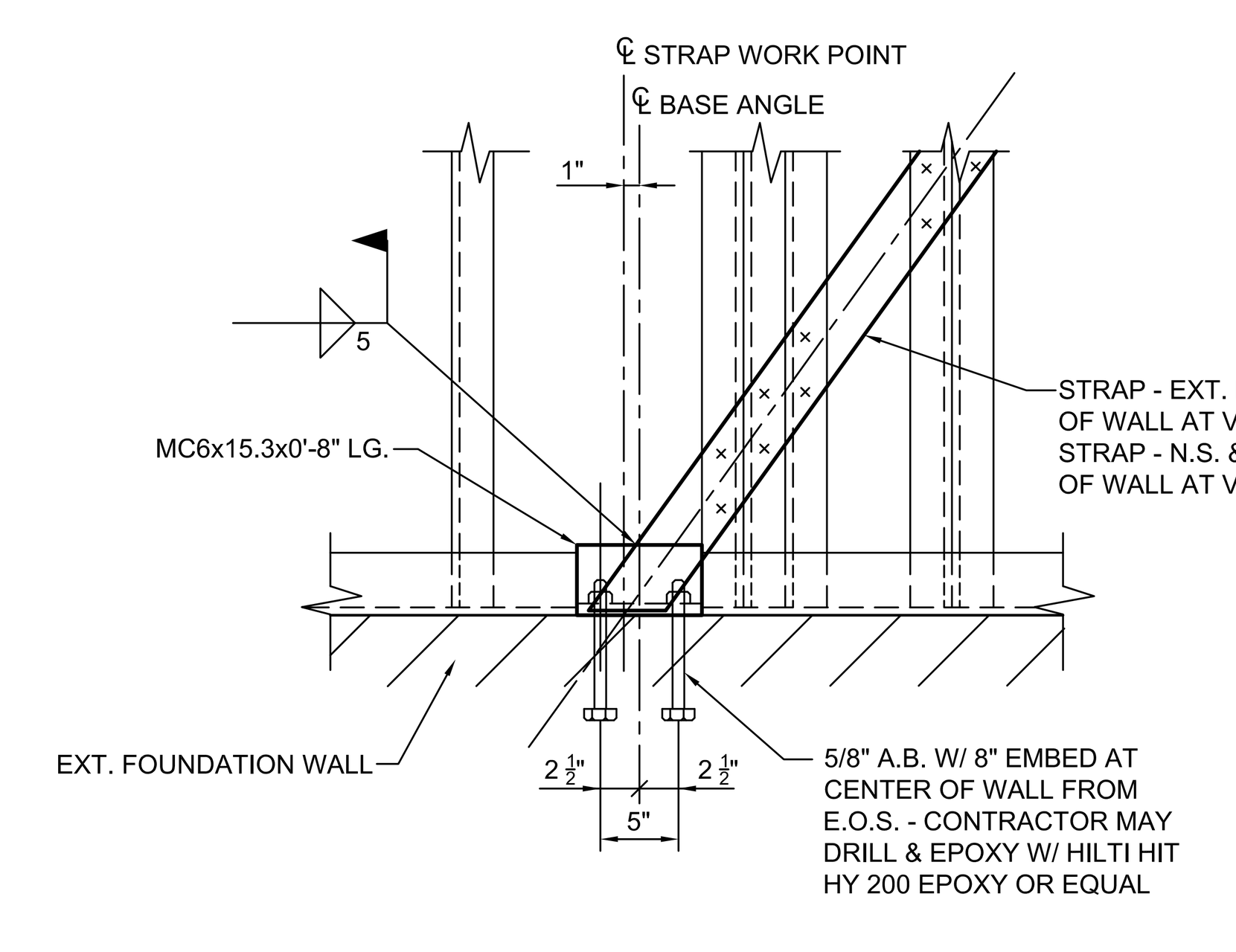
ATTACHMENT METHOD	LOCATION: AT X-BRACE LOCATIONS	LOCATION: AT ALL OTHER LOAD BEARING WALLS	LOCATION: AT ALL OTHER NON-LOAD BEARING WALLS
1/2" DIA. ANCHOR BOLTS (8" MIN. EMBED.)	1'-4" O.C.	4'-0" O.C.	4'-0" O.C.
* POWDER ACTUATED FASTENERS (0.145" DIA. x 1 1/8" MIN. PENETRATION INTO CONCRETE)	8" O.C.	1'-0" O.C.	2'-0" O.C.
* POWDER ACTUATED FASTENERS (0.177" DIA. x 1 1/2" MIN. PENETRATION INTO CONCRETE)	10" O.C.	1'-4" O.C.	2'-0" O.C.

1. * : THESE FASTENERS SHALL HAVE MINIMUM 23 MM DIAMETER WASHERS.

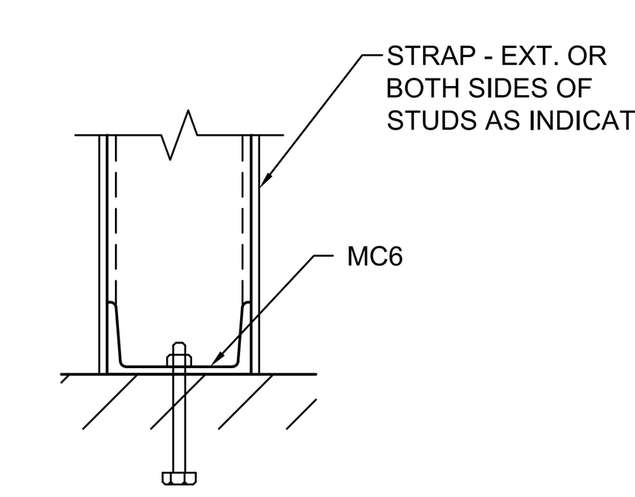
METAL STUD LOAD BEARING WALL CONSTRUCTION DETAILS







DETAIL A



SECTION

NOTES:
1. INITIAL INSTALL SHALL LEAVE HAVE STRAP TIGHT WITH APPROX. 1/4" GAP BTW. BASE CHANNEL AND T/CONC. FOR FINAL ADJUSTMENT, PLUMBING BLDG. AND STRAP TIGHTENING. AFTER FINAL TIGHTENING, FILL GAP SOLID W/ NON-SHRINK, NON-METALLIC FLOWABLE HIGH STRENGTH GROUT.
2. CONTRACTOR SHALL SUBMIT FINAL STUD MFGR. STANDARDS AND DETAILS WITH IN ACCORDANCE WITH COLD FORM METAL FRAMING SPECIFICATIONS. FINAL ASSEMBLY DESIGN SHALL MEET THE REQUIREMENTS OF THESE DRAWINGS AND PER ASSEMBLY MANUFACTURER'S ENGINEERED SUBMITTALS.

METAL STRAP V.X.B. DETAIL
NO SCALE

CREWS Engineering
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CE JOB: 05.1802

Ellis, Ricket & Associates
Architects & Planners
SOUTHERN GEORGIA REGIONAL COMMISSION

REV:	DATE:	
	10-31-18	DD REVIEW SET
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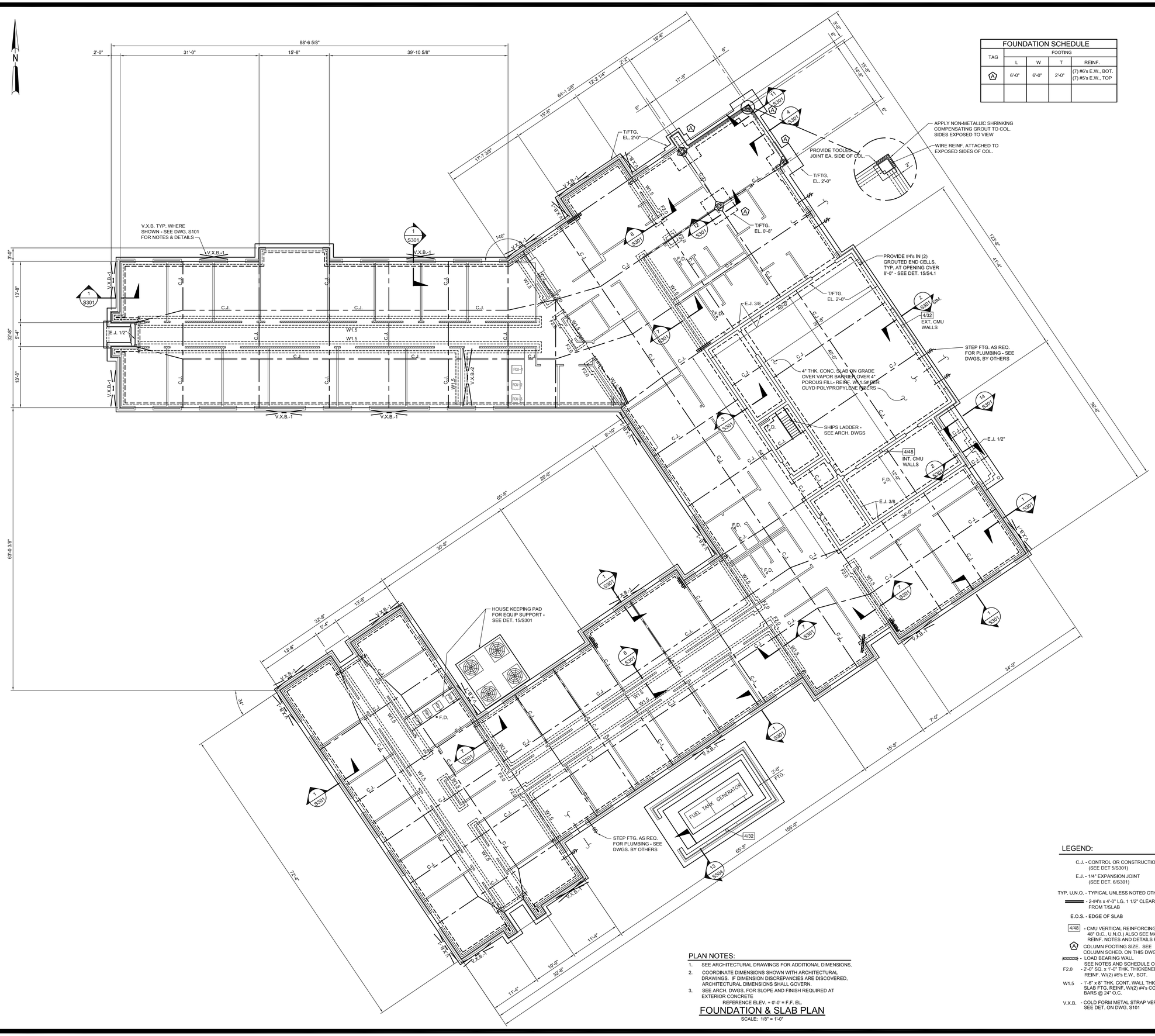
CHECKED RSC
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:
SOUTHERN GEORGIA REGIONAL COMMISSION
VALDOSTA, GA

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

S101



FOUNDATION SCHEDULE					
TAG	FOOTING				
	L	W	T	REINF.
A	6'-0"	6'-0"	2'-0"	(7) #6's E.W., BOT. (7) #5's E.W., TOP

PLAN NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL DIMENSIONS.
2. COORDINATE DIMENSIONS SHOWN WITH ARCHITECTURAL DRAWINGS. IF DIMENSION DISCREPANCIES ARE DISCOVERED, ARCHITECTURAL DIMENSIONS SHALL GOVERN.
3. SEE ARCH. DWGS. FOR SLOPE AND FINISH REQUIRED AT EXTERIOR CONCRETE

REFERENCE ELEV. + 0'-0" = F.F. EL.

FOUNDATION & SLAB PLAN

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

LEGEND:

C.J. - CONTROL OR CONSTRUCTION JOINT (SEE DET 5/S301)

E.J. - 1/4" EXPANSION JOINT (SEE DET. 6/S301)

TYP, U.N.O. - TYPICAL UNLESS NOTED OTHERWISE

- 2-#4's x 4'-0" LG, 1 1/2" CLEAR FROM T/SLAB

E.O.S. - EDGE OF SLAB

4/48 - CMU VERTICAL REINFORCING (#4's AT 48" O.C., U.N.O.) ALSO SEE MASONRY REINF. NOTES AND DETAILS FOR INFO.

A - COLUMN FOOTING SIZE. SEE COLUMN SCHED. ON THIS DWG.

- LOAD BEARING WALL SEE NOTES AND SCHEDULE ON DWG. S1.0

F2.0 - 2'-0" SQ. x 1'-0" THK. THICKENED SLAB FTG. REINF. W/(2) #5's E.W., BOT.

W1.5 - 1'-6" x 8" THK. CONT. WALL THICKENED SLAB FTG. REINF. W/(2) #4's CONT. & #4 CROSS BARS @ 24" O.C.

V,X,B. - COLD FORM METAL STRAP VERTICAL X-BRACE SEE DET. ON DWG. S101

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GEORGIA No. 25000 PROFESSIONAL 1-31-19 REGISTERED RANDALL SHANE CREWS

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DATE 10-02-18

A NEW OFFICE BUILDING FOR:

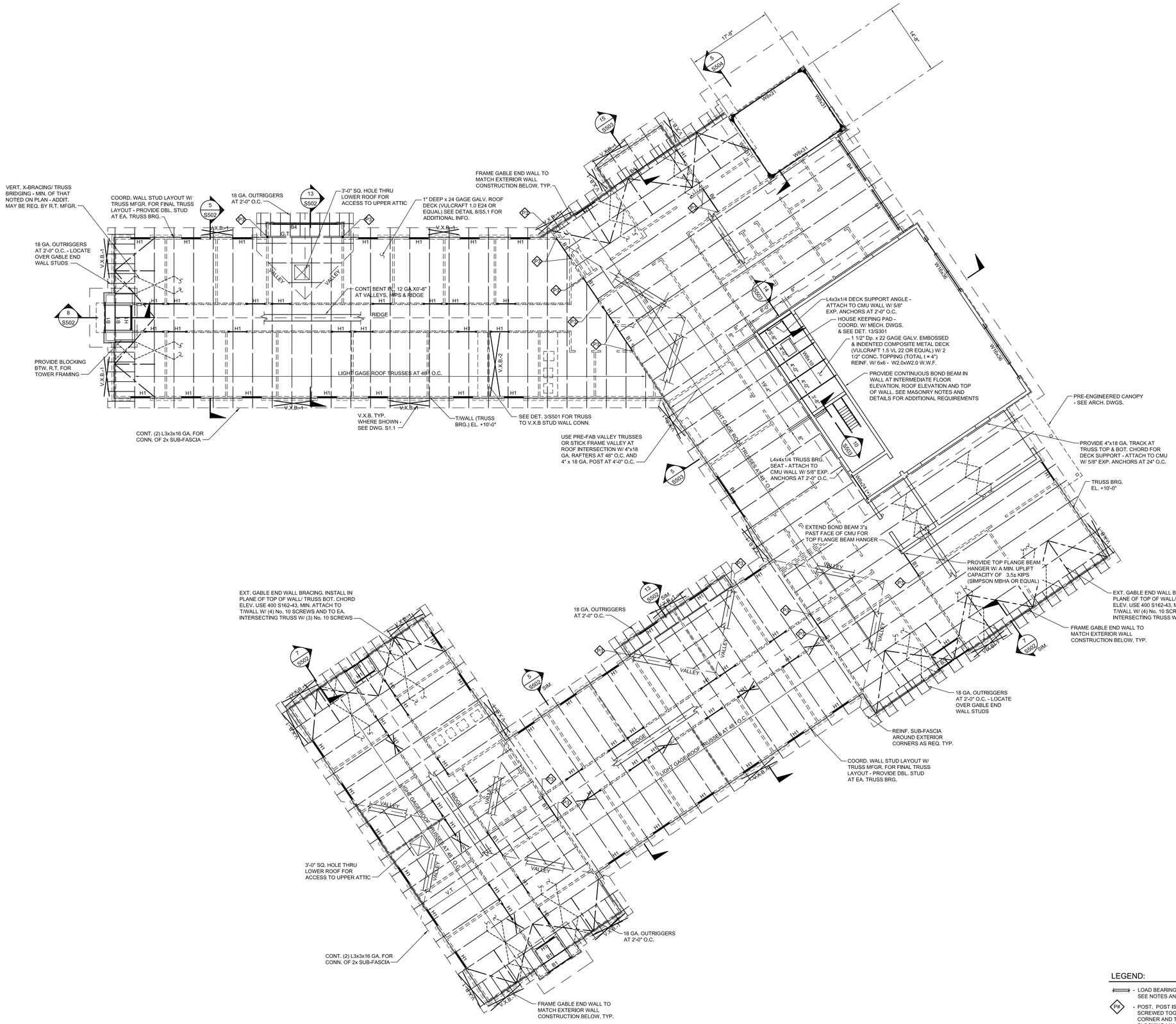
SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 5' 10' 15' 20'

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

S201



ROOF FRAMING PLAN

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

FRAMING LEGEND		
MARK	BEAM SIZE	JAMB POST REQUIREMENTS
H1	(2) 600 S162-43 BOX HEADER	1 JACK STUD, 1 COMMON STUD
H2	(2) 800 S162-54 BOX HEADER	1 JACK STUD, 1 COMMON STUD
H3	-	
H4	(2) 1000 S162-68 BOX HEADER	2 JACK STUD, 2 COMMON STUD
H5	-	
H6	(2) 1000 S162-54 BOX HEADER	2 JACK STUD, 2 COMMON STUD
H7	(2) 100 S200-97 BOX HEADER	2 JACK STUD, 2 COMMON STUD
B1	(2) 800 S162-54 BOX BEAM	P3
B2	-	
B3	(2) 1000 S162-54 BOX BEAM	P3
B4	(3) 1200 S200-54 BOX BEAM	P3
B5	(2) 1200 S162-68 BOX BEAM	P3
B6	(2) 1000 S200-97 BOX BEAM	P4

LEGEND:

- LOAD BEARING WALL SEE NOTES AND SCHEDULE ON DWG. S1.0
- P## - POST. POST IS MADE FROM MULTIPLE STUDS SCREWED TOGETHER TO FORM SINGLE POST MEMBER. CORNER AND TEE WALL MEMBERS WITH FULL HT. BLOCKING MAY BE USED FOR POST AT WALL CORNER AND TEE INTERSECTIONS.
- B# - BEAM SEE FRAMING LEGEND ON THIS DWG.
- H# - HEADER SEE FRAMING LEGEND ON THIS DWG
- MOMENT FRAME - SEE DET. 3/S504

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SGRC SOUTHERN GEORGIA REGIONAL COMMISSION

GEORGIA No. 22240 PROFESSIONAL RANDALL SHANE CREWS 1-31-19

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DATE 10-02-18

A NEW OFFICE BUILDING FOR:

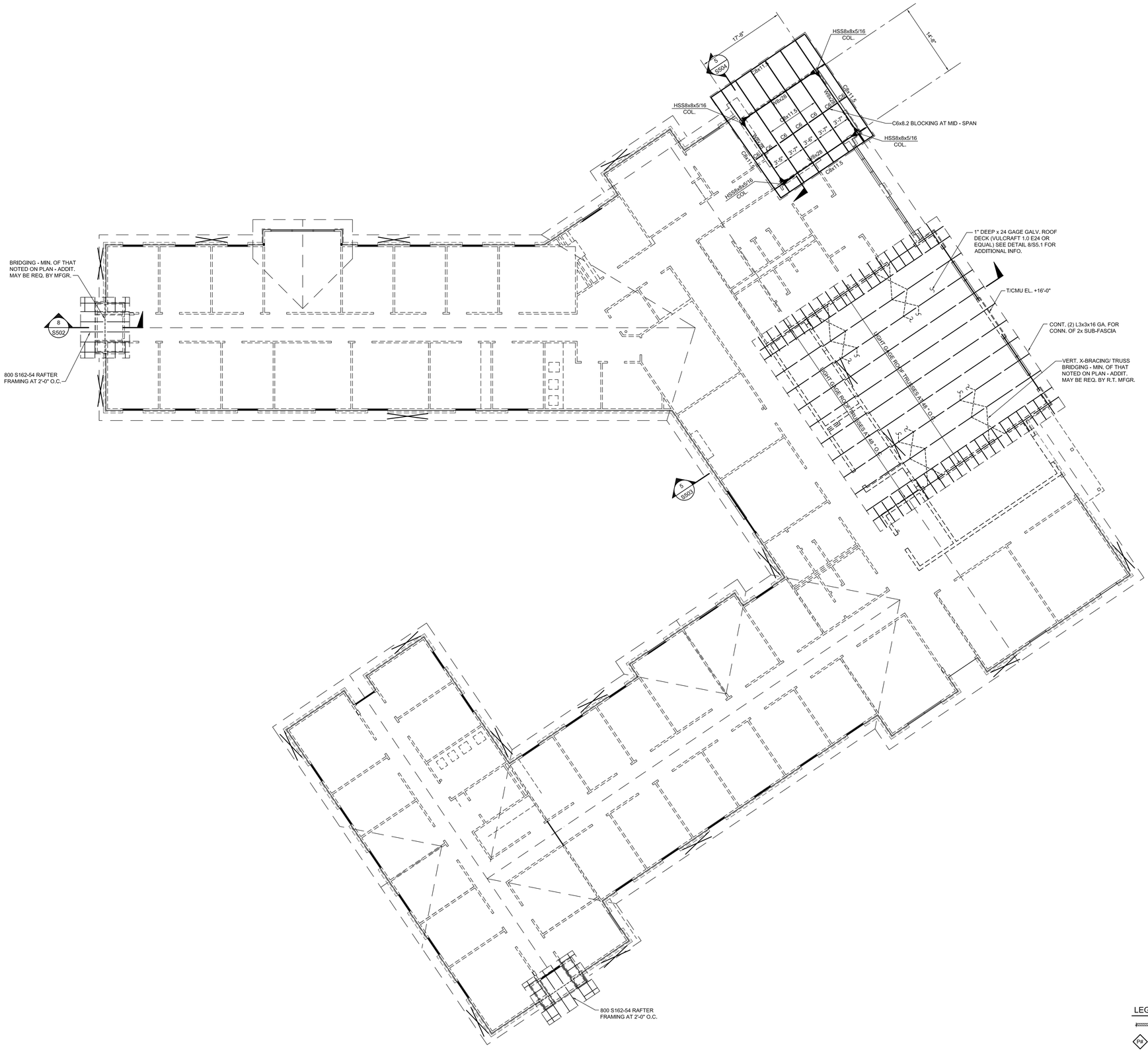
SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0' 5' 10' 15' 20'

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

S202



ROOF FRAMING PLAN

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

FRAMING LEGEND		
MARK	BEAM SIZE	JAMB POST REQUIREMENTS
H1	(2) 600 S162-43 BOX HEADER	1 JACK STUD, 1 COMMON STUD
H2	(2) 800 S162-54 BOX HEADER	1 JACK STUD, 1 COMMON STUD
H4	(2) 1000 S162-68 BOX HEADER	2 JACK STUD, 2 COMMON STUD
H6	(2) 1000 S162-54 BOX HEADER	2 JACK STUD, 2 COMMON STUD
H7	(2) 100 S200-97 BOX HEADER	2 JACK STUD, 2 COMMON STUD
B1	(2) 800 S162-54 BOX BEAM	
B2	-	
B3	(2) 1000 S162-54 BOX BEAM	P3
B4	(3) 1200 S200-54 BOX BEAM	P3
B5	(2) 1200 S162-68 BOX BEAM	P3
B6	(2) 1000 S200-97 BOX BEAM	P4

LEGEND:

- LOAD BEARING WALL SEE NOTES AND SCHEDULE ON DWG. S1.0
- P# - POST. POST IS MADE FROM MULTIPLE STUDS SCREWED TOGETHER TO FORM SINGLE POST MEMBER. CORNER AND TEE WALL MEMBERS WITH FULL HT. BLOCKING MAY BE USED FOR POST AT WALL CORNER AND TEE INTERSECTIONS.
- B# - BEAM SEE FRAMING LEGEND ON THIS DWG.
- H# - HEADER SEE FRAMING LEGEND ON THIS DWG
- MOMENT FRAME - SEE DET. 3/S504

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GEORGIA No. 25090 PROFESSIONAL ENGINEER RANDALL SHANE CREWS

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JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

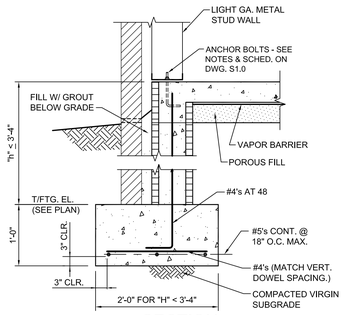
SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 5' 10' 15' 20'

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

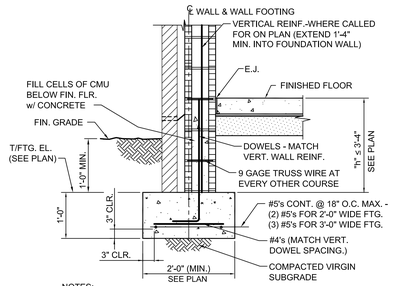
S203



1 / S301

SECTION

NO SCALE

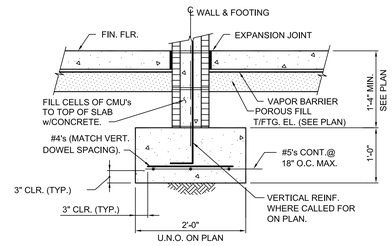


NOTES:
1. DEPTH TO TOP OF FOOTING SHALL BE COORDINATED TO PERMIT PLUMBING TO PASS OVER FOOTING.

2 / S301

SECTION

NO SCALE



NOTE: DEPTH TO TOP OF FOOTING SHALL BE COORDINATED TO PERMIT PLUMBING TO PASS OVER FOOTING.

3 / S301

SECTION

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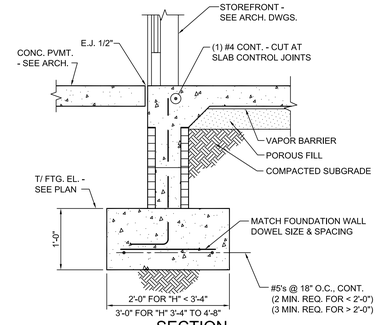

4 / S301

SECTION

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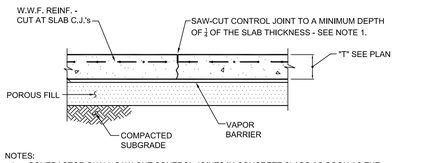


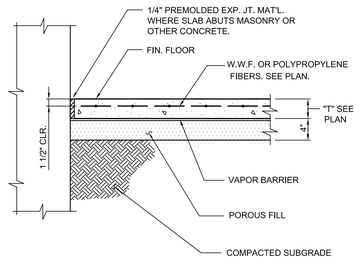
NOTES:
1. CONTRACTOR SHALL SAW-CUT CONTROL JOINTS IN CONCRETE SLABS AS SOON AS THE CONCRETE REACHES STRENGTH ADEQUATE TO PERFORM CUTS WITHOUT DAMAGING CONCRETE SURFACE.
2. A CONSTRUCTION JOINT RESULTS WHEN CONCRETE IS PLACED ON ONLY ONE SIDE OF THE DESIGNATED CONTROL JOINT TO END A DAY'S "PLACEMENT" OR TO ACCOMMODATE A DELAY IN PLACING SEQUENCE. AT CONSTRUCTION JOINTS, CONTRACTOR SHALL USE A CONTINUOUS 24 GAUGE GALVANIZED STEEL TONGUE AND GROOVE JOINT FORM. THE CONCRETE SHALL BE FINISHED TO THE TOP OF THE FORM. DO NOT EDGE/ TOOL AGAINST THE FORM. THE KEYWAY SHALL BE SUPPORTED BY 1 ½" X ½" THICK RIBBED STEEL STAKES AT 2'-0" O.C. WITH ADDITIONAL BRACING AS REQUIRED TO HOLD THE JOINT STRAIGHT AND LEVEL. THE KEYWAY SHALL BE REMOVED AND THE PENETRATIONS THRU THE VAPOR BARRIER SHALL BE PATCHED WITH VAPOR BARRIER MANUFACTURER APPROVED TAPE/ SEALANT PRIOR TO PROCEEDING WITH THE SUBSEQUENT ADJACENT SLAB CONCRETE PLACEMENT.

5 / S301

SLABS LESS THAN 6" THICK

CONTROL JOINT "C.J." DETAIL

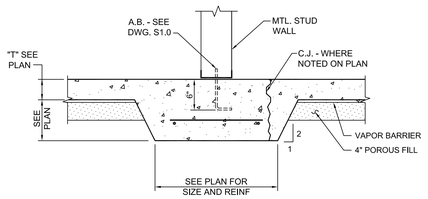
NO SCALE



6 / S301

EXPANSION JOINT "E.J." DETAIL

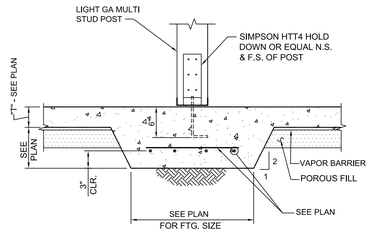
NO SCALE



7 / S301

DETAIL

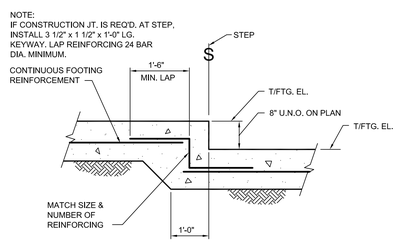
NO SCALE



8 / S301

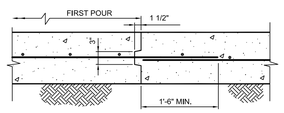
DETAIL

NO SCALE

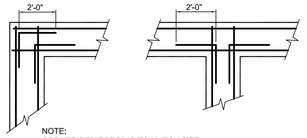


NOTE: SEE PLAN FOR T/FTG. EL.

FOOTING STEP DETAIL



FOOTING C.J. DETAIL



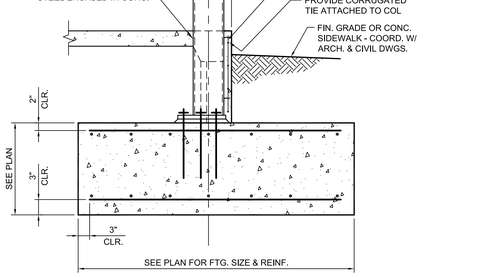
NOTE:
CORNER REINFORCING TO MATCH SIZE AND SPACING OF FOOTING REINFORCING.

FOOTING REINF. DETAIL

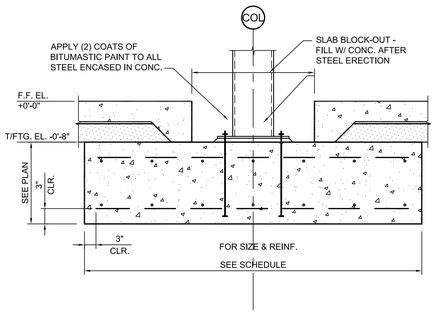
9 / S301

CONTINUOUS FOOTING DETAILS

NO SCALE



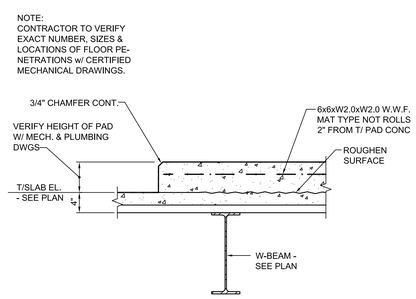
11 / S301



12 / S301

SECTION

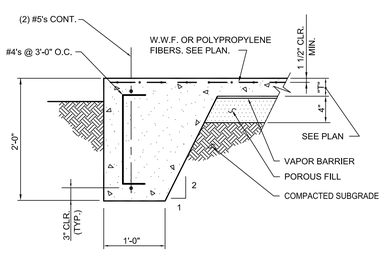
NO SCALE



13 / S301

DETAIL

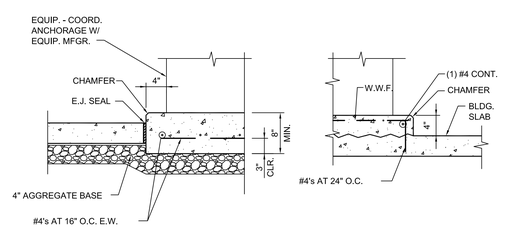
NO SCALE



14 / S301

SECTION

NO SCALE



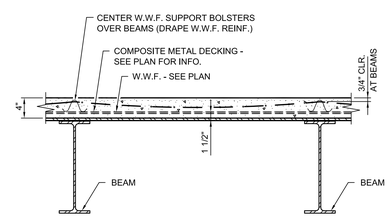
IN YARD ON BLDG. SLAB

PAD WEIGHTS SHALL COMPLY w/MFGR. RECOMMENDATIONS, BUT SHALL NOT BE LESS THAN:
RECIPROCATING EQUIP. - 4 TIMES WEIGHT OF EQUIP.
CENTRIFUGAL EQUIP. - 3 TIMES WEIGHT OF EQUIP.
VERIFY w/MECHANICAL CONTRACTOR.

15 / S301

DETAIL

NO SCALE



16 / S301

SECTION

NO SCALE

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101-B South Patterson Street
Valdosta, Georgia 31601
Tel: 229.244.3100 Fax: 229.244.4210
CE JOB: 05.1802

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sgrc SOUTHERN GEORGIA REGIONAL COMMISSION

GEORGIA No. 25030 PROFESSIONAL ENGINEER RANDALL SHANE CREWS

REV:	DATE:	
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% BID SET

DRAWN JMS
CHECKED RSC
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

GENERAL NOTES

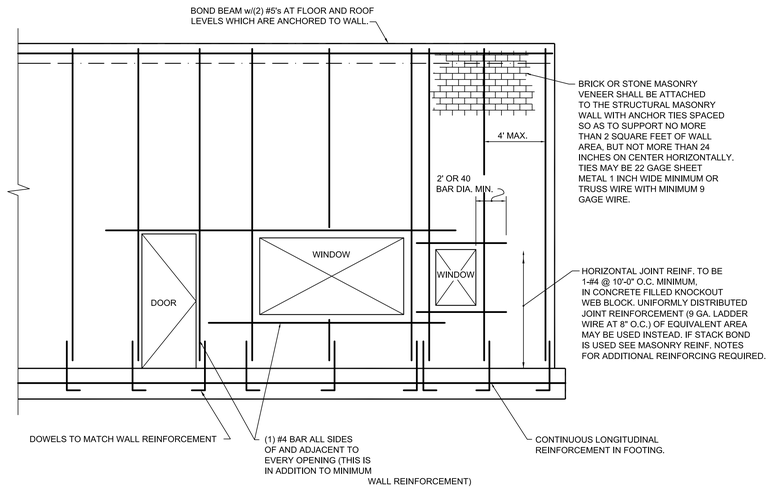
SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 5' 10' 15' 20'

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

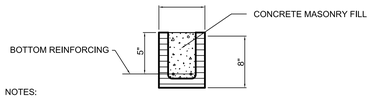
S301



NOTE:
SEE MASONRY REINFORCING NOTES FOR ADDIT. INFO.

5 S401

MASONRY WALL DETAIL
NO SCALE

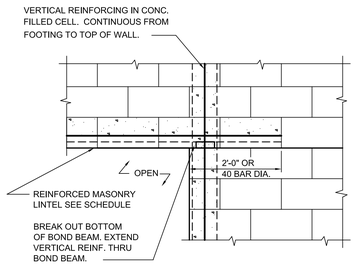


NOTES:
1. BEARING LENGTH AND DISTANCE FROM CLEAR OPENING TO JOINT AT EACH END OF LINTEL SHALL NOT BE LESS THAN 8 ".
2. FOR DOOR AND WINDOW OPENING SIZES AND SPANS REFER TO ARCHITECTUAL DRAWINGS. FOR LOUVER OPENINGS AND DUCTS THROUGH WALLS REFER TO MECHANICAL DRAWINGS.
3. LINTELS ARE FOR WALL LOADS ONLY AND SHALL NOT BE USED WHERE POINT LOADS TO WALL ARE LOCATED WITHIN CLEAR SPAN/2 OF TOP OF LINTEL.

MASONRY LINTEL SCHEDULE		
CLEAR SPAN	BOTTOM REINFORCING	
	W = 8"	W = 12"
UP TO 6'-0"	2 - #4's	3 - #4's
6'-0" - 8'-0"	2 - #5's	3 - #5's

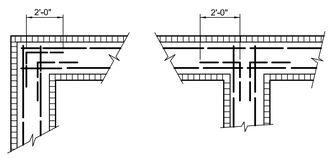
3 S401

SECTION
NO SCALE



4 S401

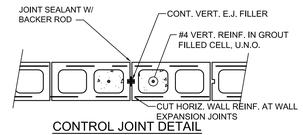
DETAIL
NO SCALE



NOTE: CORNER REINFORCING TO MATCH SIZE AND SPACING OF BARS IN BOND BEAM.

7 S401

DETAIL
NO SCALE

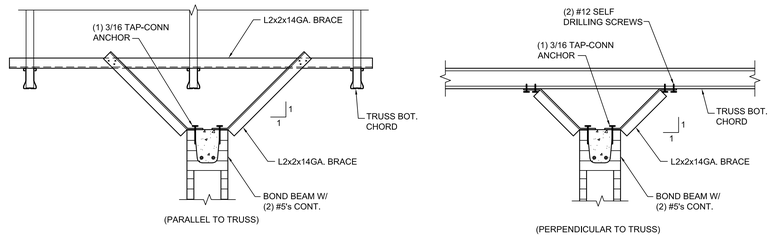


CONTROL JOINT DETAIL

1. PROVIDE CONTROL JOINTS IN CMU WALLS AT 20'-0" O.C.
2. SEE ARCHITECTURAL DRAWINGS FOR BRICK EXPANSION JOINT REQUIREMENTS.

8 S401

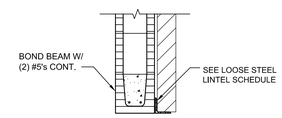
CMU WALL JOINT DETAIL
NO SCALE



NOTES:
1. MASONRY WALLS (INTERIOR & EXTERIOR) SHALL BE BRACED AT 8'-0" O.C. OR HAVE CONTINUOUS WIND GIRDER AT T/WALL TO BRACE WALL.

9 S401

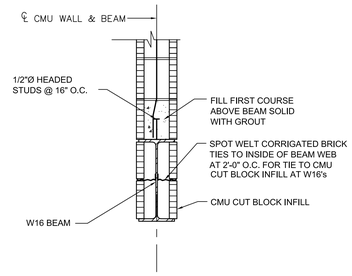
WALL BRACE DETAIL
NO SCALE



NOTES:
1. ALL EXT. LINTELS SHALL BE HOT DIP GALVANIZED. PAINT PER ARCH. SPECS.
2. EXTEND PLATE AND ANGLE STIFFENERS 4" ONTO BRICK AT EACH END

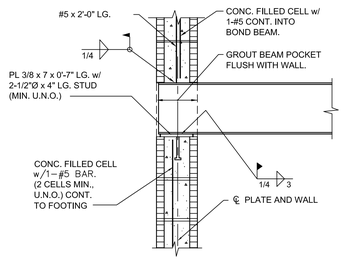
11 S401

DETAIL
NO SCALE



12 S401

DETAIL
NO SCALE

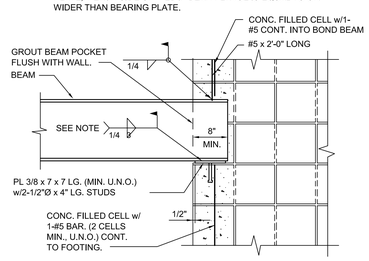


(PERPENDICULAR)

13 S401

DETAIL
NO SCALE

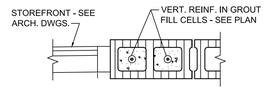
NOTE:
SUBSTITUTE 2 - 3/4"Ø PLUG WELDS ON CENTER LINE OF BEARING PLATE, 1 EACH SIDE OF WEB IF BEAM FLANGE IS EQUAL TO OR WIDER THAN BEARING PLATE.



(PARALLEL)

14 S401

DETAIL
NO SCALE



15 S401

DETAIL
NO SCALE

16 S401

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GEORGIA No. 25090 PROFESSIONAL ENGINEER RANDALL SHANE CREWS
1-3-19

REV:	DATE:	
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% BID SET

DRAWN JMS
CHECKED RSC
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

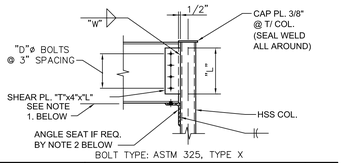
VALDOSTA, GA

0 5' 10' 15' 20'

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

CREWS Engineering
Structural . Civil . Consulting Engineering
103-B South Patterson Street
Valdosta, Georgia 31601
Tel: 229.244.3100 Fax: 229.244.4210
CE JOB: 05.1802

S401

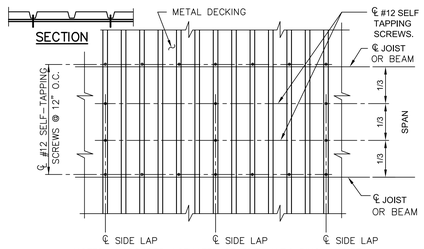


BOLT TYPE: ASTM 325, TYPE X

BEAM SIZE	NO. OF BOLTS PER VERT. ROW	D (in.)	L (in.)	T (in) PLATE THK.	W (in.)
W6	1	3/4"	3"	1/4"	1/4"
W8 & W10	2	3/4"	6"	3/8"	1/4"
W12 & W14	3	3/4"	9"	3/8"	1/4"

NOTE:
1. COLUMN SHALL BE NOTCHED AND "THRU PLATE" INSTALLED FOR CONNECTION OF ALL "GIRDER" BEAMS (BEAMS SUPPORTING MULTIPLE OTHER BEAMS).
2. PROVIDE L6X4X3/8 LLV SEAT WITH (2) 3/4" BOLTS AT STD. GAGE FOR CONNECTIONS OF W18 AND LARGER BEAMS TO HSS COLUMNS. IF REQ. SEAT TO MATCH WIDTH OF COL. MIN.

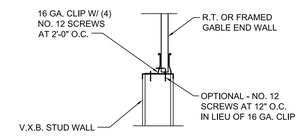
1 S501



NOTES: 1. POWDER ACTUATED OR PNEUMATIC PINS MAY BE SUBSTITUTED FOR SCREWS AT JOIST OR BEAM.
2. ATTACHMENT TO BE 36/4 PATTERN, w/ 2 SIDE LAP SCREWS MINIMUM. MAXIMUM SPACING OF SIDE LAP SCREWS TO BE 3'-0". (U.N.O. ON PLAN OR IN SPECIFICATIONS).

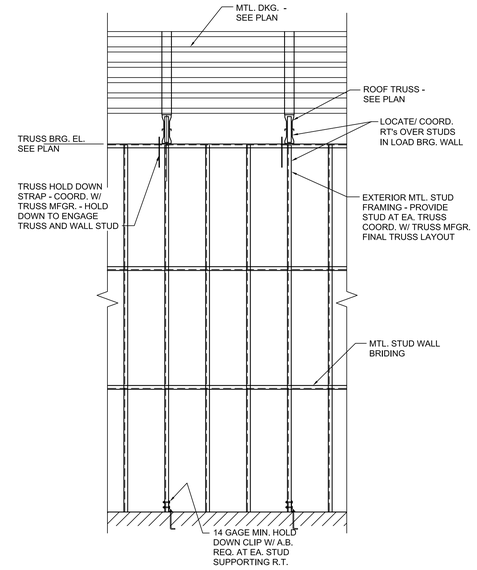
DETAIL
NO SCALE

2 S501



DETAIL
NO SCALE

3 S501

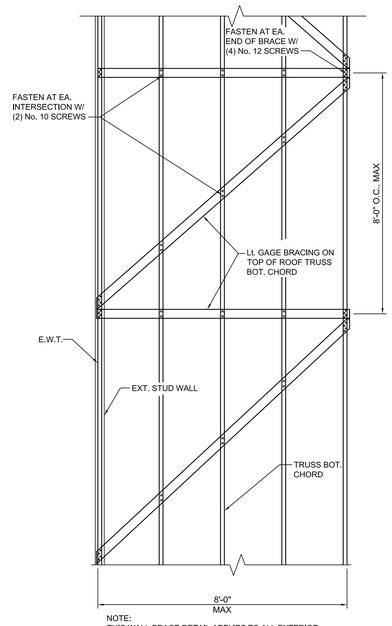


DETAIL
SCALE: 1/2" = 1'-0"

8 S501

5 S501

6 S501



NOTE:
THIS WALL BRACE DETAIL APPLIES TO ALL EXTERIOR WALLS WHERE ROOF TRUSSES RUN PARALLEL TO WALL.

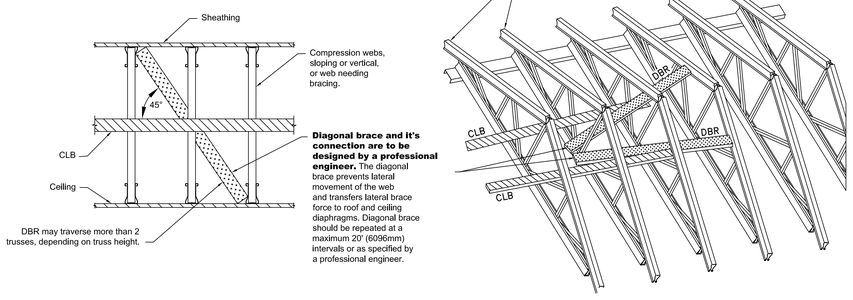
EXTERIOR WALL TRUSS BRACE DETAIL
SCALE: 1/2" = 1'-0"

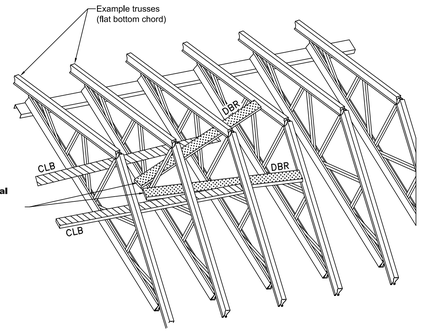
11 S501

LOOSE STEEL LINTEL SCHEDULE	
CLEAR SPAN	LINTEL TYPE AND SIZE
UP TO 4'-0"	L4 x 3-1/2 x 5/16
4'-0"-6'-0"	L5 x 3-1/2 x 3/8
6'-0"-8'-0"	L6 x 3-1/2 x 3/8

NOTES:
1. ONE ANGLE PER 4" THICKNESS OF MASONRY.
2. 6" MINIMUM BEARING EACH END OF EACH ANGLE.
3. LONG LEG SHALL BE PLACED VERTICAL.
4. ALL EXTERIOR ANGLES SHALL BE GALVANIZED.

12 S501

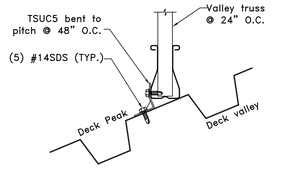




13 S501

Connection Detail D
Maximum Limits:

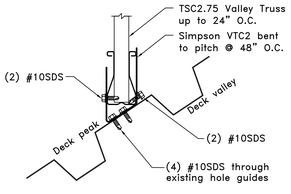
Pitch:	5/12 for TSC2.75 Valley 3/12 for TSC4.00 Valley
Windspeed:	133 mph
Total TCL:	60 psf



OR

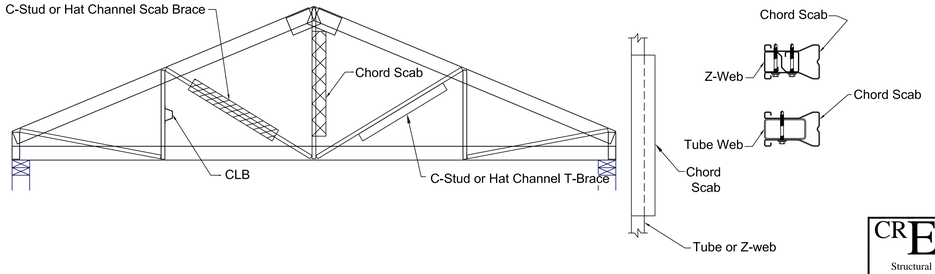
Connection Detail E
Maximum Limits:

Pitch Range:	5/12 to 8/12
Windspeed:	110 mph
Total TCL:	60 psf



General Notes:
1. SDS = Self-Drilling Tapping screw; TCL = Top Chord Load
2. #10SDS spacing, edge distance and end distance is 9/16" minimum. #14SDS spacing, edge distance and end distance is 3/4" minimum.
3. Refer to approved truss drawings for valley truss designs. Valley truss bottom chord panels not to exceed 4'0".

VALLEY TRUSS DETAIL
NO SCALE



15 S501

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GEORGIA No. 25030 PROFESSIONAL ENGINEER RANDALL SHANE CREWS
1-3-19

REV:	DATE:	
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DRAWN JMS
CHECKED RSC
JOB NO. 18004
DATE 10-02-18

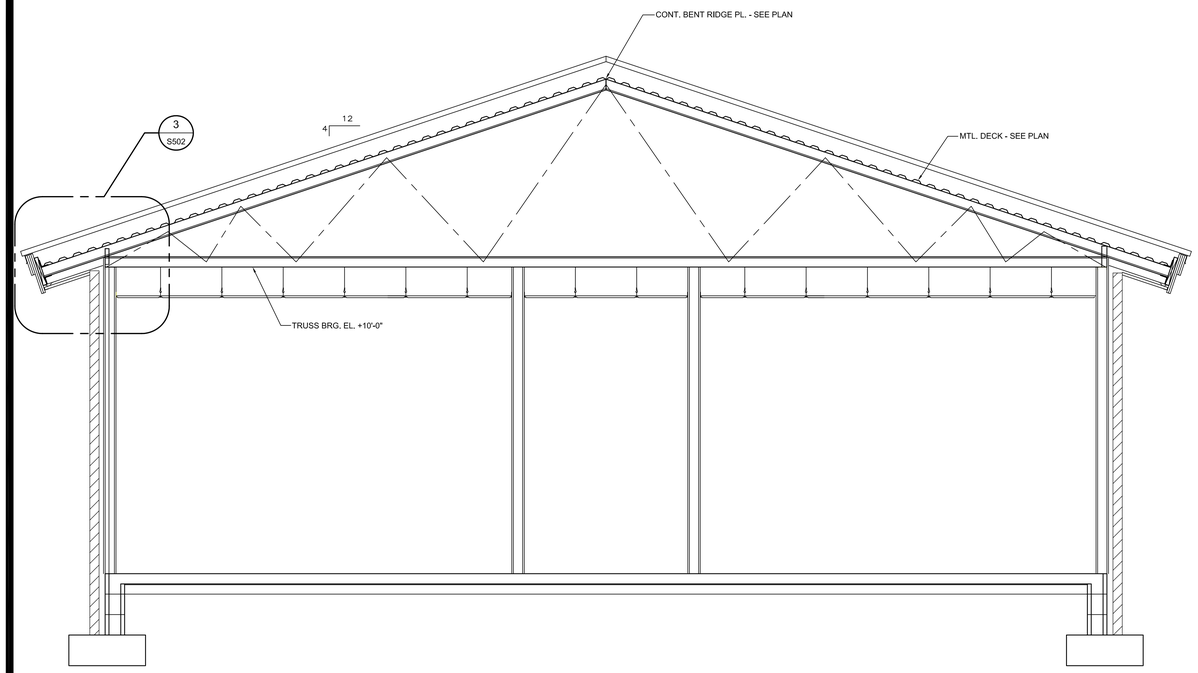
A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

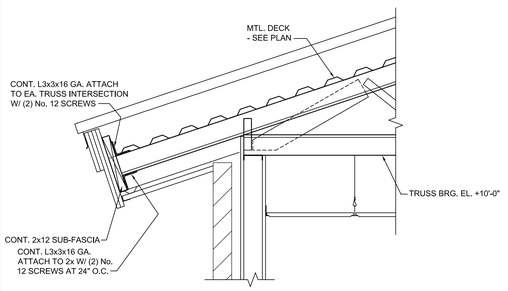
0 5 10 15' 20'
SCALE: 1/8" = 1'-0"

S501



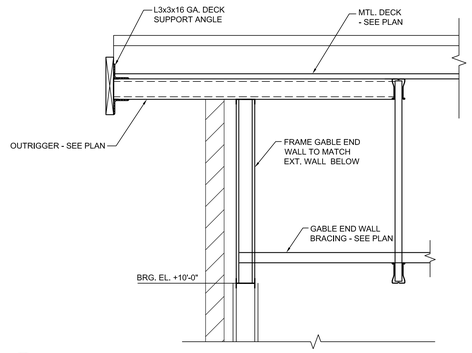
5 / S502

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



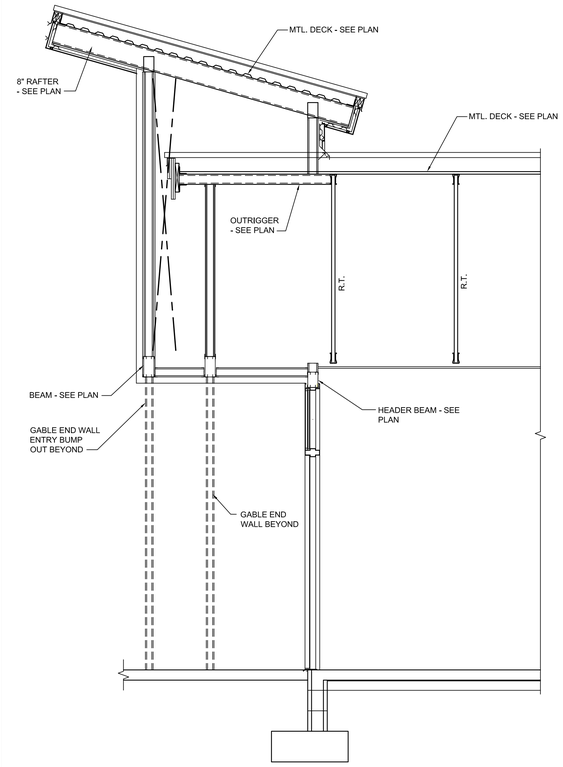
3 / S502

SECTION
SCALE: 1" = 1'-0"



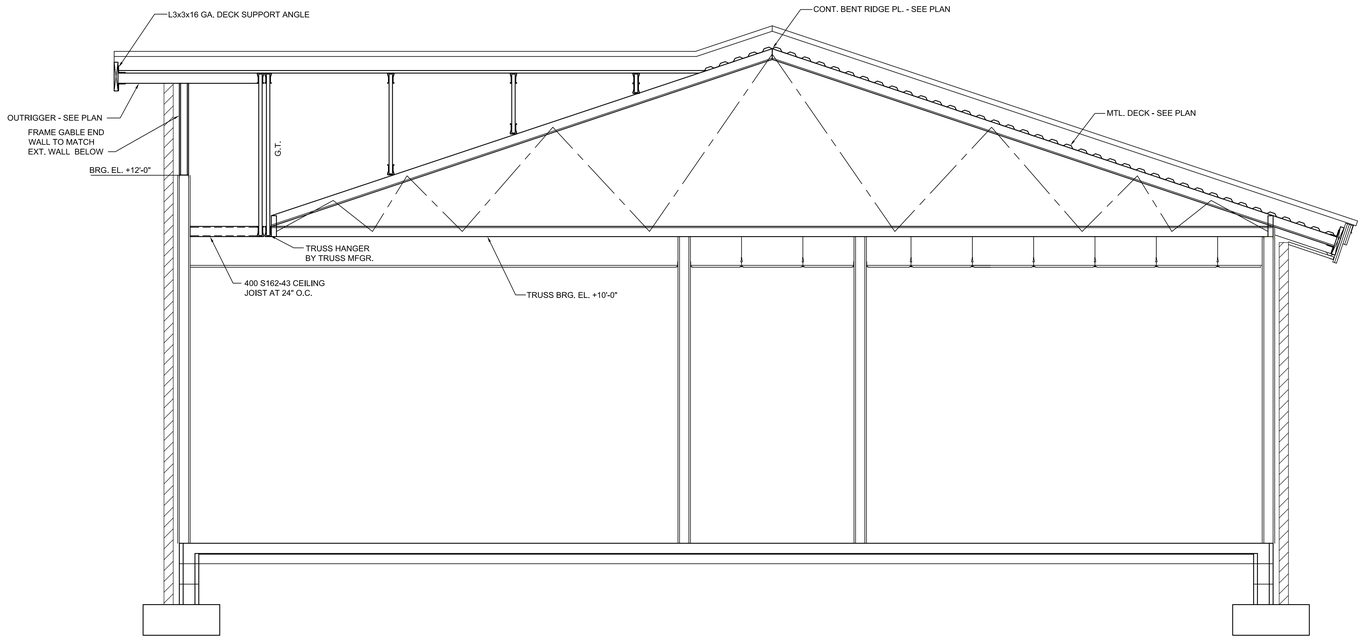
7 / S502

SECTION
SCALE: 1" = 1'-0"



8 / S502

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



13 / S502

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

12 / S502

16 / S502

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SOUTHERN GEORGIA
REGIONAL COMMISSION

GEORGIA
No. 25090
PROFESSIONAL
ENGINEER
RANDALL SHANE CREWS
1-3-19

REV:	DATE:	
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DRAWN JMS
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JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

0 5' 10' 15' 20'

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

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103-B South Patterson Street
Valdosta, Georgia 31601
Tel: 229.244.3100 Fax: 229.244.4210
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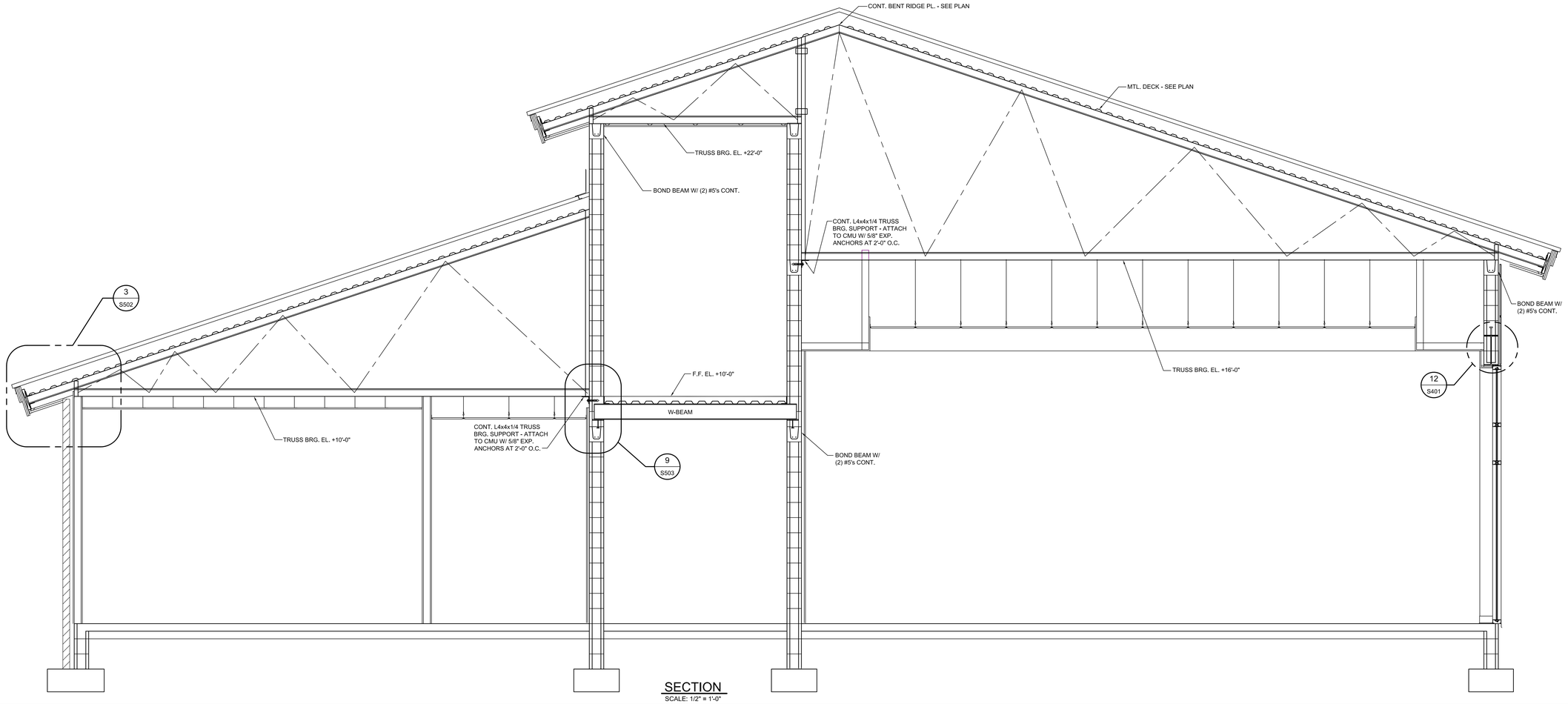
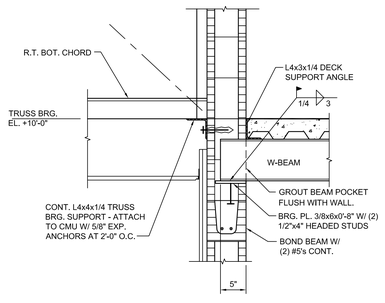
S502



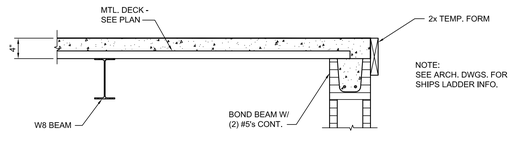
5
S503

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



9
S503

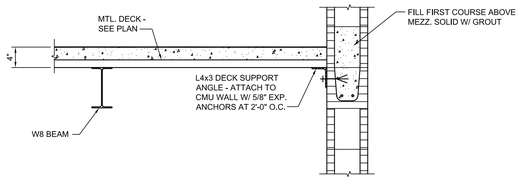
DETAIL
SCALE: 1" = 1'-0"



10
S503

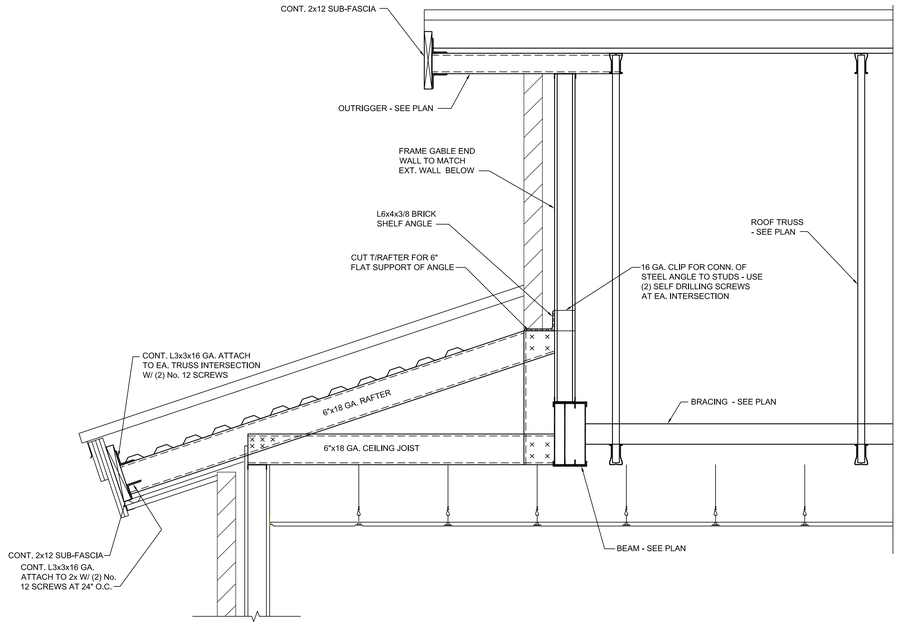
SECTION
SCALE: 1" = 1'-0"

13
S503



14
S503

SECTION
SCALE: 1" = 1'-0"



15
S503

SECTION
SCALE: 1" = 1'-0"

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sgic SOUTHERN GEORGIA REGIONAL COMMISSION

CREWS Engineering
Structural . Civil . Consulting Engineering
101-B South Patterson Street
Valdosta, Georgia 31601
Tel: 229.244.3100 Fax: 229.244.4210
CE JOB: 05.1802

GEORGIA
No. 25030
PROFESSIONAL ENGINEER
RANDALL SHANE CREWS
1-3-19

REV:	DATE:	
	10-31-18	DD REVIEW SET
	12-07-18	90% REVIEW SET
	02-04-19	100% BID SET

DRAWN JMS
CHECKED RSC
JOB NO. 18004
DATE 10-02-18

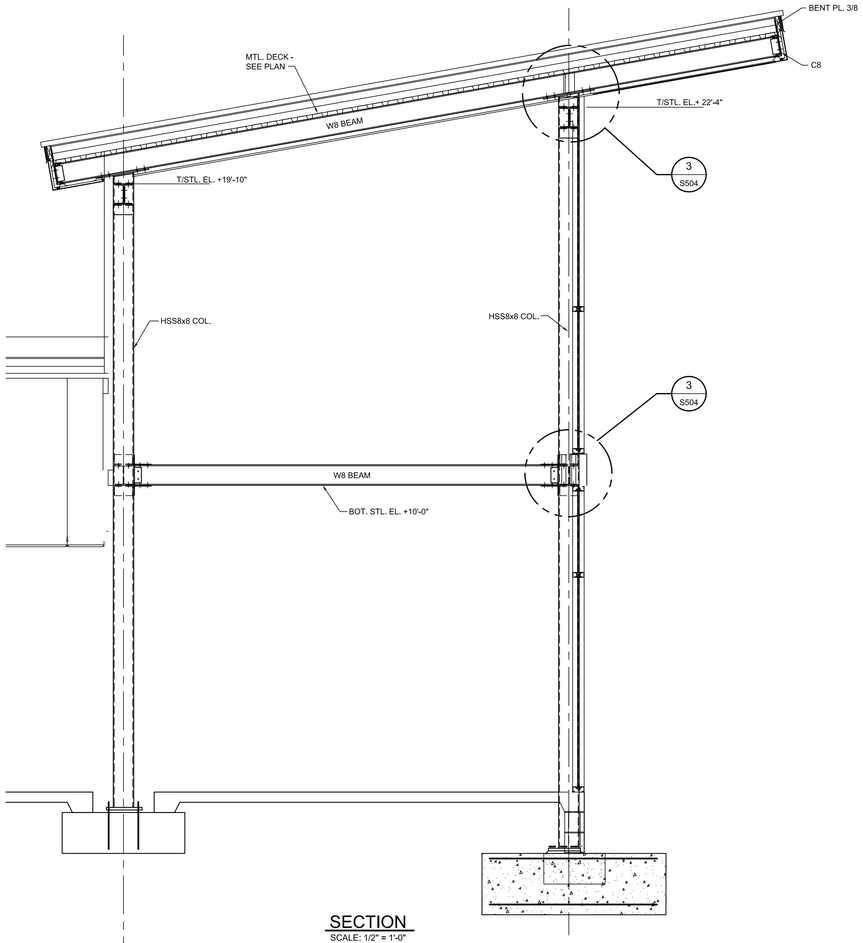
A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

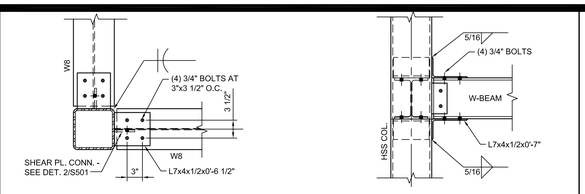
0' 5' 10' 15' 20'
SCALE: 1/8" = 1'-0"

S503



5
S504

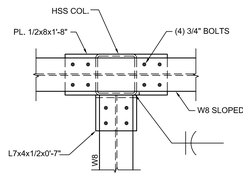
SECTION
SCALE: 1/2" = 1'-0"

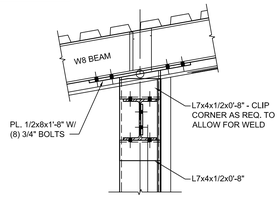


PLAN VIEW

SECTION

AT INTERMEDIATE ELEVATION





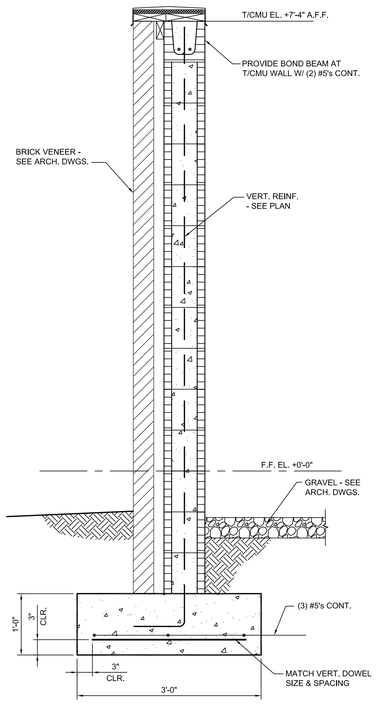
3
S504

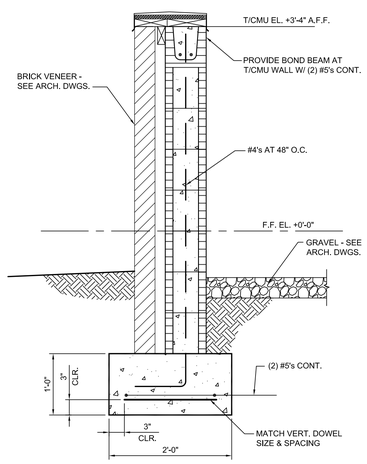
PLAN VIEW

AT ROOF ELEVATION

SECTION
SCALE: 1" = 1'-0"

4
S504





13
S504

SCREEN WALL DETAILS
SCALE: 1/2" = 1'-0"

11
S504

12
S504

15
S504

16
S504

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VALDOSTA, GA

0 5' 10 15' 20'

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

S504

DGN FILE
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DATE PLOTTED
08-FEB-2019

WATER HAMMER ARRESTOR SCHEDULE

MARK	FIXTURE UNIT RATING	CONNECTION SIZE	REMARKS
PDI-A	1-11 FIXTURE UNITS	3/4"	SIZE & INSTALL PER MANUFACTURER'S RECOMMENDATIONS
PDI-B	12 -32 FIXTURE UNITS	1"	SIZE & INSTALL PER MANUFACTURER'S RECOMMENDATIONS
PDI-C	33 -60 FIXTURE UNITS	1"	SIZE & INSTALL PER MANUFACTURER'S RECOMMENDATIONS
PDI-D	61 -113 FIXTURE UNITS	1"	SIZE & INSTALL PER MANUFACTURER'S RECOMMENDATIONS

DOMESTIC WATER HEATER SCHEDULE

ITEM	CAPACITY	RECOVERY @ 100° F RISE	FUEL	FUEL CHARACTERISTICS	LOCATION	REMARKS
WH-1	50 GALLON	37 GAL	ELEC.	9 K.W.	MEZZANINE	
WH-2	INSTANTANEOUS	0.5GPM @ 48°R	ELEC.	3.5 K.W.	TOILET 139	

RECIRCULATOR PUMP SCHEDULE

MARK	H.P.	GPM	TDH	REMARKS	LOCATION
RP-1	1/25	3	10		MEZZANINE

LEGEND

	BALL VALVE		ROOF DRAIN
	CHECK VALVE	SD	BUILDING STORM DRAIN
	PRESSURE REDUCING VALVE	SDO	STORM DRAIN OVERFLOW
	FLOW INDICATOR BALANCER (CIRCUIT SETTER)		SOIL, WASTE
	STRAINER		VENT
	GAS COCK		COLD WATER
	GATE VALVE		HOT WATER (120°)
	GLOBE VALVE		HOT WATER RETURN
	UNION	G	GAS (LOW PRESSURE)
	VALVE IN VALVE BOX	HPG	HIGH PRESSURE GAS
	AQUASTAT	BF	BELOW FLOOR
N.F.W.H.	NON-FREEZE WALL HYDRANT	AC	ABOVE CEILING
T	TEST PLUG	NTS	NOT TO SCALE
	THERMOMETER	AFG	ABOVE FINISHED GRADE
	SILL COCK (SC) HOSE BIBB (HB)	VTR	VENT THRU ROOF
	INCREASER	CPHB	CHROME PLATED HOSE BIBB
	FLOOR DRAIN (FD)		
	CLEANOUT (CO)		
	HUB DRAIN		
	THRUST BLOCK		

FIXTURE SCHEDULE

FIXT. I.D.	FIXTURES	FLOOR TO RIM	WASTE	SUPPLY		FIX. CONN.		REMARKS
				HOT	COLD	HOT	COLD	
WC1	WATER CLOSET	15"	3"	---	1"	---	1"	
WC2	WATER CLOSET	17"	3"	---	1"	---	1"	ADA
UR1	URINAL	17"	2"	---	1"	---	3/4"	ADA
LV1	LAVATORY	34"	1-1/4"	1/2"	1/2"	3/8"	3/8"	ADA
LV2	LAVATORY	C.T.	1-1/4"	1/2"	1/2"	3/8"	3/8"	ADA
LV3	LAVATORY	C.T.	1-1/4"	1/2"	1/2"	3/8"	3/8"	ADA
SK1	SINK	C.T.	1-1/2"	1/2"	1/2"	1/2"	1/2"	ADA
MB1	MOP BASIN	10"	3"	1/2"	1/2"	1/2"	1/2"	
IB1	ICE MAKER BOX	18"	---	---	1/2"	---	1/2"	
EWC1	ELEC. WATER COOLER	36"*	1-1/4"	---	1/2"	---	3/8"	HI-LO

* MOUNT AT 36" ABOVE FINISHED FLOOR TO CENTERLINE OF BUBBLER SPOUT.

NOTE TO CONTRACTOR:

WHERE CONNECTING TO A UTILITY OR SERVICE, VERIFY LOCATION, SIZES, MATERIALS, FLUID BEING HANDLED AND INVERTS OF ALL EXISTING UTILITIES AND CONFIRM THAT NEW PIPES BEING ROUTED TO EXISTING UTILITIES CAN BE INSTALLED CONFORMING TO CODE AND AS SHOWN. NOTIFY ARCHITECT OF ANY CONFLICTS OR DISCREPANCIES PRIOR TO PURCHASING ANY MATERIALS OR PERFORMING ANY WORK, EXTENSION OF WORK OR CONNECTION, WITH THE EXCEPTION OF EXCAVATION OR OTHER WORK TO PROVIDE ACCESS TO THE CONCEALED UTILITY.

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GENERAL NOTES:

1 - SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL PLUMBING FIXTURES.

2 - COORDINATE PLUMBING PIPING WITH AIR CONDITIONING DUCTS, EQUIPMENT AND ELECTRICAL CONDUIT.

3 - ALL WATER PIPING SHALL BE RUN ABOVE CEILING UNLESS OTHERWISE NOTED.

4 - ALL VENTS THRU ROOF (VTR) SHALL BE OFFSET A MINIMUM OF 15'-0" FROM ALL OUTSIDE INTAKES.

5 - PROVIDE HANGER ON ALL HORIZONTAL WATER PIPING INSIDE CHASES WITHIN 6" OF SPECIFIED WATER HAMMER ARRESTOR.

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE

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SOUTHERN GEORGIA
REGIONAL COMMISSION

GEORGIA REGISTERED PROFESSIONAL ENGINEER WILSON H. DENT

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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

LEGEND, SCHEDULES, NOTES, & DETAILS - PLUMBING

NORTH

P0.01

DGN FILE
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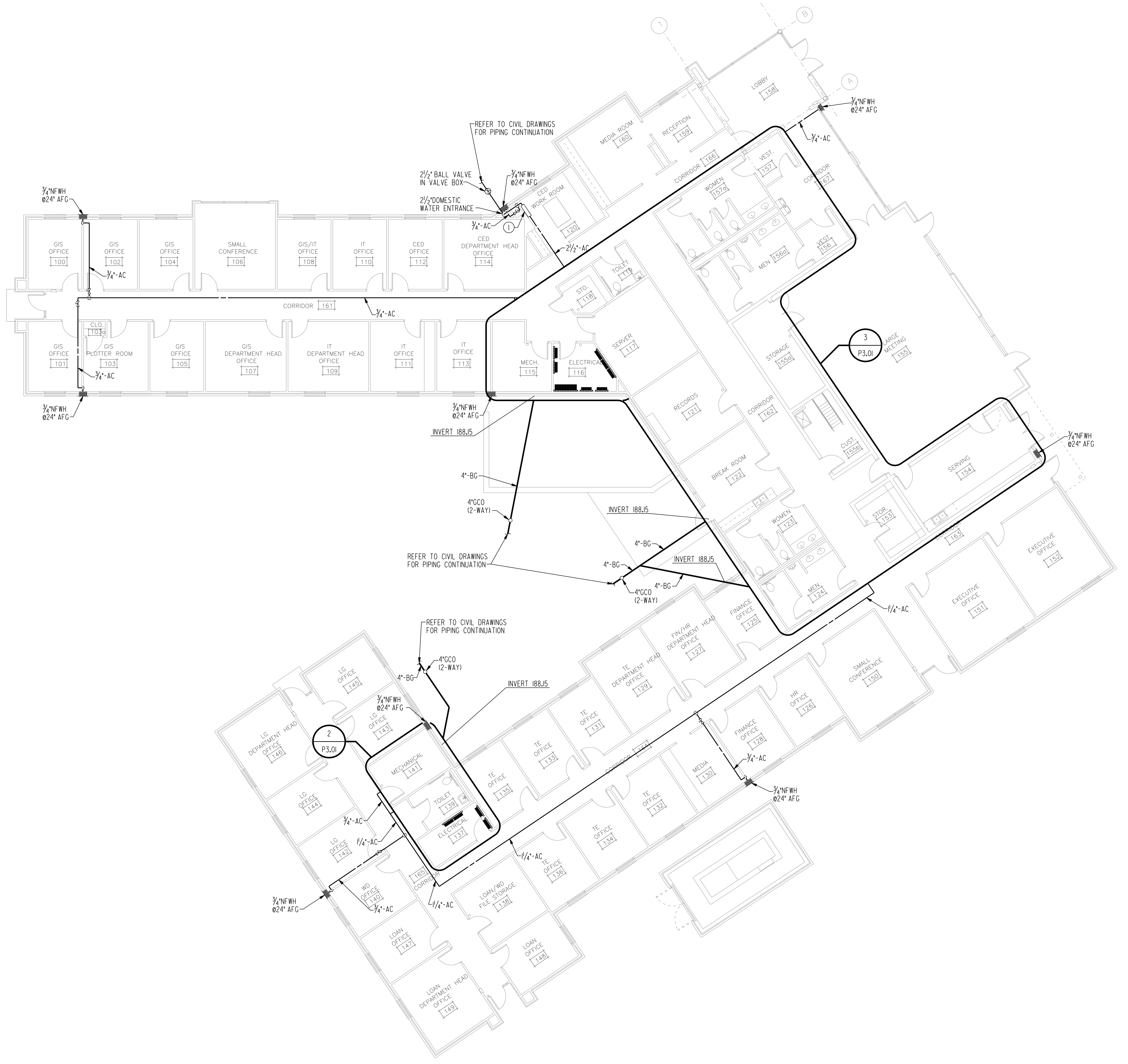
DATE PLOTTED
08-FEB-2019



NOTES: (THIS SHEET ONLY)

1. PRESSURE REGULATING VALVE STATION ABOVE CEILING. SEE DETAIL 7, P501.

1 FLOOR PLAN - PLUMBING

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

8 0 4 8 16

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SOUTHERN GEORGIA REGIONAL COMMISSION

GEORGIA REGISTERED NO. 031702 PROFESSIONAL ENGINEER WILSON H. DENT

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SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

FLOOR PLAN - PLUMBING

NORTH

P2.01

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DGN FILE
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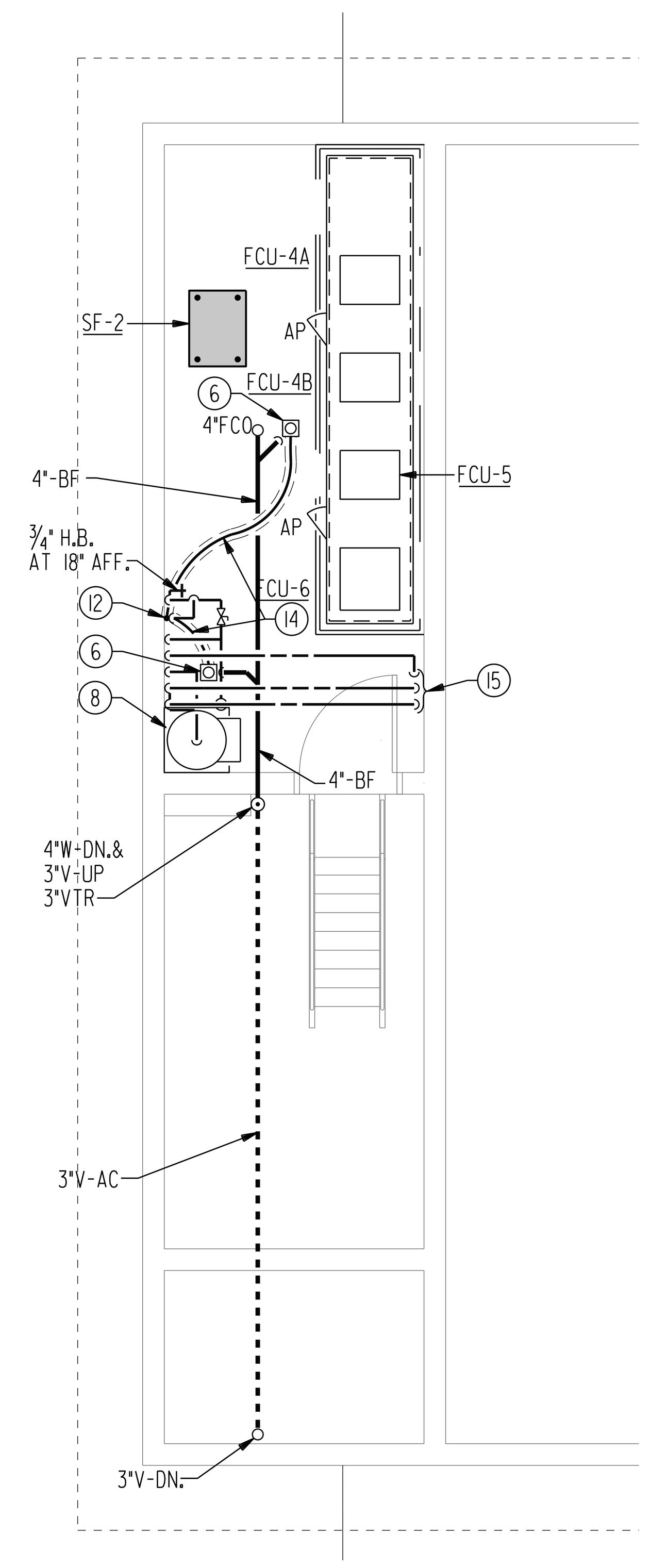
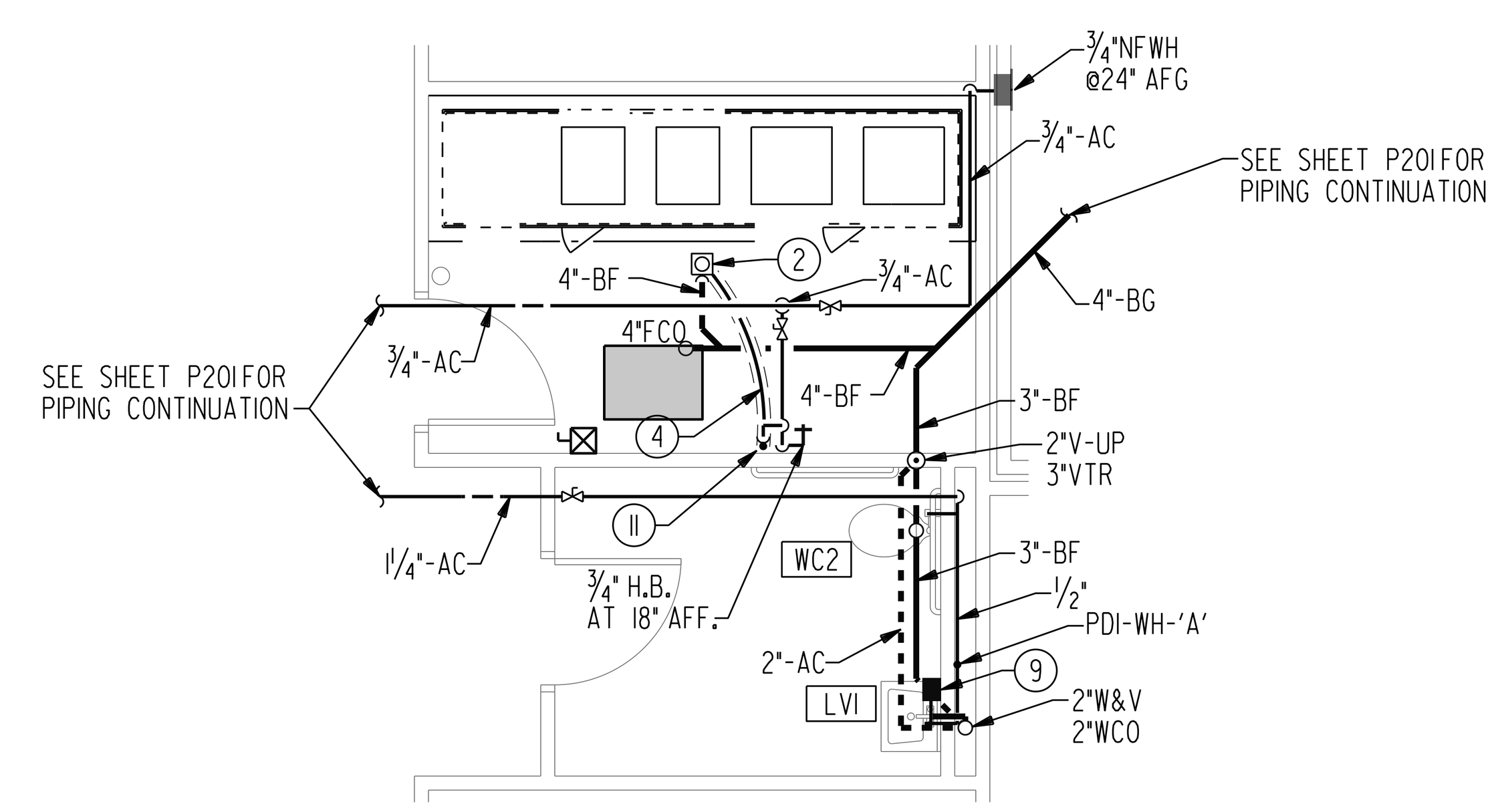
DATE PLOTTED
08-FEB-2019



① LARGE SCALE - MECHANICAL MEZZANINE 200 - PLUMBING

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

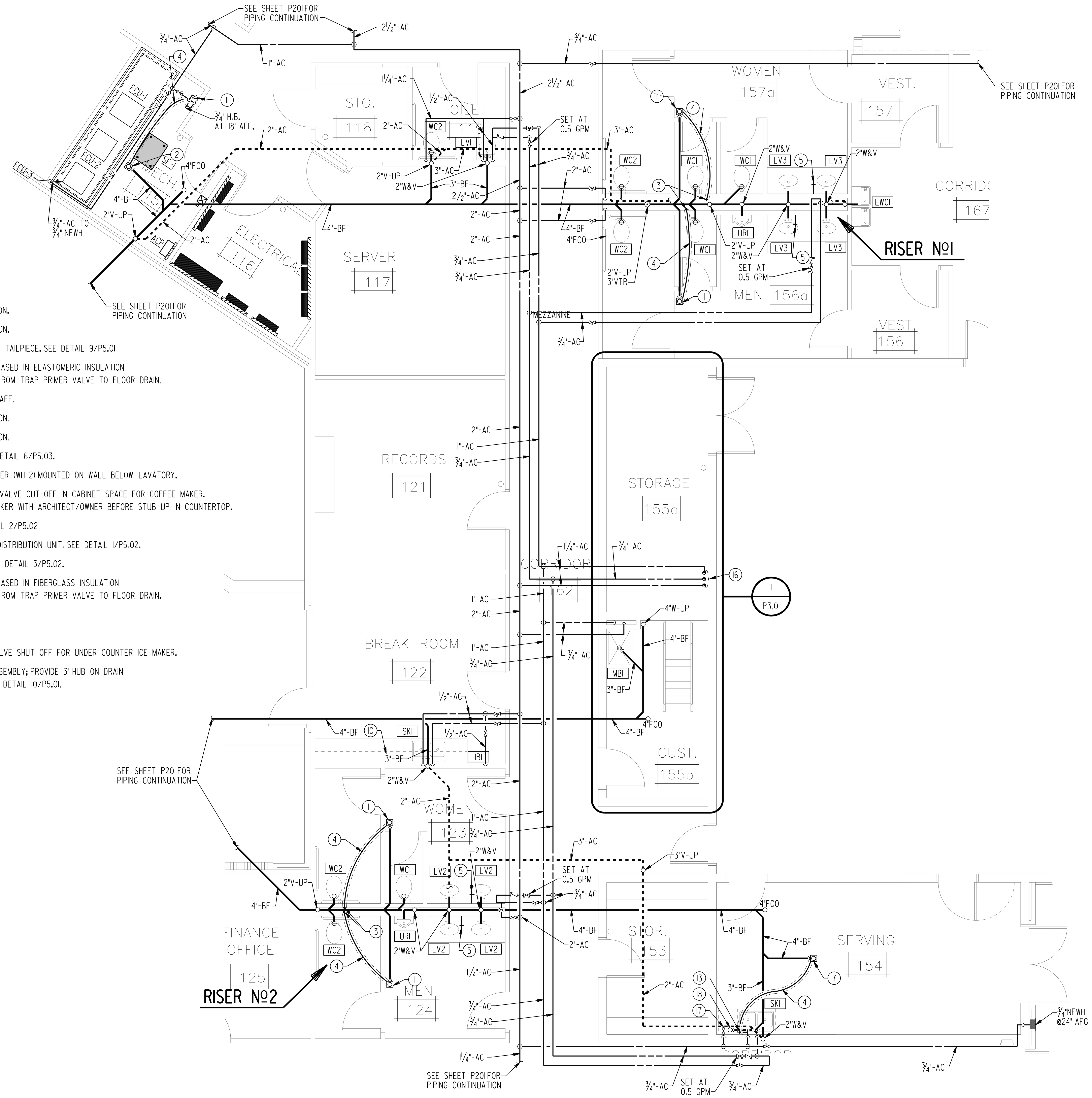


② LARGE SCALE - MECHANICAL 141/TOILET 139 - PLUMBING

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

NOTES: (THIS SHEET ONLY)

1. 3"FD-'A' WITH TRAP PRIMER CONNECTION.
2. 4"FD-'B' WITH TRAP PRIMER CONNECTION.
3. TRAP PRIMER UNIT OFF FLUSH VALVE TAILPIECE. SEE DETAIL 9/P5.01
4. ROUTE 1/2"TYPE 'L' SOFT COPPER ENCASED IN ELASTOMERIC INSULATION WITH NO JOINTS BELOW THE FLOOR FROM TRAP PRIMER VALVE TO FLOOR DRAIN.
5. 1/2" CHROME PLATE HOSE BIBB AT 18" AFF.
6. 4"FD-'C' WITH TRAP PRIMER CONNECTION.
7. 4"FD-'D' WITH TRAP PRIMER CONNECTION.
8. ELECTRIC WATER HEATER WH-1. SEE DETAIL 6/P5.03.
9. POINT OF USE ELECTRIC WATER HEATER (WH-2) MOUNTED ON WALL BELOW LAVATORY.
10. PROVIDE 1/2" COLD WATER WITH BALL VALVE CUT-OFF IN CABINET SPACE FOR COFFEE MAKER. COORDINATE LOCATION OF COFFEE MAKER WITH ARCHITECT/OWNER BEFORE STUB UP IN COUNTERTOP.
11. TRAP PRIMER VALVE UNIT. SEE DETAIL 2/P5.02
12. MULTIPLE TRAP PRIMER VALVE AND DISTRIBUTION UNIT. SEE DETAIL 1/P5.02.
13. TRAP PRIMER VALVE UNDER SINK. SEE DETAIL 3/P5.02.
14. ROUTE 1/2"TYPE 'L' SOFT COPPER ENCASED IN FIBERGLASS INSULATION WITH NO JOINTS BELOW THE FLOOR FROM TRAP PRIMER VALVE TO FLOOR DRAIN.
15. 1 1/4" C.W.; 1 1/4"H.W.; & 3/4" H.W.R. -DN.
16. 1 1/4" C.W.; 1 1/4"H.W.; & 3/4" H.W.R. - UP.
17. PROVIDE 1/2" C.W. WATER WITH BALL VALVE SHUT OFF FOR UNDER COUNTER ICE MAKER.
18. 2" DRAIN WITH WITH TRAP SEALER ASSEMBLY; PROVIDE 3" HUB ON DRAIN FOR UNDER COUNTER ICE MAKER. SEE DETAIL 10/P5.01.



③ LARGE SCALE - PARTIAL FLOOR PLAN - PLUMBING

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

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VALDOSTA, GA

SCALE: AS SHOWN

LARGE SCALE PLANS - PLUMBING

NORTH

P3.01

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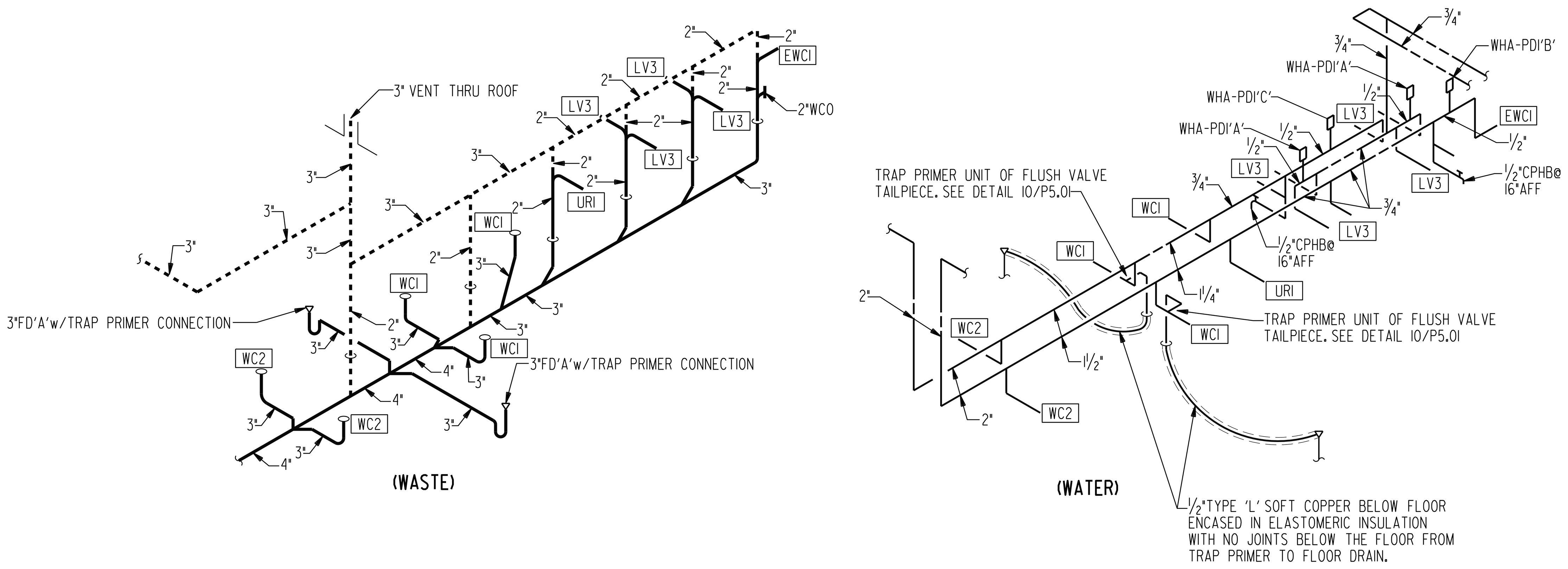
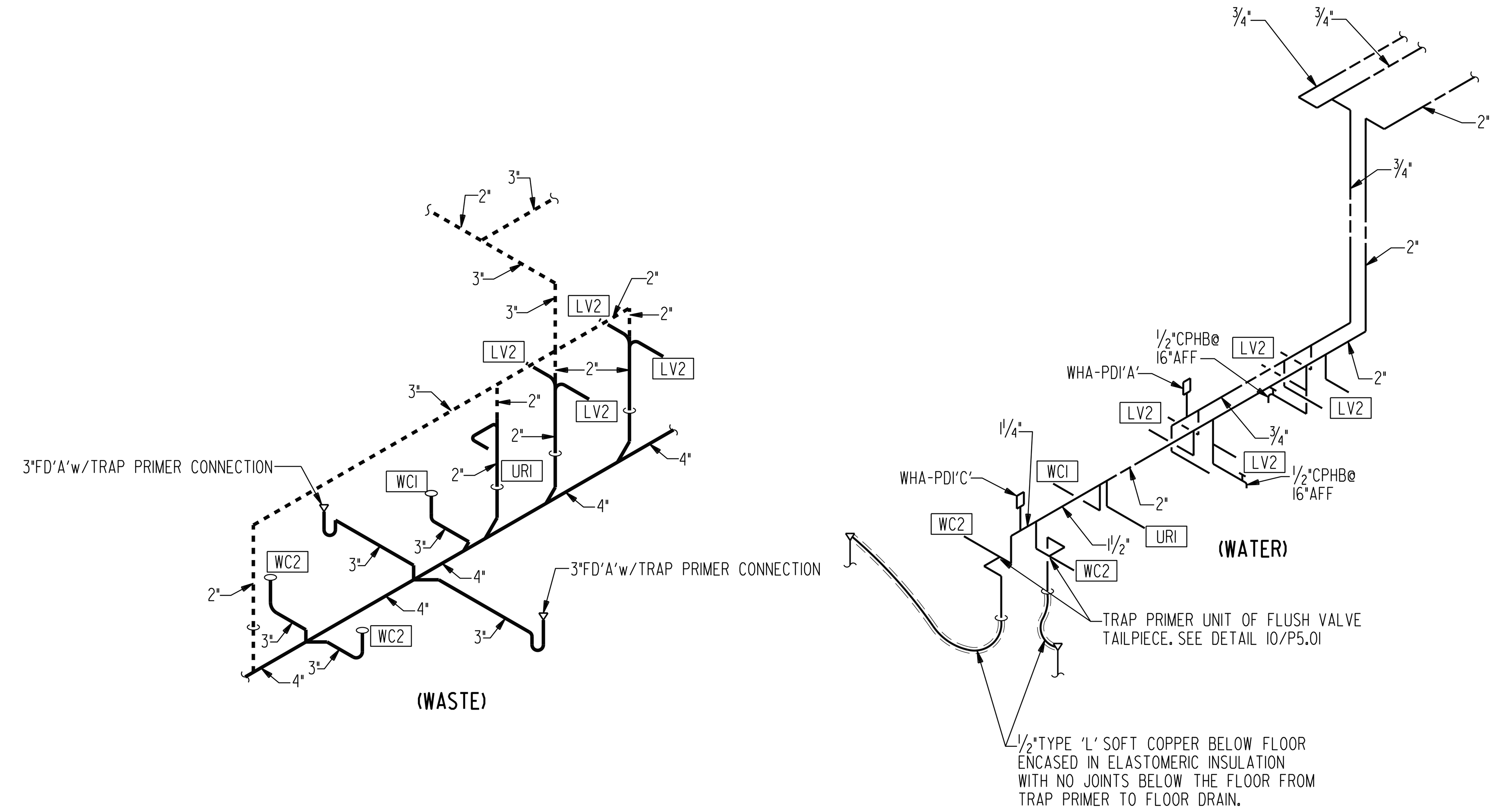
DATE PLOTTED
08-FEB-2019



1 RISER №1
NOT TO SCALE



2 RISER №2
NOT TO SCALE

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SCALE: AS SHOWN

RISERS - PLUMBING

NORTH

P4.01

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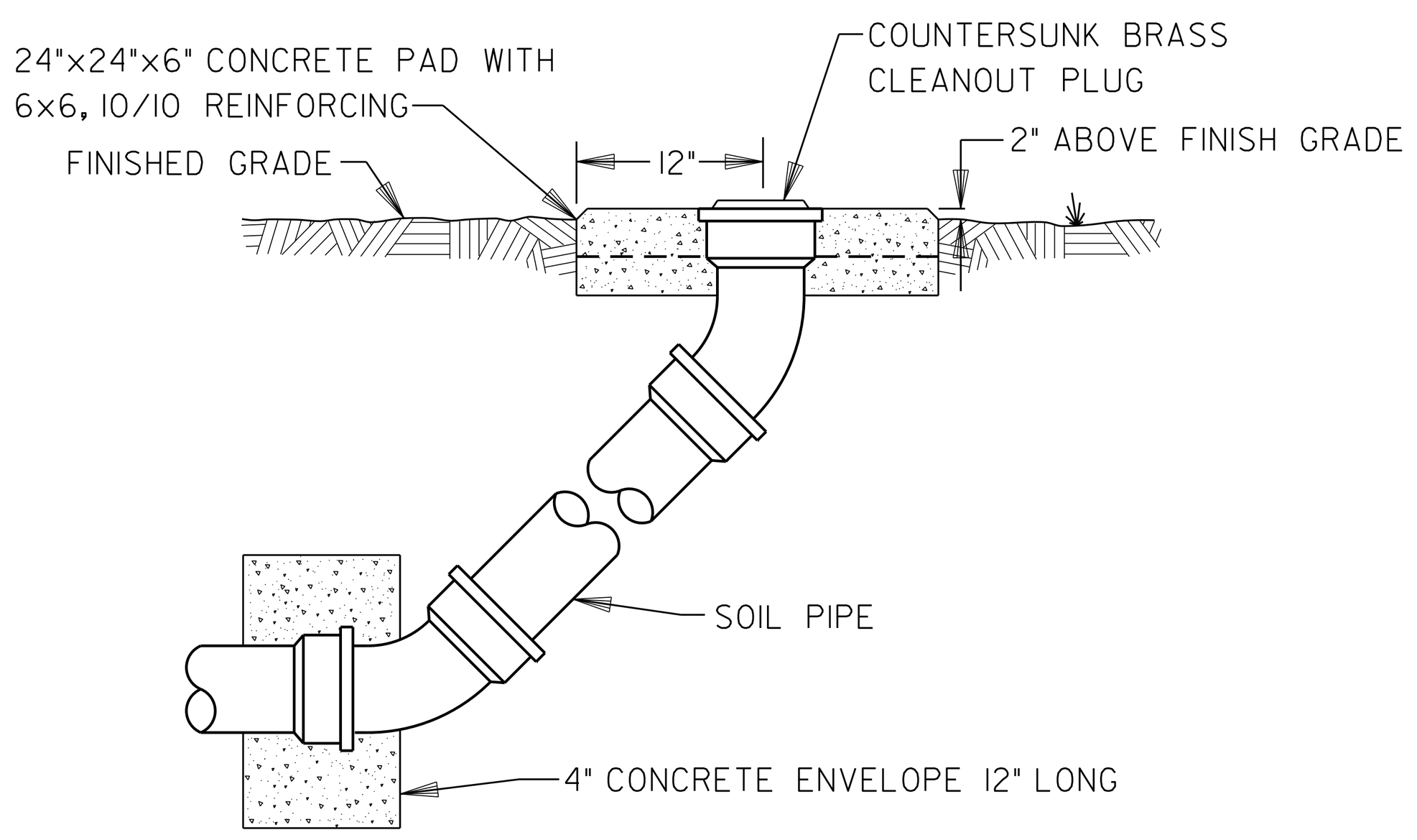
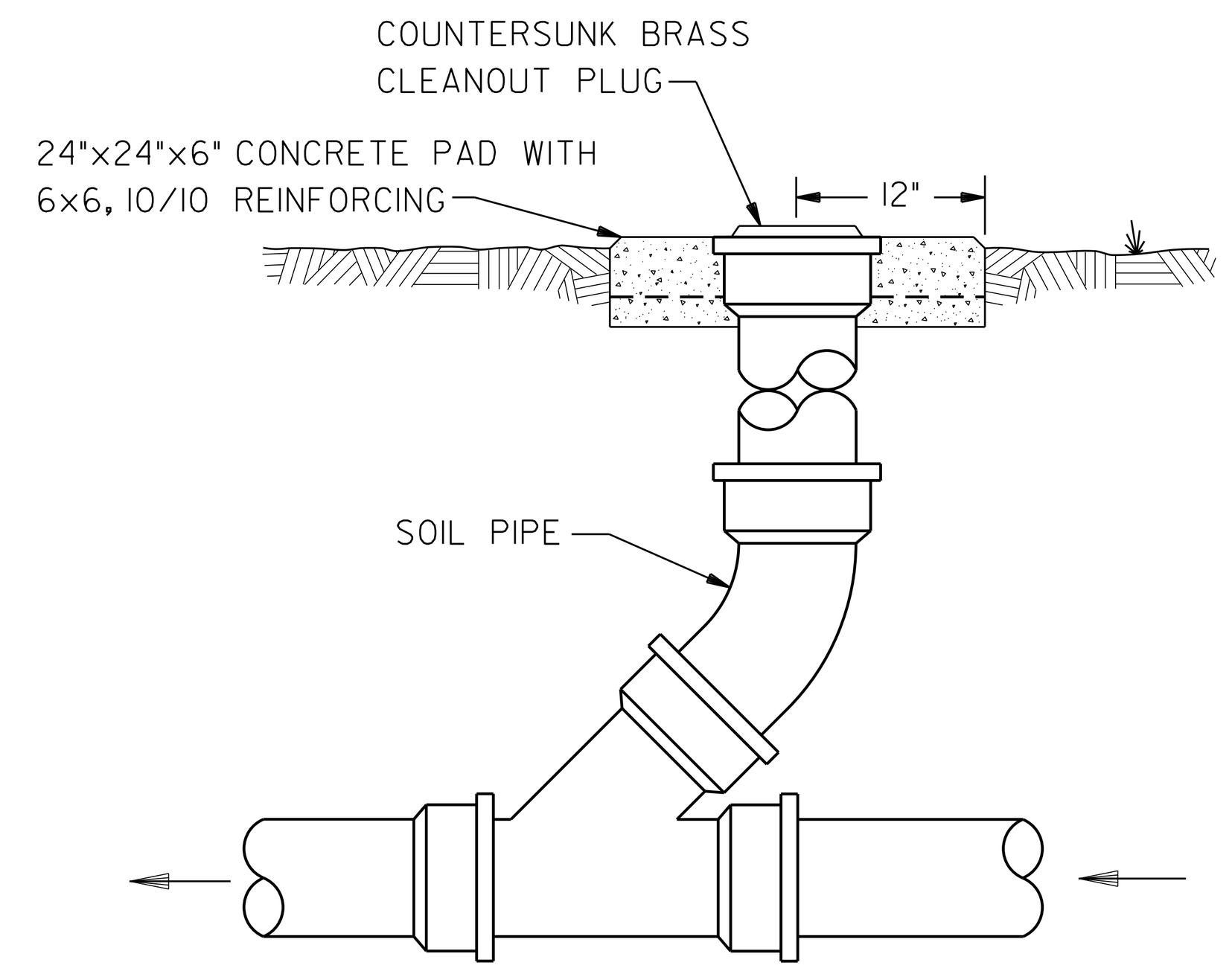
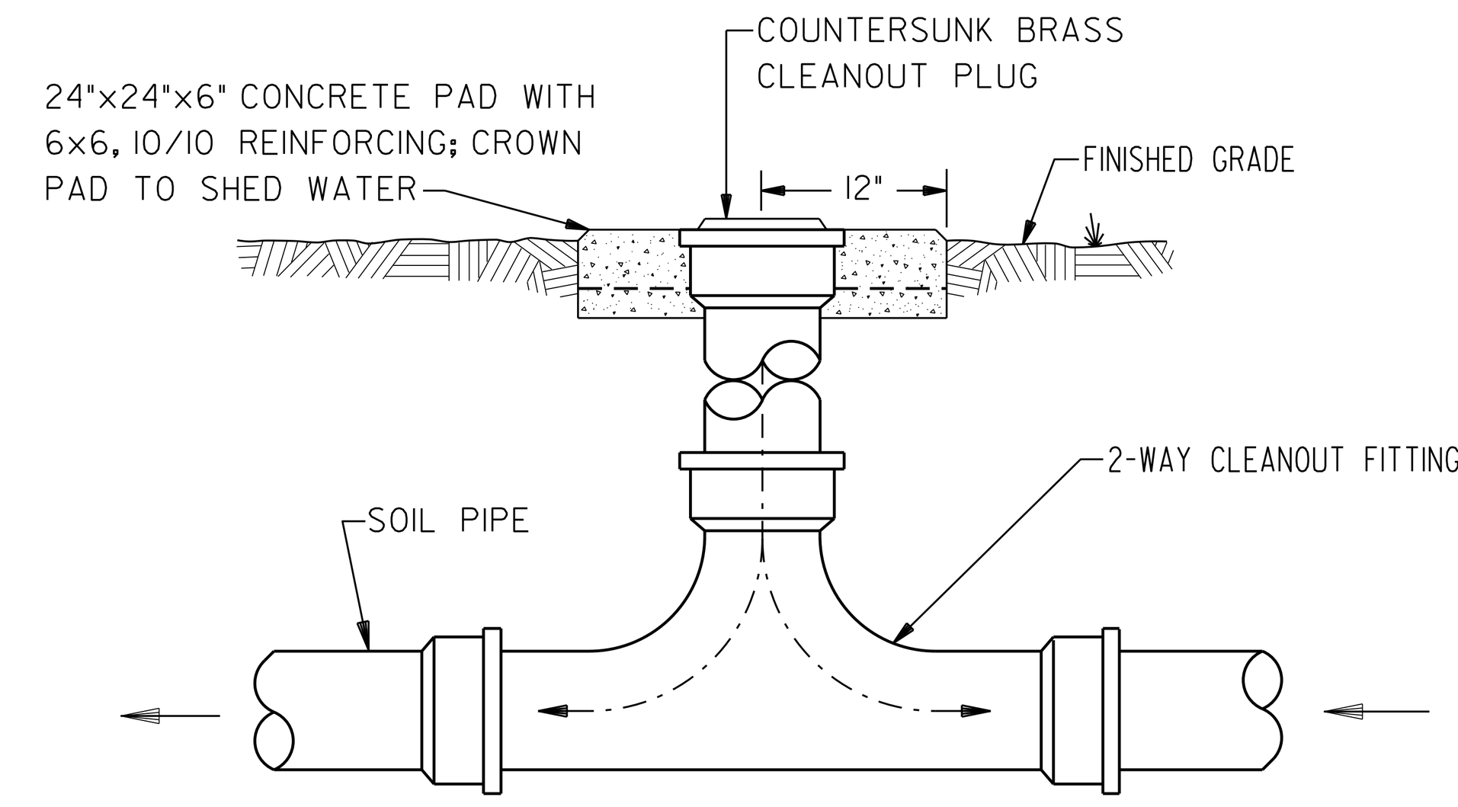
08-FEB-2019



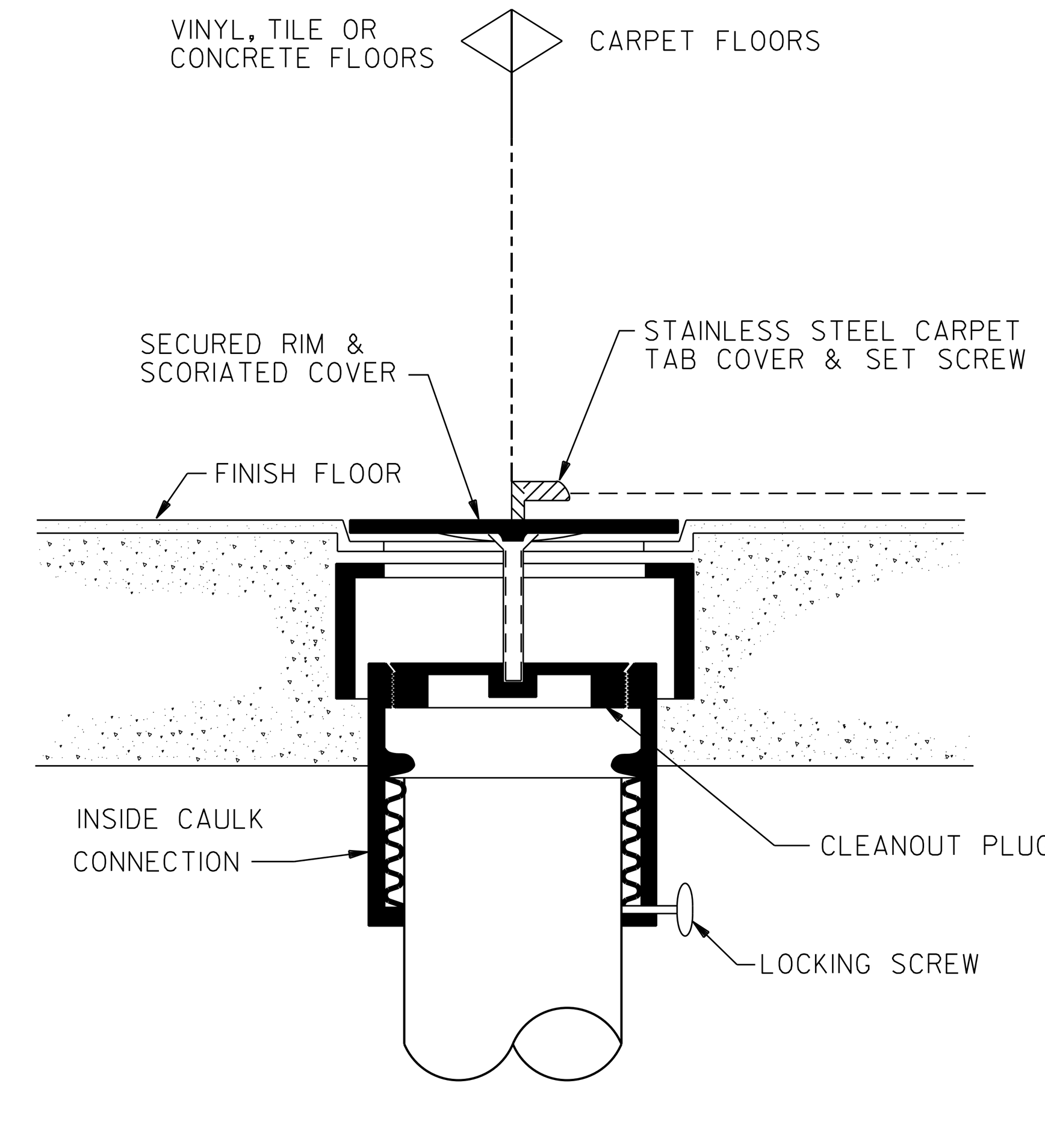
1 CLEANOUT AT END OF BELOW GROUND/FLOOR MAIN
NOT TO SCALE



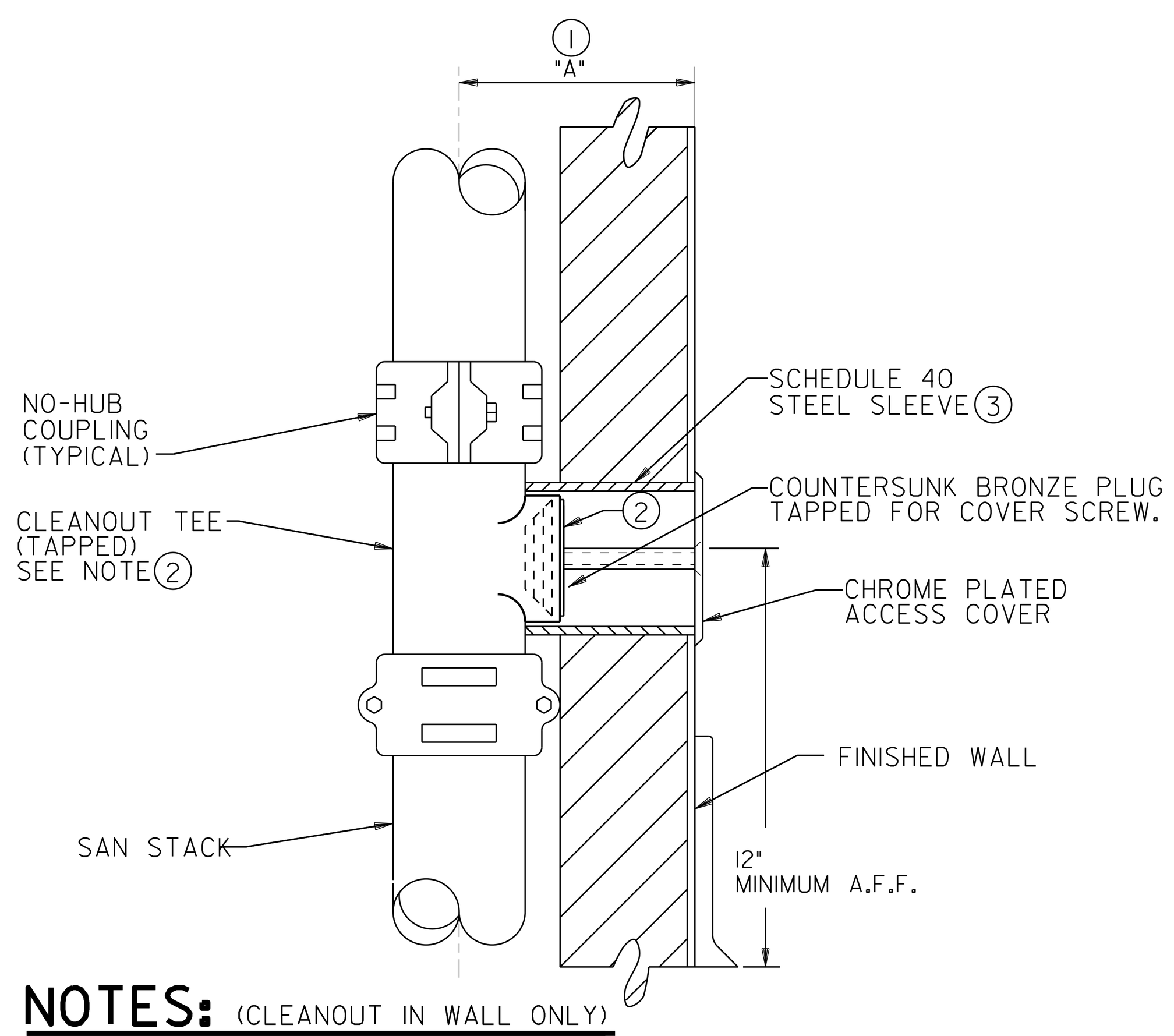
2 INLINE CLEANOUT ON BELOW GROUND/FLOOR MAIN
NOT TO SCALE



3 INLINE 2-WAY CLEANOUT ON BELOW GROUND MAIN
NOT TO SCALE



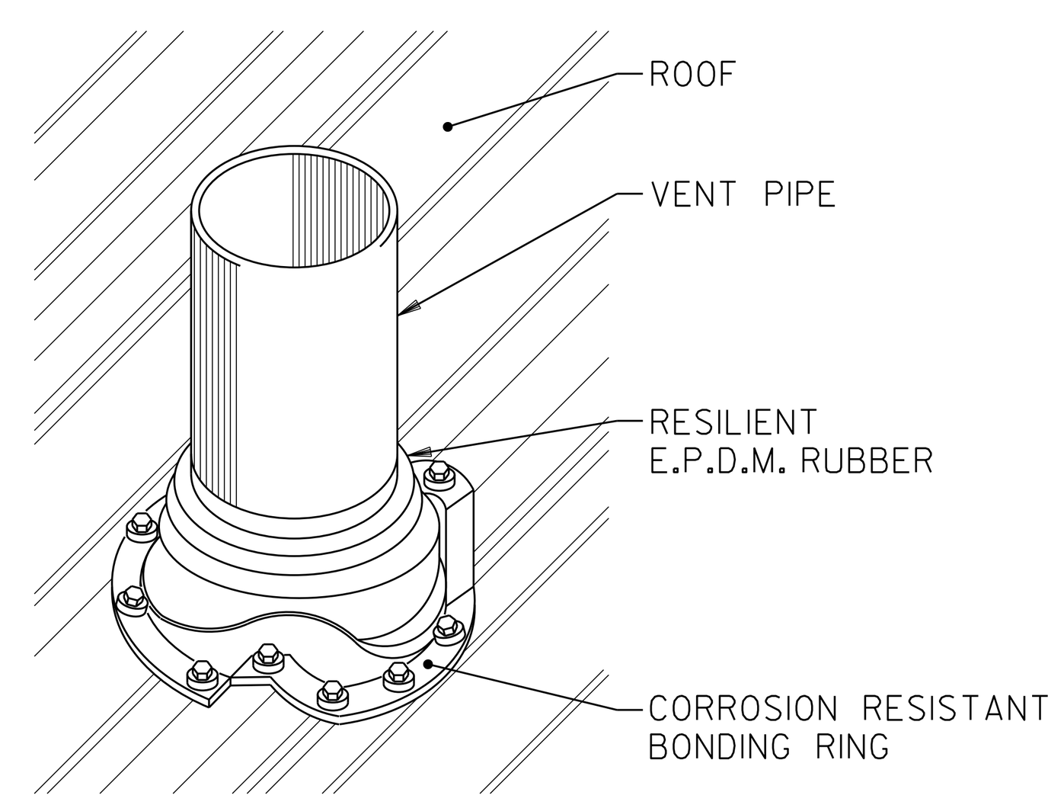
4 FINISH FLOOR CLEANOUT
NOT TO SCALE



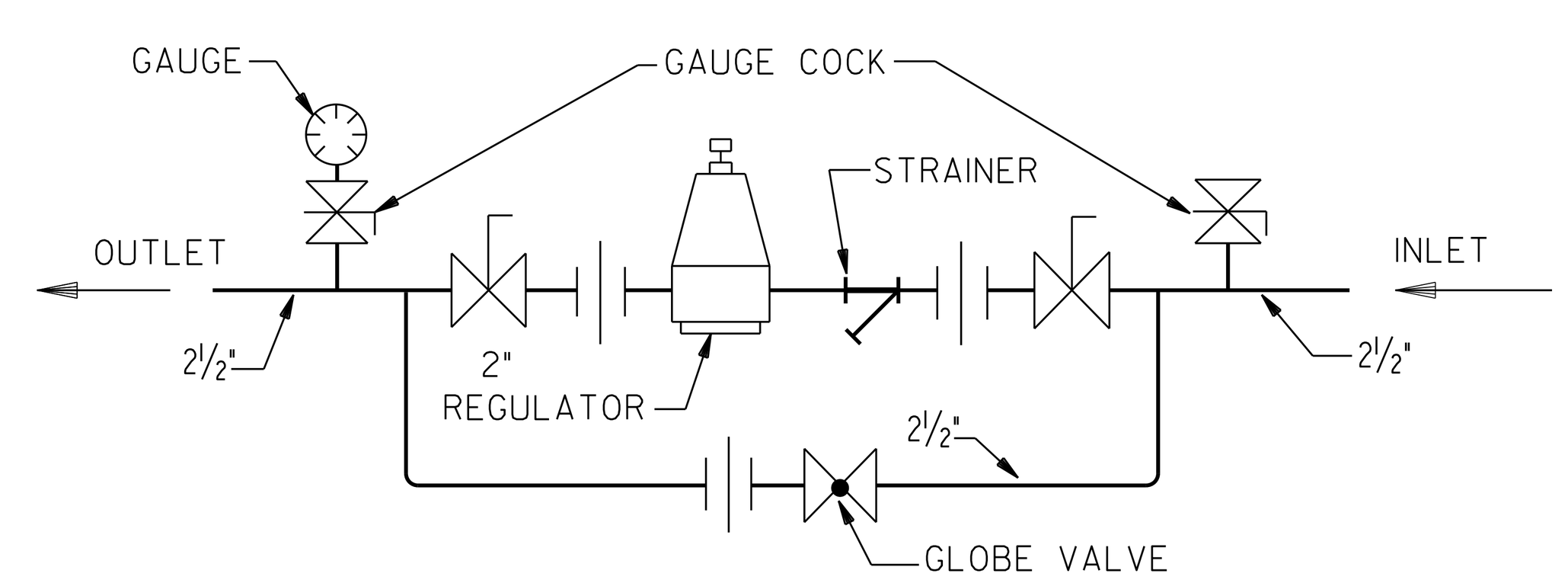
NOTES: (CLEANOUT IN WALL ONLY)

1. "A" DIMENSION SHALL NOT EXCEED 8-INCHES FOR 4" AND LARGER PIPE; AND 4-INCHES FOR 2" AND 3" PIPE.
2. EXTENSIONS FROM PIPE TO CLEANOUT PLUG SHALL BE ONE OF THE FOLLOWING:
   - A.) TAPPED TEE WITH PLUG.(SHOWN)
   - B.) SANITARY TEE WITH TAPPED FERRULE.
   - C.) SANITARY TEE WITH EXTENDED PIPE AND TAPPED FERRULE.
   - D.) COMBINATION WITH EXTENDED PIPE AND TAPPED FERRULE.
3. I.D. OF SLEEVE SHALL BE GREATER THAN THE O.D. OF THE TAPPED TEE OR TAPPED FERRULE, WHICH EVER IS USED.

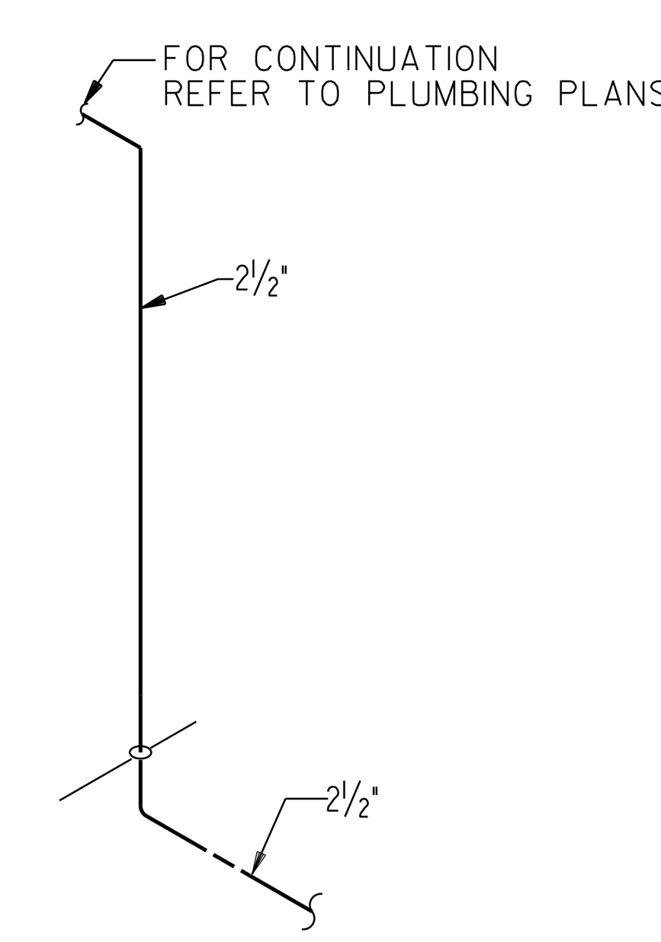
5 CLEANOUT IN WALL
NOT TO SCALE



6 STANDING SEAM VENT THRU ROOF WITH FLASHING COLLAR
NOT TO SCALE

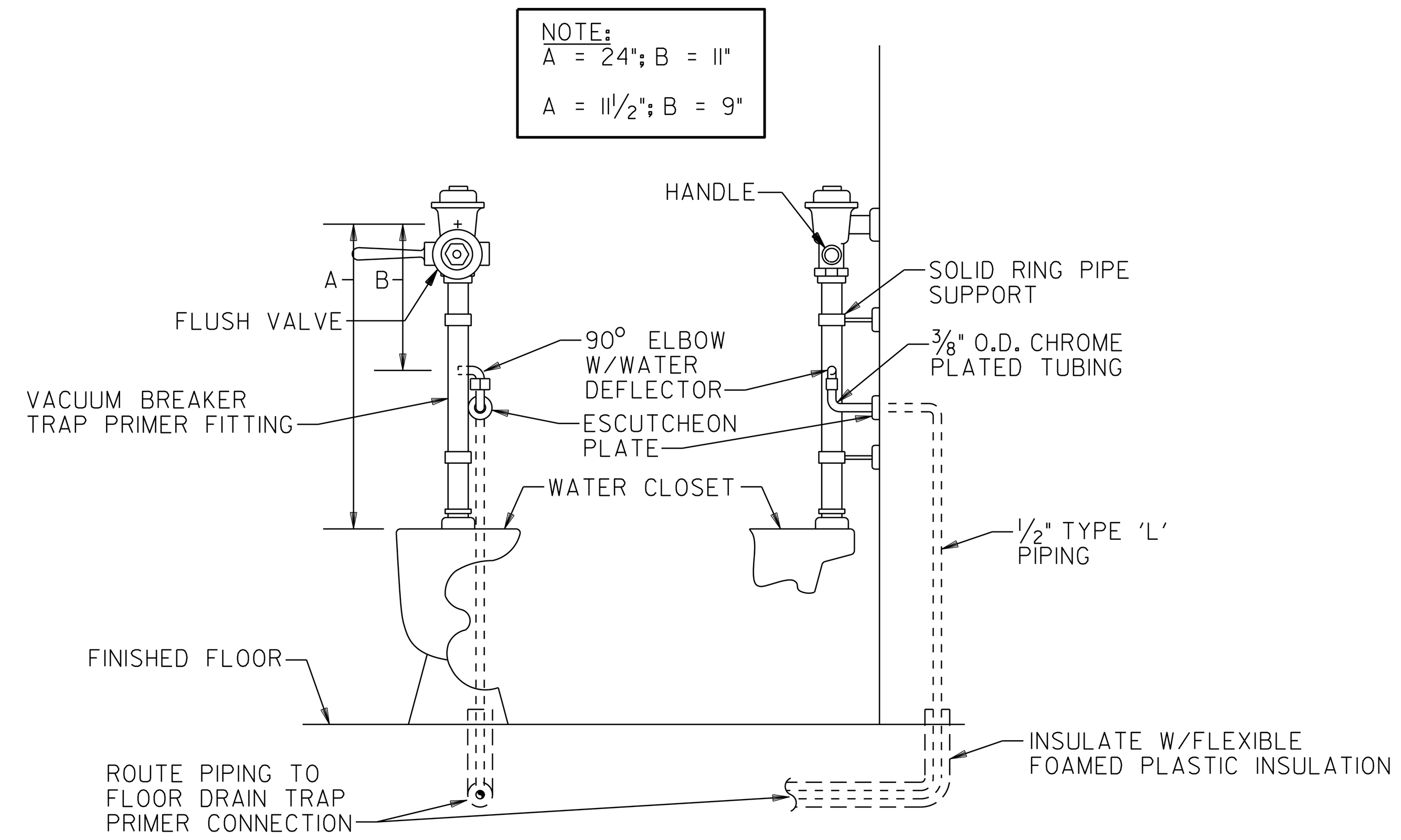


7 PRESSURE REGULATING VALVE
NOT TO SCALE

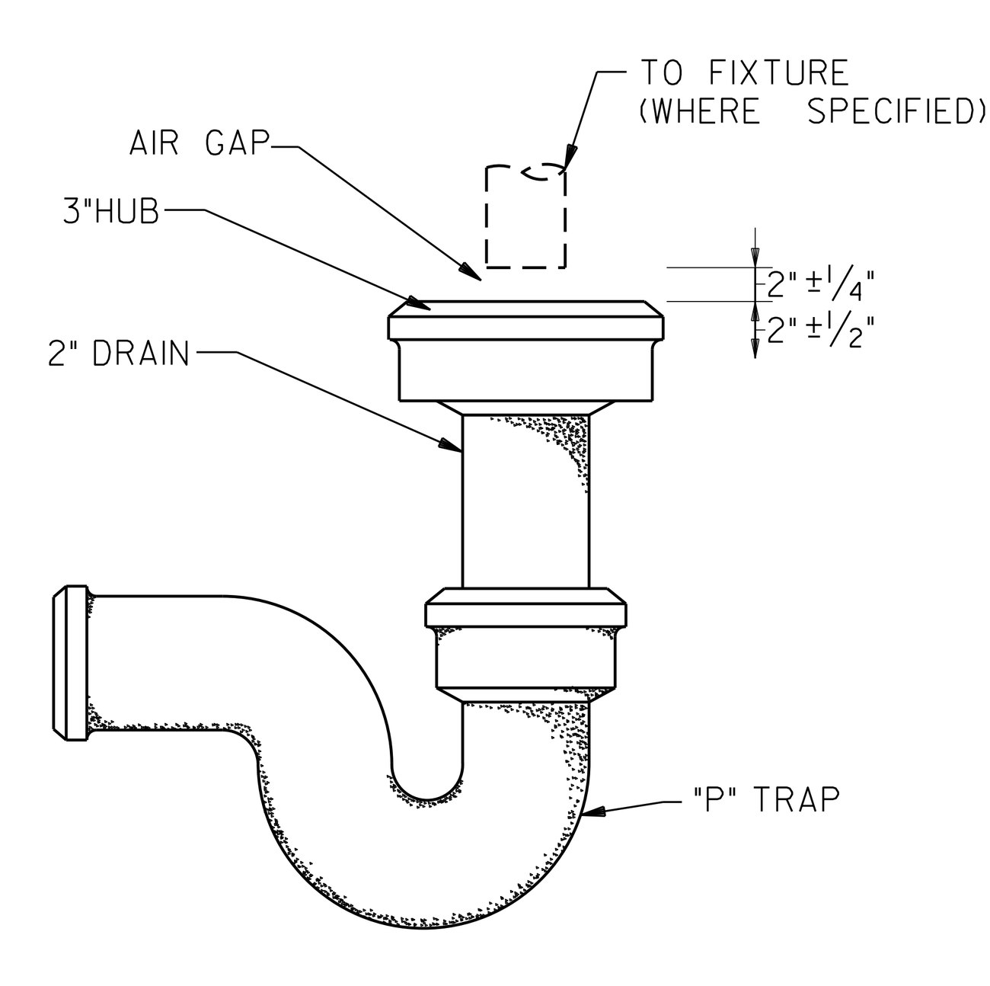


8 WATER MAIN ENTRANCE
NOT TO SCALE

NOTE:
A = 24"; B = 11"
A = 11 1/2"; B = 9"



9 FLUSH VALVE TRAP PRIMER DETAIL
NOT TO SCALE



10 HUB DRAIN
NOT TO SCALE

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A NEW OFFICE BUILDING FOR:

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VALDOSTA, GA

SCALE: AS SHOWN

DETAILS - PLUMBING

NORTH

P5.01

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE

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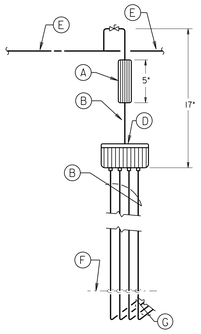
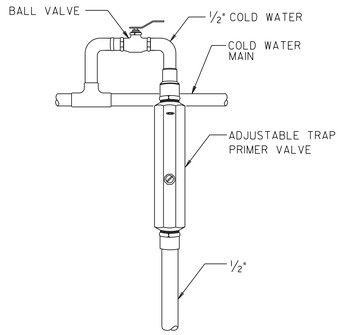


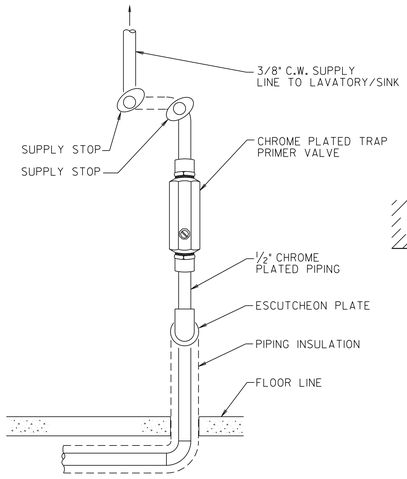
NOTES: (THIS DETAIL ONLY)

- (A) TRAP PRIMER VALVE
- (B) UNINSULATED SUPPLY LINE
- (C) -OMITTED-
- (D) DISTRIBUTION UNIT (PROVIDE OPENINGS AS SHOWN ON PLANS)
- (E) INSULATED DOMESTIC WATER LINE. SEE PLAN FOR SIZE.
- (F) FLOOR LINE
- (G) TO FLOOR DRAIN TRAP PRIMER CONNECTION ON FLOOR DRAIN.

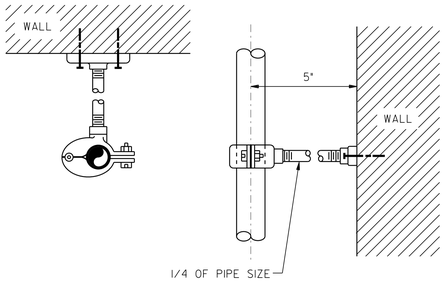
1 MULTIPLE TRAP PRIMER VALVE AND DISTRIBUTION UNIT
NOT TO SCALE



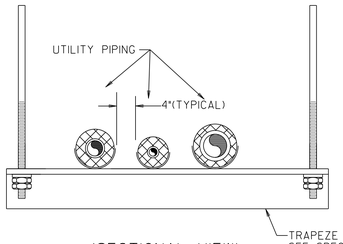
2 TRAP PRIMER DETAIL
NOT TO SCALE



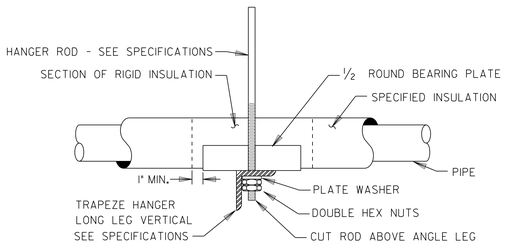
3 TRAP PRIMER DETAIL
NOT TO SCALE



4 EXTENSION SPLIT PIPE CLAMP HANGER
NOT TO SCALE

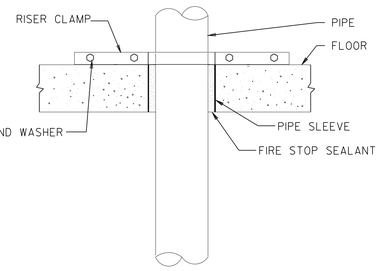


(SECTIONAL VIEW)



(SIDE VIEW)

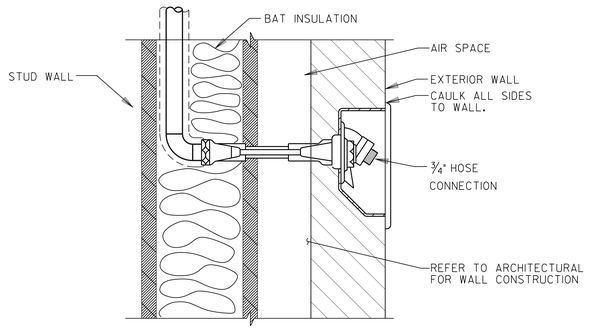
5 TRAPEZE PIPE HANGER
NOT TO SCALE



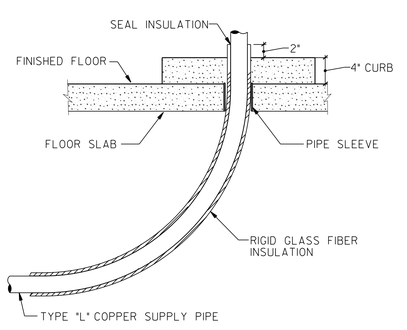
ELEVATION

PLAN

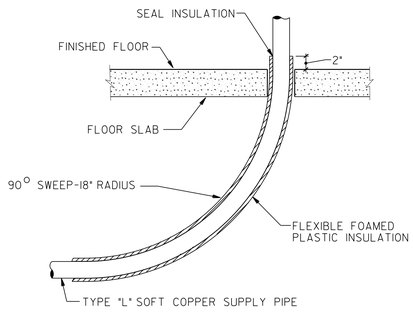
6 DETAIL-SUPPORT OF VERTICAL PIPES
NOT TO SCALE
(INSULATE CLAMP & RODS WHERE SPECIFIED)



7 NON-FREEZE WALL HYDRANT
NOT TO SCALE



8 PIPING UNDER FLOOR ABOVE GRADE
NOT TO SCALE



9 PIPING UNDER FLOOR SLAB ON GRADE
NOT TO SCALE

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REV.	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-06-18	100% REVIEW SET
	02-04-19	100% BID SET

DRAWN JDL
CHECKED WHD
JOB NO. 18004
DATE 10-02-18

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DETAILS - PLUMBING

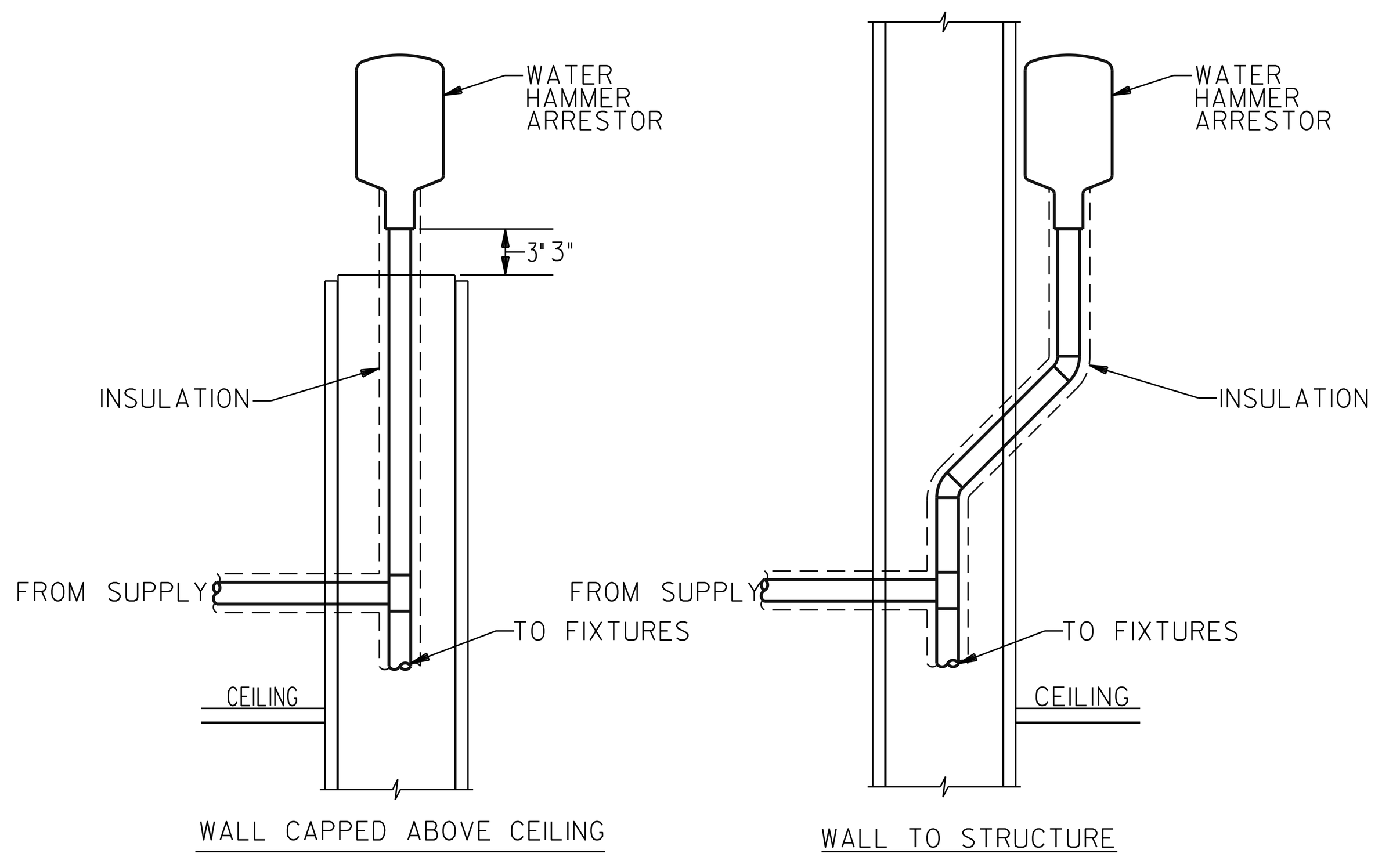
NORTH

P5.02

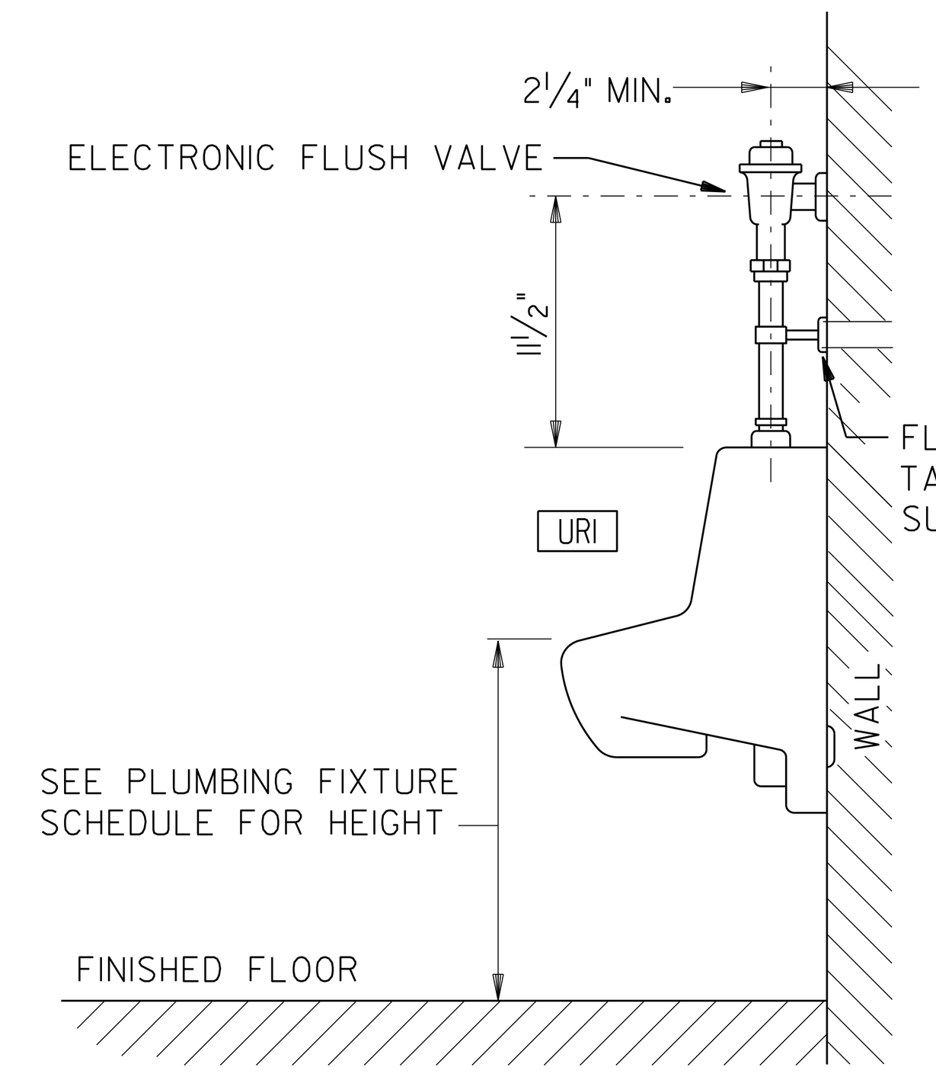
PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE IV\DRAWINGS\V42.01 NE

DGN FILE
P:\18054\18054p503.dgn

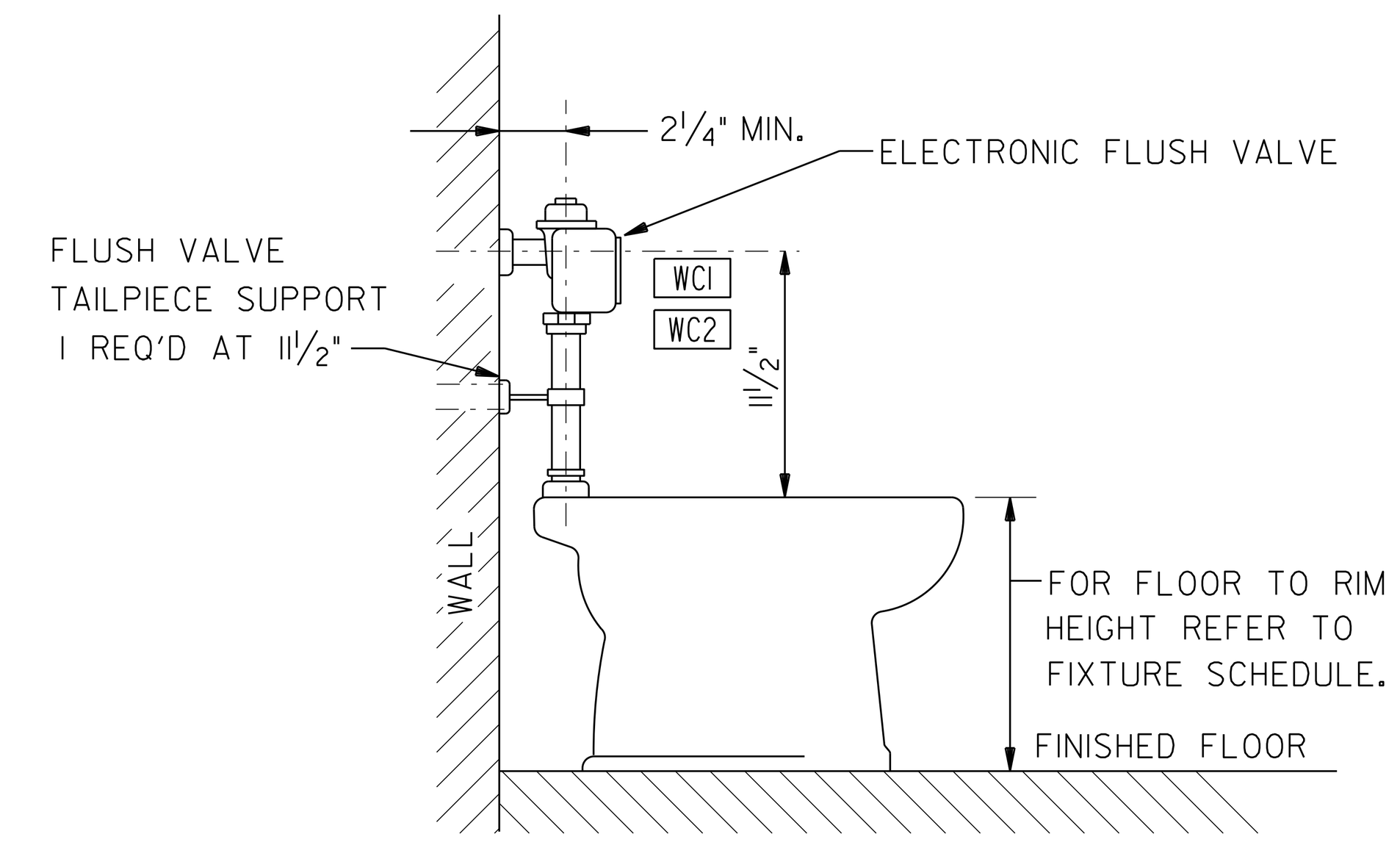
DATE PLOTTED
08-FEB-2019



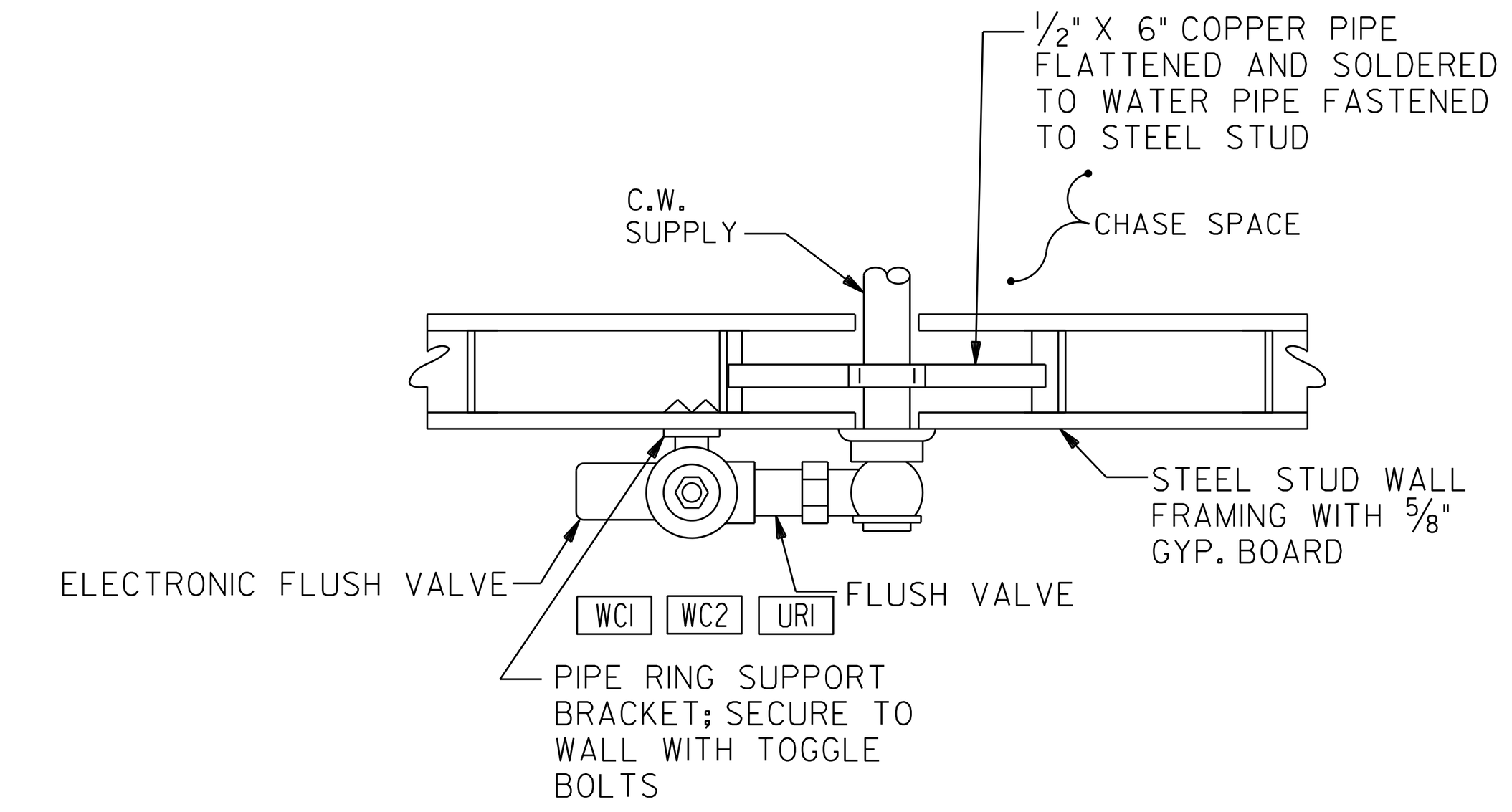
1 WATER HAMMER ARRESTOR ABOVE CEILING
NOT TO SCALE



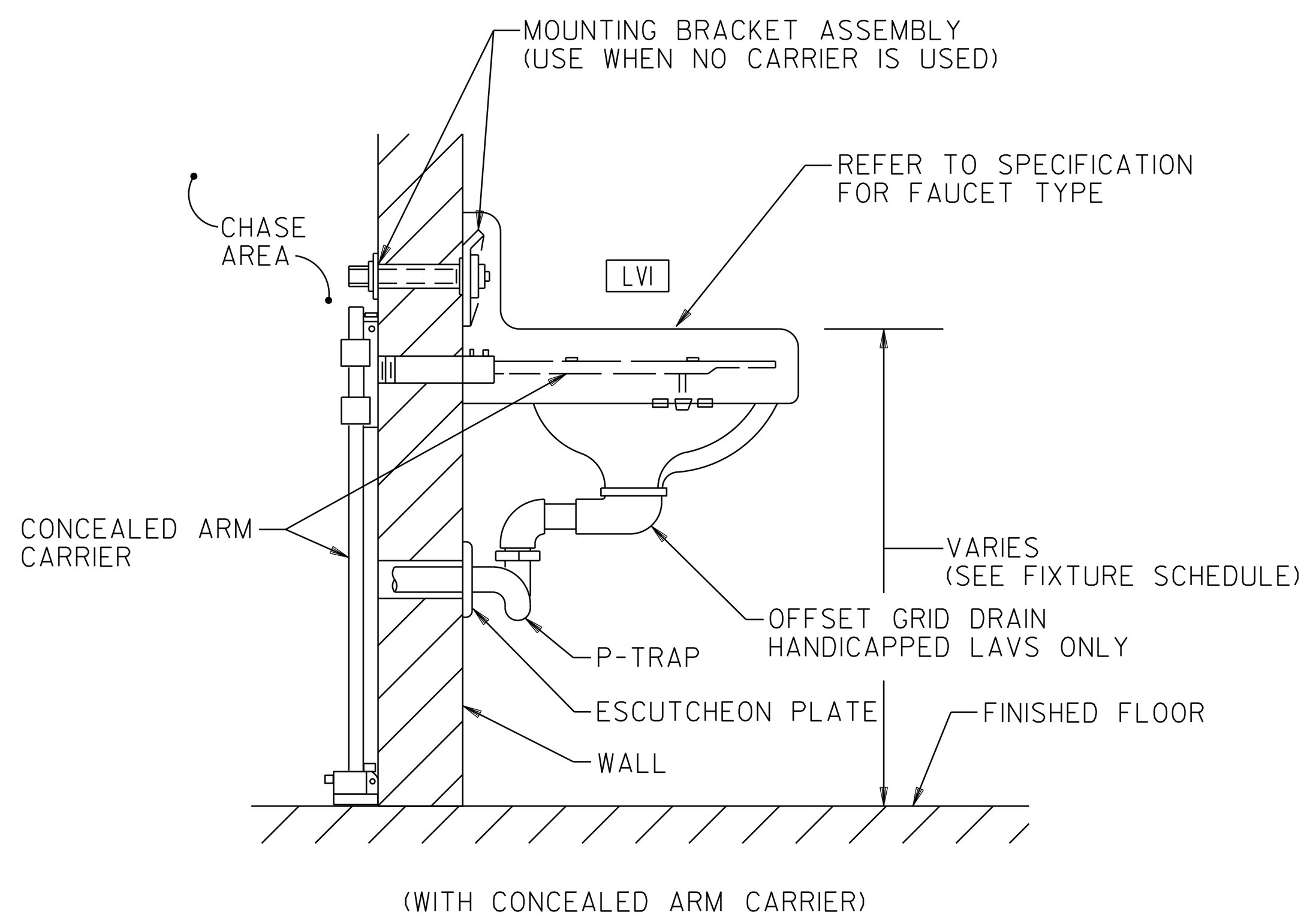
2 FLUSH VALVE SUPPORT
NOT TO SCALE



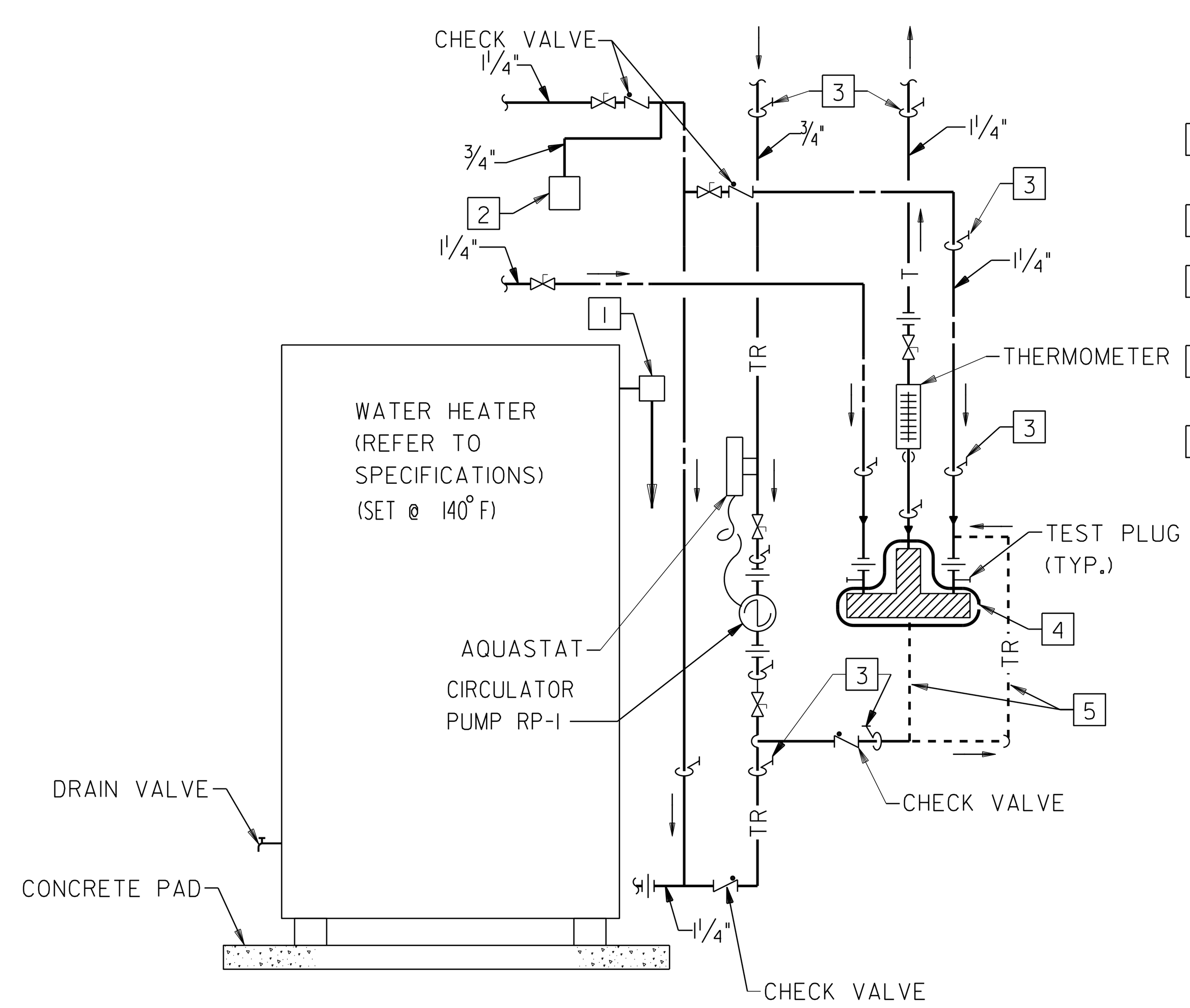
3 FLUSH VALVE SUPPORT
NOT TO SCALE



4 FLUSH VALVE ANCHOR
NOT TO SCALE



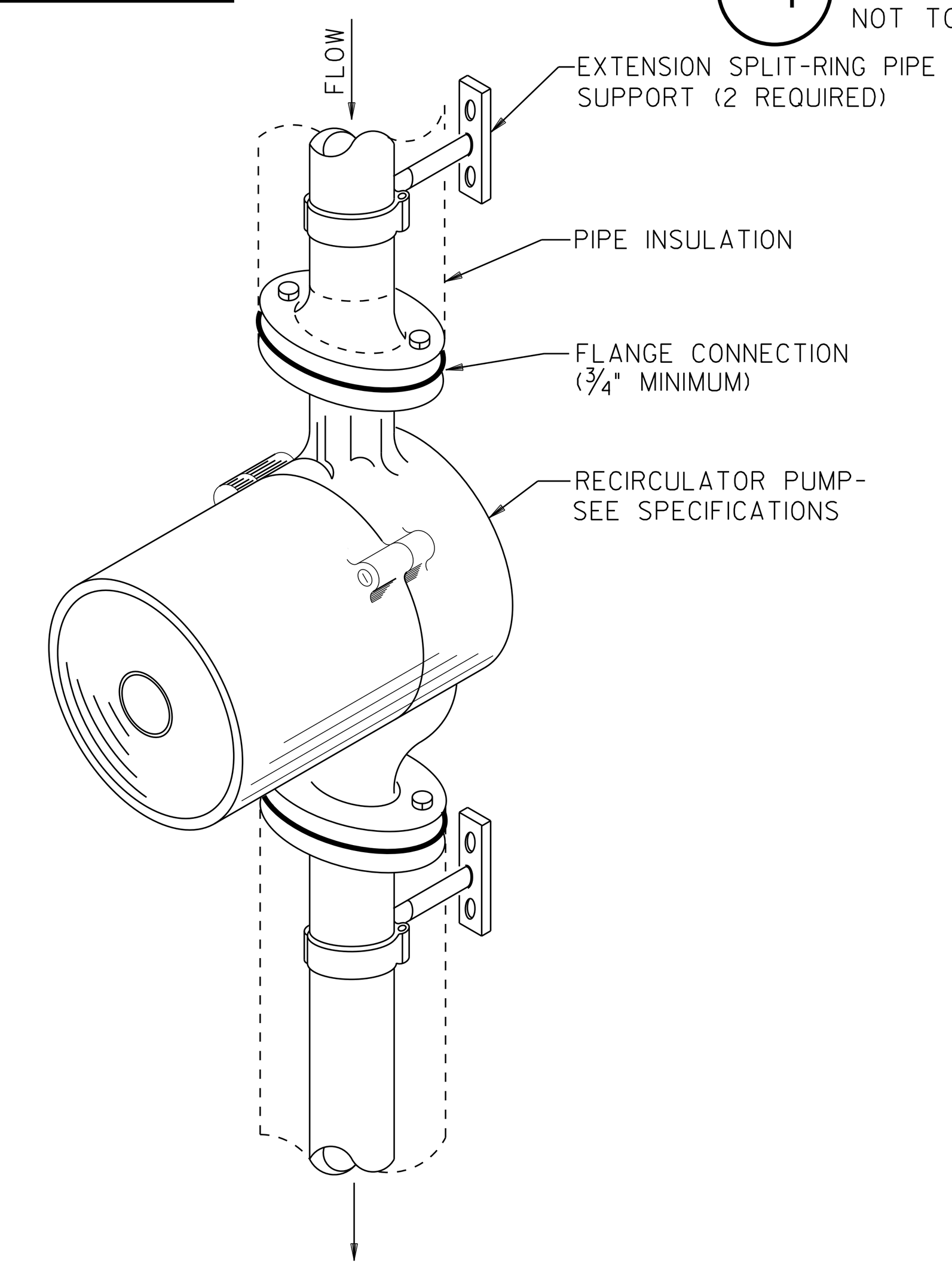
5 LAVATORY MOUNTING & P-TRAP LOCATION DETAIL
NOT TO SCALE



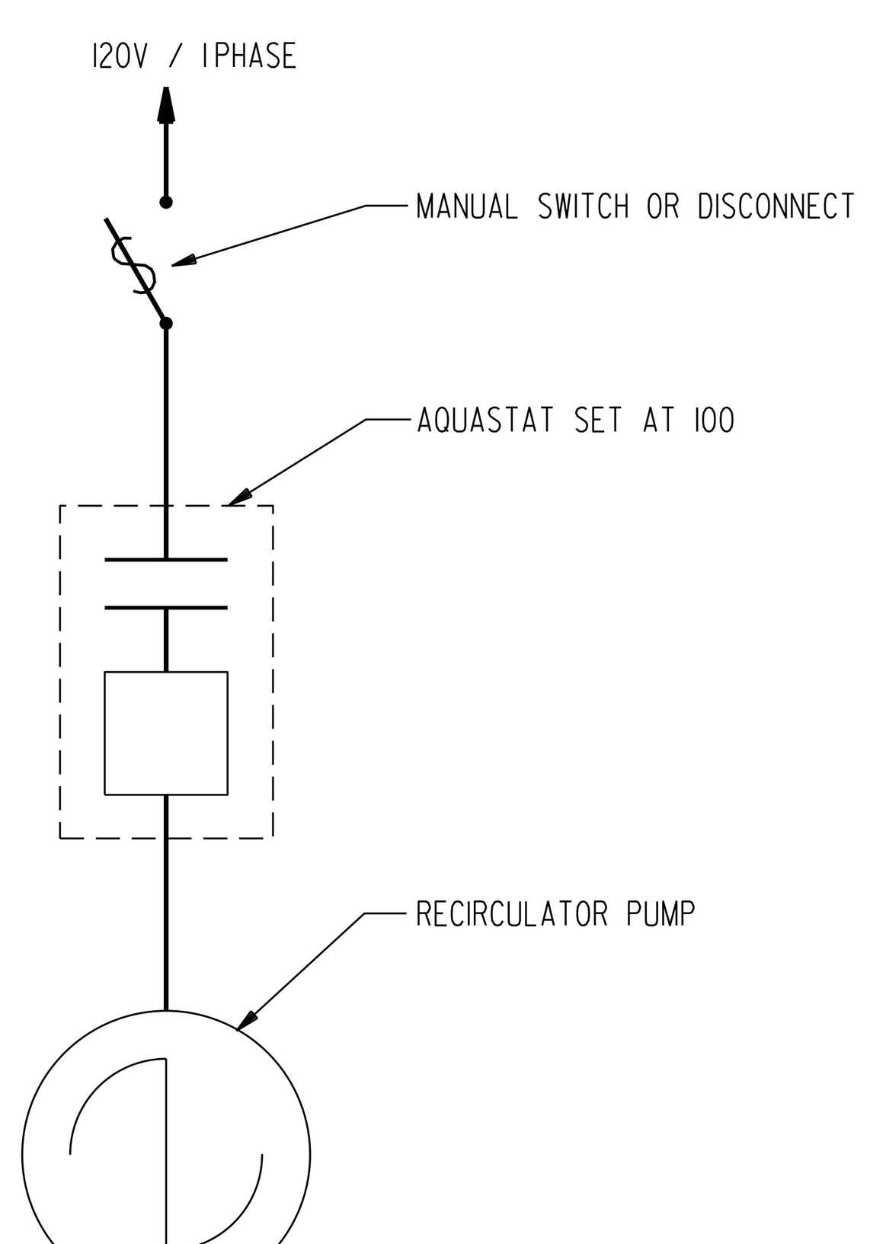
6 WATER HEATER (WH-1) PIPING SCHEMATIC
NOT TO SCALE

NOTES: (WATER HEATER ONLY)

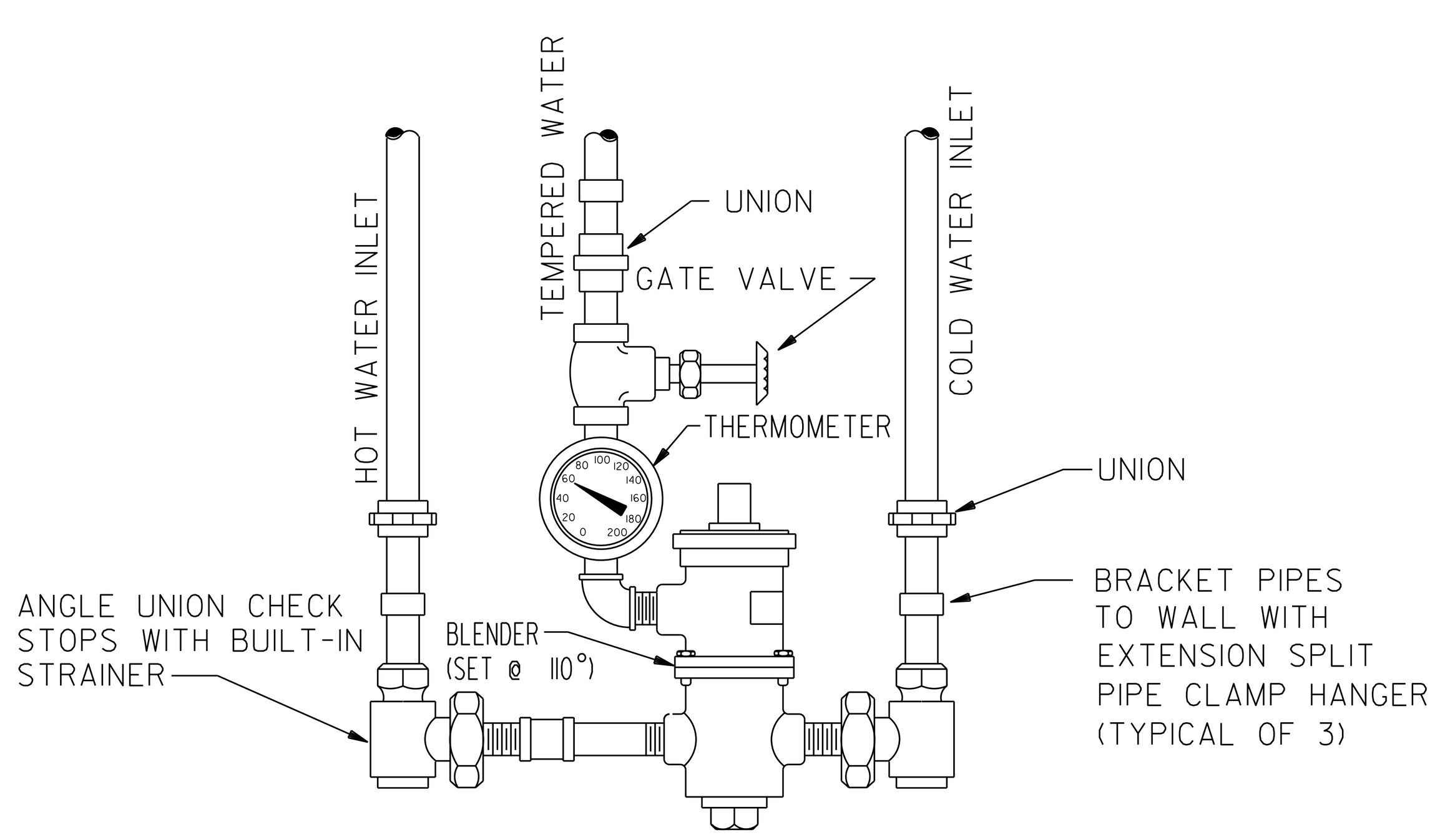
1. ASME PRESSURE/TEMPERATURE RELIEF VALVE. PIPE FULL SIZE TO FLOOR DRAIN.
2. 2.1 GALLON THERMAL EXPANSION TANK.
3. EXTENSION SPLIT PIPE CLAMP HANGER.(TYPICAL) REFER TO SPECIFICATION FOR SPACING.
4. THERMOSTATIC MIXING VALVE; SEE DETAIL THIS SHEET; INLETS 3/4"; OUTLET 3/4".
5. PIPE PER MANUFACTURER'S RECOMMENDATIONS.



7 DOMESTIC WATER RECIRCULATING PUMP MOUNTING
NOT TO SCALE



8 RECIRCULATOR PUMP WIRING DIAGRAM
NOT TO SCALE



9 THERMOSTATIC BLENDER DETAIL
NOT TO SCALE

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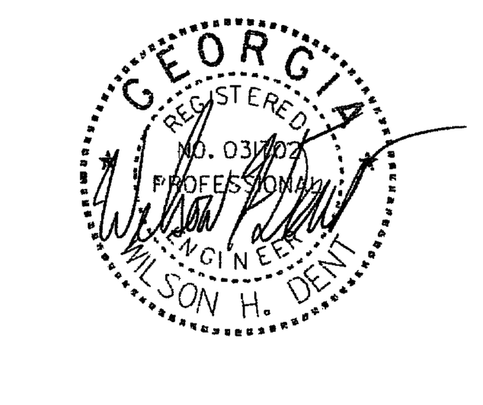

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ABBREVIATIONS

A	COMPRESSED AIR
AAV	AUTOMATIC AIR VENT
AD	AREA DRAIN/ACCESS DOOR
AE	ADJUSTABLE AIR EXTRACTOR
AF	AIR FOIL
-AFF	ABOVE FINISHED FLOOR
AV	ACID VENT
AVD	AUTOMATIC VOLUME DAMPER
AW	ACID WASTE
-AC	ABOVE CEILING
AH-	AIR HANDLING UNIT
BBD	BOILER BLOW DOWN
BE	BOTTOM ELEVATION
BOL	BOTTOM OF LINE (UNINSULATED)
BOD	BOTTOM OF DUCT
BP-	BOOSTER PUMP
BPD	BYPASS DAMPER
BTUH	BRITISH THERMAL UNIT PER HOUR
-BF	BELOW FLOOR
BFP	BACK FLOW PREVENTOR
C	CONDUIT
CC	COOLING COIL
CHR	CHILLED WATER RETURN
CHS	CHILLED WATER SUPPLY
CR	CONDENSER WATER RETURN
CS	CONDENSER WATER SUPPLY
CW	DOMESTIC COLD WATER
CAB	CABINET FAN
CF	CENTRIFICAL FAN
CFM	CUBIC FEET PER MINUTE
CFP	CHEMICAL FEED PUMP
CFT	CHEMICAL FEED TANK
CH	CABINET HEATER
CHR	CHILLER
CL	CENTER LINE
CO	CLEANOUT
CP	CHILLER PUMP
CPHB	CHROME PLATED HOSE BIBB
CT	COOLING TOWER
CU	COPPER
CV-	CONVECTOR
CV	VALVE COEFFICIENT
D	DRAIN
DDC	DIRECT DIGITAL CONTROL
DHW	DOMESTIC HOT WATER
DHR	DOMESTIC HOT WATER RECIRCULATING
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DPT	DIFFERENTIAL PRESSURE TRANSMITTER
DS	DOWN SPOUT
DSO	DOWN SPOUT OVER FLOW
DX	DIRECT EXCHANGE
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EAL	EXHAUST AIR LOUVER
EAT	ENTERING AIR TEMPERATURE
ECH	ELECTRIC CABINET HEATER
EDB	ENTERING DRY BULB
EWB	ENTERING WET BULB
ESP	END SUCTION PUMP
ESP	EXTERNAL STATIC PRESSURE
ELL	ELBOW
ET	EXPANSION TANK
EQT	EQUIPMENT TRAP SET
EUH	ELECTRIC UNIT HEATER
EWT	ENTERING WATER TEMPERATURE
EX	EXPANSION TANK LINE
EXT	EXTERNAL
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
F&BP	FACE & BYPASS
FC	FAN COIL UNIT
FD	FLOOR DRAIN
FF	FOULING FACTOR
FF-	FLY FAN
FF	FINISHED FLOOR
FF	FINAL FILTER
FFM	FIRE FLOW METER
FLEX	FLEXIBLE
FM	FIRE MAIN
FMS	FLOW METER STATION
FOF	FUEL OIL FLOW
FOR	FUEL OIL RETURN
FOV	FUEL OIL VENT
FOP	FUEL OIL PUMP
FP	FIRE PUMP
FP-	FAN POWERED
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FRT	FLOW RATE TRANSMITTER
FSD	FIRE/SMOKE DAMPER
FT	FEET
G	LOW PRESSURE GAS
GA	GAUGE
GPM	GALLONS PER MINUTE
GT	GREASE TRAP
GTH	GRAND TOTAL HEAT
H	HEIGHT
HC	HEATING COIL
HB	HOSE BIBB
HBT	HORIZONTAL BLOW THROUGH
HD	HUB DRAIN
HDT	HORIZONTAL DRAW THROUGH
HP	HORSEPOWER/HIGH PRESSURE
HPA	HIGH PRESSURE AIR
HPG	HIGH PRESSURE GAS
HPS	HIGH PRESSURE STEAM
HPWS	HEAT PUMP WATER SUPPLY
HPWR	HEAT PUMP WATER RETURN
HSC	HORIZONTAL SPLIT CASE
HWG	HOT WATER GENERATOR
HWR	HEATING WATER RETURN
HWS	HEATING WATER SUPPLY
ILC	IN-LINE CENTRIFICAL
IT	INTERVAL TIMER
IN	INCHES
INV	INVERT
JB	JUNCTION BOX
L	LENGTH
LR	LONG RADIUS
LAT	LEAVING AIR TEMPERATURE
LCP	LOCAL CONTROL PANEL
LDB	LEAVING DRY BULB
LN	LIQUID NITROGEN
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
LPS	LOW PRESSURE STEAM
MA	MIXED AIR
MAV	MANUAL AIR VENT
MVD	MANUAL VOLUME DAMPER
MAX	MAXIMUM
MBH	ONE THOUSAND BTUH PER HOUR
MCC	MOTOR CONTROL CENTER
MIN	MINIMUM
MH	MAN HOLE
MP	SUMP (MUD) PUMP
MPS	MEDIUM PRESSURE STEAM
MPR	MEDIUM PRESSURE RETURN
MTS	MEDIUM TEMPERATURE SUPPLY
MTR	MEDIUM TEMPERATURE RETURN
MUA	MAKE-UP AIR
MUW	MAKE-UP WATER
MZ	MULTIZONE
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
O2	OXYGEN
OA	OUTSIDE AIR
OAD	OUTSIDE AIR DAMPER
OAL	OUTSIDE AIR LOUVER
ODT	OUTDOOR TEMPERATURE
PC	PUMP CONDENSATE
PD	PRESSURE DROP
PRV	PRESSURE REDUCING VALVE
PWF	PROPELLER WALL FAN
R	REFRIGERANT
RA	RETURN AIR
RAD	RETURN AIR DAMPER
RAO	RETURN AIR OPENING
RAS	RELIEF AIR SUPPLY
RP	RECIRCULATING PUMP
RHG	REFRIGERANT HOT GAS
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUCTION
RD	ROOF DRAIN
RV	RELIEF VALVE
SR	SHORT RADIUS
SAN	SANITARY SEWER
SC	SILL COCK
SCD	SMOKE DAMPER
SCIM	STANDARD CUBIC INCHES PER MINUTE
SD	STORM DRAIN
SD	SMOKE DETECTOR
SDO	STORM DRAIN OVERFLOW
SF	SQUARE FEET
SG	SPECIALTY GAS
SHC	SENSIBLE HEAT CAPACITY
SP	SPRINKLER PIPE
SP	STAND PIPE
SP	SUMP PUMP
SP	STATIC PRESSURE
SPS	STATIC PRESSURE SENSOR
SST	SATURATED SUCTION TEMPERATURE
STA	STATION
STR	STRAINER
T	TEMPERED WATER
TR	TEMPERED WATER RETURN
TB	THRUST BLOCK
TE	TOP ELEVATION (UNINSULATED)
TP	CONDENSER WATER (TOWER) PUMP
TOS	TOP OF STRUCTURE
UC	UNDERCUT (DOOR - 3/4")
UG	UNDERGROUND
V	VENT
V-	VALVE
VAC	VACUUM PIPING
VAV	VARIABLE AIR VOLUME
VB	VACUUM BREAKER
VDT	VERTICAL DRAW THROUGH
VFD	VARIABLE FREQUENCY DRIVE
VT	VERTICAL TURBINE
VTR	VENT THROUGH ROOF
W	WIDTH
W	WASTE
WB	WET BULB
WG	WATER GAUGE
WH	WATER HEATER
WL	WATER LINE
WM	WATER METER
•C	DEGREES CENTIGRADE
•F	DEGREES FAHRENHEIT

SINGLE LINE DUCT LEGEND

Symbol	Description
	DUCT (SUPPLY, RETURN & EXHAUST)
	DUCT WITH DUCT LINER
	SUPPLY DUCT UP
	SUPPLY DUCT DOWN
	RETURN OR EXHAUST DUCT UP
	RETURN OR EXHAUST DUCT DOWN
R	DUCT RISE
DN	DUCT DOWN
	VOLUME DAMPER (MANUAL UNLESS INDICATED A.V.D.)
	TRANSITION
OR	DUCT TAKE-OFF (SEE SPEC. PERTAINING TO DEFLECTROLS)
	TRANSITION (FLAT ON TOP)
FOB	TRANSITION (FLAT ON BOTTOM)
T OR B	TRANSITION (TOP OR BOTTOM ONLY)
OR	SUPPLY CEILING DIFFUSER
	RETURN OR EXHAUST CEILING GRILLE
	SIDEWALL SUPPLY
	SIDEWALL RETURN
	FLEXIBLE CONNECTION (DUCT)
RAS	RELIEF AIR SUPPLY TO TOILET
12/10 SPLIT	DUCT SPLIT WITH SPLITTER DAMPER
	FLEX. DUCT WITH SCREW ON COLLAR, TAKE-OFF
	SQUARE ELBOW WITH TURNING VANES
	RADIUS ELBOW (SEE SPECS. PERTAINING TO TURNING VANES)
AVD	AUTOMATIC VOLUME DAMPER
SCD	SMOKE CONTROL DAMPER
FD/SCD	COMBINATION FIRE/SMOKE CONTROL DAMPER
FD	FIRE DAMPER
	FIRE DAMPER (FD)

HVAC LEGEND

Symbol	Description	Symbol	Description
xxØK OR xx/xx⊖K	MANF. DOUBLE WALL INSULATED DUCT		FLEX. DUCT CONN.
	DUCT/PLENUM w/LINER		DAMPER - END VIEW
	DAMPER - BLADE VIEW		ELBOW WITHOUT TURNING VANES
	FIRE DAMPER		DUCT SPLIT
	ELBOW WITH TURNING VANES		INSULATED FLEX. DUCT
	INSULATED FLEX. DUCT		DOOR GRILLE
24/12	DUCT SIZE FIRST DIMENSION IS SIDE SHOWN		C.F.M.
T	THERMOSTAT	1/M-4	REFERS TO DETAIL OR PLAN ON SHEET M-1.
TG	THERMOSTAT w/GUARD		GATE VALVE THREADED & FLANGED
I.T.	INTERVAL TIMER		BUTTERFLY VALVE THREADED & FLANGED
	BALANCE VALVE THREADED & FLANGED	M	2-WAY MOTORIZED VALVE
	GLOBE VALVE THREADED & FLANGED		RELIEF VALVE
	CHECK VALVE THREADED & FLANGED		CONTROL VALVE PLAN VIEW
M	3-WAY MIXING VALVE		FLANGED UNION
	SOLENOID VALVE		BRANCH OUT BOTTOM
	GATE VALVE WITH 3/4" HOSE END		TEE OUT BOTTOM
	UNION		ELBOW DOWN
	BRANCH OUT TOP		THERMOMETER
	TEE OUT TOP		ECCENTRIC REDUCER
	ELBOW UP		PIPE SLEEVE
	GAUGE TAPPING		MANUAL AIR VENT
	GAUGE WITH TAPPING		BLIND FLANGE
	CONCENTRIC REDUCER		PIPE SOCKET WELL
	PIPE ANCHOR		COMBINATION STARTER
	PIPE CAP		PIPE TEST PLUG
AAV	AUTOMATIC AIR VENT		ANNULAR ELEMENT FLOW STATION
	STRAINER	CHS	CHILLED WATER FLOW
	FLEX. PIPE CONN.	CHR	CHILLED WATER RETURN
	BACKFLOW PREVENTER		HOT WATER DOMESTIC
	FLOW INDICATOR BALANCER	CS	CONDENSER WATER FLOW
HWS	HEATING WATER FLOW	CR	CONDENSER WATER RETURN
HWR	HEATING WATER RETURN		STARTER
	COLD WATER DOMESTIC	SPS	STATIC PRESSURE SENSOR
G	NATURAL GAS	SD	SMOKE DETECTOR
D	DRAIN		POINT OF CONNECTION

DESIGN CONDITIONS

	SUMMER	WINTER
OUTSIDE	95°F DB/78°F WB	21°F DB
INSIDE	75°F DB/55% RH	72°F DB

FAN SCHEDULE

MARK	TYPE	CFM	S.P. IN W.G.	MIN. FAN DIA. (IN)	MAX. RPM	MAX. TS.	DRIVE	MOTOR HP	REMARKS
EF-1	ILC	1295	0.55	18.0	900	4035	BELT	1/4	
EF-2	CAB	75	0.3	7.6	900	1650	DIRECT	60W	
SF-1	ILC	1000	1.0	18.0	1100	5125	BELT	1/2	
SF-2	ILC	760	1.0	16.5	1200	5125	BELT	1/3	
SF-3	ILC	880	1.0	18.0	1100	5075	BELT	1/2	
XF-1	CAB	500	0.2	8.0	650	1360	DIRECT	145W	

SPLIT SYSTEM HEAT PUMP SCHEDULE

MARK		TOTAL CFM	EXTERNAL S.P. (IN W.G.)	TOTAL MBH	SENSIBLE MBH	REVERSE CYCLE HEATING MBH	Kw ELEC. HEAT	LAYOUT BASIS CARRIER		REMARKS
INDOOR	OUTDOOR							INDOOR	OUTDOOR	
FCU-1	HP-1	2,000	0.5	54.3	44.9	55.0	10	25HCE	FV4C	
FCU-2	HP-2	1,225	0.5	40.1	28.2	41.0	10	25HCE	FB4C	
FCU-3	HP-3	1,225	0.5	40.1	28.2	41.0	10	25HCE	FB4C	
FCU-4A	HP-4A	800	0.5	22.2	16.9	22.2	5	25HCE	FB4C	
FCU-4B	HP-4B	800	0.5	22.2	16.9	22.2	5	25HCE	FB4C	
FCU-5	HP-5	700	0.5	21.8	15.8	22.0	5	25HCE	FB4C	
FCU-6	HP-6	1,225	0.5	40.1	28.2	41.0	10	25HCE	FB4C	
FCU-7	HP-7	1,000	0.5	28.4	21.4	28.5	10	25HCE	FB4C	
FCU-8	HP-8	1,000	0.5	28.4	21.4	28.5	10	25HCE	FB4C	
FCU-9	HP-9	1,200	0.5	33.0	24.4	33.0	10	25HCE	FB4C	
FCU-10	HP-10	1,400	0.5	54.3	44.9	55.0	10	25HCE	FB4C	

DUCTLESS SPLIT SYSTEM SCHEDULE

INDOOR UNIT MARK	OUTDOOR UNIT MARK	MIN. COOLING MBH	MIN. EER	MITSUBISHI MODEL INDOOR	MITSUBISHI MODEL OUTDOOR
DAC-1	DCU-1	24	17	PKA-A24	PUY-A24
DAC-2	DCU-2	24	17	PKA-A24	PUY-A24
DAC-3	DCU-3	24	17	PKA-A24	PUY-A24

GRILLE SCHEDULE

MARK	TYPE	TITUS	SIZE FACE	SIZE NECK	FINISH	NECK VOLUME DAMPER	RUNOUT (1)	REMARKS
A	RLF	TDC	18"x18"	6"Ø	OFFWHITE	NO	6"Ø	(2)
B	RLF	TDC	18"x18"	8"Ø	OFFWHITE	NO	8"Ø	(2)
C	RLF	TDC	18"x18"	10"Ø	OFFWHITE	NO	10"Ø	(2)
D	RLF	TDC	18"x18"	12"Ø	OFFWHITE	NO	12"Ø	(2)
E	NBW	1700L	30"x6"	30"x6"	OFFWHITE	YES	30"x6"	
F	CGC	50F	12"x24"	---	OFFWHITE	NO	---	
G	CGC	50F	24"x24"	---	OFFWHITE	NO	---	
H	CGC	50F	24"x24"	---	OFFWHITE	NO	6"Ø	
J	WRAG	350 RL	6"x6"	6"x6"	OFFWHITE	NO	6"x6"	
K	CSDI	ML38	48"2 SLOT	12"Ø	OFFWHITE	NO	12"Ø	(3)

NOTES:
1. RUNOUT SIZE UNLESS OTHERWISE NOTED.
2. PROVIDE 24"X24" MODULE FOR LAYIN CEILING.
3. PROVIDE FACTORY INSULATED PLENUM.

FILTER SCHEDULE

MARK	TYPE	CFM	MIN AREA SQ FT	HOUSING	REMARKS
F-1	ESNF	1000	1	3P GLIDE PACK 1x1	
F-2	ESNF	760	1	3P GLIDE PACK 1x1	
F-3	ESNF	880	1	3P GLIDE PACK 1x1	

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REV.	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-06-18	100% REVIEW SET
	02-04-19	100% BID SET

DRAWN WSH
CHECKED WSH
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

ABBREVIATIONS, LEGENDS, & SCHEDULES - HVAC

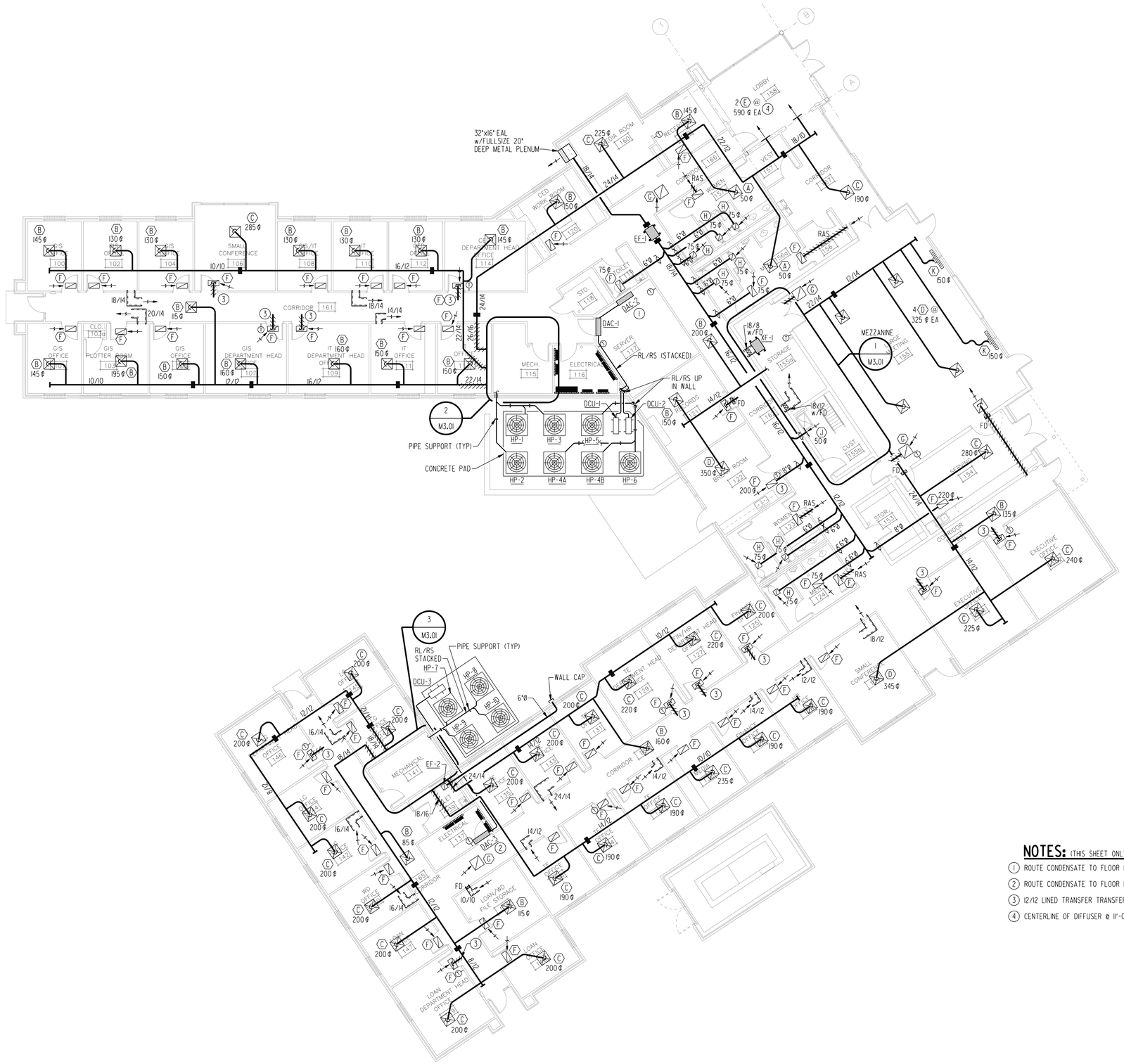
NORTH

M0.01

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE

DGN FILE
P:/18054/18054m201.dgn

DATE PLOTTED
08-FEB-2019



1 FLOOR PLAN - HVAC

SCALE: $\frac{1}{8}$" = 1'-0"

8 0 4 8 16

NOTES: (THIS SHEET ONLY)

① ROUTE CONDENSATE TO FLOOR DRAIN IN MECH 115.
② ROUTE CONDENSATE TO FLOOR DRAIN IN MECH 141.
③ 12/12 LINED TRANSFER TRANSFER BOOT.
④ CENTERLINE OF DIFFUSER @ 11'-0" AFF.

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE

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sgrc
SOUTHERN GEORGIA
REGIONAL COMMISSION

NO. 040061
STEPHEN HOLLOWAY

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SOUTHERN
GEORGIA
REGIONAL
COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

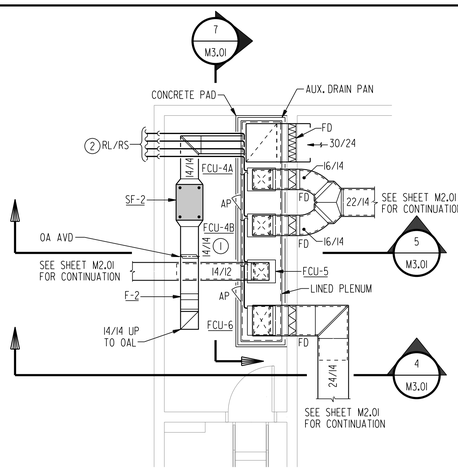
FLOOR PLAN -
HVAC

NORTH

M2.01

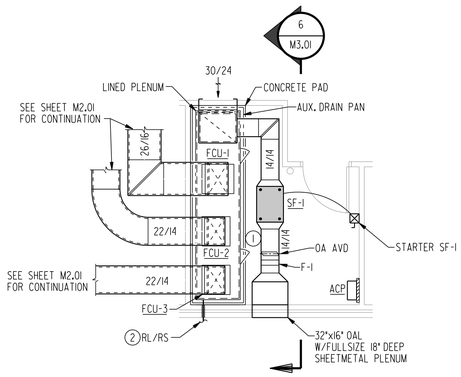
DGN FILE
P:\18054\18054m30i.dgn

DATE PLOTTED
08-FEB-2019



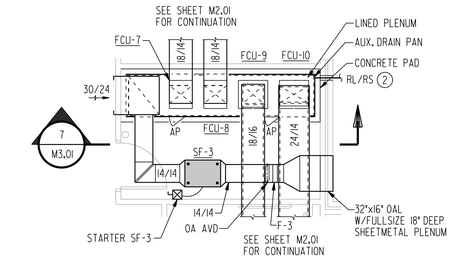
1 LARGE SCALE - MECHANICAL MEZZANINE 200 - HVAC

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



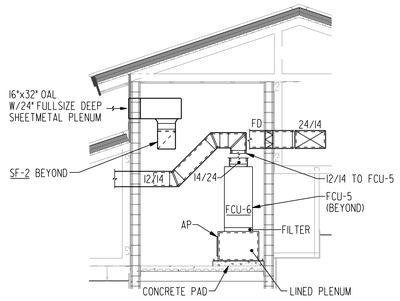
2 LARGE SCALE - MECHANICAL ROOM 115 - HVAC

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



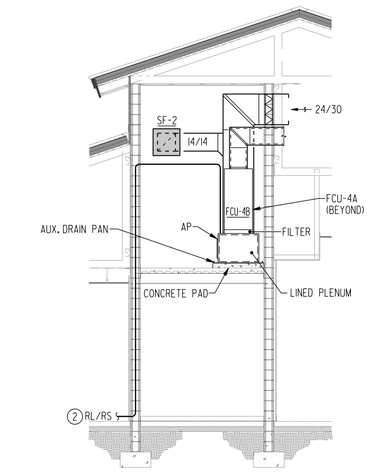
3 LARGE SCALE - MECHANICAL ROOM 141 - HVAC

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



4 SECTION @ MEZZANINE - HVAC

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

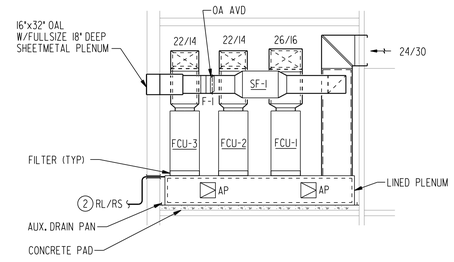


5 SECTION @ MEZZANINE - HVAC

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

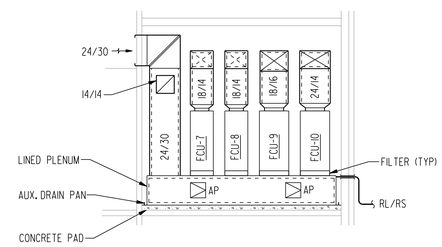
NOTES: (THIS SHEET ONLY)

1. ROUTE CONDENSATE TO NEAREST FLOOR DRAIN REFER TO PLUMBING DRAWING FOR EXACT LOCATION.
2. SIZE RL/RS PER MANUFACTURERS RECOMMENDATIONS.



6 SECTION @ MEZZANINE - HVAC

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



7 SECTION @ MEZZANINE - HVAC

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

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sgrc
SOUTHERN GEORGIA
REGIONAL COMMISSION

GEORGIA REGISTERED NO. 040508 PROFESSIONAL ENGINEER STEPHEN HOLOAN

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VALDOSTA, GA

SCALE: AS SHOWN

LARGE SCALE PLANS - HVAC

NORTH

M3.01

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE I\DRAWINGS\A2.01 NE

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P:\18054\18054m50i.dgn
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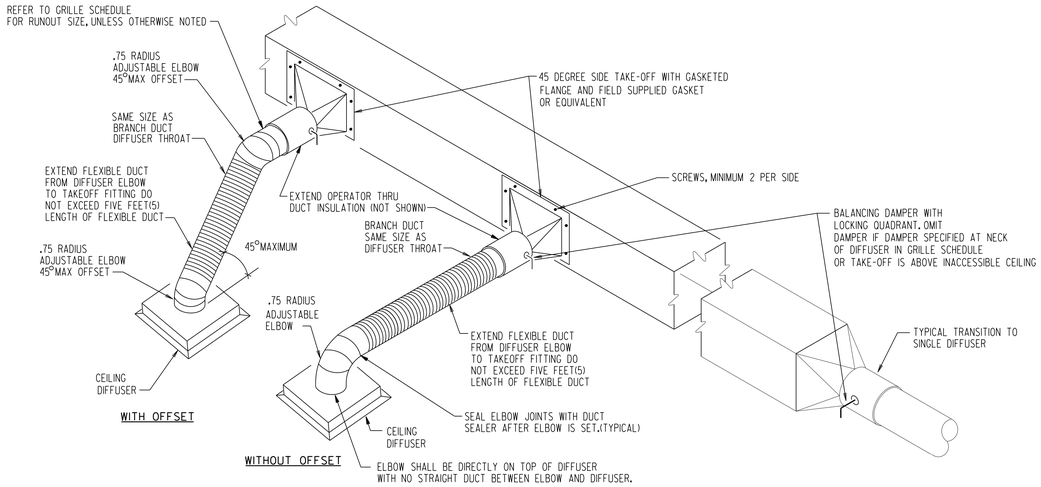
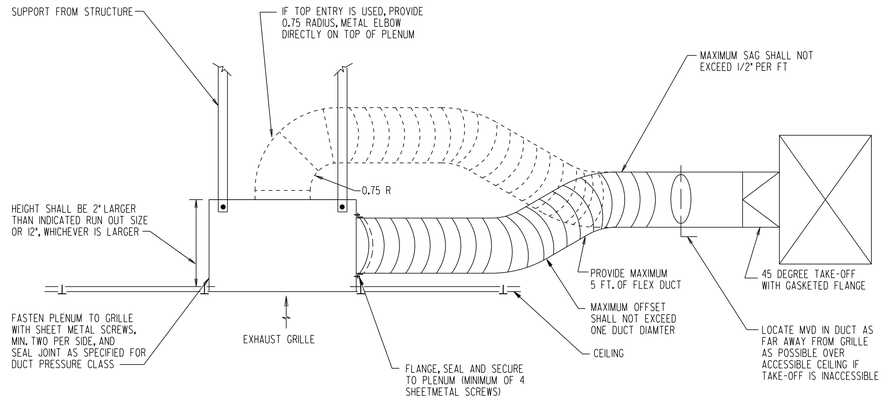
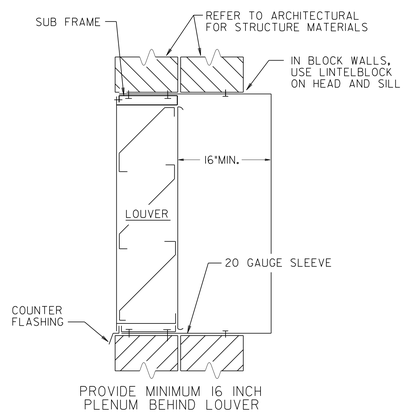


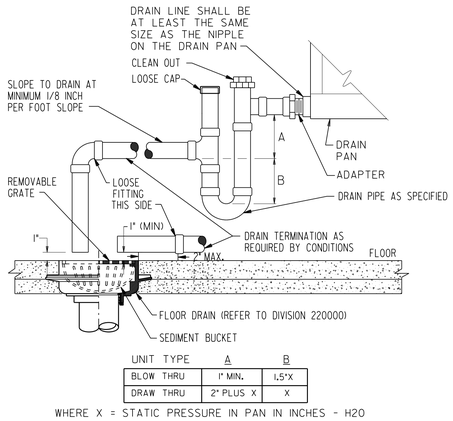
1 DIFFUSER RUNOUT DUCT TAKEOFF
NOT TO SCALE



2 DETAIL AT TYPICAL GENERAL EXHAUST GRILLE - UNLINED
NOT TO SCALE



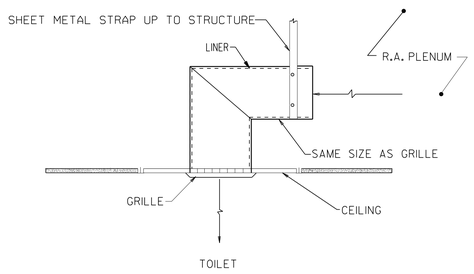
3 WALL MOUNTED LOUVER WITH PLENUM
NOT TO SCALE



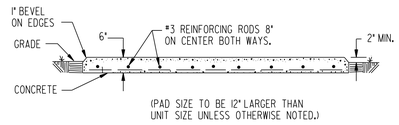
UNIT TYPE	A	B
BLOW THRU	1" MIN.	1.5"X
DRAW THRU	2" PLUS X	X

WHERE X = STATIC PRESSURE IN PAN IN INCHES - H2O

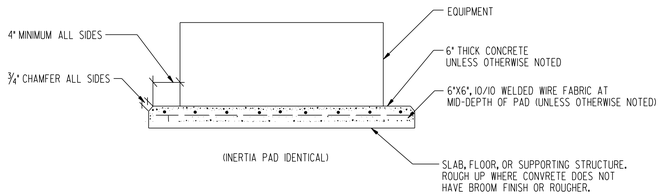
4 AIR HANDLING UNIT DRAIN TRAP
NOT TO SCALE



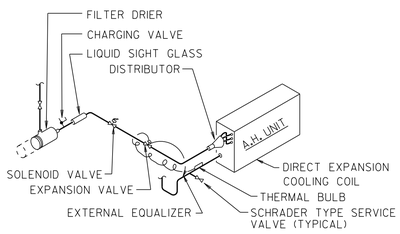
5 RELIEF AIR SUPPLY TO TOILET (RAS)
NOT TO SCALE



6 CONCRETE PAD
NOT TO SCALE



7 HOUSEKEEPING PAD
NOT TO SCALE



8 REFRIGERANT PIPING
NOT TO SCALE

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SOUTHERN GEORGIA
REGIONAL COMMISSION

GEORGIA REGISTERED NO. 040001 PROFESSIONAL ENGINEER STEPHEN HOLOMAN

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SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

DETAILS - HVAC

NORTH

M5.01

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE I\DRAWINGS\A2.01 NE

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DATE PLOTTED
08-FEB-2019

LIGHTING FIXTURE SCHEDULE

MARK	LAMPS	VOLT.	FIXTURE TYPE-SEE SPECIFICATIONS	MOUNTING	REMARKS
A	5000 LUMENS 80 CRI 4000K LED	120	RECESSED LED 2X4 DIRECT/INDIRECT FIXTURE. RIBBED ACRYLIC OR FROSTED ACRYLIC LENS. WHITE ENAMEL GLOSS HOUSING/REFLECTOR. 22 GAGE STEEL HOUSING. MFRS AND MODELS: H. E. WILLIAMS DI SERIES, METALUX CRUZE CZ24 SERIES, LITHONIA VTL SERIES, SIMKAR ALETRA SERIES, LSI PEC SERIES, OR APPROVED EQUAL	GRID	STATIC 0-10V DIMMING
B	5000 LUMENS 80 CRI 4000K LED	120	RECESSED LED 2X4 DIRECT/INDIRECT FIXTURE. RIBBED ACRYLIC OR FROSTED ACRYLIC LENS. WHITE ENAMEL GLOSS HOUSING/REFLECTOR. 22 GAGE STEEL HOUSING. MFRS AND MODELS: H. E. WILLIAMS DI SERIES, METALUX CRUZE CZ24 SERIES, LITHONIA VTL SERIES, SIMKAR ALETRA SERIES, LSI PEC SERIES, OR APPROVED EQUAL	GYPBOARD FLANGE	STATIC 0-10V DIMMING
C	5000 LUMENS 80 CRI 4000K LED	120	RECESSED LED 2X4 DIRECT/INDIRECT FIXTURE. RIBBED ACRYLIC OR FROSTED ACRYLIC LENS. WHITE ENAMEL GLOSS HOUSING/REFLECTOR. 22 GAGE STEEL HOUSING. MFRS AND MODELS: H. E. WILLIAMS DI SERIES, METALUX CRUZE CZ24 SERIES, LITHONIA VTL SERIES, SIMKAR ALETRA SERIES, LSI PEC SERIES, OR APPROVED EQUAL	GRID	STATIC 0-10V DIMMING
D	1000 LUMENS 80 CRI 4000K LED	120	6-INCH APETURE COMMERCIAL DOWN LIGHT, WHITE FLANGE SEMI SPECULAR REFLECTOR. UL LISTED. MFRS: PHILIPS, PRESCOLITE, HUBBELL, ACUITY/LITHONIA, EATON/COOPER, OMEGA, PORTFOLIO, OR APPROVED EQUAL	RECESSED	
DEM	1000 LUMENS 80 CRI 4000K LED	120	6-INCH APETURE COMMERCIAL DOWN LIGHT, DAMP LOCATION LISTED. SEMI SPECULAR REFLECTOR. TRIM FINISH SHALL BE METALLIC, TO BE SELECTED BY DESIGN PROFESSIONAL DURING SUBMITTALS. PROVIDE ORIGINAL OF COLOR PALATTE TO ARCHITECT. MFRS: PRESCOLITE, PHILIPS, HUBBELL, ACUITY/LITHONIA, OMEGA, EATON/COOPER, PORTFOLIO, OR APPROVED EQUAL	RECESSED IN ACM PANELS	WITH BATTERY BACKUP
DEC	1000 LUMENS 80 CRI 4000K LED	120	6-INCH APETURE COMMERCIAL DOWN LIGHT, DAMP LOCATION LISTED. SEMI SPECULAR REFLECTOR. TRIM FINISH SHALL BE PAINTED, COLOR TO BE SELECTED BY DESIGN PROFESSIONAL DURING SUBMITTALS. PROVIDE ORIGINAL OF COLOR PALATTE TO ARCHITECT. MFRS: PRESCOLITE, PHILIPS, HUBBELL, ACUITY/LITHONIA, OMEGA, EATON/COOPER, PORTFOLIO, OR APPROVED EQUAL	RECESSED IN EFIS	WITH BATTERY BACKUP
DE	1000 LUMENS 80 CRI 4000K LED	120	6-INCH APETURE COMMERCIAL DOWN LIGHT, WHITE FLANGE SEMI SPECULAR REFLECTOR. UL LISTED. MFRS: PHILIPS, PRESCOLITE, HUBBELL, ACUITY/LITHONIA, EATON/COOPER, OMEGA, PORTFOLIO, OR APPROVED EQUAL	RECESSED	WITH BATTERY BACKUP
F	SEE DESCRIPT. LED	120	EXTERIOR ARCHITECTURAL LED WALL SCONCE WET LOCATION LISTED. FINISH TO BE SELECTED FROM STANDARD FINISHES DURING SUBMITTAL. WITH INTEGRAL PHOTOCELL. MRFS AND MODELS: LITHONIA WSR-LED2-10A700/40K-SR3-277-PE-ELCW MCGRAW EDISON ISC-E01-LED-E1-BL3XX7050-P-BBBXX-LCF PHILIPS GARDCO 104L-16-650-NW-G1-3-EBPC-277-PCB OR APPROVED EQUAL.	WALL MOUNT SEE PLANS FOR HEIGHT.	
FE	SEE DESCRIPT. LED	120	EXTERIOR ARCHITECTURAL LED WALL SCONCE WET LOCATION LISTED. FINISH TO BE SELECTED FROM STANDARD FINISHES DURING SUBMITTAL. WITH INTEGRAL PHOTOCELL AND INTEGRAL BATTERY BACKUP MRFS AND MODELS: LITHONIA WSR-LED2-10A700/40K-SR3-277-PE-ELCW MCGRAW EDISON ISC-E01-LED-E1-BL3XX7050-P-BBBXX-LCF PHILIPS GARDCO 104L-16-650-NW-G1-3-EBPC-277-PCB OR APPROVED EQUAL.	WALL MOUNT SEE PLANS FOR HEIGHT.	
G	4000 LUMENS 80 CRI 4000K LED	120	46-48" GENERAL PURPOSE LED STRIP FIXTURE. WHITE FINISH. STEEL HOUSING. WHITE STEEL WIREGUARD. DIFFUSE LENS. MFRS AND MODELS: METALUX SWLED SERIES LITHONIA ZL1N SERIES; HUBBELL-COLUMBIA LCL SERIES. PHILLIPS FLUXSTREAM SERIES OR APPROVED EQUAL	SURFACE	
H	1000 LUMENS 80 CRI 4000K LED	120	4" APETURE COMMERICAL RECESSED LED DOWNLIGHT LENSED. SPECULAR CLEAR REFLECTOR. WHITE FLANGE. UL LISTED. MFRS: PRESCOLITE, PHILIPS, HUBBELL, OMEGA, ACUITY/LITHONIA, EATON/COOPER, PORTFOLIO, OR APPROVED EQUAL	RECESSED	0-10V DIMMING
M	2400 LUMENS 80 CRI 4000K LED	120	8" DIAMETER LED PENDANT. CYLINDER HEIGHT 16"-17". SEAMLESS HEAVY GAUGE ALUMINUM CYLINDER BODY. POWDERCOAT PAINT FINISH. COLOR TO BE SELECTED BY DESIGN PROFESSIONAL DURING SUBMITTALS. PROVIDE ORIGINAL OF COLOR PALATTE TO ARCHITECT. MOUNTING STEMS SHALL BE CUSTOM-LENGTHS. SEE SHEET A4.01 AND DETAIL 1/A9.06. PROVIDE STEM LENGTHS TO ACHIEVE BOTTOM ELEVATIONS INDICATED. WIRING SHALL BE CONCEALED INSIDE STEM. BASIS OF DESIGN: PRESCOLITE LITEFORMS LCC8LED P 24L 40K 8 WFL45 OR APPROVED EQUAL	PENDANT STEM MOUNTED	CONCEAL WIRING INSIDE STEM
P		120	VERTICAL LINEAR FIXTURE. ACRYLIC LENS. BAR STOCK ALUMINUM CONSTRUCTION. NO CROSS MEMBERS ON LENS. SOLID ALUMINUM ENDPLATES. UL LISTED WET LOCATION. 24" H, 8.5" W, 4" D. COLOR TO BE SELECTED BY DESIGN PROFESSIONAL DURING SUBMITTALS. PROVIDE ORGINAL OF COLOR PALATTE TO ARCHITECT. BASIS OF DESIGN: SCOTT ARCHITECTURAL LIGHTING S9361 L16-35K TBD EML OR APPROVED EQUAL	WALL MOUNTED	WITH BATTERY BACKUP
S	3200 LUMENS 4000K	120	2X2 RECESSED, SAME FAMILY AND APPEARANCE AS TYPE A	GRID	
X-1	LED	120	SINGLE SIDED DIE CAST ALUMINUM EXIT SIGN BATTERY BACKUP, 90 MINUTES. RED LETTERS. BLACK TRIM. MFRS: ACUITY BRANDS, EATON, HUBBELL, PHILIPS, EVENLITE, OR APPROVED EQUAL	UNIVERSAL	
X-2	LED	120	DOUBLE SIDED DIE CAST ALUMINUM EXIT SIGN BATTERY BACKUP, 90 MINUTES. RED LETTERS. BLACK TRIM. MFRS: ACUITY BRANDS, EATON, HUBBELL, PHILIPS, EVENLITE, OR APPROVED EQUAL	UNIVERSAL	

ELECTRICAL LEGEND

LIGHTING FIXTURES

	FLUORESCENT ON "NORMAL" POWER		(LIFE SAFETY EGRESS FIXTURE)
			(UNSWITCHED NIGHT LIGHT FIXTURE)
			(WITH INTEGRAL BATTERY PACK)
	CEILING MOUNTED FIXTURE		EXIT LIGHT (ARROWS AS SHOWN)
	WALL MOUNTED FIXTURE		EMERGENCY BATTERY PACK-WALL
	TRACK LIGHTS: QUANTITY OF HEADS AS SHOWN		EMERGENCY BATTERY PACK-CEILING

LIGHTING CONTROL

S	SINGLE POLE SWITCH		RELAY PANEL
S2	TWO POLE SWITCH	U	CEILING MOUNTED ULTRASONIC OCCUPANCY SENSOR AND RELAY
S3	THREE WAY SWITCH		
S4	FOUR WAY SWITCH		CEILING/WALL MOUNTED INFRARED OCCUPANCY SENSOR AND RELAY
SD	DIMMER SWITCH		
SK	KEYED SWITCH	UI	CEILING MOUNTED COMBINATION INFRARED/ ULTRASONIC OCCUPANCY SENSOR AND RELAY
SP	"P" INDICATES PILOT LIGHT		
SI	WALL MOUNTED SWITCH INFRARED OCCUPANCY SENSOR	SP	SWITCHING PHOTOCELL (INTERIOR TYPE) F.C. NOTED
		DP	DIMMING PHOTOCELL (INTERIOR TYPE)
SL	LOW VOLTAGE SWITCH	PE	EXTERIOR TYPE PHOTO ELECTRIC SWITCH

RECEPTACLES

	DUPLEX - NORMAL	EWC	ELECTRIC WATER COOLER OUTLET
	QUADRAPLEX - NORMAL	WP	WEATHER PROOF OUTLET
	GFI DUPLEX - NORMAL	H	HORIZONTALLY MOUNTED
	GFI QUADRAPLEX - NORMAL		SPECIAL - TYPE NOTED OR SHOWN
	FLOOR OUTLET DUPLEX - NORMAL		CEILING SPECIAL - TYPE NOTED OR SHOWN
	FLOOR OUTLET QUADRAPLEX - NORMAL		MULTI-OUTLET ASSEMBLY
	CEILING OUTLET DUPLEX - NORMAL		CLOCK ON MASTER SYSTEM
			CLOCK OUTLET

CIRCUITS

	ONE CROSSMARK PER WIRE (3 WIRE UNLESS SHOWN)		RACEWAY EXPOSED
			FLEXIBLE RACEWAY
	RACEWAY CONCEALED IN CEILING OR WALL		CONDUIT UP
			CONDUIT DOWN
	RACEWAY IN GROUND, SLAB, OR UNDER FLOOR		CAP
			CONNECTION TO EQUIPMENT
	HOMERUN- ONE ARROW PER CIRCUIT		

GENERAL EQUIPMENT

	PANELBOARD-250 VAC OR LESS SURFACE MOUNTED		BACKBOARD
			SURGE SUPPRESSOR
	PANELBOARD-250 VAC OR LESS RECESSED	J	JUNCTION BOX - WALL/CEILING/FLOOR
			MOTOR
	PANELBOARD-OVER 250 VAC SURFACE MOUNTED		EXHAUST FAN
			COMBINATION STARTER AND DISCONNECT
	PANELBOARD-OVER 250 VAC RECESSED		MANUAL STARTER AND MOTOR RATED SWITCH
		CT	CABLE TRAY
T	TRANSFORMER		EMERGENCY PUSHBUTTON
			ENCLOSED CIRCUIT BREAKER
F ##/##/#	DISCONNECT SWITCH: "F" IF FUSED FRAME AMPS/POLES/NEMA TYPE FUSE PER MANUFACTURERS RECOMMENDATIONS		ENCLOSED BREAKER-RECESSED IN WALL

FIRE PROTECTION EQUIPMENT

FACP	FIRE ALARM PANEL		DUCT MOUNTED SMOKE DETECTOR
FAA	FIRE ALARM ANNUNCIATOR		
F	MANUAL PULL STATION		SMOKE DETECTOR: CEILING / WALL
	AUDIO/VISUAL ALARM: CEILING/WALL		
	VISUAL ALARM: CEILING/WALL		HEAT DETECTOR: CEILING / WALL
		WF	WATER FLOW SWITCH
	SPEAKER/VISUAL ALARM: CEILING/WALL	VS	WATER TAMPER SWITCH
		DH	DOOR HOLDER

COMMUNICATIONS AND SECURITY

*	DATA OUTLET, QUANTITY OF JACKS AS NOTED	C	CARD/KEYFOB READER
*	FLOOR DATA OUTLET, QUANTITY OF JACKS AS NOTED NO NUMBER = 1 JACK		IP CAMERA
*	CEILING DATA OUTLET, QUANTITY OF JACKS AS NOTED		

GROUNDING

G	GROUNDING CONDUCTOR - UNDER SLAB OR BELOW GRADE	G	GROUNDING CONDUCTOR - CONCEALED IN ROOF OR WALLS
GC	GROUND ROD - C IF CHEMICAL	G	GROUNDING CONDUCTOR - EXPOSED
	GROUND CONNECTION (SCHEMATIC)	G	GROUNDING PLATE OR BAR. SEE DETAIL 4/E7.01.

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SOUTHERN GEORGIA
REGIONAL COMMISSION

GEORGIA REGISTERED NO. 29932 PROFESSIONAL ENGINEER SUSAN H. ORR

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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

LEGEND & SCHEDULE - ELECTRICAL

NORTH

E0.01

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE

DGN FILE
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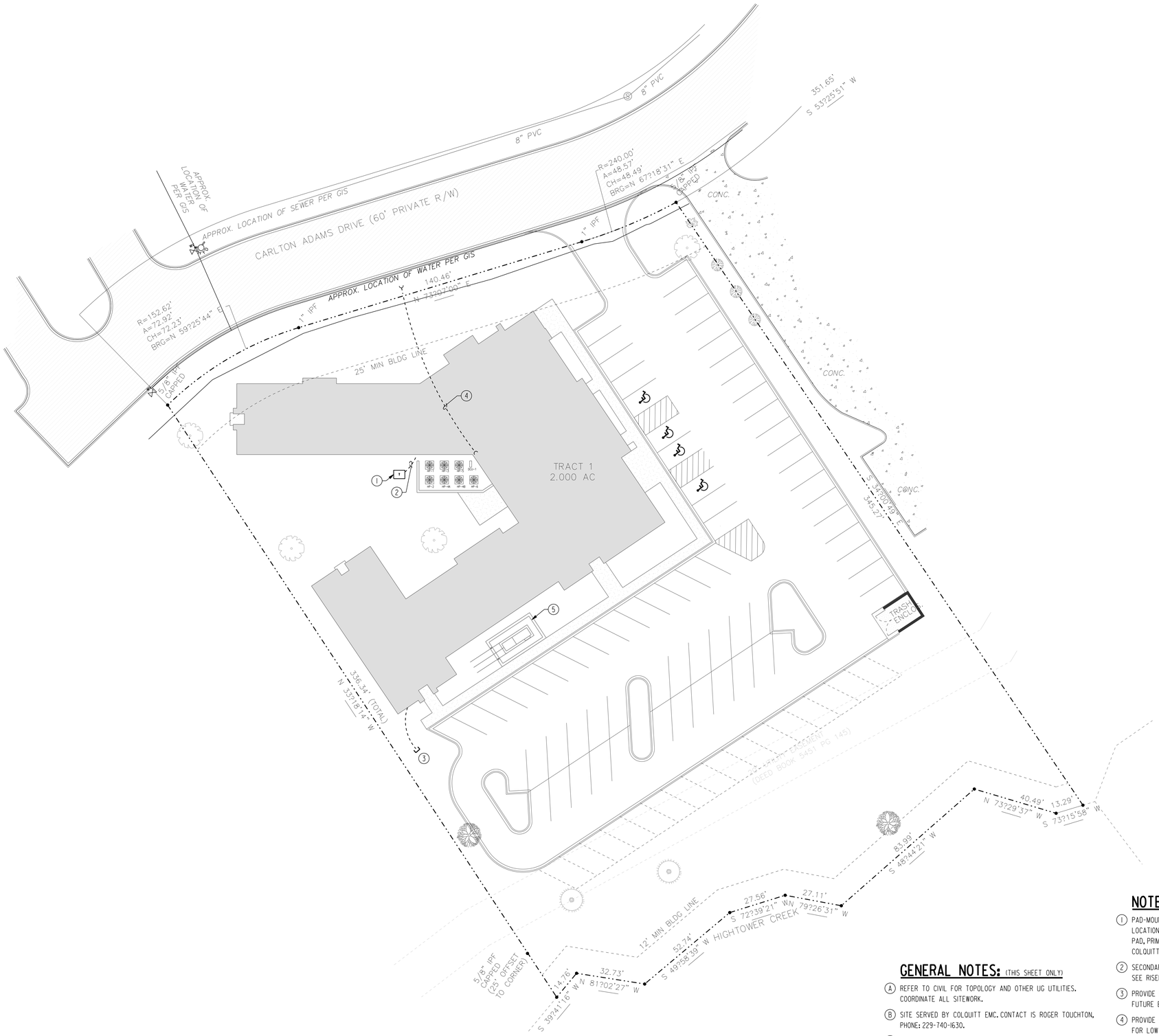

1 SITE PLAN - ELECTRICAL
SCALE: 1" = 20'-0"
20 0 10 20 40

NOTES: (THIS SHEET ONLY)

1. PAD-MOUNTED TRANSFORMER BY COLQUITT EMC. CONFIRM EXACT LOCATION PRIOR TO STUBBING SECONDARY CONDUITS. TRANSFORMER, PAD, PRIMARY CONDUIT AND PRIMARY CABLE SHALL BE BY COLQUITT EMC.
2. SECONDARY CONDUIT AND CONDUCTORS SHALL BE BY THE CONTRACTOR. SEE RISER DIAGRAM 1/E6.01.
3. PROVIDE (2) 1-INCH CONDUITS STUBBED INTO GRASSY AREA FOR FUTURE EXTENSION TO ELECTRIC CAR CHARGING STATIONS.
4. PROVIDE (2) 4" PVC CONDUITS UNDERGROUND TO RIGHT OF WAY FOR LOW VOLTAGE SERVICE. COORDINATE WITH LOCAL PROVIDER(S) AND OWNER FOR CABLE, PHONE, FIBER SERVICES. SERVICE CABLES SHALL BE BY PROVIDER.
5. GENERATOR. SEE DETAILS 1 AND 3 ON SHEET E6.01.

GENERAL NOTES: (THIS SHEET ONLY)

A. REFER TO CIVIL FOR TOPOLOGY AND OTHER UG UTILITIES. COORDINATE ALL SITEWORK.

B. SITE SERVED BY COLQUITT EMC. CONTACT IS ROGER TOUCHTON, PHONE: 229-740-1630.

C. SITE LIGHTING SHALL BE PROVIDED BY COLQUITT EMC. CONDUIT AND CABLE TO SITE LIGHTING SHALL BE BY COLQUITT EMC.

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SOUTHERN GEORGIA
REGIONAL COMMISSION

GEORGIA REGISTERED NO. 29832 PROFESSIONAL ENGINEER SUSAN H. DEI

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SCALE: AS SHOWN

SITE PLAN - ELECTRICAL

NORTH

E1.01

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\V42.01 NE

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08-FEB-2019

NOTES: (THIS SHEET ONLY)

1. FIXTURE WITH INTEGRAL EMERGENCY BATTERY BACK-UP. IN ADDITION TO THE SWITCH/SENSOR LEG, PROVIDE AN ADDITIONAL HOT CONDUCTOR TO THE EMERGENCY BATTERY BACK-UP. UPON LOSS OF NORMAL POWER, THE FIXTURE SHALL ILLUMINATE REGARDLESS OF SWITCH/SENSOR STATUS.
2. PROVIDE LIGHTING CONTACTOR, 120V INPUT CONTROL FROM PHOTOCELL, 120V RELAY OUTPUT TO LIGHTS AS INDICATED. LIGHTING CONTACTOR #1 = ELEC. RM 116. LIGHTING CONTACTOR #2 = ELEC. RM 137.
3. ROUTE THROUGH LIGHTING CONTACTOR #1 FOR CONTROL.
4. ROUTE THROUGH LIGHTING CONTACTOR #2 FOR CONTROL.
5. MULTIPLE OCCUPANCY SENSORS SHALL BE REQUIRED IN THE RESTROOMS DUE TO FULL HEIGHT STALL WALLS. ALL OCCUPANCY SENSORS IN A RESTROOM SHALL BE CONNECTED TOGETHER. SEE GENERAL NOTE C THIS SHEET.
6. THIS FIXTURE SHALL HAVE EMERGENCY BATTERY BACKUP FOR EMERGENCY EGRESS, NOT CONNECTED TO GENERATOR POWER.
7. THIS FIXTURE SHALL BE CONNECTED TO GENERATOR POWER TO PROVIDE CONVENIENCE AND SERVICE LIGHTING (NON-LIFE-SAFETY).
8. SEE ARCHITECTURAL ELEVATIONS AND DETAILS FOR MOUNTING OF M FIXTURES.
9. MOUNT AT BOTTOM ELEVATION 7'-2". SEE ARCHITECTURAL EXTERIOR ELEVATIONS. ROUTE THROUGH LIGHTING CONTACTOR IN ELEC ROOM 116, CONTROLLED BY PHOTOCELL #1.

GENERAL NOTES: (THIS SHEET ONLY)

- (A) SEAL ALL PENETRATIONS AT RATED PARTITIONS.
- (B) EXIT SIGNS SHALL BE SUPPLIED FROM THE UNSWITCHED CIRCUIT SERVING OVERHEAD LIGHTING IN THE SPACE.
- (C) OCCUPANCY SENSORS ARE SHOWN AS AN INTENT GUIDE ONLY. SENSORS SHALL BE PLACED AND SELECTED PER MANUFACTURER'S SHOP DRAWINGS. WHERE MULTIPLE SENSORS ARE SHOWN IN ONE ROOM, SENSORS SHALL BE CONNECTED TOGETHER. INPUT FROM ANY OF THE SENSORS SHALL ACTIVATE THE CIRCUIT.
- (D) IN SPACES WHERE BOTH OCCUPANCY SENSORS AND WALL SWITCHES ARE SHOWN, THE WALL SWITCH SHALL ALLOW LIGHTS TO BE TURNED ON AND OFF MANUALLY, WHILE THE ROOM IS OCCUPIED. WHEN THE ROOM IS UNOCCUPIED, THE SENSOR SHALL TURN OF THE LIGHTS, REGARDLESS OF SWITCH POSITION.
- (E) IN MECHANICAL ROOMS, COORDINATE THE FINAL LOCATION OF FIXTURES WITH EQUIPMENT, DUCTS, AND PIPING. ADJUST LOCATIONS AS REQUIRED TO AVOID CONFLICTS AND MAINTAIN ACCESSIBILITY.
- (F) PROVIDE A DEDICATED NEUTRAL FOR EACH BRANCH LIGHTING CIRCUIT.

1 FLOOR PLAN - LIGHTING

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

8 0 4 8 16

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SCALE: AS SHOWN

FLOOR PLAN - LIGHTING

NORTH

E2.01

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GENERAL NOTES: (THIS SHEET ONLY)

- (A) SEAL ALL PENETRATIONS AT RATED PARTITIONS.
- (B) AC = ABOVE COUNTER AND BACKSPLASH. IF NO COUNTER, MOUNT AT 42"AFF.
- (C) UP TO THREE 20A, 120V BRANCH CIRCUITS MAY BE COMBINED INTO ONE HOMERUN CONDUIT. BRANCH CIRCUITS SHARING A CONDUIT SHALL BE ON SEPARATE PHASES (A,B,C).
- (D) EACH BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL.
- (E) ANY RECEPTACLE INSTALLED WITHIN 6-FEET OF A SINK SHALL BE GFCI TYPE.

NOTES: (THIS SHEET ONLY)

(1) PROVIDE FLOORBOX FOR POWER, DATA, AND AV. BASIS OF DESIGN: LEGRAND EVOLUTION 8-COMPARTMENT. CONFIGUREATION AND COLOR/FINISH OF COVER TO BE SELECTED AT SUBMITTALS.

(2) PROVIDE AV BOX ABOVE CEILING FOR PROJECTOR POWER, DATA, HDMI. COORDINATE FINAL LOCATION WITH OWNER FURNISHED PROJECTOR.

(3) PROVIDE A QUAD OUTLET MOUNTED TO THE UNDERSIDE OF THE LADDER RACK ABOVE THE DATA RACK. EACH DUPLEX WITHIN THE QUAD SHALL HAVE A DEDICATED CIRCUIT.

(4) PROVIDE POWER TO FIRE ALARM PANEL. COMPLY WITH NFPA 72, 2013 EDITION, PARAGRAPHS 10.5.6.2.2, 10.5.6.2.3, 10.6.5.3, AND 10.6.5.4. THE DISCONNECTING MEANS SHALL BE LABELLED, SHALL HAVE A RED MARKING, SHALL BE PROTECTED AGAINST PHYSICAL DAMAGE, AND SHALL HAVE A LISTED BREAKER LOCKING DEVICE INSTALLED WHERE A CIRCUIT BREAKER IS THE DISCONNECTING MEANS. LABEL THE LOCATION OF THE BRANCH CIRCUIT DISCONNECTING MEANS AT THE FIRE ALARM CONTROL PANEL IN ACCORDANCE WITH PARAGRAPH 10.6.5.2.1.

(5) PROVIDE POWER TO MOTORIZED PROJECTION SCREEN.

(6) PROVIDE POWER TO ELECTRONIC STRIKE.

(7) PROVIDE POWER TO HAND DRYER, 110V AC. REFER TO SHEET A501 FOR DRYER HEIGHT AND LOCATIONS.

(8) PROVIDE 30A/2P LOCKING STYLE OUTLET (208V) MOUNTED TO THE UNDERSIDE OF THE LADDER RACK ABOVE THE DATA RACK. CONFIRM FINAL RECEPTACLE CONFIGURATION WITH OWNER AND PROVIDE ACCORDINGLY.

(9) PROVIDE AV STYLE RECESSED WALL BOX WITH SEPARATE COMPARTMENTS FOR LOW VOLTAGE AND POWER. MOUNT BEHIND FLAT PANEL TV AT 5'-6" AFF. PROVIDE ANOTHER DUPLEX ALIGNED VERTICALLY AT 18" AFF.

(10) PROVIDE AV-STYLE RECESSED WALLBOX FOR POWER AND DATA FOR FLAT SCREEN DISPLAY. MOUNT BOX AT 7'-0" AFF.

(11) SEE ARCHITECTURAL FOR PLYWOOD LINING ROOM.

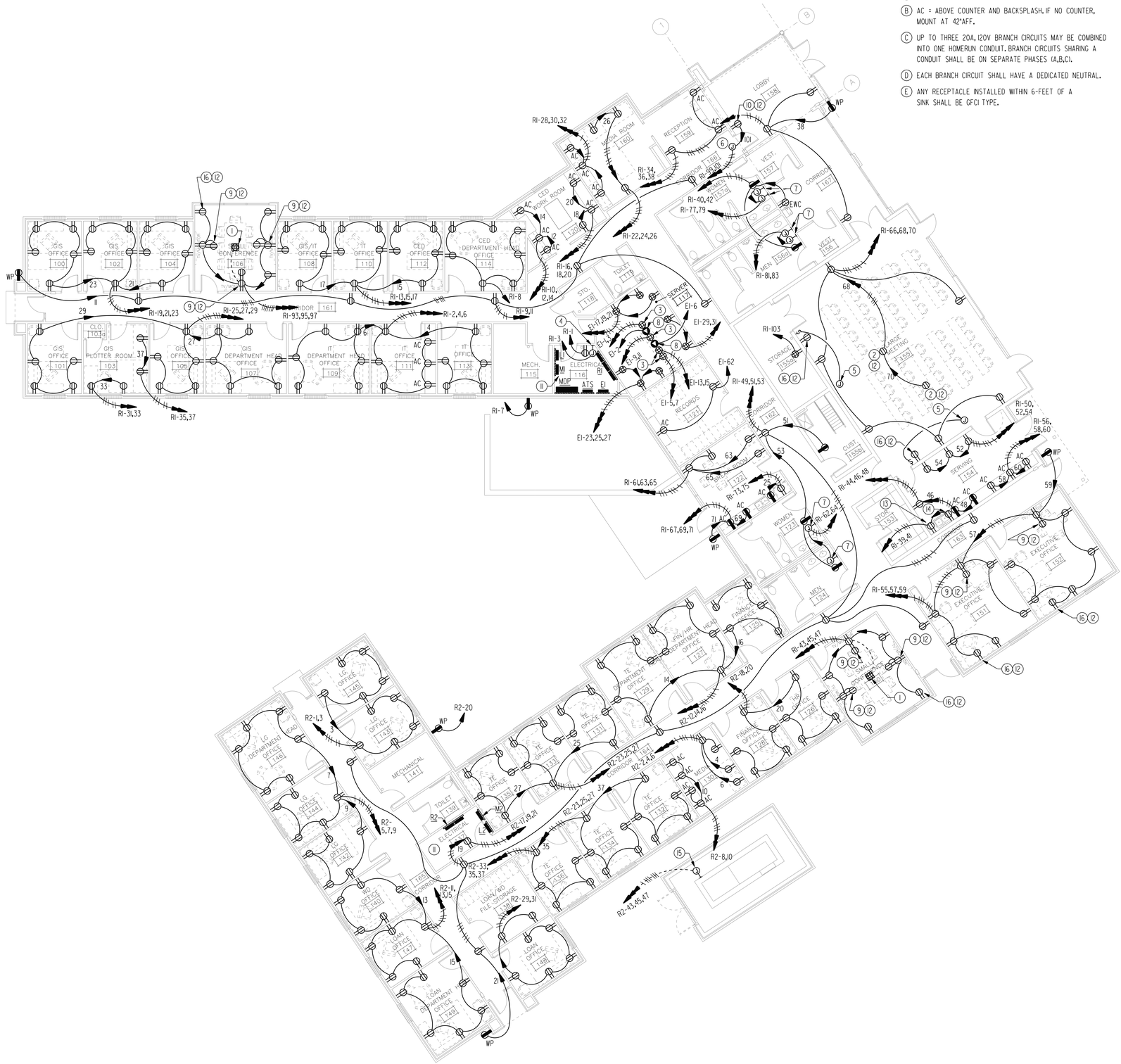
(12) AV WALLBOX SHALL BE LEGRAND TV2MW ALL STEEL, WHITE, OR EQUAL BY HUBBELL, STEEL CITY, OR OTHER APPROVED EQUAL. PROVIDE COMPLETE WITH ALL JACKS, CONNECTIONS, RECEPTACLE, AND FACEPLATES.

(13) UNDERCABINET ICE MAKER.

(14) UNDERCABINET REFRIGERATOR.

(15) PROVIDE POWER TO GENERATOR BATTERY CHARGER, OIL HEATER, AND MISCELLANEOUS POWER.

(16) PROVIDE AV WALLBOX AT 18" AFF. RECEPTACLE SHOWN IS IN AV WALLBOX.



1 FLOOR PLAN - POWER
SCALE: 1/8" = 1'-0"
8 0 4 8 16

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SCALE: AS SHOWN

FLOOR PLAN - POWER

NORTH

E3.01

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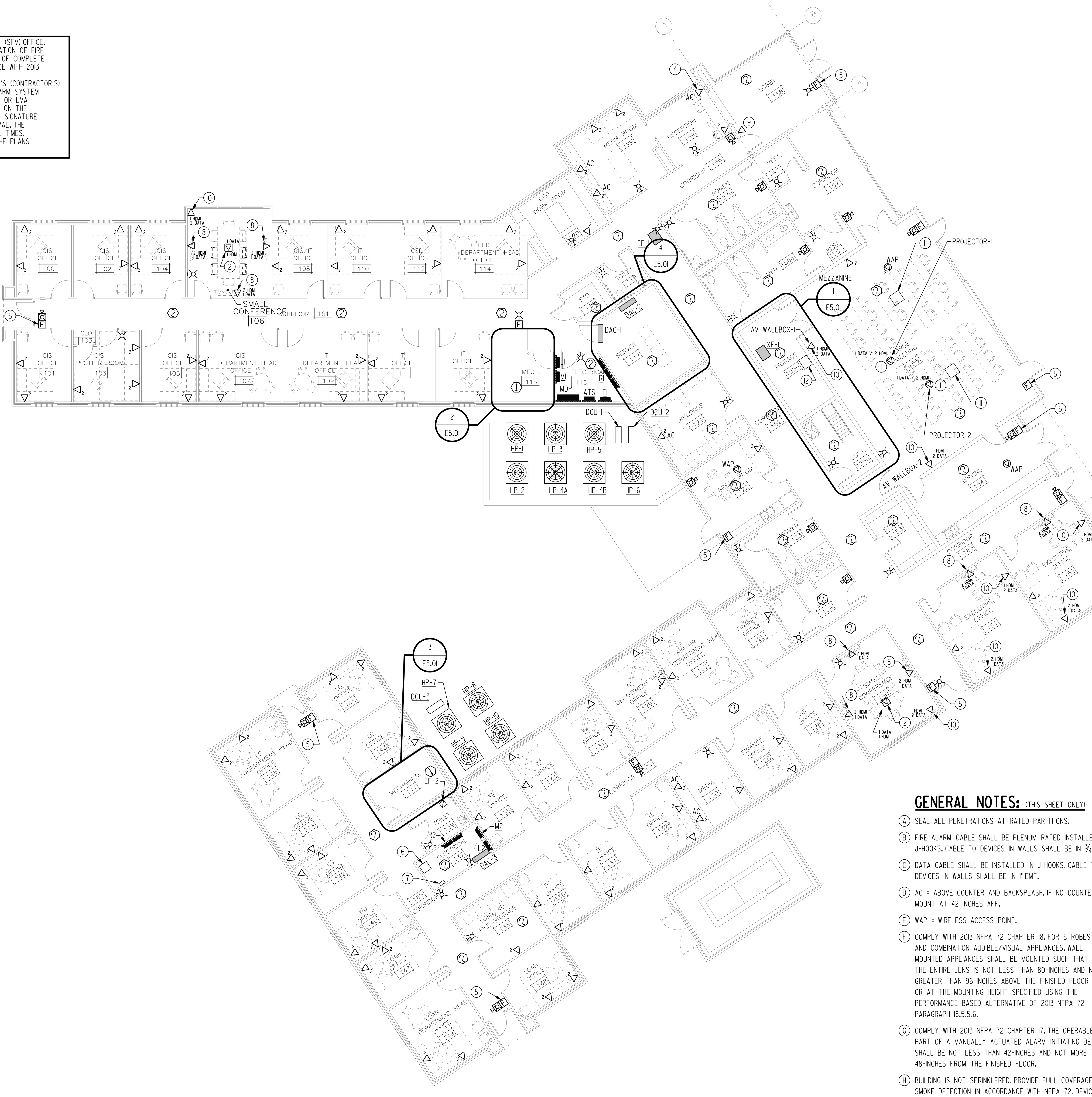
IMPORTANT:

CONTRACTOR SHALL NOTIFY THE STATE MARSHAL'S (SFM) OFFICE, VIA SFM FORM 354A, PRIOR TO BEGINNING INSTALLATION OF FIRE ALARM SYSTEM AND SHALL SUBMIT THREE COPIES OF COMPLETE INFORMATION REGARDING THE SYSTEM, IN COMPLIANCE WITH 2013 NFPA 72 CHAPTERS 7 AND 10.
SPECIAL NOTE: EVIDENCE OF THE SYSTEM DESIGNER'S (CONTRACTOR'S) QUALIFICATIONS, IN THE FORM OF A NICET FIRE ALARM SYSTEM LEVEL IV CERTIFICATION, A STATE OF GEORGIA LVU OR LVA LICENSE, OR AN EOR'S STAMP SHALL BE IDENTIFIED ON THE PLANS, ALONG WITH THE APPROPRIATE NUMBER AND SIGNATURE (SEE CHAPTER 10, PARAGRAPH 10.5.1). AFTER APPROVAL, THE APPROVED PLANS SHALL BE KEPT ON SITE AT ALL TIMES.
NO WORK SHALL COMMENCE UNTIL APPROVAL OF THE PLANS SUBMITTAL BY SFM.



1 FLOOR PLAN - SYSTEMS/HVAC POWER/TELECOM
SCALE: 1/8" = 1'-0"
8 0 4 8 16

GENERAL NOTES: (THIS SHEET ONLY)

(A) SEAL ALL PENETRATIONS AT RATED PARTITIONS.

(B) FIRE ALARM CABLE SHALL BE PLENUM RATED INSTALLED IN J-HOOKS. CABLE TO DEVICES IN WALLS SHALL BE IN 3/4" EMT.

(C) DATA CABLE SHALL BE INSTALLED IN J-HOOKS. CABLE TO DEVICES IN WALLS SHALL BE IN 1" EMT.

(D) AC = ABOVE COUNTER AND BACKSPLASH. IF NO COUNTER, MOUNT AT 42 INCHES AFF.

(E) WAP = WIRELESS ACCESS POINT.

(F) COMPLY WITH 2013 NFPA 72 CHAPTER 18. FOR STROBES AND COMBINATION AUDIBLE/VISUAL APPLIANCES, WALL MOUNTED APPLIANCES SHALL BE MOUNTED SUCH THAT THE ENTIRE LENS IS NOT LESS THAN 80-INCHES AND NOT GREATER THAN 96-INCHES ABOVE THE FINISHED FLOOR OR AT THE MOUNTING HEIGHT SPECIFIED USING THE PERFORMANCE BASED ALTERNATIVE OF 2013 NFPA 72 PARAGRAPH 18.5.5.6.

(G) COMPLY WITH 2013 NFPA 72 CHAPTER 17. THE OPERABLE PART OF A MANUALLY ACTUATED ALARM INITIATING DEVICE SHALL BE NOT LESS THAN 42-INCHES AND NOT MORE THAN 48-INCHES FROM THE FINISHED FLOOR.

(H) BUILDING IS NOT SPRINKLERED. PROVIDE FULL COVERAGE OF SMOKE DETECTION IN ACCORDANCE WITH NFPA 72. DEVICES SHOWN ON THIS SHEET ARE INTENT GUIDE ONLY. COMPLY WITH NFPA 72.

NOTES: (THIS SHEET ONLY)

(1) PROVIDE 2 HDMI AND 1 DATA IN THE AV BOX ABOVE THE CEILING SHOWN ON SHEET E3.01. SEE DETAIL 7/E6.01.

(2) LOCATE IN FLOORBOX SHOWN ON SHEET E3.01. PROVIDE 1"C TO DATA ROOM/SERVER ROOM. DATA CABLE SERVING FLOORBOXES SHALL BE WET-LOCATION RATED. CONDUIT SHALL ROUTE COMPLETELY UNDERGROUND FROM THE FLOORBOX AND STUB UP IN THE DATA ROOM. SEE DETAIL 5/E6.01.

(3) SEE DETAIL 1/E5.01 FOR MECHANICAL MEZZANINE PLAN.

(4) TYPICAL: PROVIDE 2-GANG FLUSH WALLBOX WITH 1"C STUBBED OUT ABOVE ACCESSIBLE CEILING AT LEAST 6-INCHES. PROVIDE BUSHINGS ON ALL DATA CONDUITS.

(5) LOCATE PULL STATION WITHIN 5-FEET OF DOOR OPENING.

(6) PROVIDE ONE 19" 2-POST RACK, WITH FIBER TERMINATION UNIT, PATCH PANELS, ETC, IN ACCORDANCE WITH SECTION 27 1005.

(7) GROUND BAR. SEE DETAIL 3/E6.01 AND DETAIL 4/E7.01.

(8) PROVIDE 2 HDMI OUTLETS AND 1 DATA OUTLET IN THE RECESSED AV WALL BOX AT 5'-6" AFF SHOWN ON SHEET E3.01. ONE HDMI OUTLET SHALL BE CONNECTED TO THE HDMI INPUT AT THE BACK OF THE ROOM, AND ONE SHALL BE CONNECTED TO THE HDMI INPUT IN THE FLOORBOX. SEE DETAIL 5/E6.01.

(9) SEE NOTE 10 SHEET E3.01.

(10) PROVIDE 1 HDMI OUTLET AND TWO DATA OUTLETS IN THE AV WALLBOX SHOWN AT THIS LOCATION ON SHEET E3.01. SEE DETAIL 5/E6.01.

(11) PROVIDE 2X2 LAY-IN OMNI DIRECTIONAL CEILING SPEAKER ARRAY. COORDINATE WITH LIGHTING. REFER TO REFLECTED CEILING PLAN.

(12) MEETING ROOM SOUND SYSTEM HEAD-END RACK LOCATION. PROVIDE ALL COMPONENTS. REFER TO SPECIFICATIONS SECTION 27 5117.

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GEORGIA REGISTERED NO. 29992 PROFESSIONAL ENGINEER SUSAN H. DAY

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VALDOSTA, GA

SCALE: AS SHOWN

FLOOR PLAN - SYSTEMS/HVAC POWER/ TELECOM

NORTH

E4.01

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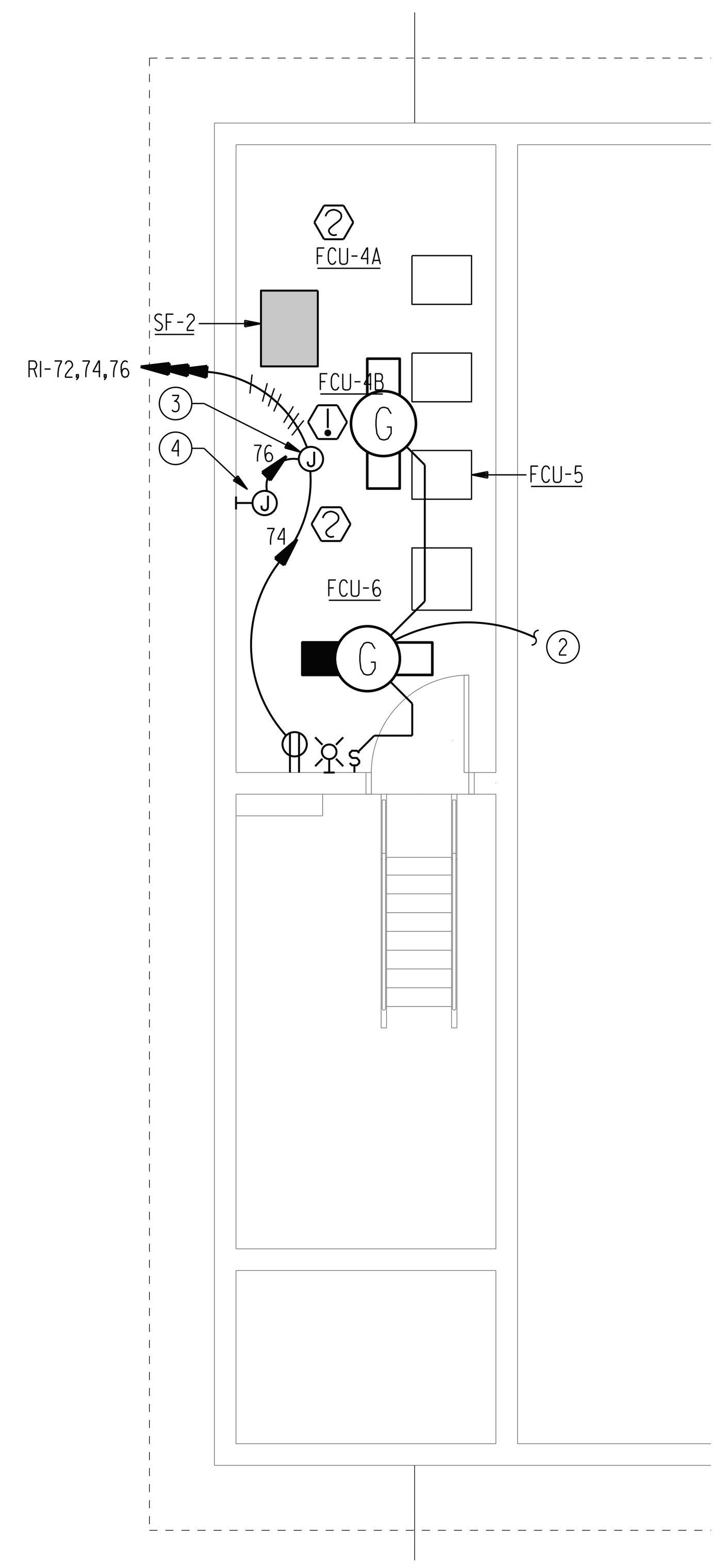
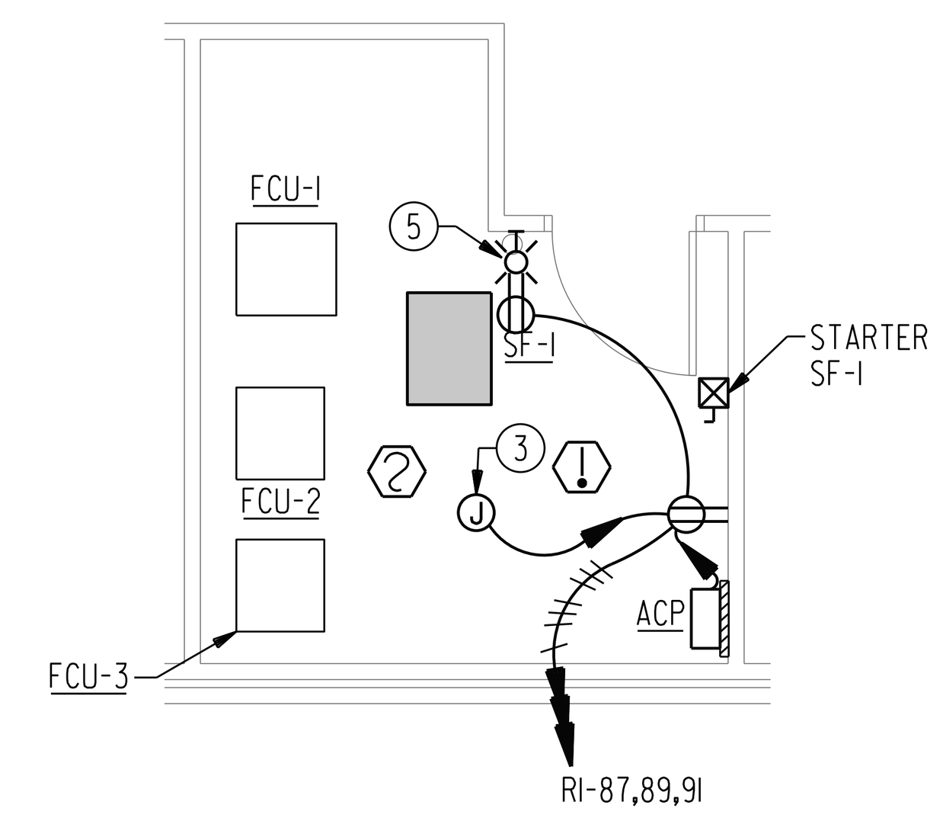


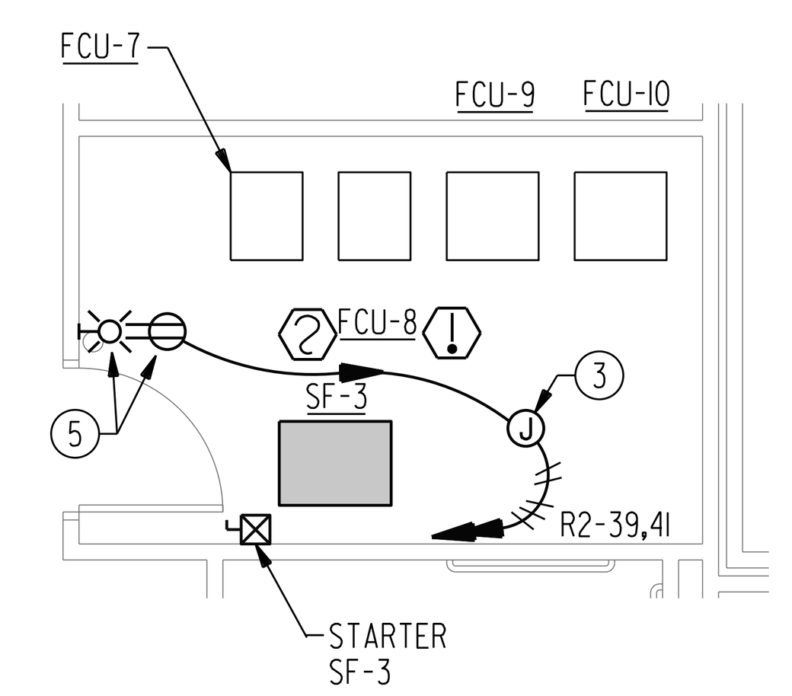
1 LARGE SCALE - MECHANICAL MEZZANINE 200 - ELECTRICAL

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



2 LARGE SCALE - MECHANICAL ROOM 115 - ELECTRICAL

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



3 LARGE SCALE - MECHANICAL ROOM 141 - ELECTRICAL

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

GENERAL NOTES: (THIS SHEET ONLY)

(A) SEAL ALL PENETRATIONS AT RATED PARTITIONS.

(B) EXIT SIGNS AND EMERGENCY EGRESS FIXTURES SHALL BE SUPPLIED FROM THE UNSWITCHED CIRCUIT SERVING OVERHEAD LIGHTING IN THE SPACE.

(C) IN MECHANICAL ROOMS, COORDINATE THE FINAL LOCATION OF FIXTURES WITH EQUIPMENT, DUCTS, AND PIPING. ADJUST LOCATIONS AS REQUIRED TO AVOID CONFLICTS AND MAINTAIN ACCESSIBILITY.

(D) PROVIDE A DEDICATED NEUTRAL FOR EACH BRANCH LIGHTING CIRCUIT.

(E) ALSO SEE SHEETS E2.01, E3.01, AND E4.01 FOR WORK IN THESE ROOMS.

NOTES: (THIS SHEET ONLY)

(1) NOT USED.

(2) CONNECT TO LIGHTING CIRCUIT IN CUSTODIAN ROOM BELOW.

(3) PROVIDE POWER TO AUTOMATIC VOLUME DAMPER (AVD)

(4) SPARE CIRCUIT TO MEZZANINE.

(5) ALIGN STROBE, FIRE EXTINGUISHER, AND RECEPTACLE VERTICALLY, RECEPTACLE AT 18" AFF.

(6) COORDINATE LOCATION WITH EQUIPMENT RACKS AND FLAT LADDER RACK.

(7) PROVIDE (4) 4-POST 19-INCH TELECOM EQUIPMENT RACKS.

(8) PROVIDE GROUND BAR AT 6" ABOVE LADDER RACK. SEE DETAIL 3/E6.01 AND DETAIL 4/E7.01.

(9) PROVIDE LADDER RACK, 12" WIDE, AT 9'-0" AFF AROUND ROOM AND CROSSING OVER THE TOP OF THE RACKS.

(10) ADJUST HEIGHT OF THIS SEGMENT OF FLAT LADDER RACK TO AVOID CONFLICT WITH HVAC UNIT OVER DOOR.

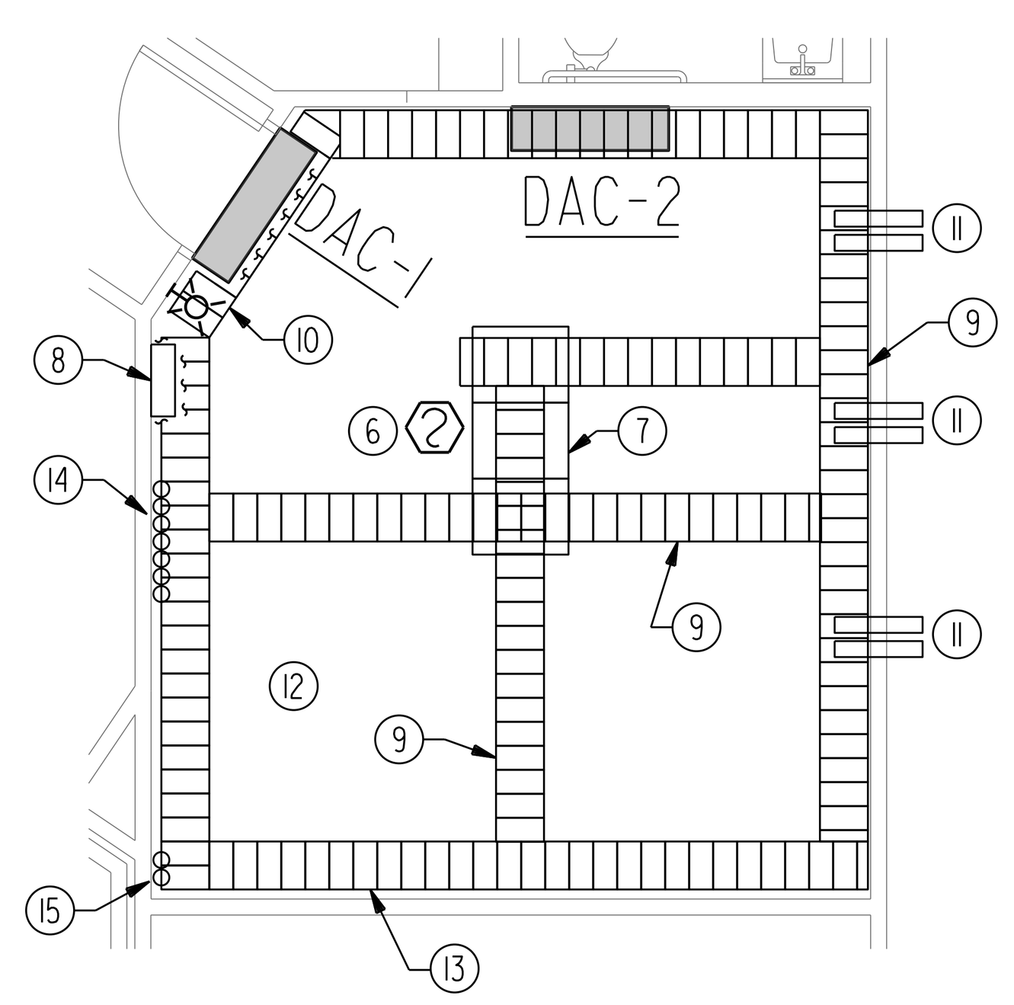
(11) PROVIDE (2) 4" CONDUITS FROM ABOVE ACCESSIBLE CEILING IN CORRIDOR INTO DATA ROOM. STUB OUT 8" OF EACH SIDE OF WALL. PROVIDE "WATERFALL" STYLE RACK OR TRAY TO TRANSITION CABLE AT AN ANGLE GREATER THAN 90-DEGREES.

(12) LINE ROOM WITH PLYWOOD BACKBOARDS, IN ACCORDANCE WITH SECTION 27 1005.

(13) SEE SECTION 27 1005 FOR ADDITIONAL REQUIREMENTS IN THIS ROOM.

(14) PROPOSED LOCATION FOR FLOORBOX DATA CONDUIT STUBS. COORDINATE WITH FIELD CONDITIONS.

(15) PROPOSED LOCATION FOR SITE LOW VOLTAGE CONDUIT STUBS. COORDINATE WITH FIELD CONDITIONS.



4 LARGE SCALE - SERVER ROOM 117 - ELECTRICAL

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

MECHANICAL EQUIPMENT WIRING SCHEDULE

MARK	LOCATION	HP/KW	MOCP	MCA	VOLTAGE/PHASE	MEANS OF DISCONNECT	CIRCUIT	REMARKS
INDOOR SPLIT SYSTEM UNITS								
FCU-1	MECH RM 115		50	49.5	208/1	BUILT-IN DISCONNECT	MDP-2	
FCU-2	MECH RM 115		60	53.8	208/1	BUILT-IN DISCONNECT	MDP-6	
FCU-3	MECH RM 115		60	53.8	208/1	BUILT-IN DISCONNECT	MDP-10	
FCU-4A	MECH MEZZANINE		30	26.0	208/1	BUILT-IN DISCONNECT	MDP-14	
FCU-4B	MECH MEZZANINE		30	26.0	208/1	BUILT-IN DISCONNECT	MDP-18	
FCU-5	MECH MEZZANINE		30	26.0	208/1	BUILT-IN DISCONNECT	MDP-22	
FCU-6	MECH MEZZANINE		60	53.8	208/1	BUILT-IN DISCONNECT	MDP-26	
FCU-7	MECH RM 141		60	53.8	208/1	BUILT-IN DISCONNECT	M2-2	
FCU-8	MECH RM 141		60	53.8	208/1	BUILT-IN DISCONNECT	M2-6	
FCU-9	MECH RM 141		60	53.8	208/1	BUILT-IN DISCONNECT	M2-10	
FCU-10	MECH RM 141		60	53.8	208/1	BUILT-IN DISCONNECT	M2-14	
OUTDOOR SPLIT SYSTEM UNITS								
HP-1	BUILDING EXTERIOR AT GRADE		30	21.5	208/3	FUSED DISCONNECT	M1-29	PROVIDE 60/3/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-2	BUILDING EXTERIOR AT GRADE		40	24.0	208/1	FUSED DISCONNECT	M1-5	PROVIDE 60/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-3	BUILDING EXTERIOR AT GRADE		40	24.0	208/1	FUSED DISCONNECT	M1-9	PROVIDE 60/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-4A	BUILDING EXTERIOR AT GRADE		25	14.2	208/1	FUSED DISCONNECT	M1-13	PROVIDE 30/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-4B	BUILDING EXTERIOR AT GRADE		25	14.2	208/1	FUSED DISCONNECT	M1-17	PROVIDE 30/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-5	BUILDING EXTERIOR AT GRADE		25	14.2	208/1	FUSED DISCONNECT	M1-21	PROVIDE 30/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-6	BUILDING EXTERIOR AT GRADE		40	24.0	208/1	FUSED DISCONNECT	M1-25	PROVIDE 60/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-7	BUILDING EXTERIOR AT GRADE		30	18.3	208/1	FUSED DISCONNECT	M2-1	PROVIDE 60/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-8	BUILDING EXTERIOR AT GRADE		30	18.3	208/1	FUSED DISCONNECT	M2-5	PROVIDE 60/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-9	BUILDING EXTERIOR AT GRADE		20	11.7	208/3	FUSED DISCONNECT	M2-9	PROVIDE 30/3/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
HP-10	BUILDING EXTERIOR AT GRADE		40	24.0	208/1	FUSED DISCONNECT	M2-13	PROVIDE 60/2/3R DISCONNECT AT UNIT; SIZE FUSE TO MATCH MOCP.
DUCTLESS SPLIT SYSTEMS								
MARK	**LOCATION**	**HP/KW**	**MOCP**	**MCA**	**VOLTAGE/PHASE**	**MEANS OF DISCONNECT**	**CIRCUIT**	**REMARKS**
DCU-1	BUILDING EXTERIOR AT GRADE		30.0	20.0	208/1	FUSED DISCONNECT	E1-10	PROVIDE 30/2/3R FUSED DISCONNECT AT UNIT. FUSE SIZE SHALL MATCH MOCP.
DAC-1	SERVER ROOM 117		NA	NA	NA	NA	NA	INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT. PROVIDE CONNECTIONS IAW MFR'S REQUIREMENTS.
DCU-2	BUILDING EXTERIOR AT GRADE		30.0	20.0	208/1	FUSED DISCONNECT	E1-14	PROVIDE 30/2/3R FUSED DISCONNECT AT UNIT. FUSE SIZE SHALL MATCH MOCP.
DAC-2	SERVER ROOM 117		NA	NA	NA	NA	NA	INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT. PROVIDE CONNECTIONS IAW MFR'S REQUIREMENTS.
DCU-3	BUILDING EXTERIOR AT GRADE		30.0	20.0	208/1	FUSED DISCONNECT	M2-17	PROVIDE 30/2/3R FUSED DISCONNECT AT UNIT. FUSE SIZE SHALL MATCH MOCP.
DAC-3	ELEC RM 137		NA	NA	NA	NA	NA	INDOOR UNIT RECEIVES POWER FROM OUTDOOR UNIT. PROVIDE CONNECTIONS IAW MFR'S REQUIREMENTS.
FANS								
MARK	**LOCATION**	**HP/KW**	**MOCP**	**MCA**	**VOLTAGE/PHASE**	**MEANS OF DISCONNECT**	**CIRCUIT**	**REMARKS**
EF-1	WOMENS RM 123	1/4 HP			120/1	20A MOTOR RATED SWITCH	R1-84	PROVIDE MOTOR RATED SWITCH AT FAN.
EF-2	TOILET 139	60 W			120/1	NA	R2-18	INTERLOCK WITH LIGHTING.
XF-1	STORAGE 155A	145 W			120/1	20A MOTOR RATED SWITCH	R1-5	PROVIDE MOTOR RATED SWITCH AT FAN.
SF-1	FIRST FLOOR ELECT ROOM	1/2 HP			208/3	COMBINATION STARTER IN DIV 23	M1-30	ROUTE THROUGH STARTER.
SF-2	CORRIDOR 126	1/3 HP			120/1	DISCONNECT SWITCH	R2-20	PROVIDE MOTOR RATED SWITCH AT FAN.
SF-3	SECOND FLOOR MECH RM	1/2 HP			208/3	COMBINATION STARTER IN DIV 23	M2-21	ROUTE THROUGH STARTER.

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sgrc
SOUTHERN GEORGIA
REGIONAL COMMISSION

GEORGIA REGISTERED NO. 29992 PROFESSIONAL ENGINEER SUSAN H. DAY

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-06-18	100% REVIEW SET
	02-04-19	100% BID SET

DRAWN TAC
CHECKED SHD
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

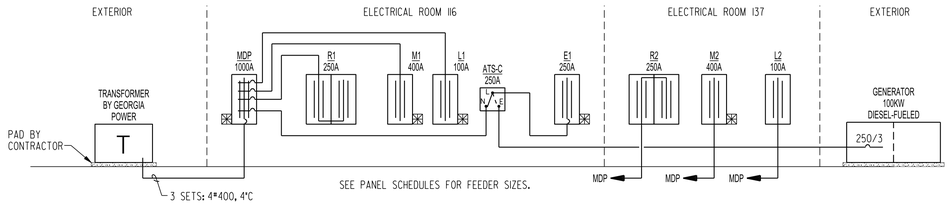
SCALE: AS SHOWN

LARGE SCALE PLANS - ELECTRICAL

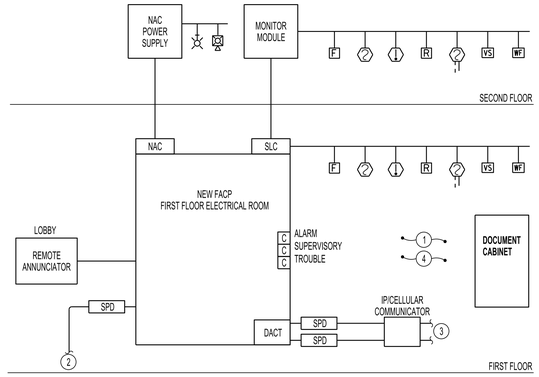
NORTH

E5.01

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE



1 POWER RISER DIAGRAM
NOT TO SCALE



2 FIRE ALARM RISER
NOT TO SCALE

NOTES: (DETAIL 2/E6.01 ONLY)
1. RISER IS SHOWN TO INDICATE DESIGN INTENT ONLY. SEE PLANS FOR DEVICE COUNT AND LOCATIONS. COMPLY WITH NFPA 72.
2. TO 120V CIRCUIT.
3. DUAL PATH REPORTING TO OWNER SPECIFIED MONITORING SERVICE.
4. REFER ALSO TO 28 3100.

GENERAL NOTES: (DETAIL 3/E6.01 ONLY)
A. GROUNDING ELECTRODE CONDUCTORS SHALL BE #3/0. EQUIPMENT GROUND SHALL BE AS INDICATED ON THE PANEL SCHEDULE OR RISER 1/E6.11. REFER TO SPECIFICATIONS FOR GROUND SIZE DATA EQUIPMENT

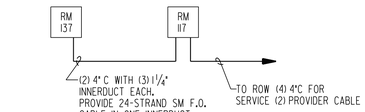
B. GROUNDING SHOWN IS NOT ALL INCLUSIVE. REFER TO SPECIFICATIONS FOR FURTHER DESCRIPTION.

C. GROUND BAR DETAIL IS SHOWN ON DETAIL 3/E5.02.

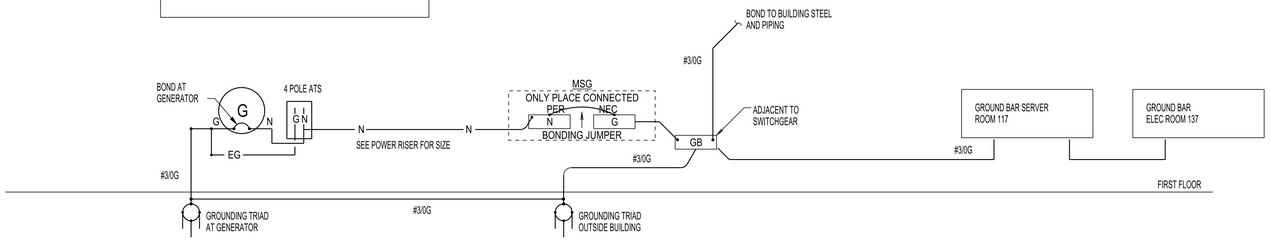
D. REFERENCE NEC 250-50; THE GROUNDING ELECTRODE SYSTEM SHALL GROUND THE POWER SERVICE, THE BUILDING METAL FRAME, AND THE PIPING SYSTEMS.

RISER LEGEND:

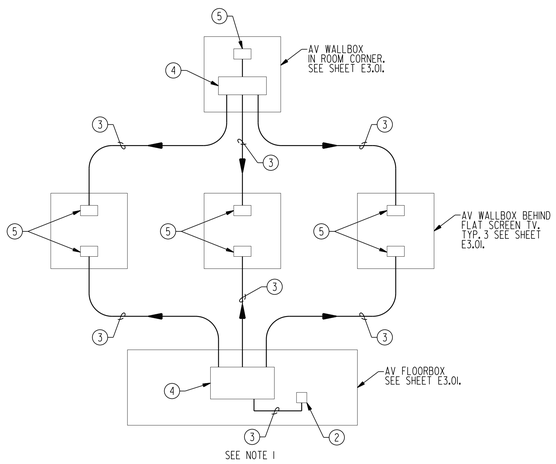
GB=GROUND BAR
EG=EQUIPMENT GROUND
GEC=GROUNDING ELECTRODE CONDUCTOR



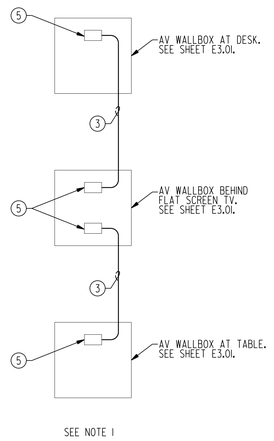
4 TELECOM RISER
NOT TO SCALE



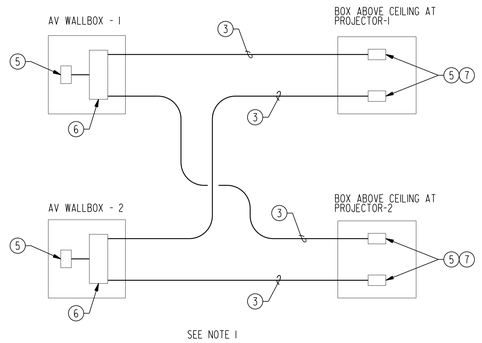
3 GROUNDING RISER
NOT TO SCALE



5 AV BLOCK DIAGRAM - SMALL CONFERENCE ROOM
NOT TO SCALE



6 AV BLOCK DIAGRAM - OFFICE 151, 152
NOT TO SCALE



7 AV BLOCK DIAGRAM - LARGE MEETING 155
NOT TO SCALE

NOTES: (DETAILS 5, 6, 7 ONLY)
1. ALL BOXES, CABLES, CONDUITS AND TERMINATIONS SHALL BE BY THE CONTRACTOR. FLAT SCREEN TV'S AND LAPTOPS SHALL BE BY THE OWNER. SEE E4.01 FOR ADDITIONAL WORK.
2. HDMI INPUT CONNECTOR INSIDE FLOORBOX ACCESSIBLE TO USER.
3. HDMI CABLE.
4. HDMI SPLITTER, 3-TO-1, INSIDE FLOORBOX (OR AV WALLBOX).
5. HDMI CONNECTOR IN AV WALLBOX COVERPLATE.
6. HDMI SPLITTER, 2-TO-1, INSIDE AV WALLBOX.
7. INTENT OF OPERATION-USER HAS THREE OPTIONS.
   1. DISPLAY INPUT OF AV WALLBOX-1 ON PROJECTOR-1 AND PROJECTOR-2 SIMULTANEOUSLY, OR
   2. DISPLAY INPUT OF AV WALLBOX-2 ON PROJECTOR-1 AND PROJECTOR-2 SIMULTANEOUSLY OR
   3. DISPLAY INPUT OF AV WALLBOX-1 ON PROJECTOR-1 AND DISPLAY INPUT OF AV WALLBOX-2 ON PROJECTOR-2, SIMULTANEOUSLY.

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SOUTHERN GEORGIA REGIONAL COMMISSION

GEORGIA REGISTERED NO. 24892 PROFESSIONAL ENGINEER SUSAN H. DAY

REV.	DATE:	REMARKS:
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A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

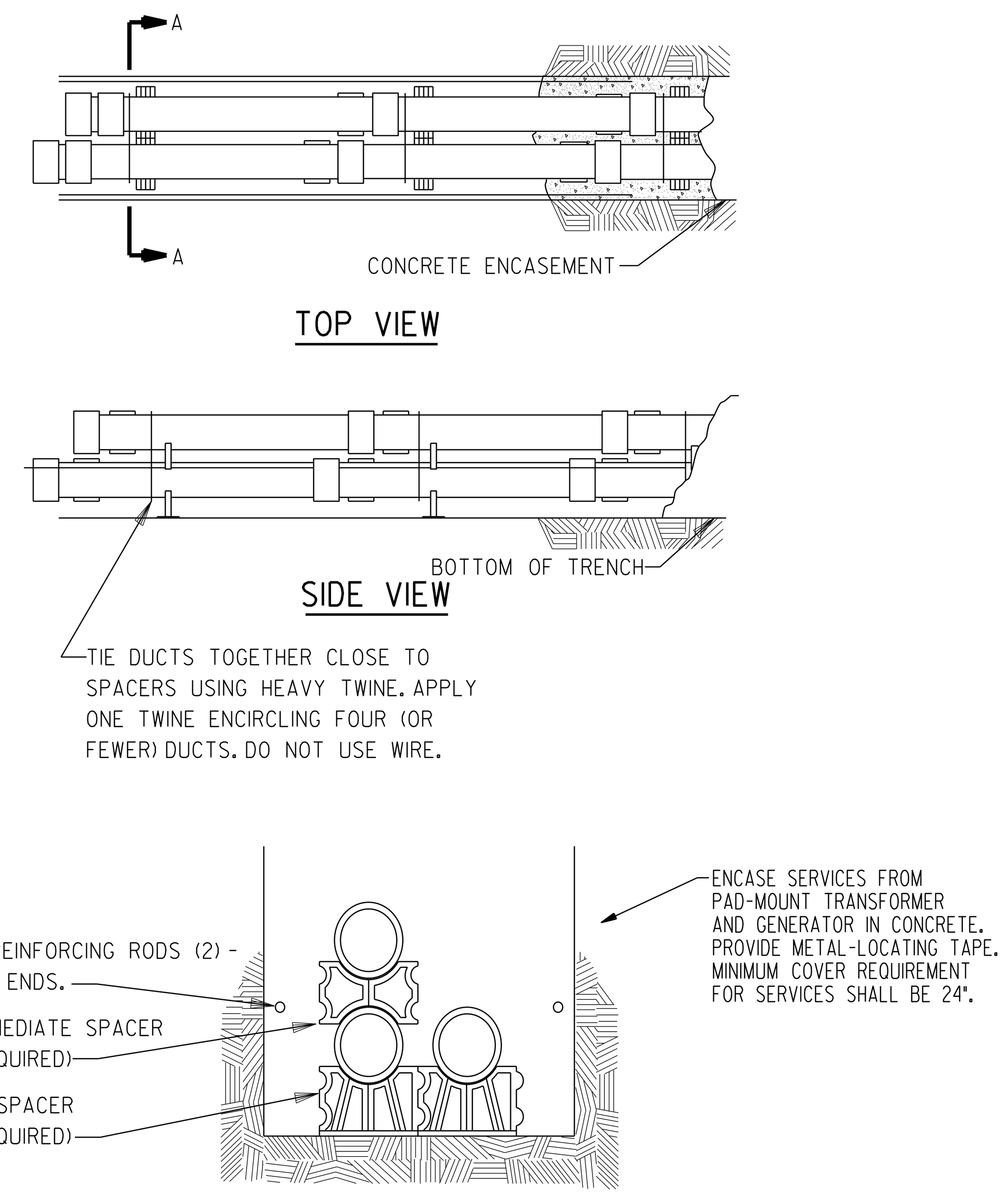
RISERS - ELECTRICAL

NORTH

E6.01

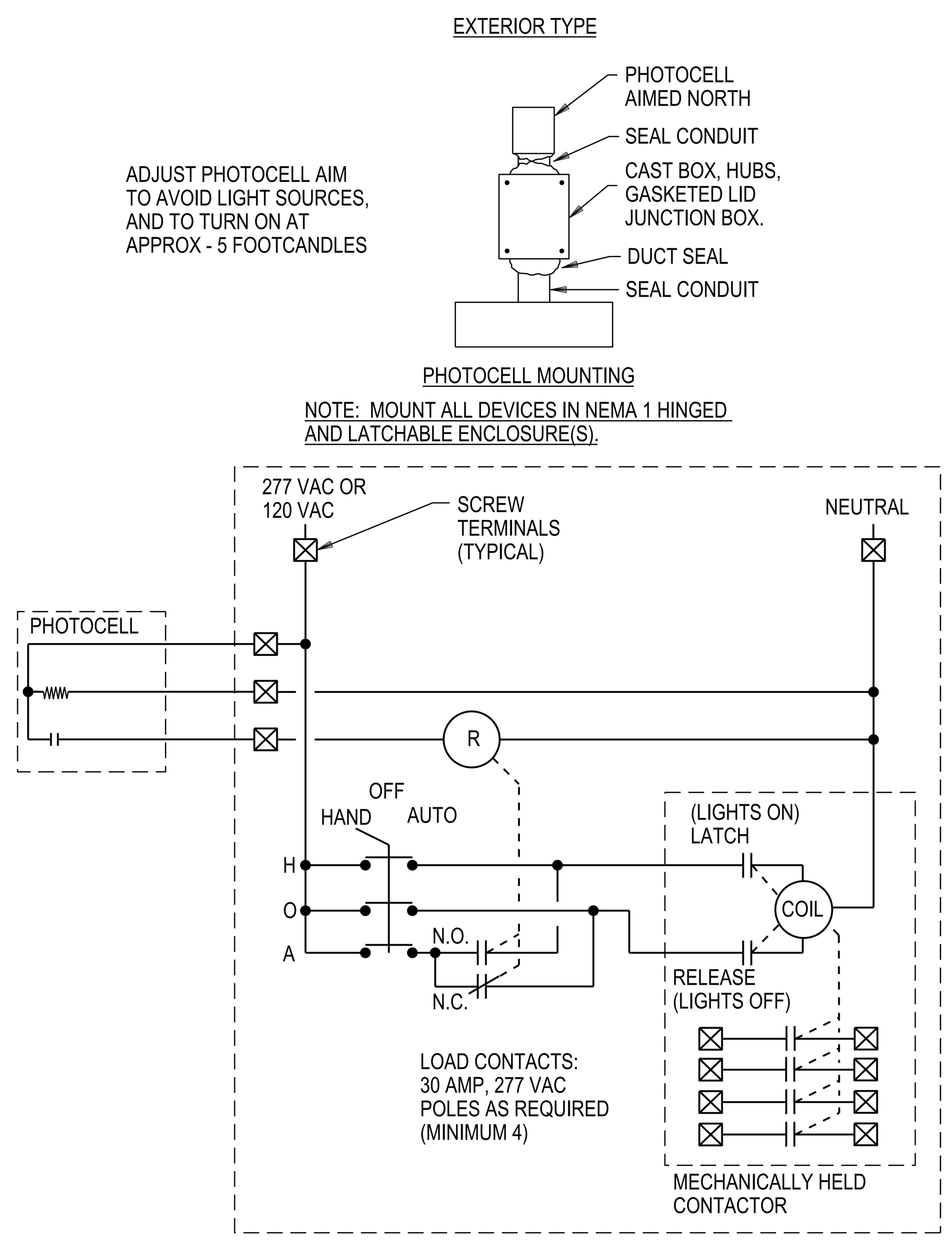
DGN FILE
P:\18054\18054e701.dgn

DATE PLOTTED
08-FEB-2019



1 TYPICAL CONDUIT BANK ASSEMBLY

NOT TO SCALE

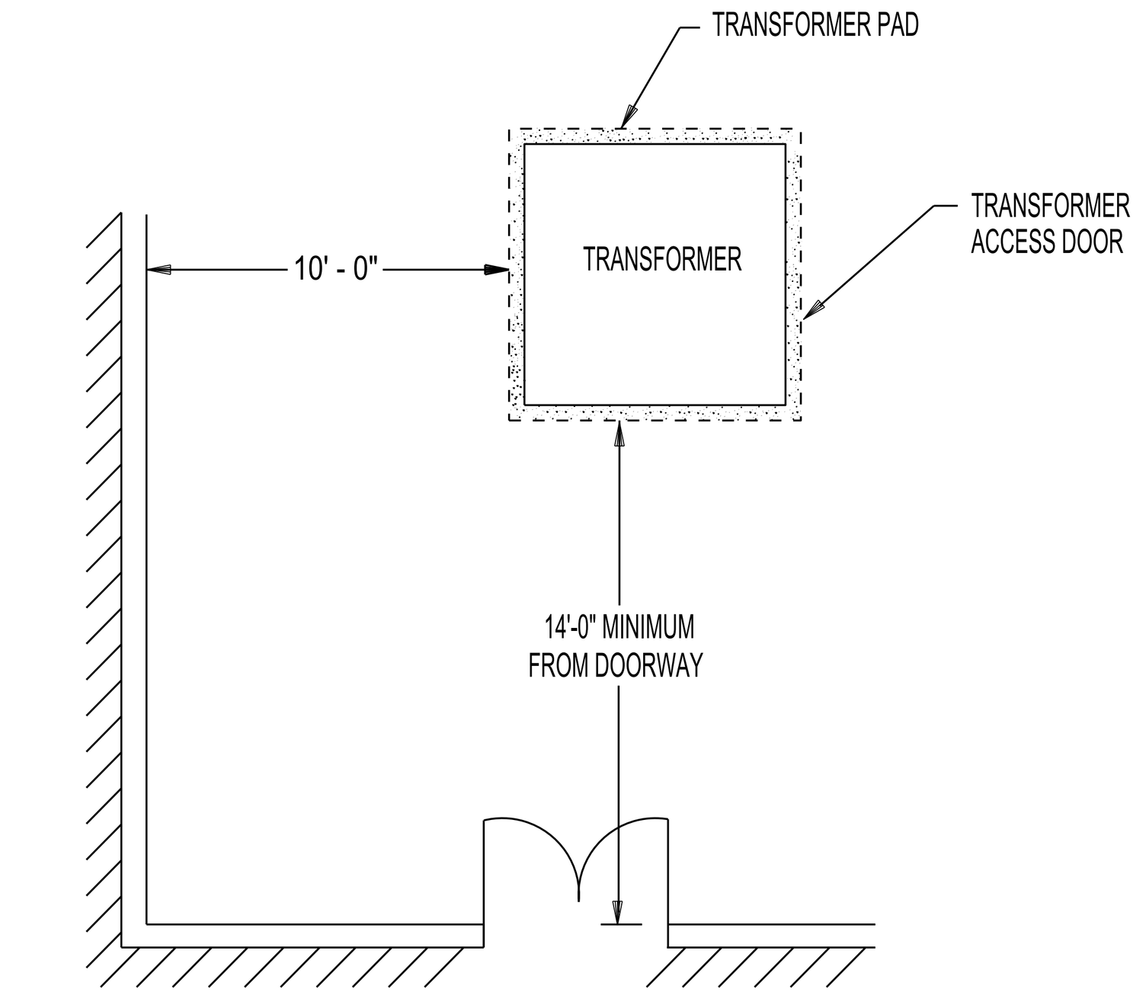


2 EXTERIOR LIGHTING CONTROL - PE ONLY

NOT TO SCALE

INSTALLATION OF PAD MOUNTED TRANSFORMER SHALL MEET THE FOLLOWING REQUIREMENTS.

1. SECONDARY OF TRANSFORMER SHALL FACE BUILDING (SWITCHGEAR).
2. CURRENT TRANSFORMER (CT) TO BE PROVIDED BY LOCAL POWER COMPANY AND INSTALLED BY CONTRACTOR.
3. THE LOOP FEED SWITCH (IF INSTALLED) AND CONTROL SHALL BE ACCESSIBLE FROM PRIMARY (HIGH VOLTAGE) COMPARTMENT ONLY.
4. CONDUIT STUB-UPS IN PRIMARY AND SECONDARY COMPARTMENTS SHALL BE A MINIMUM OF 6 INCHES ABOVE GRADE AND SEALED TO PREVENT WATER ENTRY.



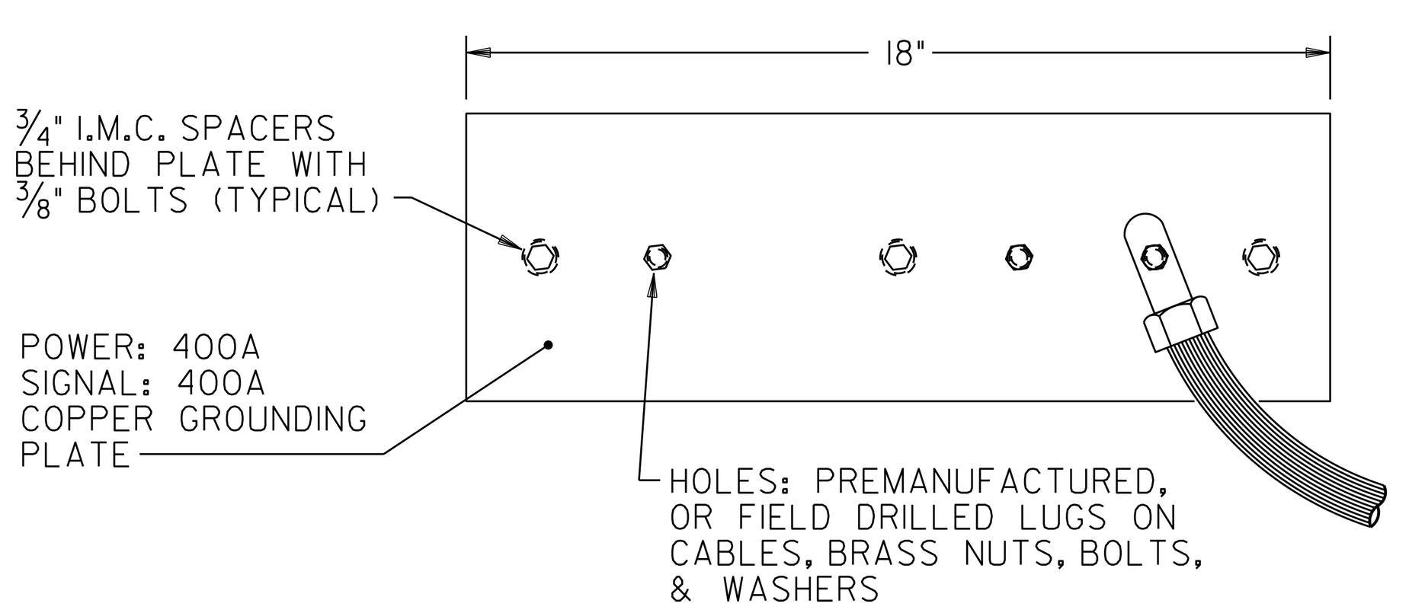
GENERAL NOTES - LOCATION OF PAD MOUNTED TRANSFORMER:

1. TRANSFORMER PAD LOCATIONS SHALL BE A MINIMUM OF 10 FT.-0 IN. FROM ANY BUILDING OVERHANGS, CANOPIES, EXTERIOR WALLS, BALCONY, EXTERIOR STAIRS AND OR WALKWAYS CONNECTED TO THE BUILDING.
2. TRANSFORMER PAD EDGE SHALL BE NO LESS THAN 14 FT.-0 IN. FROM ANY DOOR WAY.
3. TRANSFORMER PAD EDGE SHALL BE NO LESS THAN 10 FT.-0 IN. FROM ANY WINDOWS OR OTHER OPENINGS.
4. IF THE BUILDING HAS ON OVERHANG THE 10 FT.-0 IN. CLEARANCE SHALL BE MEASURED FROM A POINT BELOW THE EDGE OF THE OVERHANG ONLY IF THE BUILDING IS 3 STORIES OR LESS. IF THE BUILDING IS 4 STORIES OR MORE 10 FT.-0 IN. SHALL BE MEASURED FROM THE OUTSIDE BUILDING WALL.
5. FIRE ESCAPES, OUTSIDE STAIRS, AND COVERED WALKWAYS ATTACHED TO OR BETWEEN BUILDINGS, SHALL BE CONSIDERED PART OF THE BUILDING.

NOTE: THIS INFORMATION HAS BEEN OBTAINED FROM THE NFPA ARTICLE 450-27 AND THE OFFICE OF INSURANCE AND SAFETY FIRE COMMISSIONER CHAPTER 120-3-3.

3 PAD MOUNTED TRANSFORMER

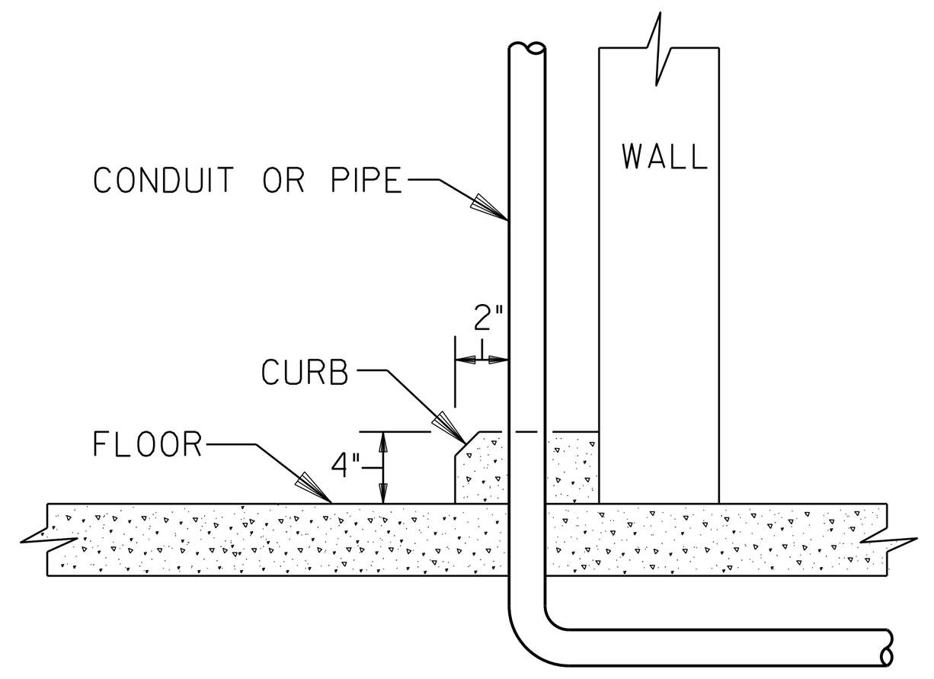
NOT TO SCALE



4 GROUNDING PLATE

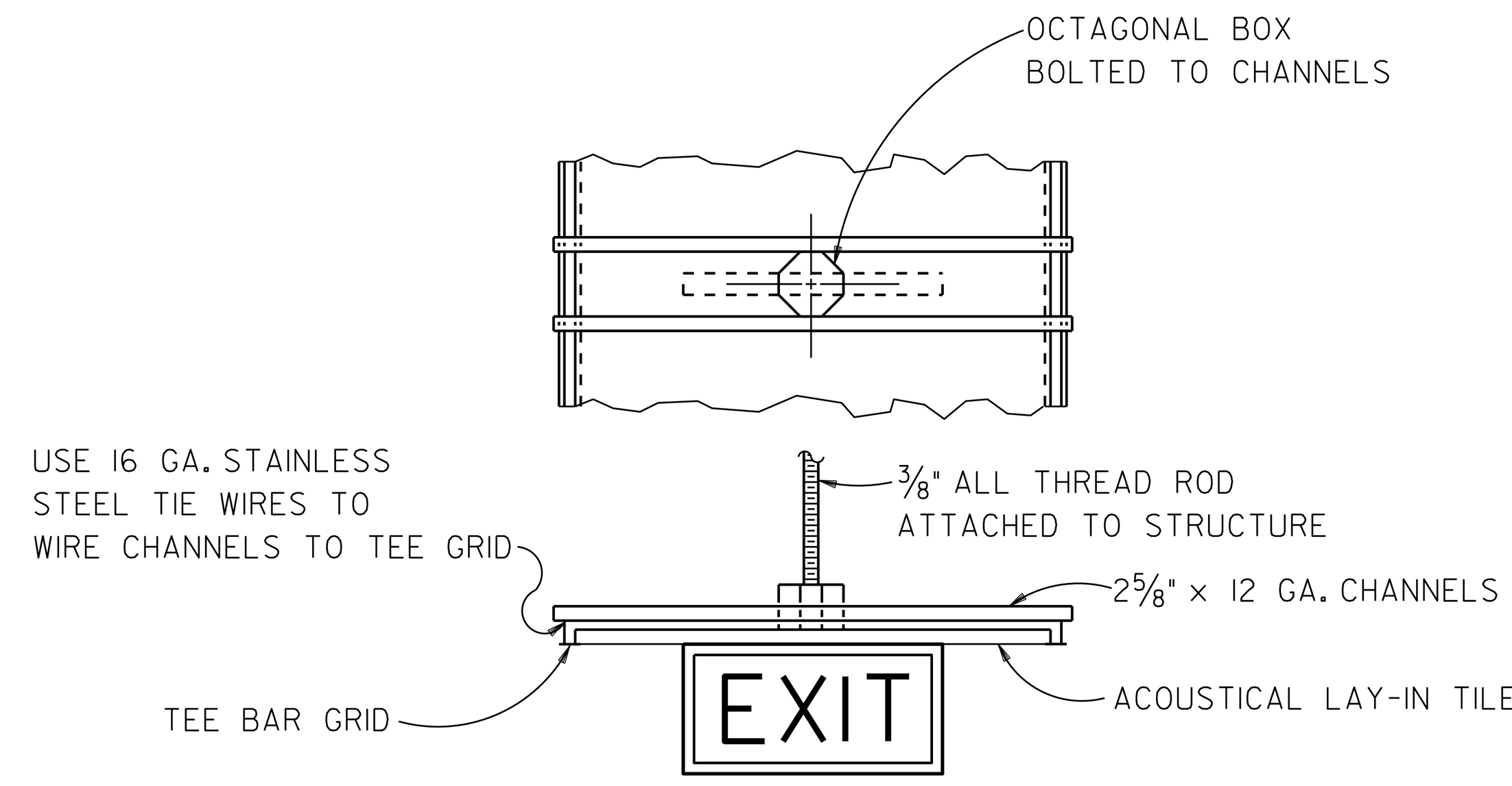
NOT TO SCALE

PROVIDE 4" HIGH CONCRETE HOUSEKEEPING CURB WHEREVER EXPOSED PIPES OR CONDUIT ENTER FLOOR, CURB SHALL HAVE ONE EDGE TO WALL AND SHALL EXTEND 2" MINIMUM BEYOND EDGES OF PIPE OR CONDUIT.



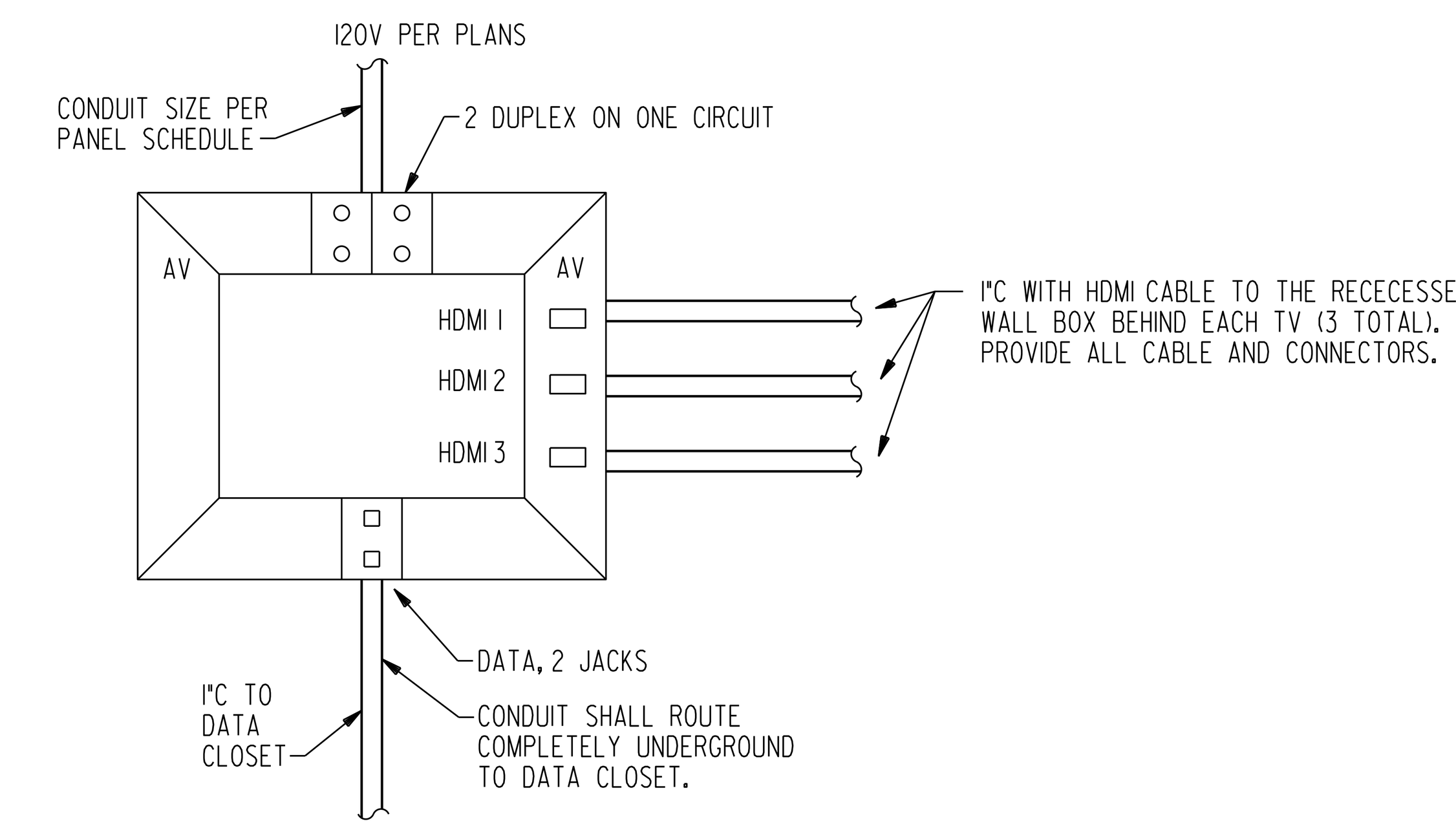
5 SECTION THRU HOUSEKEEPING CURB

NOT TO SCALE



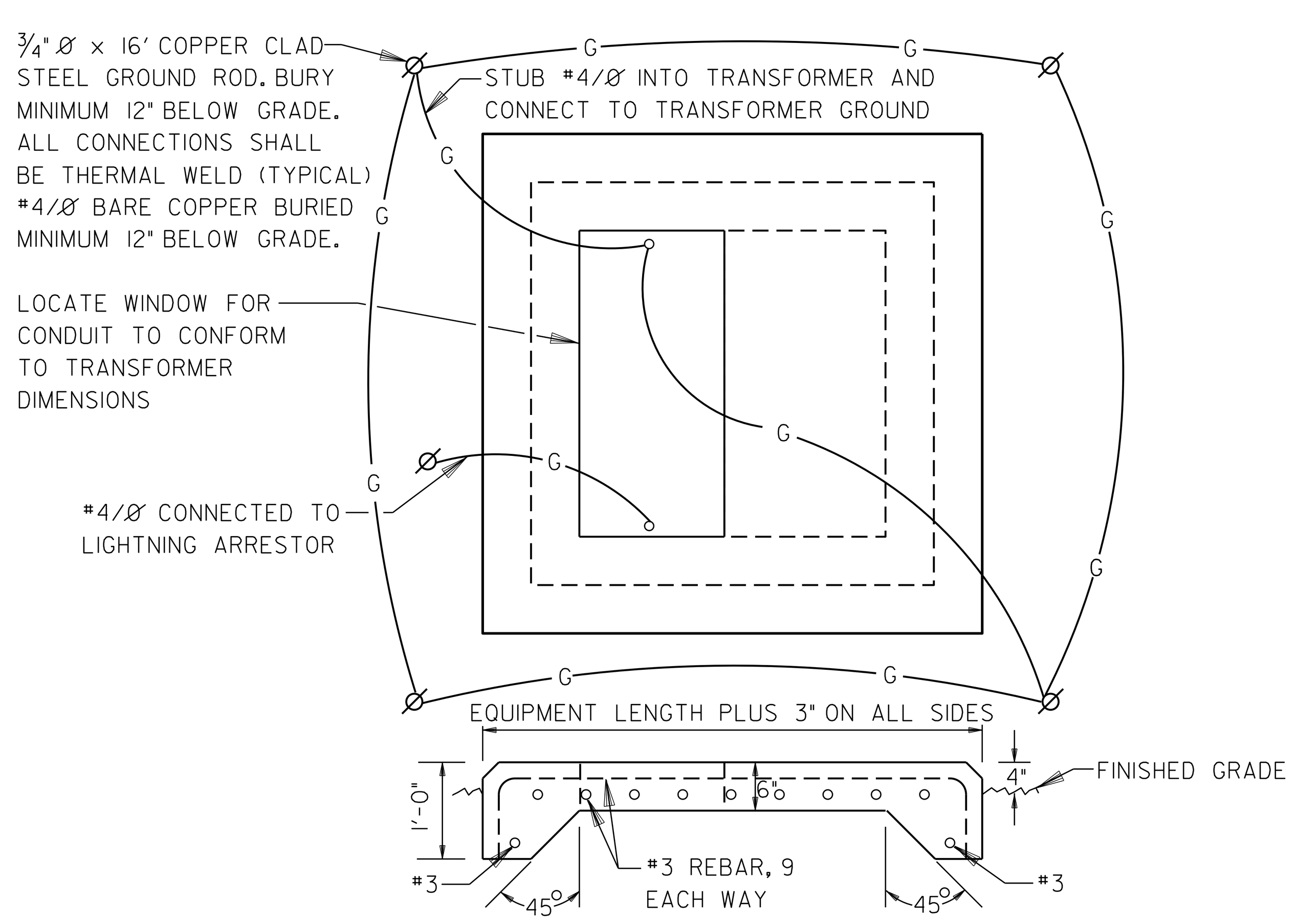
6 EXIT LIGHT MOUNTING DETAIL

NOT TO SCALE



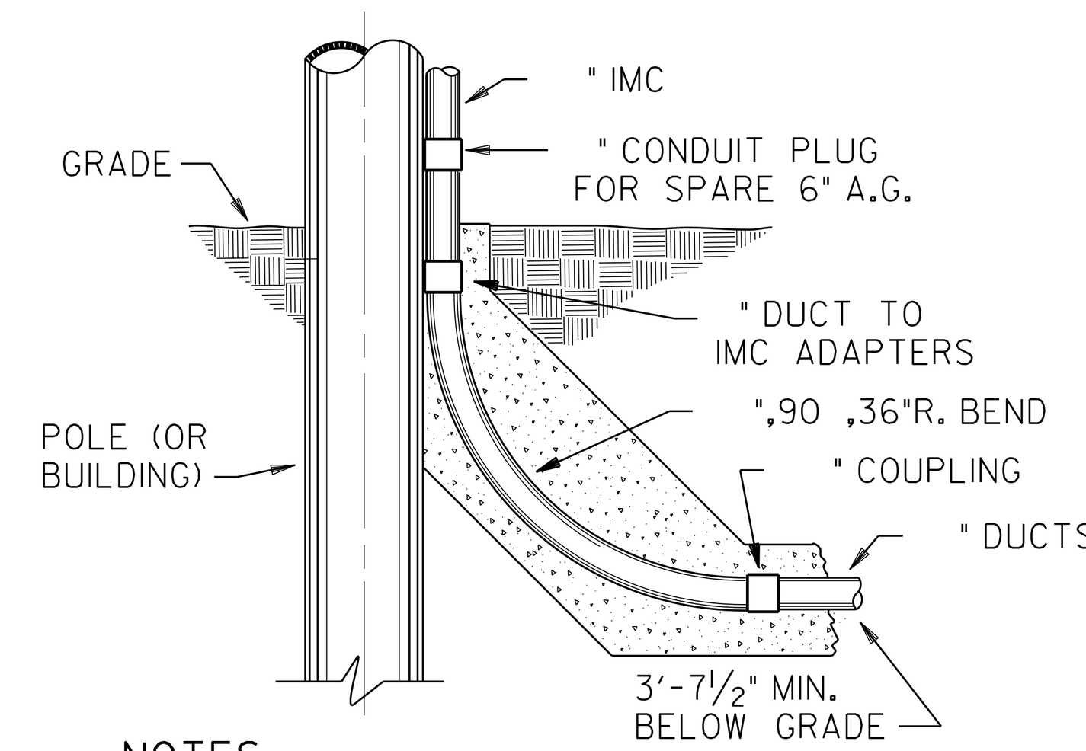
7 AV FLOORBOX LAYOUT

NOT TO SCALE



8 PAD MOUNTED TRANSFORMER FOUNDATION

NOT TO SCALE

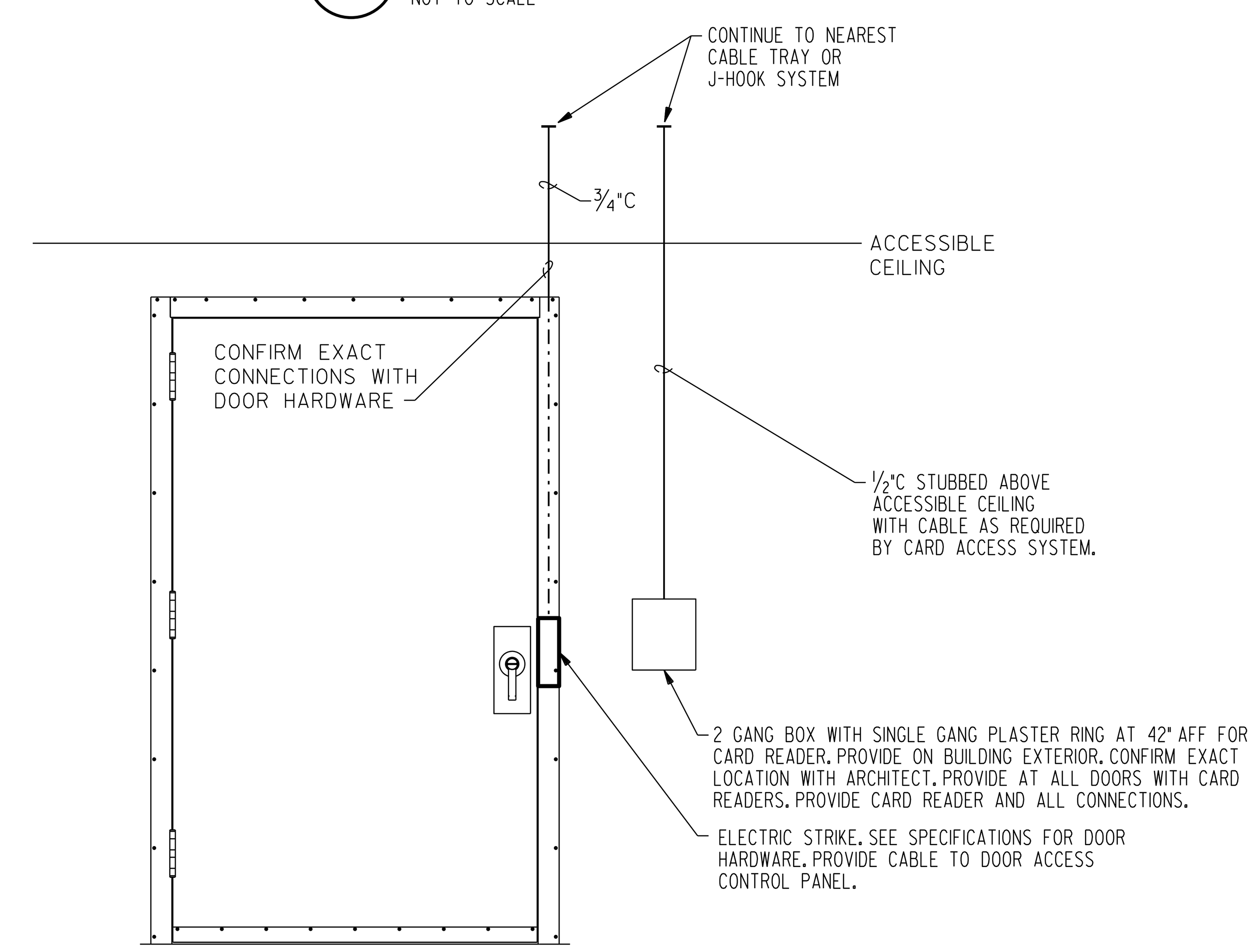


NOTES:

1. SPACING BETWEEN ℄ OF CONDUIT TO BE 1/2".
2. IF DUCTS ARE DEEPER THAN SHOWN, ADD SUFFICIENT LENGTH OF " DUCT BETWEEN BEND AND ADAPTER.
3. BEFORE POURING CONCRET AROUND DUCTS, TEMPORARILY INSTALL A 10' SECTION OF " IMC IN EACH DUCT AND FASTEN TO POLE OR BUILDING.

9 CONDUIT RISER AT POLE OR BUILDING

NOT TO SCALE



10 CARD ACCESS CONTROLLED DOORS-ELECTRICAL

NOT TO SCALE

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE

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sgrc SOUTHERN GEORGIA REGIONAL COMMISSION

GEORGIA REGISTERED PROFESSIONAL ENGINEER NO. 25892 SUSAN H. DAY

REV:	DATE:	REMARKS:
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DRAWN TAC
CHECKED SHD
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE BUILDING FOR:

SOUTHERN GEORGIA REGIONAL COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

DETAILS - ELECTRICAL

NORTH

DGN FILE
P:/18054/18054e801.dgn

DATE PLOTTED
08-FEB-2019

PATH\NAME: P:\00000 TECHNICAL COLLEGE PROJECTS\17007 ATC CARLTON PHASE II\DRAWINGS\A2.01 NE

MDP

208 / 120 3 PH, 4 WIRE
FED BY UTILITY TRANSFORMER
MAIN CIRCUIT BREAKER S.E. RATED
1000 AMPS WALL MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	250	3	4#250KCM	3"	PANEL R1	18100	1	20600			2	2500	FCU-1	1"	2#6	50	2	2
3			1#4G			17400	3		19900		4	2500	FAN COIL UNIT		1#10G			4
5						15945	5			21945	6	6000	FCU-2	1"	2#4	60	2	6
7	250	3	4#250KCM	3"	PANEL R2	8400	7	14400			8	6000	FAN COIL UNIT		1#8G			8
9			1#4G			7400	9		13400		10	6000	FCU-3	1"	2#4	60	2	10
11						4800	11			10800	12	6000	FAN COIL UNIT		1#8G			12
13	400	3	2 SETS:	3"	PANEL M2	29184	13	31684			14	2500	FCU-4A	1/2"	3#10	30	2	14
15			4#3/0			24064	15		26564		16	2500	FAN COIL UNIT					16
17			1#3G			18608	17			21108	18	2500	FCU-4B	1/2"	3#10	30	2	18
19	100	3	4#1	1 1/2"	PANEL L2	1200	19	3700			20	2500	FAN COIL UNIT					20
21			1#6G			2100	21		4600		22	2500	FCU-5	1/2"	3#10	30	2	22
23						1100	23			3600	24	2500	FAN COIL UNIT					24
25	100	3	4#1	1 1/2"	PANEL L1	2900	25	4900			26	2000	DCU-1/DAC-1	1/2"	3#10	30	2	26
27			1#6G			3700	27		5700		28	2000	ELEV MACH RM					28
29						2500	29			2920	30	420	FAN SF-1	1/2"	5#10	20	3	30
31	400	3	2 SETS:	3"	PANEL M1	29648	31	30068			32	420						32
33			4#3/0			29648	33		30068		34	420						34
35			1#3G			27148	35			27148	36		SPARE			60	3	36
37	60	3			SURGE		37	0			38							38
39					PROTECTIVE		39		0		40							40
41					DEVICE		41			0	42		SPACE					42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 116

	A	B	C
PANEL SECTION CONN V A	105352	100232	87521
PANEL SECTION CONN AMPS	877	835	729
MULTISECTION CONN V A	105352	100232	87521
MULTISECTION CONN AMPS	877	835	729

NOTES

R1 SECTION 1

208 / 120 3 PH, 4 WIRE
FED BY MDP
MLO SECTION 1 OF 3
250 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	20	1	#12	1/2"	FIRE ALARM	500	1	1700			2	1200	REC OFFICE 111	1/2"	#12	20	1	2
3	20	1	#12	1/2"	REC ELEC 116	200	3		1200		4	1000	REC OFFICE 113	1/2"	#12	20	1	4
5	20	1	#10	1/2"	FAN XF-1 STOR 155A	145	5			1545	6	1400	REC OFFICE 109	1/2"	#12	20	1	6
7	20	1	#12	1/2"	REC EXT MECH RM	200	7	1600			8	1400	REC OFFICE 114	1/2"	#12	20	1	8
9	20	1	#12	1/2"	REC CORR 161/166	800	9		1000		10	200	REC CED WORKRM	1/2"	#12	20	1	10
11	20	1	#12	1/2"	REC EXT CORR 161	200	11			400	12	200	REC CED WORKRM	1/2"	#12	20	1	12
13	20	1	#12	1/2"	REC OFFICE 110	1000	13	1200			14	200	REC CED WORKRM	1/2"	#12	20	1	14
15	20	1	#12	1/2"	REC OFFICE 112	1000	15		1200		16	200	REC CED WORKRM	1/2"	#12	20	1	16
17	20	1	#12	1/2"	REC OFFICE 108	1000	17			1200	18	200	REC CED WORKRM	1/2"	#12	20	1	18
19	20	1	#12	1/2"	REC OFFICE 102	1000	19	1200			20	200	REC CED WORKRM	1/2"	#12	20	1	20
21	20	1	#12	1/2"	REC OFFICE 104	1000	21		1400		22	400	REC MEDIA ROOM	1/2"	#12	20	1	22
23	20	1	#12	1/2"	REC OFFICE 100	1000	23			1200	24	200	REC MEDIA ROOM	1/2"	#12	20	1	24
25	20	1	#12	1/2"	REC OFFICE 105	1000	25	1200			26	200	REC MEDIA ROOM	1/2"	#12	20	1	26
27	20	1	#12	1/2"	REC OFFICE 107	1200	27		1400		28	200	REC MEDIA ROOM	1/2"	#12	20	1	28
29	20	1	#12	1/2"	REC OFFICE 101	1000	29			1200	30	200	REC MEDIA ROOM	1/2"	#12	20	1	30
31	20	1	#12	1/2"	REC PLOTTER RM	200	31	400			32	200	REC MEDIA ROOM	1/2"	#12	20	1	32
33	20	1	#12	1/2"	REC PLOTTER RM	200	33		800		34	600	REC RECEPTION	1/2"	#12	20	1	34
35	20	1	#12	1/2"	REC PLOTTER RM	200	35			600	36	400	REC LOBBY	1/2"	#12	20	1	36
37	20	1	#12	1/2"	REC PLOTTER RM	200	37	400			38	200	REC EXT LOBBY	1/2"	#12	20	1	38
39	20	1	#10	3/4"	ICE MACHINE	1000	39		1400		40	400	REC TOIL. 156/157	1/2"	#12	20	1	40
41	20	1	#10	3/4"	UNDERCAB REFR	1000	41			1400	42	400	EWC	1/2"	#12	20	1	42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 116

	A	B	C
PANEL SECTION CONN V A	7700	8400	7545
PANEL SECTION CONN AMPS	64	70	63
MULTISECTION CONN V A	18100	17400	15945
MULTISECTION CONN AMPS	151	145	133

NOTES
PROVIDE WITH FEED THRU LUGS.

R1 SECTION 2

208 / 120 3 PH, 4 WIRE
FED BY R1 SECTION 1
MLO SECTION 2 OF 3
250 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
43	20	1	#10	3/4"	REC CONF 150	800	1	1000			2	200	REC SERVING	3/4"	#10	20	1	44
45	20	1	#10	3/4"	REC CONF 150	800	3		1000		4	200	REC SERVING	3/4"	#10	20	1	46
47	20	1	#10	3/4"	REC CONF 150	800	5			1000	6	200	REC SERVING	3/4"	#10	20	1	48
49	20	1	#10	3/4"	REC CORR 162/163	800	7	1000			8	200	REC SERVING	3/4"	#10	20	1	50
51	20	1	#10	3/4"	REC CUSTODIAN	200	9		400		10	200	REC SERVING	3/4"	#10	20	1	52
53	20	1	#10	3/4"	REC TOIL. 123/124	400	11			600	12	200	REC SERVING	3/4"	#10	20	1	54
55	20	1	#10	3/4"	REC OFFICE 151	1200	13	1400			14	200	REC SERVING	3/4"	#10	20	1	56
57	20	1	#10	3/4"	REC OFFICE 152	1200	15		1400		16	200	REC SERVING	3/4"	#10	20	1	58
59	20	1	#10	3/4"	REC EXT CORR 163	200	17			400	18	200	REC SERVING	3/4"	#10	20	1	60
61	20	1	#12	1/2"	REC BREAK RM	400	19	1600			20	1200	HANDDRYER 123	3/4"	#10	20	1	62
63	20	1	#12	1/2"	REC BREAK RM	200	21		1400		22	1200	HANDDRYER 124	3/4"	#10	20	1	64
65	20	1	#12	1/2"	REC BREAK RM	200	23			1400	24	1200	REC LARGE MTG	1/2"	#12	20	1	66
67	20	1	#12	1/2"	REC BREAK RM	200	25	800			26	600	PROJ A LARGE MTG	1/2"	#12	20	1	68
69	20	1	#12	1/2"	REC BREAK RM	200	27		800		28	600	PROJ B LARGE MTG	1/2"	#12	20	1	70
71	20	1	#12	1/2"	REC EXT BRK RM	200	29			600	30	400	AVD MECH RM 200	3/4"	#10	20	1	72
73	20	1	#12	1/2"	REC BREAK RM	200	31	400			32	200	REC MECH RM 200	3/4"	#10	20	1	74
75	20	1	#12	1/2"	REC BREAK RM	200	33		200		34		SPARE TO MEZZ	3/4"	#10	20	1	76
77	20	1	#12	1/2"	HANDDRYER 157	1200	35			1600	36	400	REC MECH RM 115	1/2"	#12	20	1	78
79	20	1	#12	1/2"	HANDDRYER 157	1200	37	1600			38	400	ACP MECH RM 115	1/2"	#12	20	1	80
81	20	1	#12	1/2"	HANDDRYER 156	1200	39		1600		40	400	AVD MECH RM 115	1/2"	#12	20	1	82
83	20	1	#12	1/2"	HANDDRYER 156	1200	41			1400	42	200	EX FAN EF-1	1/2"	#10	20	1	84

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 116

	A	B	C
PANEL SECTION CONN V A	7800	6800	7000
PANEL SECTION CONN AMPS	65	57	58
MULTISECTION CONN V A	18100	17400	15945
MULTISECTION CONN AMPS	151	145	133

NOTES
PROVIDE WITH FEED THRU LUGS.

R1 SECTION 3

208 / 120 3 PH, 4 WIRE
FED BY R1 SECTION 2
MLO SECTION 3 OF 3
250 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
85	20	1	#10	3/4"	FAN SF-2	400	1	400			2		SPARE			20	1	86
87	20	1	#12	1/2"	REC MECH RM 115	400	3		400		4		SPARE			20	1	88
89	20	1	#12	1/2"	ACP MECH RM 115	400	5			400	6		SPARE			20	1	90
91	20	1	#12	1/2"	AVD MECH RM 115	400	7	400			8		SPARE			20	1	92
93	20	1	#12	1/2"	REC CONF RM 106	800	9		800		10		SPARE			20	1	94
95	20	1	#12	1/2"	REC CONF RM 106	600	11			600	12		SPARE			20	1	96
97	20	1	#12	1/2"	REC CONF RM 106	600	13	600			14		SPARE			20	1	98
99	20	1	#12	1/2"	DOOR 166	1000	15		1000		16		SPARE			20	1	100
101	20	1	#12	1/2"	LOBBY DISPLAY	400	17			400	18		SPARE			20	1	102
103	20	1	#12	1/2"	SOUND SYSTEM	1200	19	1200			20		SPARE			20	1	104
105	20	1			SPARE		21		0		22		SPARE			20	1	106
107	20	1			SPARE		23			0	24		SPARE			20	1	108
109	20	1			SPARE		25	0			26		SPARE			20	1	110
111	20	1			SPARE		27		0		28		SPARE			20	1	112
113	20	1			SPARE		29			0	30		SPARE			20	1	114
115	20	1			SPARE		31	0			32		SPARE			20	1	116
117	20	1			SPARE		33		0		34		SPARE			20	1	118
119	20	1			SPARE		35			0	36		SPARE			20	1	120
121	20	1			SPARE		37	0			38		SPARE			20	1	122
123	20	1			SPARE		39		0		40		SPARE			20	1	124
125	20	1			SPARE		41			0	42		SPARE			20	1	126

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 116

	A	B	C
PANEL SECTION CONN V A	2600	2200	1400
PANEL SECTION CONN AMPS	22	18	12
MULTISECTION CONN V A	18100	17400	15945
MULTISECTION CONN AMPS	151	145	133

NOTES

R2 SECTION 1

208 / 120 3 PH, 4 WIRE
FED BY MDP
MLO SECTION 1 OF 2
250 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	20	1	#12	1/2"	REC OFFICE 143	800	1	1200			2	400	REC MEDIA 130	1/2"	#12	20	1	2
3	20	1	#12	1/2"	REC OFFICE 145	800	3		1000		4	200	REC MEDIA 130	1/2"	#12	20	1	4
5	20	1	#12	1/2"	REC OFFICE 144	800	5			1000	6	200	REC MEDIA 130	1/2"	#12	20	1	6
7	20	1	#12	1/2"	REC OFFICE 146	1000	7	1400			8	400	REC MEDIA 130	1/2"	#12	20	1	8
9	20	1	#12	1/2"	REC OFFICE 142	800	9		1200		10	400	REC MEDIA 130	1/2"	#12	20	1	10
11	20	1	#12	1/2"	REC OFFICE 147	800	11			1800	12	1000	REC OFFICE 127	1/2"	#12	20	1	12
13	20	1	#12	1/2"	REC OFFICE 140	800	13	1800			14	1000	REC OFFICE 129	1/2"	#12	20	1	14
15	20	1	#12	1/2"	REC OFFICE 149	1000	15		2000		16	1000	REC OFFICE 125	1/2"	#12	20	1	16
17	20	1	#12	1/2"	REC ELEC RM	200	17			400	18	200	EX FAN EF-2	1/2"	#12	20	1	18
19	20	1	#12	1/2"	REC CORRIDOR	1200	19	1400			20	200	REC EXT MECH RM	1/2"	#12	20	1	20
21	20	1	#12	1/2"	REC EXT CORR 165	200	21		200		22		SPARE			20	1	22
23	20	1	#12	1/2"	REC OFFICE 133	800	23			800	24		SPARE			20	1	24
25	20	1	#12	1/2"	REC OFFICE 131	800	25	800			26		SPARE			20	1	26
27	20	1	#12	1/2"	REC OFFICE 135	800	27		800		28		SPARE			20	1	28
29	20	1	#12	1/2"	REC FILES STOR	400	29			400	30		SPARE			20	1	30
31	20	1	#12	1/2"	REC OFFICE 148	800	31	800			32		SPARE			20	1	32
33	20	1	#12	1/2"	REC OFFICE 136	800	33		800		34		SPARE			20	1	34
35	20	1	#12	1/2"	REC OFFICE 134	800	35			0	36		SPARE			20	1	36
37	20	1	#12	1/2"	REC OFFICE 132	800	37	0			38		SPARE			20	1	38
39	20	1	#12	1/2"	AVD MECH RM 141	400	39		400		40		SPARE			20	1	40
41	20	1	#12	1/2"	REC MECH RM 141	200	41			200	42		SPARE			20	1	42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 137

	A	B	C
PANEL SECTION CONN V A	7400	6400	4600
PANEL SECTION CONN AMPS	62	53	38
MULTISECTION CONN V A	8400	7400	4800
MULTISECTION CONN AMPS	70	62	40

NOTES
PROVIDE WITH FEED THRU LUGS.

R2 SECTION 2

208 / 120 3 PH, 4 WIRE
FED BY R2 SECTION 1
MLO SECTION 2 OF 2
250 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
43	20	1	#10	3/4"	GEN HEATER	1000	1	1000			2		SPARE			20	1	44
45	20	1	#10	3/4"	GEN BATT CHARGR	1000	3		1000		4		SPARE			20	1	46
47	20	1	#10	3/4"	GEN MISC CKT	200	5			200	6		SPARE			20	1	48
49	20	1			SPARE		7	0			8		SPARE			20	1	50
51	20	1			SPARE		9		0		10		SPARE			20	1	52
53	20	1			SPARE		11			0	12		SPARE			20	1	54
55	20	1			SPARE		13	0			14		SPARE			20	1	56
57	20	1			SPARE		15		0		16		SPARE			20	1	58
59	20	1			SPARE		17			0	18		SPARE			20	1	60
61	20	1			SPARE		19	0			20		SPARE			20	1	62
63	20	1			SPARE		21		0		22		SPARE			20	1	64
65	20	1			SPARE		23			0	24		SPARE			20	1	66
67	20	1			SPARE		25	0			26		SPARE			20	1	68
69	20	1			SPARE		27		0		28		SPARE			20	1	70
71	20	1			SPARE		29			0	30		SPARE			20	1	72
73	20	1			SPARE		31	0			32		SPARE			20	1	74
75	20	1			SPARE		33		0		34		SPARE			20	1	76
77	20	1			SPARE		35			0	36		SPARE			20	1	78
79	20	1			SPARE		37	0			38		SPARE			20	1	80
81	20	1			SPARE		39		0		40		SPARE			20	1	82
83	20	1			SPARE		41			0	42		SPARE			20	1	84

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 137

	A	B	C
PANEL SECTION CONN V A	1000	1000	200
PANEL SECTION CONN AMPS	8	8	2
MULTISECTION CONN V A	8400	7400	4800
MULTISECTION CONN AMPS	70	62	40

NOTES

M1

208 / 120 3 PH, 4 WIRE
FED BY MDP
MLO
400 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	30	2			SPARE		1	2500			2	2500	FCU-1	1"	2#6	50	2	2
3							3		2500		4	2500	FAN COIL UNIT		1#10G			4
5	40	2	2#8	3/4"	HP-2	2288	5			8288	6	6000	FCU-2	1"	2#4	60	2	6
7			1#10G		HEAT PUMP	2288	7	8288			8	6000	FAN COIL UNIT		1#8G			8
9	40	2	2#8	3/4"	HP-3	2288	9		8288		10	6000	FCU-3	1"	2#4	60	2	10
11			1#10G		HEAT PUMP	2288	11			8288	12	6000	FAN COIL UNIT		1#8G			12
13	25	2	3#10	3/4"	HP-4A	1352	13	3852			14	2500	FCU-4A	1/2"	3#10	30	2	14
15					HEAT PUMP	1352	15		3852		16	2500	FAN COIL UNIT					16
17	25	2	3#10	3/4"	HP-4B	1352	17			3852	18	2500	FCU-4B	1/2"	3#10	30	2	18
19					HEAT PUMP	1352	19	3852			20	2500	FAN COIL UNIT					20
21	25	2	3#10	3/4"	HP-5	1352	21		3852		22	2500	FCU-5	1/2"	3#10	30	2	22
23					HEAT PUMP	1352	23			3852	24	2500	FAN COIL UNIT					24
25	40	2	2#8	3/4"	HP-6	2288	25	8288			26	6000	FCU-6	1"	2#4	60	2	26
27			1#10G		HEAT PUMP	2288	27		8288		28	6000	FAN COIL UNIT		1#8G			28
29	30	3	5#10	3/4"	HP-1	2580	29			2868	30	288	FAN SF-1	3/4"	5#10	20	3	30
31					HEAT PUMP	2580	31	2868			32	288						32
33						2580	33		2868		34	288						34
35	20	1			SPARE		35			0	36		SPARE			60	3	36
37	30	3			SURGE		37	0			38							38
39					PROTECTIVE		39		0		40							40
41					DEVICE		41			0	42		SPARE			20	1	42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 116

	A	B	C
PANEL SECTION CONN V A	29648	29648	27148
PANEL SECTION CONN AMPS	247	247	226
MULTISECTION CONN V A	29648	29648	27148
MULTISECTION CONN AMPS	247	247	226

NOTES

M2

208 / 120 3 PH, 4 WIRE
FED BY MDP
MLO
400 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	30	2	2#8	3/4"	HP-7	2288	1	8288			2	6000	FC-7	1"	2#4	60	2	2
3			1#10G		HEAT PUMP	2288	3		8288		4	6000	FAN COIL UNIT		1#8G			4
5	30	2	2#6	1"	HP-8	3120	5			9120	6	6000	FC-8	1"	2#4	60	2	6
7			1#10G		HEAT PUMP	3120	7	9120			8	6000	FAN COIL UNIT		1#8G			8
9	30	2			SPARE		9		6000		10	6000	FC-9	1"	2#4	60	2	10
11							11			6000	12	6000	FAN COIL UNIT		1#8G			12
13	40	2	2#8	3/4"	HP-10	2288	13	8288			14	6000	FC-10	1"	2#4	60	2	14
15			1#10G		HEAT PUMP	2288	15		8288		16	6000	FAN COIL UNIT		1#8G			16
17	30	2	3#10	1/2"	DCU-3/DAC-3	2000	17			2000	18		SPARE			60	2	18
19					ELEC RM 137	2000	19	2000			20							20
21	30	3	5#10	1/2"	FAN SF-3	288	21		288		22		SPACE					22
23						288	23			288	24		SPACE					24
25						288	25	288			26		SPACE					26
27	20	3	5#10	3/4"	HP-9	1200	27		1200		28		SPACE					28
29					HEAT PUMP	1200	29			1200	30		SPACE					30
31						1200	31	1200			32		SPACE					32
33					SPACE		33		0		34		SPACE					34
35					SPACE		35			0	36		SPACE					36
37	30	3			SURGE		37	0			38		SPACE					38
39					PROTECTIVE		39		0		40		SPACE					40
41					DEVICE		41			0	42		SPACE					42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 137

	A	B	C
PANEL SECTION CONN V A	29184	24064	18608
PANEL SECTION CONN AMPS	243	200	155
MULTISECTION CONN V A	29184	24064	18608
MULTISECTION CONN AMPS	243	200	155

NOTES

L1

208 / 120 3 PH, 4 WIRE
FED BY MDP
MLO
100 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	20	1	#10	3/4"	LTS BRK/TOILETS	1200	1	1200			2		SPARE			20	1	2
3	20	1	#10	3/4"	LTS LARGE MTG	1200	3		1200		4		SPARE			20	1	4
5	20	1	#10	3/4"	LTS EXT FRONT	300	5			300	6		SPARE			20	1	6
7	20	1	#10	3/4"	LTS LOBBY/TOILETS	1000	7	1000			8		SPARE			20	1	8
9	20	1	#10	3/4"	LTS CORR 162/166	1400	9		1400		10		SPARE			20	1	10
11	20	1	#10	3/4"	LTS ELEC/SERVER	200	11			200	12		SPARE			20	1	12
13	20	1	#10	3/4"	LTS MEDIA/RECEPT	600	13	600			14		SPARE			20	1	14
15	20	1	#10	3/4"	LTS OFFICES	1000	15		1000		16		SPARE			20	1	16
17	20	1	#10	3/4"	LTS OFFICES	1000	17			1000	18		SPARE			20	1	18
19	20	1	#10	3/4"	LTS CORR 161	100	19	100			20		SPARE			20	1	20
21	20	1	#10	3/4"	EXT LT DR 161	100	21		100		22		SPARE			20	1	22
23	20	1	#10	3/4"	LTS EXT BACK	1000	23			1000	24		SPARE			20	1	24
25	20	1			SPARE		25	0			26		SPARE			20	1	26
27	20	1			SPARE		27		0		28		SPARE			20	1	28
29	20	1			SPARE		29			0	30		SPARE			20	1	30
31	20	1			SPARE		31	0			32		SPARE			20	1	32
33	20	1			SPARE		33		0		34		SPARE			20	1	34
35	20	1			SPARE		35			0	36		SPARE			20	1	36
37	20	1			SPARE		37	0			38		SPARE			20	1	38
39	20	1			SPARE		39		0		40		SPARE			20	1	40
41	20	1			SPARE		41			0	42		SPARE			20	1	42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 116

	A	B	C
PANEL SECTION CONN V A	2900	3700	2500
PANEL SECTION CONN AMPS	24	31	21
MULTISECTION CONN V A	2900	3700	2500
MULTISECTION CONN AMPS	24	31	21

NOTES

L2

208 / 120 3 PH, 4 WIRE
FED BY MDP
MLO
100 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	20	1	#12	1/2"	LTS DR 164/164A	100	1	100			2		SPARE			20	1	2
3	20	1	#12	1/2"	LTS OFFICES	1200	3		1200		4		SPARE			20	1	4
5	20	1	#12	1/2"	LTS OFFICES	800	5			800	6		SPARE			20	1	6
7	20	1	#12	1/2"	LTS OFFICES	800	7	800			8		SPARE			20	1	8
9	20	1	#12	1/2"	LTS CORRIDORS	900	9		900		10		SPARE			20	1	10
11	20	1	#10	1/2"	LTS EXT MECH YD	300	11			300	12		SPARE			20	1	12
13	20	1	#10	1/2"	LTS EXT PARKING	300	13	300			14		SPARE			20	1	14
15	20	1			SPARE		15		0		16		SPARE			20	1	16
17	20	1			SPARE		17			0	18		SPARE			20	1	18
19	20	1			SPARE		19	0			20		SPARE			20	1	20
21	20	1			SPARE		21		0		22		SPARE			20	1	22
23	20	1			SPARE		23			0	24		SPARE			20	1	24
25	20	1			SPARE		25	0			26		SPARE			20	1	26
27	20	1			SPARE		27		0		28		SPARE			20	1	28
29	20	1			SPARE		29			0	30		SPARE			20	1	30
31	20	1			SPARE		31	0			32		SPARE			20	1	32
33	20	1			SPARE		33		0		34		SPARE			20	1	34
35	20	1			SPARE		35			0	36		SPARE			20	1	36
37	20	1			SPARE		37	0			38		SPARE			20	1	38
39	20	1			SPARE		39		0		40		SPARE			20	1	40
41	20	1			SPARE		41			0	42		SPARE			20	1	42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 137

	A	B	C
PANEL SECTION CONN V A	1200	2100	1100
PANEL SECTION CONN AMPS	10	17	9
MULTISECTION CONN V A	1200	2100	1100
MULTISECTION CONN AMPS	10	17	9

NOTES

E1

208 / 120 3 PH, 4 WIRE
FED BY MDP AND GENERATOR VIA ATS-C
MAIN BREAKER
250 AMPS SURFACE MOUNTED

CKT	TRIP	POLE	WIRE	CD.	SERVES	VOLT-AMPS	POLE	PHASE LOAD V.A. A	B	C	POLE	VOLT-AMPS	SERVES	CD.	WIRE	TRIP	POLE	CKT
1	20	1	#12	1/2"	REC DATA RACKS	800	1	2800			2	2000	DATA RACK	3/4"	#10	30	2	2
3	20	1	#12	1/2"	REC DATA RACKS	800	3		2800		4	2000						4
5	20	1	#12	1/2"	REC DATA RACKS	800	5			2800	6	2000	DATA RACK	3/4"	#10	30	2	6
7	20	1	#12	1/2"	REC DATA RACKS	800	7	2800			8	2000						8
9	20	1	#12	1/2"	REC DATA RACKS	800	9		2800		10	2000	DCU-1/DAC-1	1/2"	3#10	30	2	10
11	20	1	#12	1/2"	REC DATA RACKS	800	11			2800	12	2000	SERVER ROOM					12
13	20	1	#12	1/2"	REC DATA RACKS	800	13	2800			14	2000	DCU-2/DAC-2	1/2"	3#10	30	2	14
15	20	1	#12	1/2"	REC DATA RACKS	800	15		2800		16	2000	SERVER ROOM					16
17	20	1	#12	1/2"	REC SERVER RM	800	17			800	18		SPARE			20	1	18
19	20	1	#12	1/2"	REC SERVER RM	800	19	800			20		SPARE			20	1	20
21	20	1	#12	1/2"	REC SERVER RM	800	21		800		22		SPARE			20	1	22
23	20	1	#12	1/2"	REC SERVER RM	800	23			800	24		SPARE			20	1	24
25	20	1	#12	1/2"	REC SERVER RM	800	25	800			26		SPARE			20	1	26
27	20	1	#12	1/2"	REC SERVER RM	800	27		800		28		SPARE			20	1	28
29	20	1	#12	1/2"	REC SERVER RM	800	29			800	30		SPARE			20	1	30
31	20	1	#12	1/2"	REC SERVER RM	800	31	800			32		SPARE			20	1	32
33	20	1			SPARE		33		0		34		SPARE			20	1	34
35	20	1			SPARE		35			0	36		SPARE			20	1	36
37	20	1			SPARE		37	0			38		SPARE			20	1	38
39	20	1			SPARE		39		0		40		SPARE			20	1	40
41	20	1			SPARE		41			0	42		SPARE			20	1	42

Minimum KAIC: 42
LOCATION: ELECTRICAL ROOM 116

	A	B	C
PANEL SECTION CONN V A	10800	10000	8000
PANEL SECTION CONN AMPS	90	83	67
MULTISECTION CONN V A	10800	10000	8000
MULTISECTION CONN AMPS	90	83	67

NOTES
PANEL IS ON STAND-BY POWER, FOR SERVER ROOM.
NON-LIFE SAFETY.

Ellis, Ricket & Associates
era
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2200 N. PATTERSON STREET
P. O. BOX 3010
VALDOSTA, GEORGIA 31604
TEL. (229) 242-3556
FAX (229) 245-1990

sgrc
SOUTHERN GEORGIA
REGIONAL COMMISSION

NO. 29992
SUSAN H. DAY

REV:	DATE:	REMARKS:
	10-31-18	DD REVIEW SET
	12-06-18	100% REVIEW SET
	02-04-19	100% BID SET

DRAWN TAC
CHECKED SHD
JOB NO. 18004
DATE 10-02-18

A NEW OFFICE
BUILDING FOR:

SOUTHERN
GEORGIA
REGIONAL
COMMISSION

VALDOSTA, GA

SCALE: AS SHOWN

PANELBOARD SCHEDULES - ELECTRICAL

NORTH

E8.01