

# DeKALB COUNTY FIRE STATION No.7

1712 COLUMBIA DRIVE  
DECATUR, GA 30032



BY

**BROWN DESIGN GROUP, INC.**  
ARCHITECTS \* ENGINEERS \* PLANNERS

3099 WASHINGTON ROAD \* ATLANTA, GEORGIA 30344  
(404)559-1805 \* FAX (404)761-0020  
[www.thebrowndesigngroup.com](http://www.thebrowndesigngroup.com)



REVISION 2 110619

100% SUBMISSION  
JANUARY 30, 2020

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ISSUED FOR CONSTRUCTION

TS1

BUILDING INFO:	
FIRE STATION #7	
OCCUPANCY CLASSIFICATION (IBC): MIXED USED, SEPARATED	
BUSINESS GROUP B; RESIDENTIAL GROUP R-2; LOW-HAZARD STORAGE GROUP S-2	
OCCUPANCY CLASSIFICATION (NFPA 101):	
BUSINESS	
RESIDENTIAL - LODGING OR ROOMING HOUSE	
STORAGE	
CALCULATED OCCUPANT LOAD:	186
BUILDING AREA	
BUILDING AREA (SQ. FT.)	15,340
COVERED PORCH (SQ. FT.)	236
TOTAL (SQ. FT.)	15,576
CONSTRUCTION CLASSIFICATION	
TYPE OF CONSTRUCTION:	TYPE II-B
SPRINKLERED: (YES OR NO)	YES
BUILDING HEIGHT	
NUMBER OF STORIES:	2
BUILDING HEIGHT (FT.):	42

PROJECT SCOPE:
CONSTRUCT NEW 3 BAY FACILITY FOR DEKALB COUNTY.

PROJECT INFO:	
OWNER:	DEKALB COUNTY GOVERNMENT 750 COMMERCE DRIVE, SUITE 401 DECATUR GA, 30030 CONTACT: RODNEY REESE DEKALB COUNTY COMMUNITY DEVELOPMENT DEPARTMENT (404) 371 - 2727
CIVIL:	PARAMOUNT ENGINEERING, LLC 120 NORTH McDONOUGH STREET JONESBORO, GA 30236 CONTACT: GEORGE P. HARPER III, P.E. (770) 473 - 9576
ARCHITECT:	BROWN DESIGN GROUP, INC. 3099 WASHINGTON ROAD EAST POINT, GA 30344 CONTACT: COY L. COOPER, JR. RA (404) 559 - 1805
STRUCTURAL:	SFA & ASSOCIATES, LLC 502 WYNBROOKE PARKWAY STONE MOUNTAIN, GA 30087 CONTACT: BASIL SMITH (770) 879-6200
MECH/PLUMB/ ELEC.:	ENGINEERING CONSULTANT SERVICES, INC. 3820 SATELLITE BLVD, SUITE 103 DULUTH, GA 30096 CONTACT: WINSTON RICHARDS (770) 623-0353

PROJECT INFO:	
BUILDING AMENDMENTS)	2012 IBC (W/ 2014, 2015, 2017, 2018 GA AMENDMENTS)
STRUCTURAL	2012 IBC (W/ GA AMENDMENTS)
MECHANICAL	2012 IMC (W/ 2014, 2015 GA AMENDMENTS)
ELECTRICAL	2017 NEC
PLUMBING	2012 IPC (W/ 2014, 2015 GA AMENDMENTS)
ACCESSIBILITY	2010 ADAAG W/ 1997 GA ACCESSIBILITY CODE
FIRE	2012 IFC (W/ 2014 AMENDMENTS)
LIFE SAFETY	2012 NFPA 101 LIFE SAFETY CODE
ENERGY	2009 IECC (W/ 2011, 2012 GA SUPPLEMENTS AND AMENDMENTS)
GAS	2012 IFGC (W/ 2014, 2015 GA AMENDMENTS)





# SITE DEVELOPMENT PLANS FOR DEKALB COUNTY FIRE STATION #7

Address: 1712 COLUMBIA DRIVE, DEKALB COUNTY, GA  
ROAD PROPERTY ZONED: OI (OFFICE-INSTITUTIONAL)

PARCEL ID# 15 187 05 004, 15 187 05 059 & 15 187 05 061 (LOTS TO BE COMBINED)  
DEKALB COUNTY PROJECT AP# 1243479

### PROJECT NARRATIVE:

THE SITE IS TO BE CLEARED, GRUBBED AND GRADED TO CONSTRUCT A FIRE STATION FACILITY. THE DRIVE WILL BE PAVED WITH 8" CONCRETE AND THE PARKING AREAS WITH LIGHT-DUTY ASPHALT. ALL UTILITIES ARE TO BE INSTALLED WITH THIS PROJECT. A DETENTION/ WATER QUALITY POND WILL BE CONSTRUCTED TO TREAT POST-DEVELOPED STORMWATER. NO STREAM BUFFERS WILL BE DISTURBED DURING DEVELOPMENT.

### NOTES:

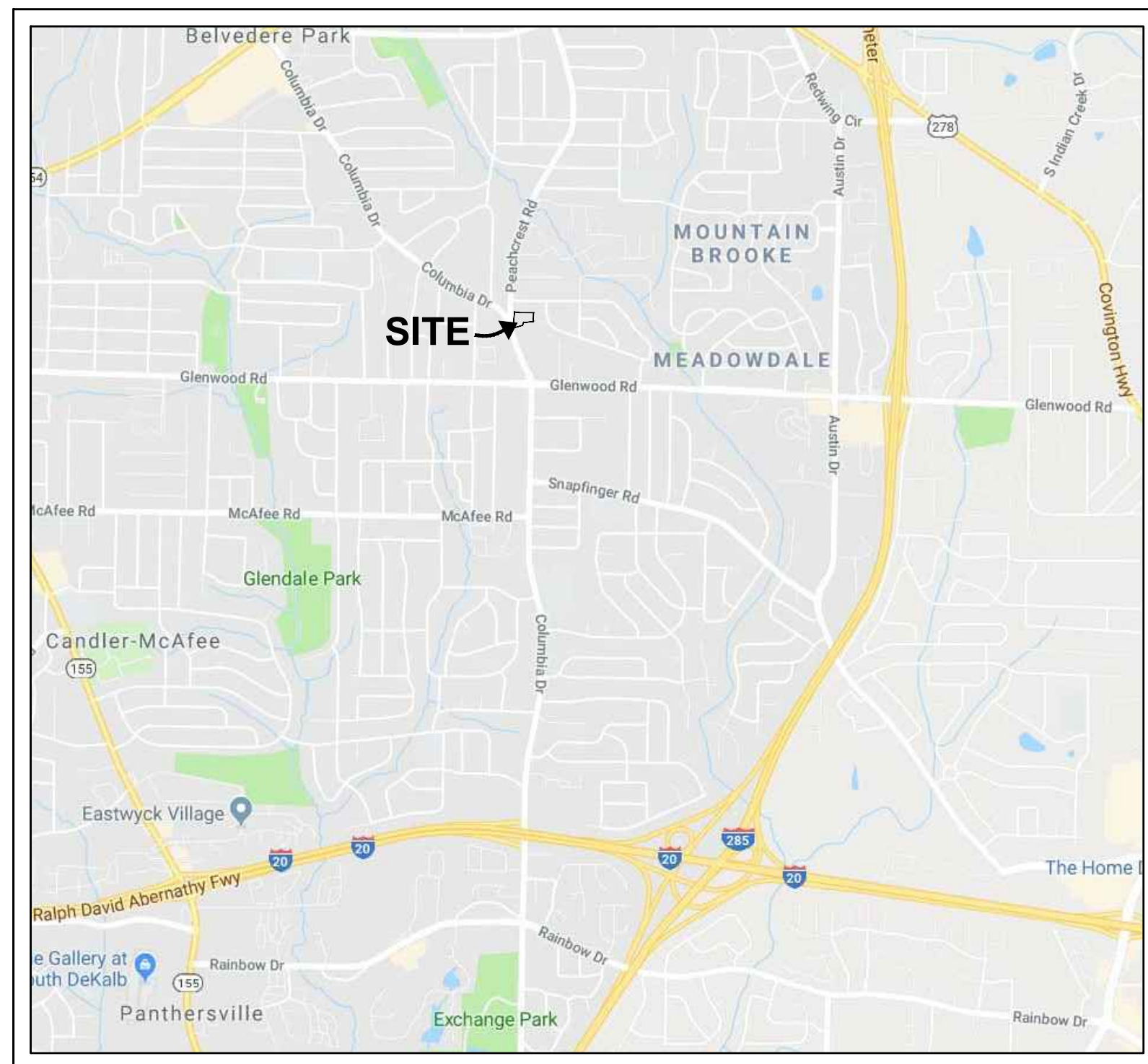
- ALL WORK SHALL COMPLY WITH DEKALB COUNTY REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- CONTRACTOR SHALL OBTAIN ALL PERMITS BEFORE CONSTRUCTION BEGINS.
- PROPERTY IS ZONED OI (OFFICE-INSTITUTIONAL).
- PROPOSED BUILDING: 11,928 SF.
- TOTAL SITE AREA- 2.21 Acres, TOTAL DISTURBED AREA- 1.84 Acres
- PROPOSED USE FOR FACILITY: FIRE STATION.
- CONTRACTOR WILL BE RESPONSIBLE TO CALL UTILITY PROTECTION CENTER PRIOR TO ANY EXCAVATION: 811.
- CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE LOCATION AND EXISTENCE OF ALL UTILITIES PRIOR TO COMMENCING ANY CONSTRUCTION.
- FILL MATERIAL IS TO BE PLACED IN 6" LIFTS AND COMPACTED TO 95% MAXIMUM STANDARD PROCTOR DENSITY.
- WATER SERVICE PROVIDED BY DEKALB COUNTY WATER AUTHORITY.
- SANITARY SEWER SERVICE PROVIDED BY DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT.
- MAXIMUM CUT/FILL 2.04:1V.
- BOUNDARY & TOPOGRAPHY TAKEN FROM SURVEY BY MORELAND ALTOBELLI ASSOCIATES, INC., DATE: 07-09-18.
- SETBACKS: FRONT-20' SIDE & REAR-20'
- THERE ARE NO STATE WATERS LOCATED ON OR WITHIN 200' OF THE SITE.
- THERE ARE NO WETLANDS LOCATED ON OR WITHIN 200' OF THIS SITE.
- AREAS USED AS BURIAL PITS DURING DEVELOPMENT MUST BE LOCATED OUTSIDE THE RIGHT-OF-WAY AND ARE TO BE LOCATED AND IDENTIFIED ON THE FINAL PLAT. GA DNR EPD REQUIREMENTS ARE TO BE MET: "NO PORTION OF WASTE DISPOSAL SHALL BE LOCATED WITHIN 100 LINEAR FEET OF ANY PROPERTY LINE OR ENCLOSED STRUCTURE."
- DEKALB COUNTY APN: 15 187 05 004, 15 187 05 059, 15 187 05 061 (LOTS TO BE COMBINED).
- TOTAL BUILDING AREA (0.27 AC.) = 11,928 SF = 12% OF SITE  
PROP. PAVED AREA (0.64 AC.) = 27,870 SF = 29% OF SITE  
TOTAL IMPERVIOUS AREA (0.91 AC.) = 39,798 SF = 41% OF SITE
- TOTAL NO. OF PARKING SPACES REQUIRED:  
MIN: 1 SPACE PER EACH FLEET VEHICLE (5) + 0.5 SPACE PER ADMIN/SERVICE EMPLOYEE (20) = 15 SPACES  
MAX: 1 SPACE PER EACH FLEET VEHICLE (5) + 0.75 SPACE PER ADMIN/SERVICE EMPLOYEE (20) = 20 SPACES  
TOTAL NO. OF PARKING SPACES PROVIDED (PER FIRE CHIEF): 31 SPACES PROVIDED: 29-9'x18' SPACES PLUS 2-9'x18' HANDICAPPED SPACES W/ ACCESS AISLE.
- ALL RADII ARE MEASURED TO THE FACE OF CURB.
- PLANS ARE REVIEWED IN GENERAL SPECIFIC DETAILS AND CALCULATIONS MAY NOT BE CHECKED. THE ENGINEER'S STAMP AND SIGNATURE GUARANTEES THE ACCURACY OF THE CALCULATIONS AND DESIGN. PLAN APPROVAL DOES NOT OBLIGATE THE COUNTY TO ACCEPT THE WORK, NOR DOES IT RELIEVE THE DEVELOPER AND/OR ENGINEER FROM COMPLIANCE WITH ANY OTHER COUNTY, STATE OR FEDERAL ORDINANCES AND LAWS. PLAN APPROVAL DOES NOT RELIEVE THE DEVELOPER FROM THE RESPONSIBILITY FROM DAMAGES TO ADJACENT OR DOWNSTREAM PROPERTY RESULTING FROM THIS DEVELOPMENT.
- "WETLANDS SHOWN ON THIS PLAN, IF ANY, ARE UNDER THE JURISDICTION OF THE U.S. ARMY CORPS OF ENGINEERS. LOT OWNERS MAY BE SUBJECT TO PENALTY BY LAW FOR DISTURBANCE TO THESE WETLAND AREAS WITHOUT PROPER AUTHORIZATION."
- THE OWNER/DEVELOPER ACKNOWLEDGES THAT SHOULD THE FINAL GRADING OF ANY POND RESULT IN A DEPTH GREATER THAN FOUR FEET, THE POND WILL BE ENCLOSED WITHIN A SECURITY FENCE (MIN. OF FIVE FEET) WITH A DOUBLE GATE FOR MAINTENANCE.
- THE OWNER/DEVELOPER AND ENGINEER HAVE REVIEWED THE APPROPRIATE LOCAL, STATE, AND FEDERAL REGULATIONS REGARDING DEVELOPMENT ACTIVITIES ADJACENT TO FLOODPLAINS, STATE WATERS, AND WETLANDS AND HAVE DETERMINED THAT THIS DEVELOPMENT PLAN SATISFIES THE STANDARDS PRESENTED IN ALL APPLICABLE REGULATIONS."
- WHEN THE SITE IS STABILIZED AND AT THE DIRECTION OF THE COUNTY ENGINEER, THE DEVELOPER IS TO REMOVE THE SEDIMENT BASINS/ SEDIMENT CONTROLS AND STABILIZE THE DISTURBED AREAS.
- ANY REVISIONS TO THE PLANS AFTER THE INITIAL SUBMITTAL, OTHER THAN THE RESPONSE TO THE PLAN REVIEW COMMENTS, WILL BE INDICATED AS REVISIONS AND SUBMITTED WITH A WRITTEN EXPLANATION OF THE REVISIONS AND THE REASONS THEREFORE.
- ANY VARIATIONS FROM THE PERMITTED PLANS, CHANGES IN DESIGN RESULTING FROM FIELD CONDITIONS, OR SUBSTITUTION OF CONSTRUCTION MATERIALS ARE TO BE REVIEWED AND APPROVED BY THE RESPONSIBLE DESIGN ENGINEER AND DEKALB COUNTY COMMUNITY DEVELOPMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL PERMITS HAVE BEEN OBTAINED PRIOR TO BEGINNING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR ALL TIE-INS TO THE BUILDINGS INCLUDING BUT NOT LIMITED TO DOWNSPOUTS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING AND CONSTRUCTING ALL UTILITY RELOCATIONS AS NECESSARY.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO WORK ALL APPLICABLE DRAWINGS AND APPROPRIATE SPECIFICATIONS AS A UNIT, ANY OMISSIONS, DELETIONS, OR CONFLICTS WITH ARISING AS A RESULT OF FAILURE TO INCORPORATE ALL DRAWINGS AND SPECIFICATIONS WHICH APPLY SHALL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER AND/OR ENGINEER.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND ELEVATIONS OF EXISTING AND PROPOSED STRUCTURES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY FOR THE CONSTRUCTION TO BE IN ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL APPLICABLE CODES, FIRE MARSHAL, AND HANDICAP REQUIREMENTS INCLUDING BUT NOT LIMITED TO THE FEDERAL FAIR HOUSING ACT, LOCAL AND STATE ACCESSIBILITY, DEPT. OF COMMUNITY AFFAIRS AND ALL LENDING INSTITUTION REQUIREMENTS. THE AMERICANS WITH DISABILITIES ACT AND ALL AMENDMENTS.
- THIS PROJECT WILL BE PUBLICLY FUNDED.
- OWNER TO OBTAIN ALL OFF-SITE EASEMENTS PRIOR TO CONSTRUCTION.
- A LIGHTING PLAN IS TO BE PREPARED BY OTHERS.

PROP. BUILDING- 11,928 SF. (1-STORY)  
TOTAL SITE AREA- 2.21 Ac.  
TOTAL DISTURBED AREA- 1.84 Ac. (83%)  
TOTAL IMPERVIOUS AREA- 0.91 Ac. (41%)  
NPDES FEES:  
DEKALB CO. (\$40 X 1.84) = \$73.60  
E.P.D. (\$40 X 1.84) = \$73.60

### ENGINEER'S CERTIFICATION STATEMENT:

With my initials at the line above and my seal and signature below, I George Harper, a professional Engineer licensed in the State of Georgia, hereby certify that I have personally reviewed the attached submittal plans for a land disturbance permit. In my opinion these submittal plans meet all applicable regulations and ordinances of Dekalb County, Dekalb County and other affected parties may rely on this certification.

Signed: *George Harper* Georgia Registration# 29411



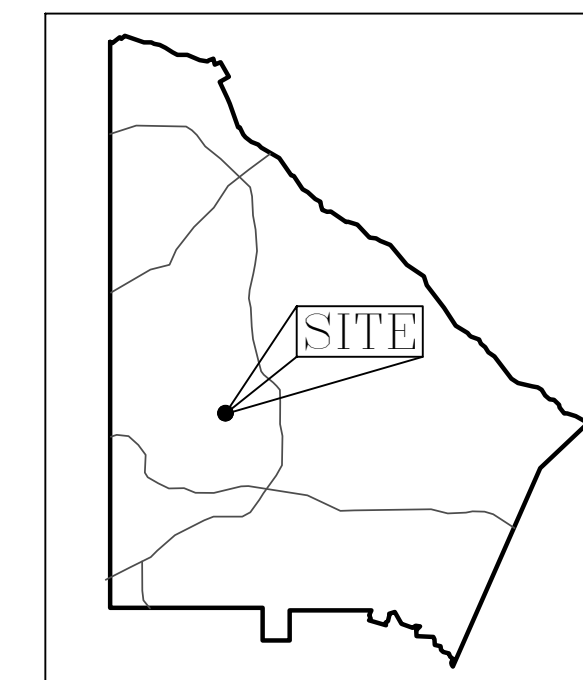
### Location Map N.T.S.

MUD AND SILT ARE STRICTLY PROHIBITED FROM LEAVING THIS SITE.

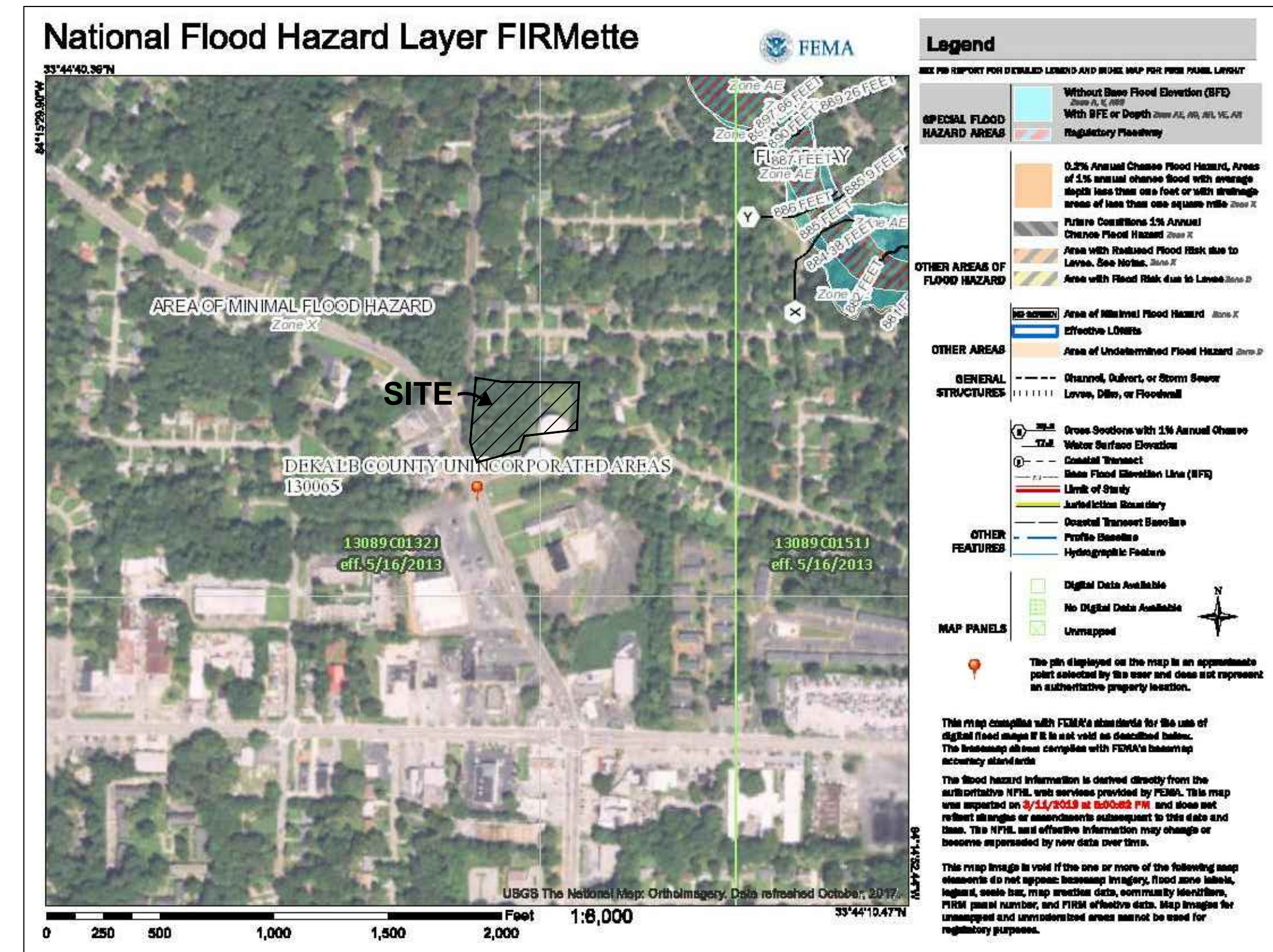
LEGEND	
P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT
P.L. PROPERTY LINE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE
L.L.L. LAND LOT LINE	EX. WATER METER
B.O.C. BACK OF CURB	PR. WATER VALVE
E.O.P. EDGE OF PAVEMENT	WATER METER
T.W. TOP OF WALL	WATER METER
B.W. BOTTOM OF WALL	WATER METER
D.E. DRAINAGE EASEMENT	ELECTRIC BOX
(S) SANITARY SEWER MANHOLE - SA	FLARED END SECTION
(JB) JUNCTION BOX (JB)	SANITARY SEWER LINE - SSS
DOUBLE-WING CATCHBASIN (DWCB)	WATER LINE - W
SINGLE-WING CATCHBASIN (SWCB)	WATER LINE - W
DROP INLET (DI)	SIGN
HEADWALL	FENCE
DRAINAGE FLOW	LT-DUTY ASPHALT PAVING
LIGHT POLE (LP)	HEAVY-DUTY ASPHALT PAVING
POWER POLE (PP)	

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013

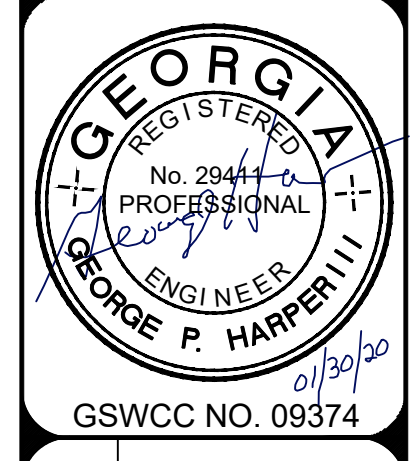


Dekalb Co. Map



**CAUTION**  
THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20



GSWCC NO. 09374

### INDEX

- C1. COVER SHEET.
- C1-1. BOUNDARY & TOPOGRAPHIC SURVEY.
- C2. EX. CONDITIONS / DEMOLITION PLAN.
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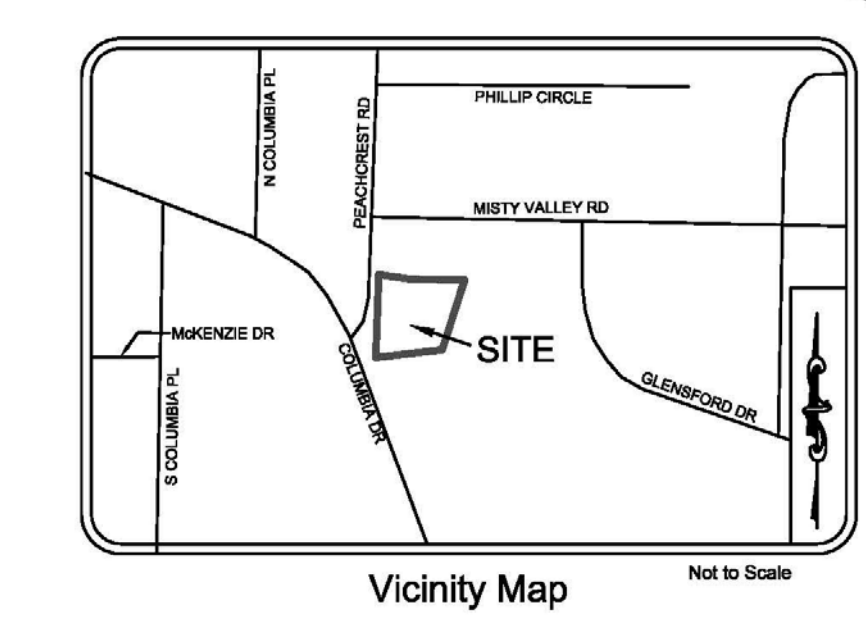
COVER SHEET  
DEKALB COUNTY  
FIRE STATION NO.7  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

BROWN DESIGN GROUP  
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(404) 464-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN : GPH  
SCALE: N.T.S.  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #:280918-DEKALB FS#7  
SHEET  
C1





**Legend**

BSL	Building setback line	Electric box
CLF	Chain link fence	Electric meter
CMP	Corrugated metal pipe	Fire department connection
CONC	Concrete	Curb inlet
EP	Edge of pavement	Mail box
HK	Hickory	Sanitary sewer manhole
IE	Invert elevation	Electric manhole
MH	Manhole	Water valve
NF	Now or formerly	Water meter
O	Oak	Guy wire
OTF	Open top pipe found	Light pole
PI	Pine	Power pole
RW	Right of way	Drop inlet
RCP	Rainfall concrete pipe	Iron pin found
WF	Wood fence	Fiber optic marker
TP	Telephone pedestal	Sign
UT	Underground telephone line	Telephone manhole
W	Water pipe	Fire hydrant
W	Water pipe	Building overhang/canopy
W	Water pipe	Chain link fence
W	Water pipe	Wood fence
W	Water pipe	Sanitary sewer line
W	Water pipe	Overhead power line
W	Water pipe	Underground gas line
W	Water pipe	Underground telephone line
W	Water pipe	Water pipe
W	Water pipe	Adjacent property line
W	Water pipe	Parcel
W	Water pipe	Right-of-way
W	Water pipe	Centerline

**Survey Notes**

A Topcon GTS-313 (total station), Topcon traversing equipment, a 200 foot tape were used to obtain the angular and linear measurements for this survey.

The field data upon which this plat is based has a closure precision of one foot in 21,660 feet, an angular error of 2 seconds per angle point, and was adjusted using least square.

This plat has been calculated for closure and found to be accurate within one foot in 208,124 feet.

Property as shown creates a mathematically closed figure without any gores, gapes, or overlaps.

The property has direct access to Peachcrest Road which is an accepted public street or highway.

**FLOOD NOTE:**

By graphic plotting only, this property is in zone "X" Flood Insurance Rate Map Number 13089C0132J which bears an effective date of May 16, 2013 and is NOT in a special flood hazard area by contact dated May 4, 2017 to the National Flood Insurance Program <http://www.fema.gov> we have learned this community does currently participate in the program, no field surveying was performed to determine this zone and an elevation certificate may be needed to verify this determination or apply for a variance from the Federal Emergency Management Agency.

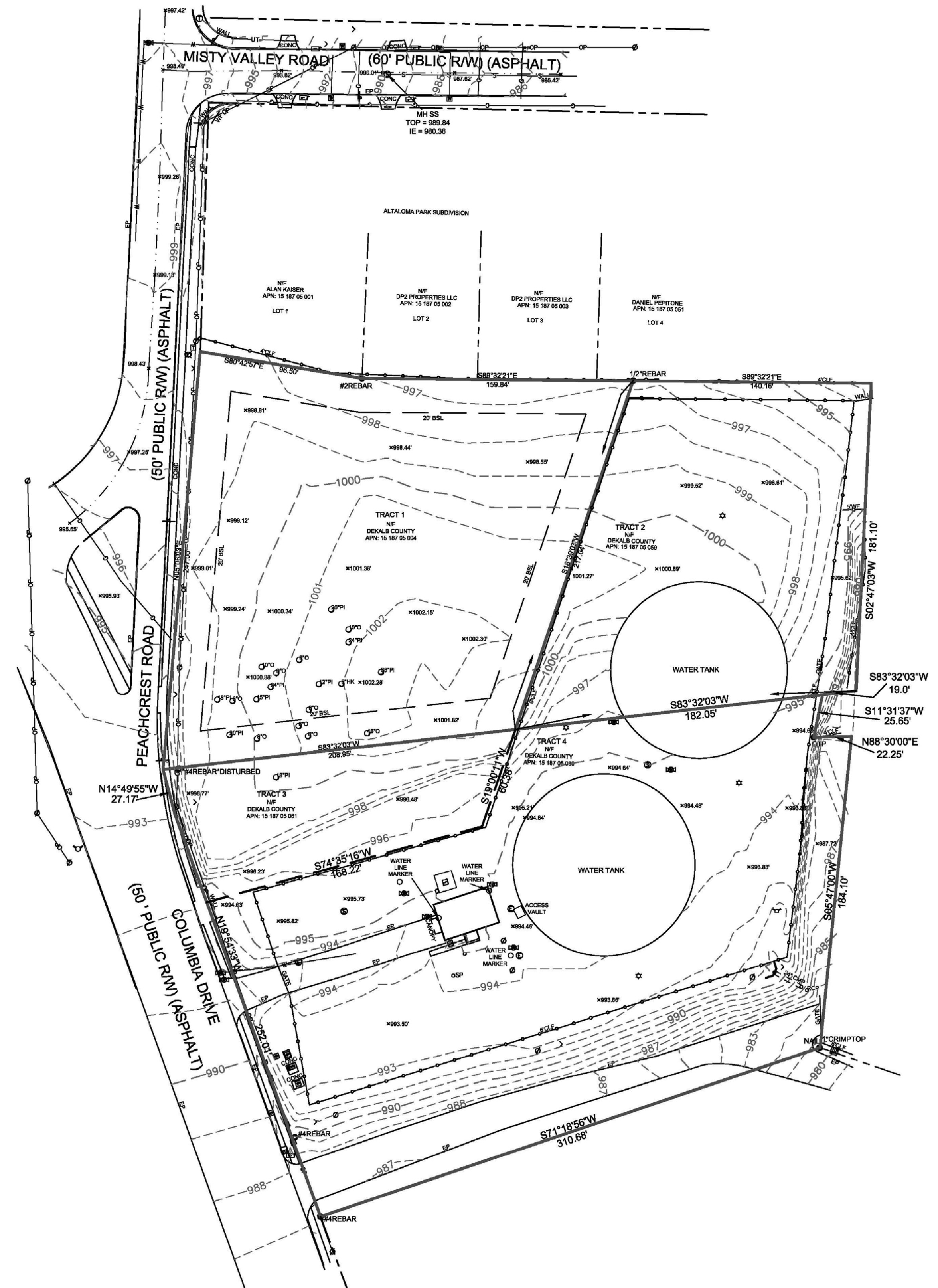
REFERENCE: PB 52 PG 87

- 1.) CONTOUR INTERVAL EQUALS ONE FOOT.
- 2.) ELEVATIONS ARE NAVD88 AS ESTABLISHED BY RTK METHODS USING A LEICA 1200 GPS UNIT CONNECTED TO A BASE STATION ON THE LEICA SMARTNET AND ARE BASED ON GEOID 2012A, USING AN AVERAGE OF TWO READINGS TAKEN 4 HOURS APART.
- 3.) THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM FIELD LOCATED UTILITY MARKINGS PROVIDED BY UTILISURVEY, LLC ON May 16, 2017. THE SURVEYOR MAKES NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. THE SURVEYOR FURTHER DOES NOT WARRANT THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED

BEFORE DIGGING IN THIS AREA, CALL UTILITY LOCATORS AT 1-800-282-7411 FOR FIELD LOCATIONS (REQUEST FOR GROUND MARKINGS) OF UNDERGROUND UTILITY LINES.

**Area**

Total area of subject property is approximately 3.878 acres 168,926 square feet).



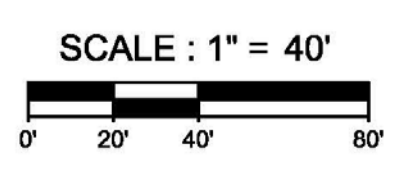
TRACT 1 1.189 ACRES 50,909 SQ. FT.  
TRACT 2 0.747 ACRES 32,545 SQ. FT.  
TRACT 3 0.291 ACRES 12,684 SQ. FT.  
TRACT 4 1.671 ACRES 72,865 SQ. FT.

I hereby certify that all parts of this survey and drawing have been completed in accordance with the requirements of the minimum technical standards for the practice of land surveying.

Ronnie Joiner R.L.S.  
R.L.S. # 2488

**BOUNDARY AND TOPOGRAPHICAL SURVEY FOR  
FIRE STATION 7**

<b>LOCATION</b>	
DISTRICT: 15TH	LAND LOT: 186
COUNTY: DEKALB	STATE: GA
ADDRESS: 1712 COLUMBIA DRIVE	
CITY: DECATUR	
TAX PARCEL ID: 15-187-05-004	
<b>INFORMATION</b>	
JOB NUMBER: 17451	
SURVEY DATE: 05/04/2017	
FIELD WORK DATE: 05/24/2017	
DATE OF LAST REVISION: 07/09/2018	
DRAWN BY: CLC	
CHECKED BY: RJJ	SHEET 1 OF 1



**MA Moreland Altobelli Associates, Inc.**  
Engineering Planning Landscape Architecture Land Acquisition Surveying  
2450 Commerce Ave Ste 100  
Duluth, GA 30096-8910 770/263-5945

**BOUNDARY & TOPOGRAPHIC SURVEY**  
**DEKALB COUNTY FIRE STATION**  
**No. 7**  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

**BROWN DESIGN GROUP**  
 ARCHITECTS: PLANNERS INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD EAST POINT, GA 30344  
 (C) 404-559-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

ISSUED FOR CONSTRUCTION

CHECKED: Checker  
DRAWN: Author  
SCALE:  
DWG. DATE: 01/09/2019  
PRINT DATE: 11/4/2019 9:45:07 AM  
JOB NO.: B1605-02

SHEET  
**C1-1**



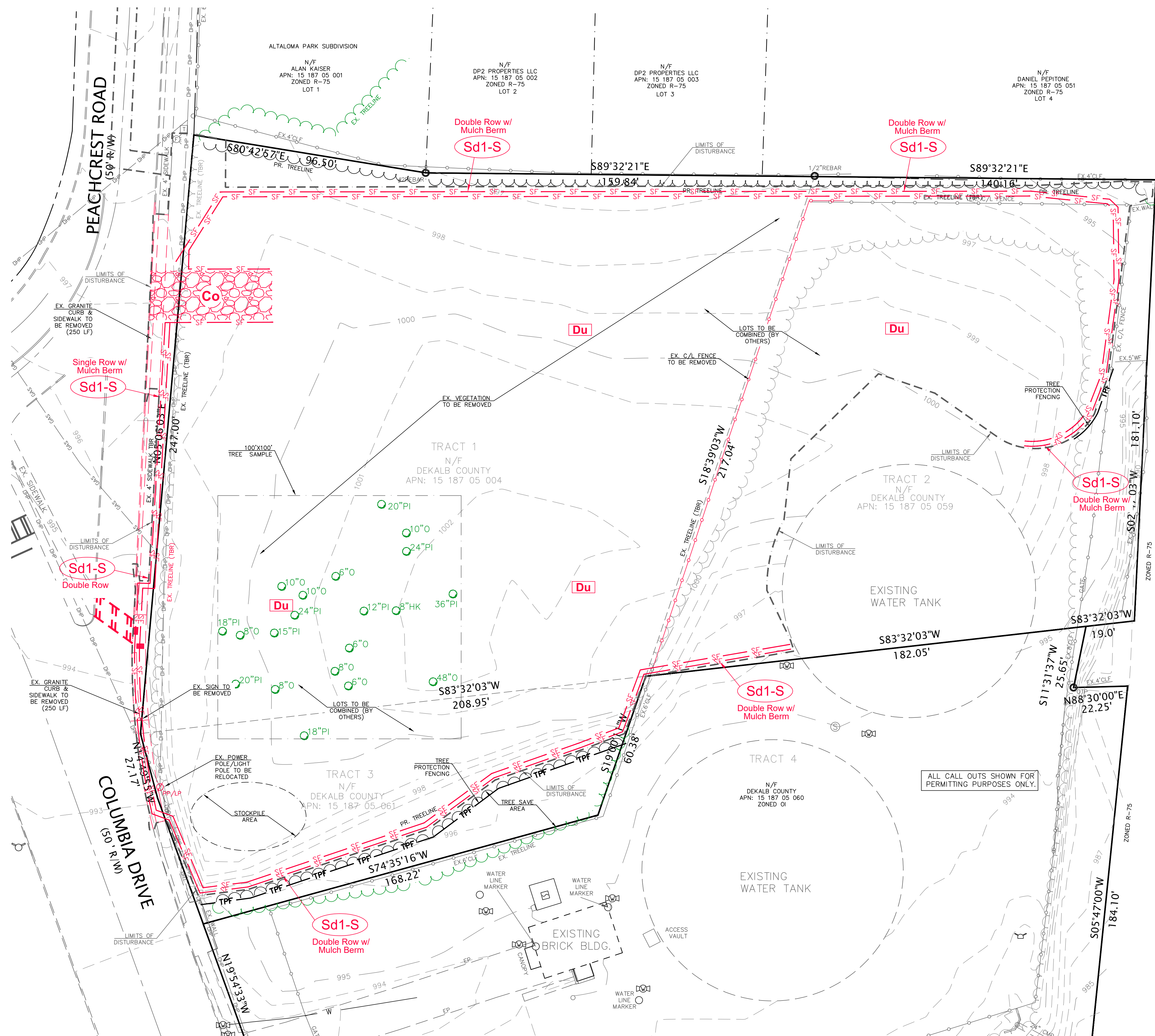
BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013



**CAUTION**  
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NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20



**DEMOLITION NOTES:**

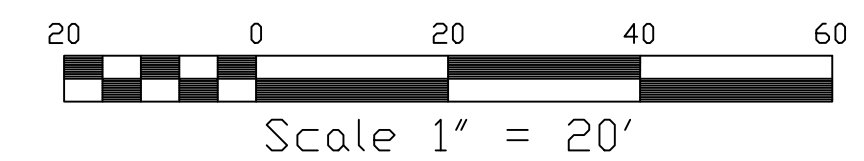
1. CONTRACTOR SHALL OBTAIN PERMITS FROM DEKALB COUNTY, UTILITY COMPANIES AND ALL OTHER ENTITIES AS REQUIRED BEFORE COMMENCING ANY WORK ON SITE.
2. NO WORK SHALL BE DONE IN RIGHT-OF-WAY WITHOUT OBTAINING PROPER PERMITS AND NOTIFYING THE APPROPRIATE DEPARTMENTS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK.
3. PRIOR TO DISPOSAL OF WASTE MATERIALS OFF-SITE, ALL PERMITTING AND ANY AUTHORIZATIONS REQUIRED, SHALL BE IN PLACE.
4. THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES THE REMOVAL AND RELOCATION OF ANY EXISTING LINES, POLES, LIGHTS, ETC. (SHOWN OR NOT SHOWN ON PLANS).
5. NO BURNING OF MATERIAL ON-SITE SHALL BE PERFORMED WITHOUT OBTAINING PROPER PERMITS FROM LOCAL AND/OR STATE AUTHORITIES.
6. UTILITIES TO REMAIN ON-SITE SHALL BE SAFEGUARDED FROM DAMAGE DURING DEMOLITION AND CONSTRUCTION. (NOT ALL UTILITIES MAY BE SHOWN ON PLANS).
7. THE CONTRACTOR SHALL TAKE PRECAUTIONS SO AS NOT TO DISTURB ADJOINING PROPERTIES DURING DEMOLITION AND CONSTRUCTION. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY FOR THE COST OF ANY DAMAGES TO EXISTING STRUCTURES, ASPHALT, BUILDINGS, ETC. ON THE ADJOINING PROPERTIES IF DAMAGED DURING CONSTRUCTION.
8. CONTRACTOR SHALL COORDINATE WITH OWNER REGARDING ALL UNDERGROUND UTILITIES WITHIN PROJECT AREA. CONTRACTOR SHALL REMOVE OR RELOCATED AS REQUIRED.
9. ALL LAND DISTURBANCE TO BE STABILIZED WITH VEGETATION UPON COMPLETION OF DEMOLITION.
10. ALL TREES TO REMAIN AND HAVE PROPER PROTECTION UNLESS APPROVED PLANS INDICATE OTHERWISE.
11. ALL DEMOLITION DEBRIS TO BE HAULED OFF SITE.
12. DUMPSTERS AND/OR TEMPORARY SANITARY FACILITIES SHALL NOT BE LOCATED IN THE STREET OR TREE PROTECTION AREA OR OTHER RIGHT OF WAY.
13. ADDITIONAL EROSION CONTROLS SHALL BE INSTALLED AS DEEMED NECESSARY BY THE ON-SITE INSPECTOR(S).

**TREE PROTECTION NOTES:**

1. TREE PRESERVATION REQUIREMENT: A MINIMUM OF 120 INCHES (DBH) PER ACRE OR 30 UNITS/ACRE.
2. NO DEVELOPMENT OR BUILDING PERMIT SHALL BE ISSUED UNTIL THE TREE PROTECTION PLAN HAS BEEN APPROVED BY THE COUNTY ARBORIST.
3. ALL TREE PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO LAND DISTURBANCE.
4. FOUR FOOT ORANGE TREE PROTECTION FENCING SHALL BE INSTALLED AROUND ALL TREE PRESERVATION AREAS.
5. NO PERSON ENGAGED IN THE CONSTRUCTION OF ANY STRUCTURE OR IMPROVEMENTS OR ANY ACTIVITY SHALL ENCROACH OR PLACE SOLVENTS, MATERIAL, CONSTRUCTION MACHINERY OR TEMPORARY SOIL DEPOSITS WITHIN 6' OF THE AREA OUTSIDE THE CRITICAL ROOT ZONE, OR ANY SIGNIFICANT TREE WITHIN A TREE SAVE AREA, TRANSITIONAL BUFFER ZONE, STREAM BUFFER, OR STATE WATER BUFFER ZONE.
6. ALL TREE PROTECTION AREAS TO BE PROTECTED FROM SEDIMENTATION.
7. ALL TREE PROTECTION DEVICES TO BE INSTALLED PRIOR TO THE START OF LAND DISTURBANCE, AND MAINTAINED UNTIL FINAL LANDSCAPING.
8. ALL TREE PROTECTION FENCING TO BE INSPECTED DAILY, AND REPAIRED OR REPLACED AS NEEDED.
9. NO PARKING, STORAGE OR OTHER CONSTRUCTION ACTIVITIES ARE TO OCCUR WITHIN TREE PROTECTION AREAS OR WITHIN SIX (6) FEET OF CRITICAL ROOT ZONE.
10. ALL REQUIRED VEGETATION MUST BE MAINTAINED FOR TWO GROWING SEASONS AFTER THE DATE OF FINAL INSPECTION.

**DEVELOPER:**

24 HOUR CONTACT  
PRIMARY PERMITTEE  
RODNEY REESE  
DEKALB COUNTY COMMUNITY  
DEVELOPMENT DEPARTMENT  
750 COMMERCE DR. SUITE 401  
DECATUR, GA 30030  
PH: (404) 371-2727  
E: reese@dekalbcountyga.gov



EX. CONDITIONS/ DEMOLITION PLAN  
DEKALB COUNTY  
FIRE STATION NO.7  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

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DRAWN : GPH  
SCALE: 1" = 20'  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #: 280918-DEKALB FS#7

SHEET  
**C2**



BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

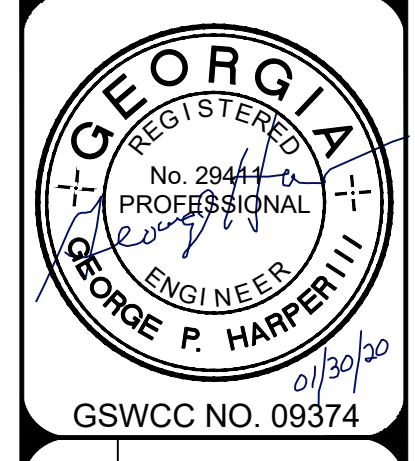
COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013



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- GENERAL NOTES:**
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  - ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH APPLICABLE CODES AND ORDINANCES. CONTRACTOR SHALL VERIFY CONFORMANCE.
  - THE ENGINEER ASSUMES NO RESPONSIBILITY FOR CONSTRUCTION SUPERVISION OR INSPECTION OF THE PROPOSED IMPROVEMENTS.
  - FILL MATERIAL SHALL BE FREE OF ORGANIC OR OTHER DELETERIOUS MATERIAL AND HAVE A MINIMUM DENSITY OF 100 PCF.
  - FILL MATERIAL SHALL BE PLACED IN 6" LIFTS (LOOSE) AND COMPACTED TO 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
  - FILL OPERATIONS SHOULD BE OBSERVED BY A SOILS ENGINEER AND IN-PLACE DENSITY TESTS SHOULD BE PERFORMED BY THE SOILS ENGINEER TO CHECK COMPACTION.
  - AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC OR DELETERIOUS MATERIAL PRIOR TO FILLING OPERATIONS.
  - SUBGRADE CONDITIONS SHOULD BE INVESTIGATED BY A SOILS ENGINEER PRIOR TO CONSTRUCTION.
  - ROOF DRAINS FROM BUILDING TO BE CONNECTED DIRECTLY TO STORMSEWER SYSTEM AS SHOWN.
  - THE PROPERTY IS CURRENTLY WOODED AND UNDEVELOPED.
  - THIS PLAN TO COMPLY WITH ALL ZONING, VARIANCE, & DRI CONDITIONS.
  - ALL PAVEMENT MARKINGS, STRIPING & SIGNAGE TO CONFORM TO THE STANDARDS AND SPECIFICATIONS OF DEKALB COUNTY AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
  - ALL HANDICAP PARKING SPACES REQUIRE HANDICAP PARKING SIGNS.
  - SIGHT LIGHTING TO BE PREPARED BY OTHERS.
  - DEKALB COUNTY SANITATION DEPT. IS RESPONSIBLE FOR GARBAGE & RECYCLING PICK-UP.
  - 72 hrs. NOTICE IS REQUIRED TO GEORGIA 811 UTILITY PROTECTION CENTER BEFORE ANY PLANNED DIGGING.
  - DEKALB COUNTY IS NOT RESPONSIBLE FOR ANY ERRORS OR OMISSIONS BY ENGINEERS OR OTHER DESIGN PROFESSIONALS ON DESIGN OR COUNTY CODE REQUIREMENTS FOR THIS PROJECT.

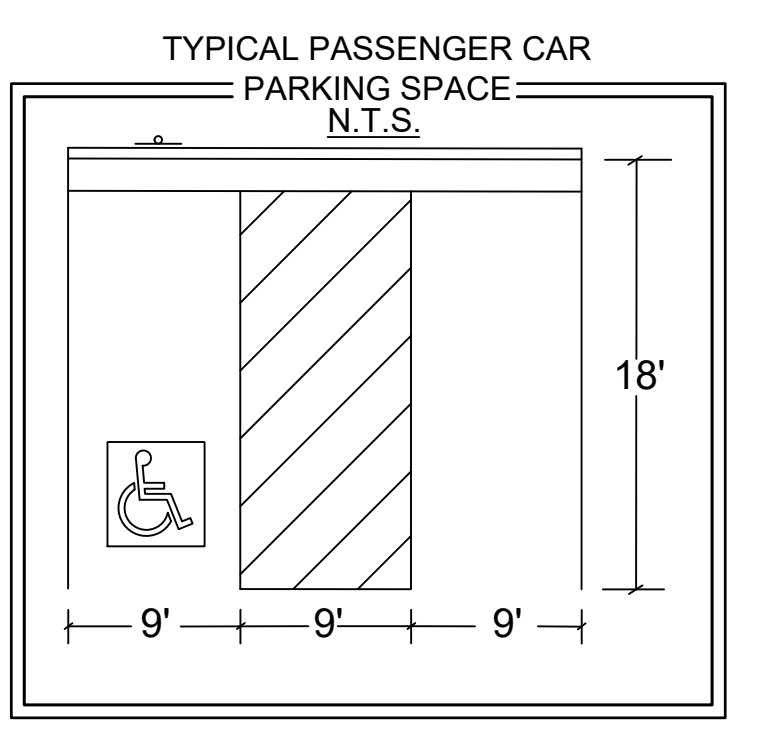
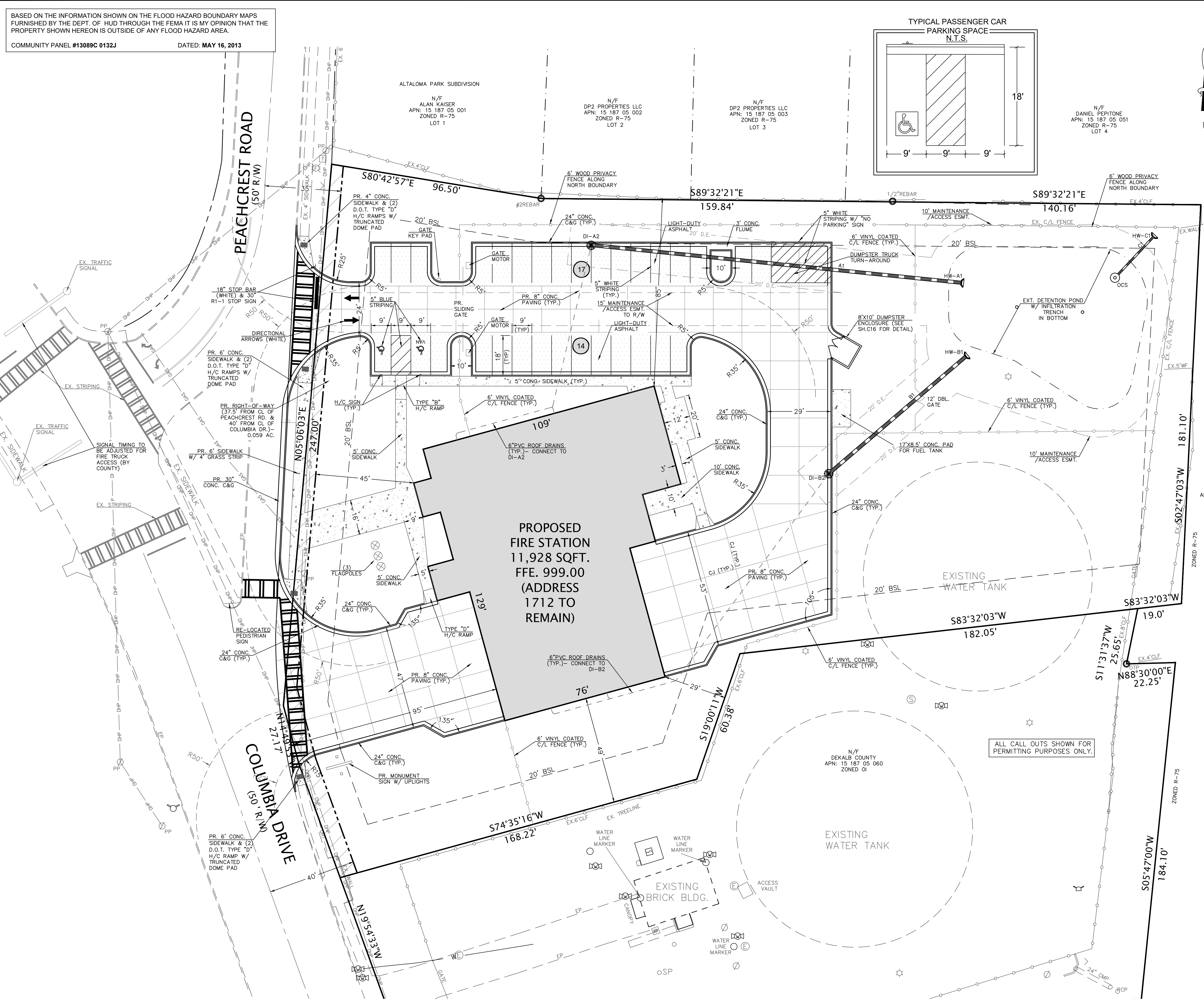
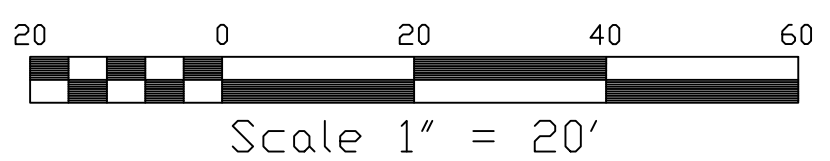
**PROP. BUILDING- 11,928 SF. (1-STORY)**  
**TOTAL SITE AREA- 2.21 Ac.**  
**TOTAL DISTURBED AREA- 1.84 Ac. (83%)**  
**TOTAL IMPERVIOUS AREA- 0.91 Ac. (41%)**  
**NPDES FEES:**  
**DEKALB CO. (\$40 X 1.84) = \$73.60**  
**E.P.D. (\$40 X 1.84) = \$73.60**

**DEVELOPER:**

24 HOUR CONTACT  
 PRIMARY PERMITTEE  
 RODNEY REESE  
 DEKALB COUNTY COMMUNITY DEVELOPMENT DEPARTMENT  
 750 COMMERCE DR. SUITE 401  
 DECATUR, GA 30030  
 PH: (404) 371-2727  
 E: rrees@dekalbcountyga.gov

**LEGEND**

P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	PR.
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	EX.
PL	PROPERTY LINE	EX. WATER VALVE	EX.
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	PR.
L.L.	LAND LOT LINE	WATER METER	WM
B.O.C.	BACK OF CURB	ELECTRIC BOX	EB
E.O.P.	EDGE OF PAVEMENT	FLARED END SECTION	FES
T.W.	TOP OF WALL	SANITARY SEWER LINE	SSL
B.W.	BOTTOM OF WALL	WATER LINE	WL
D.E.	DRAINAGE EASEMENT	SIGN	SG
SM	SANITARY SEWER MANHOLE - SA	FENCE	FC
JB	JUNCTION BOX (JB)	LT-DUTY ASPHALT PAVING	LADP
DWCB	DOUBLE-WING CATCHBASIN (DWCB)	HEAVY-DUTY ASPHALT PAVING	HADP
SWCB	SINGLE-WING CATCHBASIN (SWCB)		
DI	DROP INLET (DI)		
H	HEADWALL		
DF	DRAINAGE FLOW		
LP	LIGHT POLE (LP)		
PP	POWER POLE (PP)		



**SITE PLAN**  
**DEKALB COUNTY**  
**FIRE STATION NO. 7**  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

**PLANS NOT ISSUED FOR CONSTRUCTION**

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DRAWN : GPH  
 SCALE: 1" = 20'  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280918-DEKALB FS#7

SHEET  
**C3**

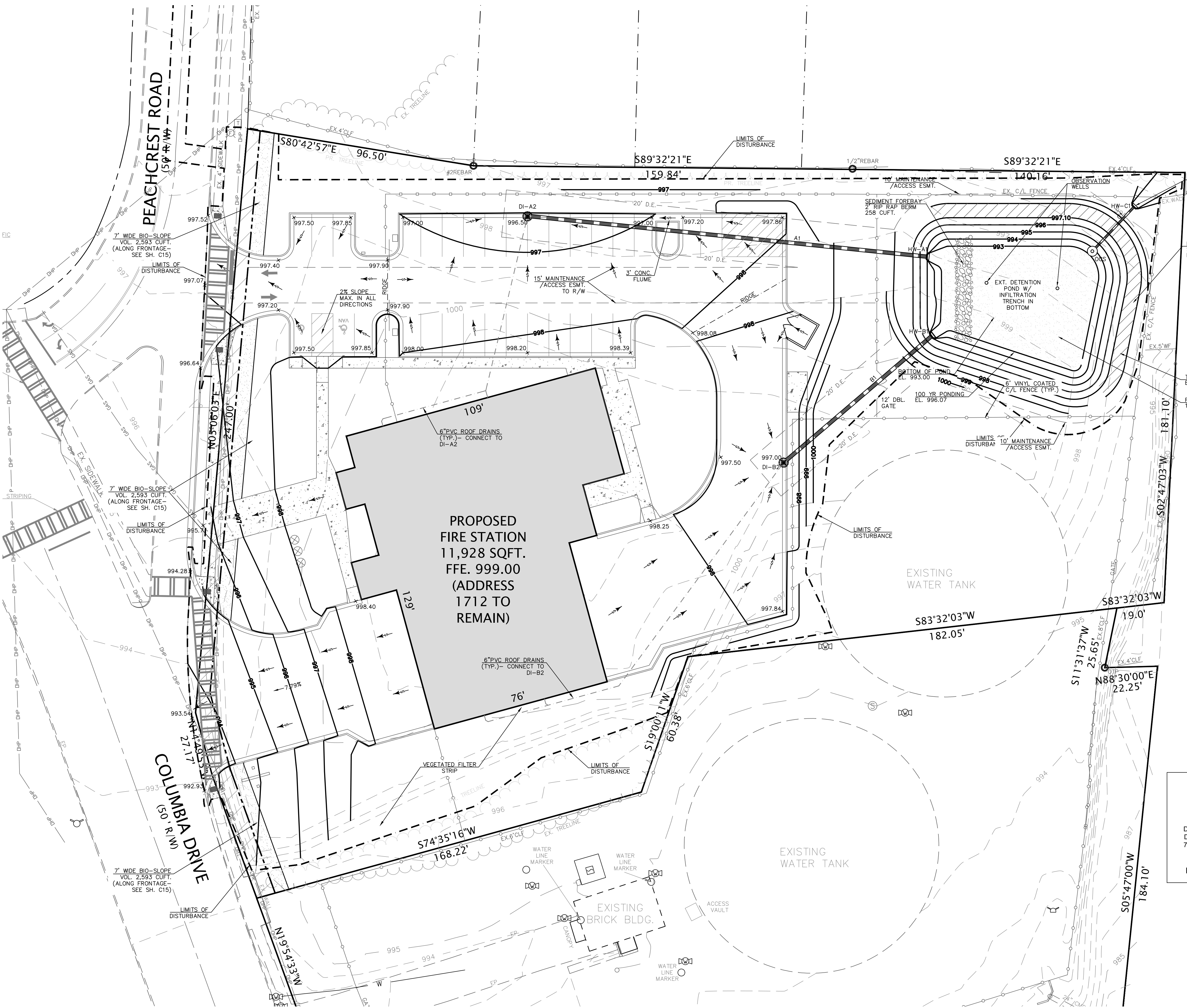


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5. FILL MATERIAL SHALL BE PLACED IN 6" LIFTS (LOOSE) AND COMPACTED TO 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
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7. AREAS TO RECEIVE FILL SHALL BE CLEARED OF TOPSOIL, TREES, VEGETATION, AND ANY ORGANIC OR DELETERIOUS MATERIAL PRIOR TO FILLING OPERATIONS.
8. SUBGRADE CONDITIONS SHOULD BE INVESTIGATED BY A SOILS ENGINEER PRIOR TO CONSTRUCTION.
9. ROOF DRAINS FROM BUILDING TO BE CONNECTED DIRECTLY TO STORMSEWER SYSTEM. THE PROPERTY IS CURRENTLY WOODED.
10. THIS PLAN TO COMPLY WITH ALL ZONING, VARIANCE, & DRI CONDITIONS (SEE COVER SHEET).
11. COMPACTION OF ALL FILL MATERIAL BETWEEN THE FRONT AND REAR BUILDING LINES TO BE 95% STANDARD PROCTOR MUST BE CERTIFIED BY GEORGIA REGISTERED PROFESSIONAL SOILS ENGINEER PRIOR TO THE INSTALLATION OF CURB. THIS CERTIFICATION WILL BE SUBMITTED TO THE CHIEF OF DEVELOPMENT INSPECTIONS. LOTS WITH 2' OF FILL OR GREATER, AS DELINEATED ON THE CONSTRUCTION PLANS, WILL REQUIRE A COMPACTION CERTIFICATIONS PRIOR TO ISSUANCE OF BUILDING PERMITS. THE ENGINEER WILL ALSO PROVIDE A LETTER LISTING THOSE LOTS THAT REQUIRE COMPACTION CERTIFICATION. THOSE LOTS THAT REQUIRE COMPACTION CERTIFICATION WILL BE INDICATED ON THE FINAL RECORDED PLAT.
12. NON-EROSIVE FLOWS WILL BE PROVIDED FOR LEAVING THE SITE.

**DEKALB COUNTY DRAINAGE NOTES:**

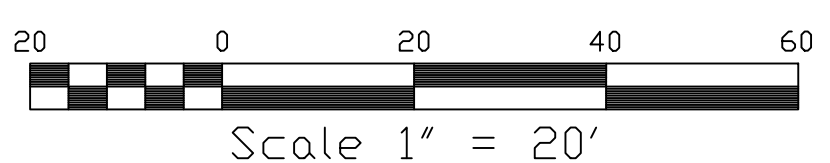
1. CMP STORM DRAINAGE PIPES, WHERE REQUIRED, SHALL BE ASPHALT COATED.
2. MINIMUM COVER ON ALL STORM DRAINAGE PIPE IS PER GA. D.O.T. STD. 1030D, UNLESS OTHERWISE NOTED.
3. ALL STORM DRAINAGE PIPES WILL BE CENTERED WITHIN A 20' DRAINAGE EASEMENT UNLESS IT IS LOCATED WITHIN A ROAD RIGHT-OF-WAY.
4. DRAINAGE SWALES AND DITCHES ARE TO BE WITHIN A 20' DRAINAGE EASEMENT, UNLESS OTHERWISE NOTED.
5. ALL GRADING & DRAINAGE CONSTRUCTION SHALL BE IN ACCORDANCE WITH GA. D.O.T. CONSTRUCTION STANDARDS.
6. ALL STORM DRAINAGE PIPE SHALL BE IN ACCORDANCE WITH GA. D.O.T. STD. 1030D, UNLESS OTHERWISE NOTED.
7. CATCH BASINS (C.B.) SHALL BE AS PER GA. D.O.T. STD. 1033D ON GRADE & 1034D IN SAG.
8. JUNCTION BOXES (J.B.) SHALL BE AS PER GA. D.O.T. STD. 9031U.
9. DROP INLETS (D.I.) SHALL BE AS PER GA. D.O.T. STD. 1019A.
10. HEADWALLS (H.W.) SHALL BE AS PER GA. D.O.T. STD. 1125.
11. CMP WHERE REQUIRED, SHALL BE INSTALLED IN LENGTHS TO PREVENT JOINTS UNDER THE PAVEMENT.

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 TOTAL SITE AREA- 2.21 Ac.  
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 TOTAL IMPERVIOUS AREA- 0.91 Ac. (41%)  
 NPDES FEES:  
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 E: rreese@dekalbcountyga.gov

LEGEND	
P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT
P.L. PROPERTY LINE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE
L.L.L. LAND LOT LINE	WATER METER
B.O.C. BACK OF CURB	ELECTRIC BOX
E.O.P. EDGE OF PAVEMENT	FLARED END SECTION
T.W. TOP OF WALL	JUNCTION BOX (JB)
B.W. BOTTOM OF WALL	SANITARY SEWER LINE - SS
D.E. DRAINAGE EASEMENT	WATER LINE - W
S. SANITARY SEWER MANHOLE - SA	SIGN
J. JUNCTION BOX (JB)	FENCE
D. DOUBLE-WING CATCHBASIN (DWCB)	LT-DUTY ASPHALT PAVING
S. SINGLE-WING CATCHBASIN (SWCB)	HEAVY-DUTY ASPHALT PAVING
D. DROP INLET (DI)	
H. HEADWALL	
D. DRAINAGE FLOW	
L. LIGHT POLE (LP)	
P. POWER POLE (PP)	



GRADING & DRAINAGE PLAN  
 DEKALB COUNTY  
 FIRE STATION NO.7  
 1712 COLUMBIA DRIVE  
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PLANS NOT ISSUED FOR CONSTRUCTION

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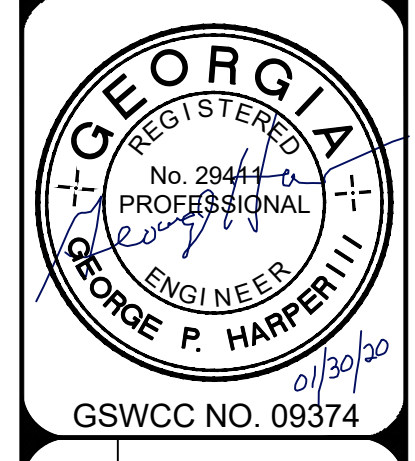
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SHEET  
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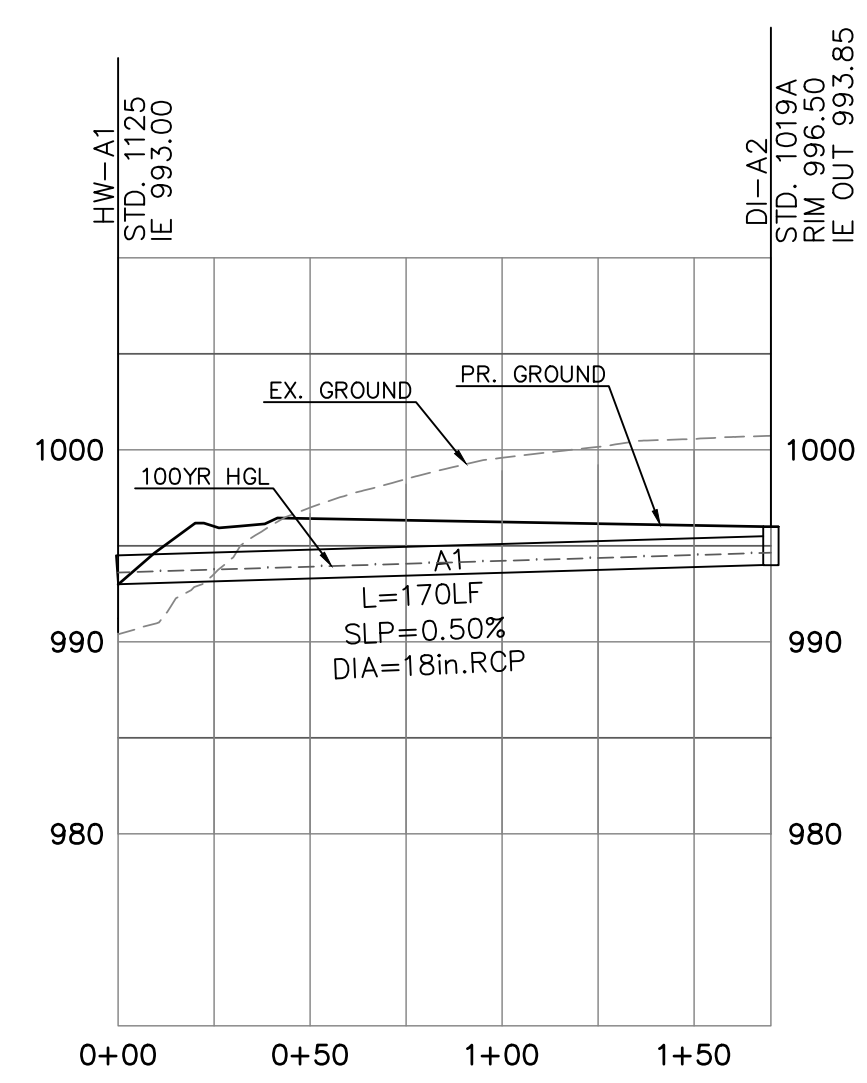


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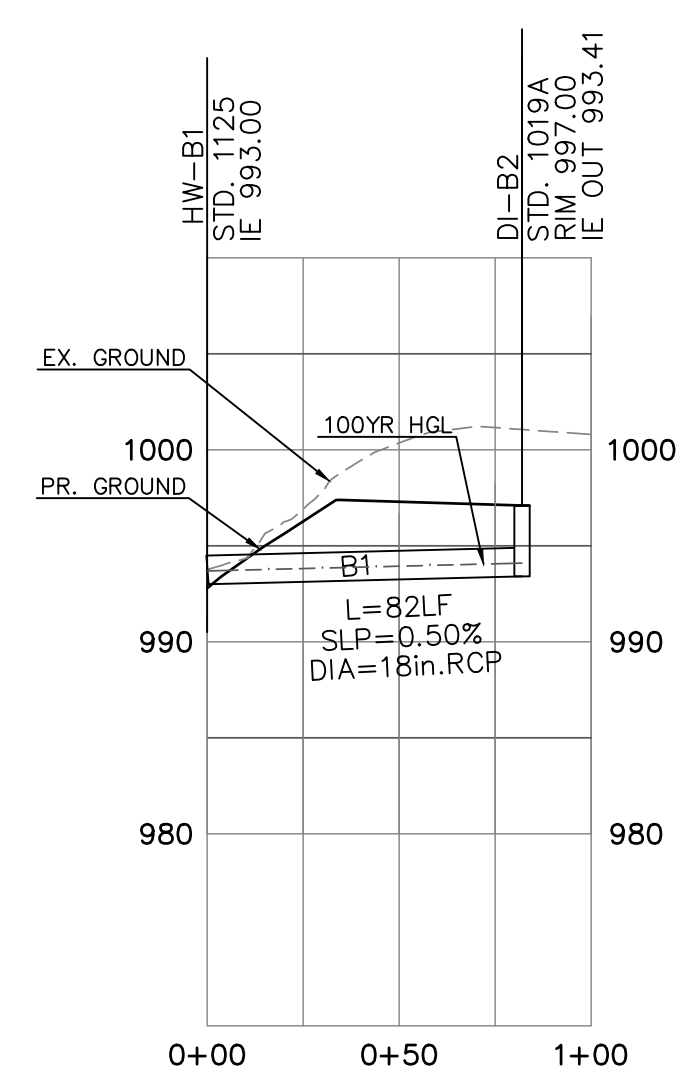
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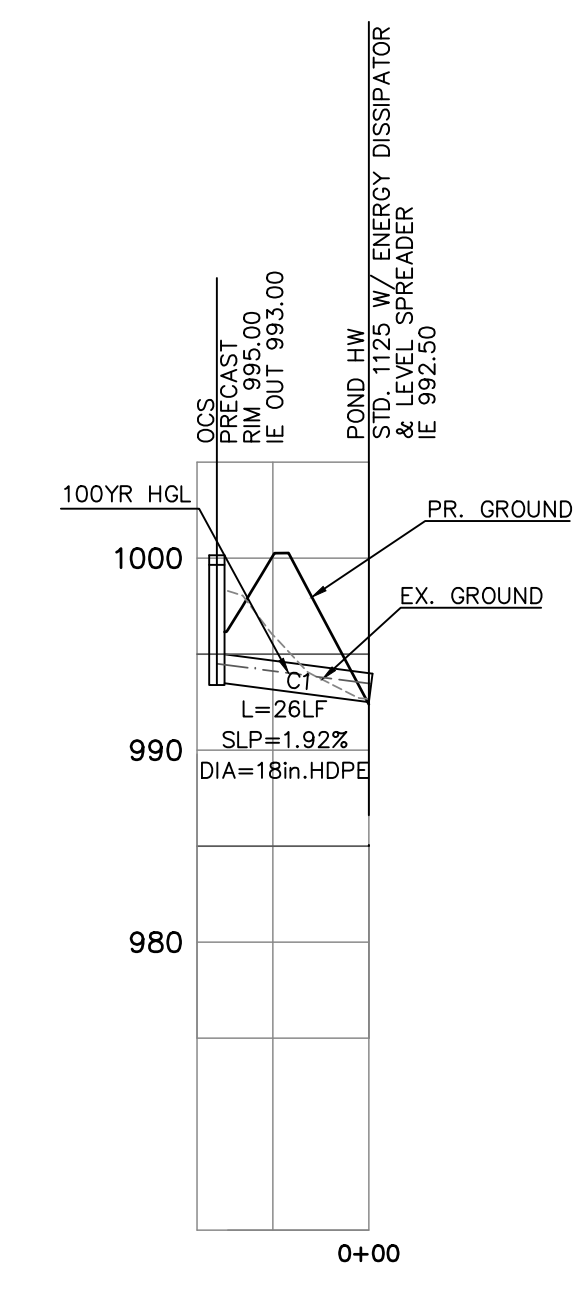
GSWCC NO. 09374  
**STORMSEWER PROFILES & PIPE CHART**  
**DEKALB COUNTY**  
**FIRE STATION NO.7**  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032



HW A1 - DI A2



HW B1 - DI B2



POND HW - OCS

**STORMSEWER PROFILES**  
SCALE: H-1"=50', V-1"=10'

**STORMSEWER PIPE CHART-Q100**

Line	Station To Line	Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID	Q10 GUTTER SPREAD (FT)
			Incr (ac)	Total (ac)		Incr	Total	Inlet (min)	Syst (min)					Size (in)	Slope (%)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)		
1	End	170.0	0.38	0.38	0.87	0.33	0.33	5.0	5.0	9.9	3.29	7.43	4.08	18	0.50	993.85	993.00	994.55	993.70	996.50	995.00	A1	7.50
2	End	82.0	0.51	0.51	0.75	0.38	0.38	5.0	5.0	9.9	3.81	7.43	4.22	18	0.50	993.41	993.00	994.17	993.76	997.00	995.00	B1	7.65
3	End	26.0	0.00	0.00	0.00	0.00	0.00	5.0	5.0	0.0	1.90	14.56	4.48	18	1.92	993.00	992.50	993.53	992.87	997.03	994.50	C1	—

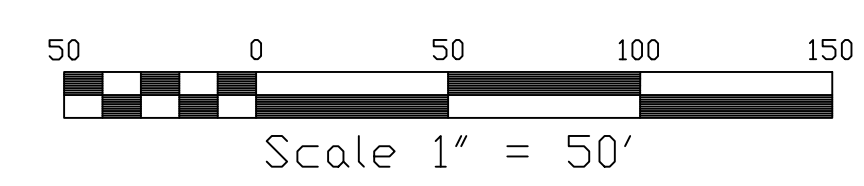
**NOTE**

- ALL STORM PIPE AND STRUCTURES SHALL COMPLY WITH GADOT STANDARDS FOR DESIGN, CONSTRUCTION AND INSTALLATION.

**DEVELOPER:**  
24 HOUR CONTACT  
PRIMARY PERMITTEE  
RODNEY REESE  
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**LEGEND**

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I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
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B.W. BOTTOM OF WALL	FLARED END SECTION
D.E. DRAINAGE EASEMENT	DOUBLE-WING CATCHBASIN (DWCB)
S. SANITARY SEWER MANHOLE - SA	SINGLE-WING CATCHBASIN (SWCB)
JUNCTION BOX (JB)	SIGN
DOUBLE-WING CATCHBASIN (DWCB)	FENCE
SINGLE-WING CATCHBASIN (SWCB)	LT-DUTY ASPHALT PAVING
SIGN	HEAVY-DUTY ASPHALT PAVING
FENCE	
LT-DUTY ASPHALT PAVING	
HEAVY-DUTY ASPHALT PAVING	



PLANS NOT ISSUED FOR CONSTRUCTION

**BROWN DESIGN GROUP**  
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(404) 404-5555 (F) (404) 404-7611 (E) THEBROWNDISIGNGROUP.COM

DRAWN : GPH  
SCALE: 1" = 50'  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #:280918-DEKALB FS#7

SHEET  
**C5**



BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013



NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20

**DEVELOPER:**

24 HOUR CONTACT  
 PRIMARY PERMITTEE  
 RODNEY REESE  
 DEKALB COUNTY COMMUNITY  
 DEVELOPMENT DEPARTMENT  
 750 COMMERCE DR. SUITE 401  
 DECATUR, GA 30030  
 PH: (404) 371-2727  
 E: reese@dekalbcountyga.gov

PROP. BUILDING- 11,928 SF. (1-STORY)  
 TOTAL SITE AREA- 2.21 Ac.  
 TOTAL DISTURBED AREA- 1.84 Ac. (83%)  
 TOTAL IMPERVIOUS AREA- 0.91 Ac. (41%)  
 NPDES FEES:  
 DEKALB CO. (\$40 X 1.84) = \$73.60  
 E.P.D. (\$40 X 1.84) = \$73.60

**CAUTION**

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**FIRE NOTES:**

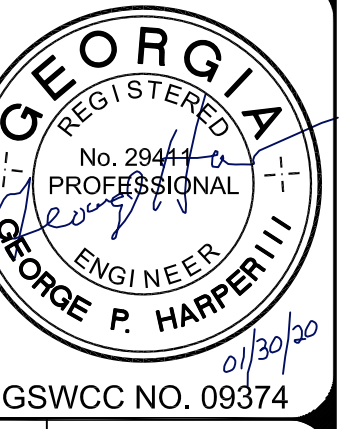
1. COMPLY WITH NFPA 24, STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES 2013 EDITION.
2. COMPLY WITH OF 2013 NFPA 24 SECTION 4.1 PLANS.
3. COMPLY WITH 2013 NFPA 24 SECTION 4.2.1: INSTALLATION WORK SHALL BE DONE BY FULLY EXPERIENCED AND RESPONSIBLE PERSONS.
4. COMPLY WITH 2013 NFPA 24 CHAPTERS 10 AND 12 FOR UNDERGROUND AND ABOVE GROUND PIPING.
5. COMPLY WITH 2012 ED. 1203-3, 2013 NFPA 24 SECTION 13.1: NO PIPE SMALLER THAN A NOMINAL.

**BACKFLOW PREVENTION NOTES:**

1. ALL REQUIRED BACKFLOW DEVICES SHALL BE INSTALLED PER DCDWM STANDARDS AS CLOSE AS PRACTICAL TO PROPERTY LINE ON THE PREMISES OUT OF RIGHT-OF-WAY.
2. INSTALLATION OF BACKFLOW DEVICES INSIDE THE BUILDING IS NOT ALLOWED WITHOUT PRIOR APPROVAL FROM BACKFLOW DIVISION OF DCDWM.
3. CALL AT (404) 687-4075 FOR BACKFLOW INSPECTION PRIOR TO INSTALLING ANY BACKFLOW DEVICE.

**WATER & SANITARY SEWER NOTES:**

1. ALL DESIGN & CONSTRUCTION FOR SEWER & LIFT STATIONS SHALL COMPLY WITH DEKALB COUNTY DEPARTMENT OF WATERSHED MANAGEMENT DESIGN STANDARDS 2009 EDITION, VERSION 1.0. ACTUAL FIELD CONDITIONS MAY DICTATE MORE STRINGENT REQUIREMENTS IF DEEMED NECESSARY BY THE CONSTRUCTION INSPECTOR.
2. DEVELOPER SHALL PROVIDE RECORD DRAWINGS "AS-BUILT-PLANS" AND "FINAL PLATS"(IF APPLICABLE) IN HARD COPY AND ELECTRONIC FORMAT, AS WELL AS, RECORD ALL EASEMENTS THAT WILL BE DEDICATED TO DEKALB COUNTY IN THE COURT HOUSE, PRIOR TO APPROVAL OF AS-BUILT PLANS.
3. F.O.G. COMPLIANCE (GREASE TRAP) REVIEW AND APPROVAL REQUIRED. CALL (404) 687-7150 OR (404) 687-7157.
4. FIELD CHANGES DURING CONSTRUCTION MUST BE SUBMITTED FOR REVIEW AND APPROVAL BY THE COUNTY WATER AND SEWER ENGINEER BEFORE CHANGES ARE IMPLEMENTED.
5. CONTRACTOR MUST JET CLEAN AND T.V. SANITARY SEWER LINES AFTER CONNECTIONS ARE MADE TO THE EXISTING SEWER/IN POINTS. TRACER WIRE TO BE INSTALLED FOR PVC PIPES.
6. CONTRACTOR MUST NOTIFY THE WATER AND SEWER CONSTRUCTION INSPECTOR- L. KELLEY (404) 391-4164 AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES.
7. POTABLE WATER MAINS SHALL MAINTAIN A TEN(10') FOOT HORIZONTAL AND EIGHTEEN(18') INCH VERTICAL CLEARANCE FROM NON-POTABLE PIPELINES.
8. GRAVITY SEWER LINE MATERIAL SHALL BE PVC(SDR35) OR DIPC(LASS 350).
9. PROVIDE EASEMENT PLAT AND DEED FOR REVIEW FOR ALL SANITARY SEWER EASEMENTS (AFTER CONSTRUCTION AND WITH AS-BUILTS).
10. SEWER ACCESS FEES NEED TO BE PAID UNDER THE FOLLOWING CIRCUMSTANCES: NEW CONSTRUCTION, RE-DEVELOPMENT, ADDITIONS, CHANGE OF USE, ETC. THESE FEES ARE TO BE PAID AT 330 W. PONCE DE LEON AVE. 2ND FLOOR. FAILURE TO SETTLE THESE FEES WILL RESULT IN DELAYS FOR OBTAINING WATER AND SEWER PLAN APPROVAL, AS WELL AS CERTIFICATE OF OCCUPANCY COMPLETION. CALL (404) 371-4918 FOR FEE CALCULATIONS OR ANY QUESTIONS.
11. TO PURCHASE A COPY OF THE DESIGN STANDARDS, PLEASE CALL (770) 414-2383 OR (770) 821-7272.
12. SEWER ACCESS FEES ARE DUE PRIOR TO PLAN APPROVAL/RELEASE.
13. FIRE LINES, F.O.G., BACKFLOW PREVENTION, AND LIFT STATIONS REQUIRE A SEPARATE REVIEW.
14. SEWER LATERALS OUTSIDE OF BUILDING REQUIRE SEPARATE PLUMBING PERMIT.
15. "AS-BUILT" WATER/SEWER PLANS REQUIRED PRIOR TO ISSUANCE TO CERTIFICATE OF OCCUPANCY, OR RECORDING OF FINAL SUBDIVISION PLAT.
16. PRIOR TO CONSTRUCTION OF ANY UTILITY FACILITIES WITHIN THE RIGHT-OF-WAY OF ANY COUNTY MAINTAINED ROADWAY A PERMIT MUST BE OBTAINED FROM THE UTILITY COORDINATOR.
17. PRIOR TO CONSTRUCTION OF WATER MAINS AND SANITARY SEWER LINES FINAL DESIGN APPROVAL MUST BE OBTAINED FROM DEPARTMENT OF WATERSHED MANAGEMENT.



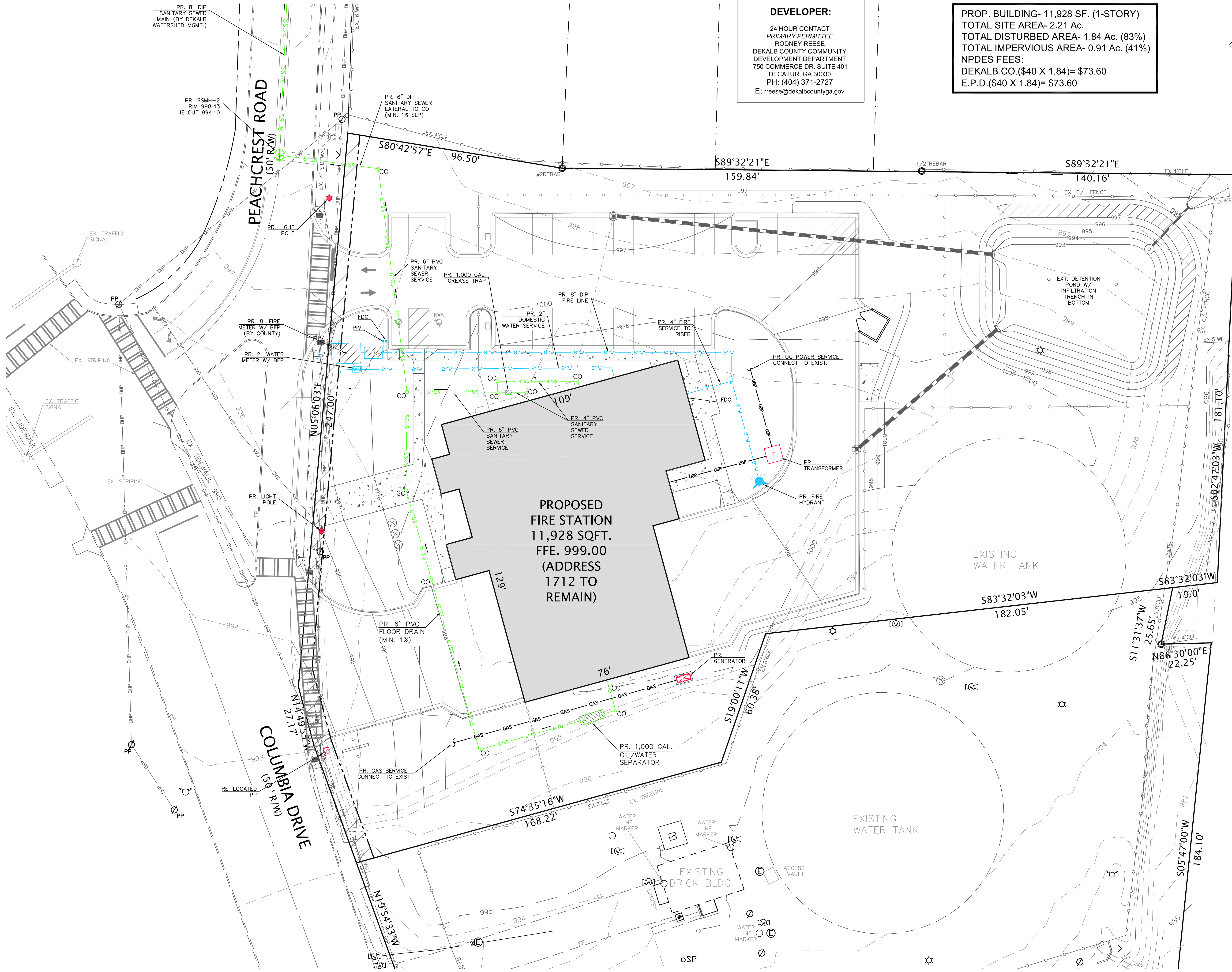
UTILITY PLAN  
 DEKALB COUNTY  
 FIRE STATION NO.7  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED  
 FOR  
 CONSTRUCTION

BROWN  
 DESIGN  
 GROUP  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA. 30344  
 (404) 559-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

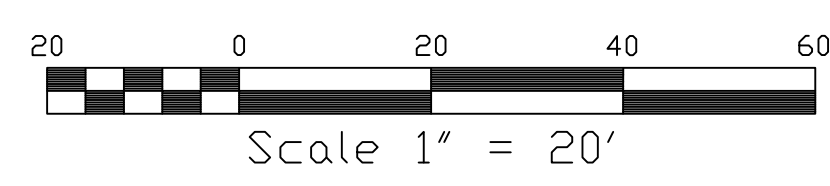
DRAWN : GPH  
 SCALE: 1" = 20'  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280918-DEKALB FS#7

SHEET  
**C6**



**LEGEND**

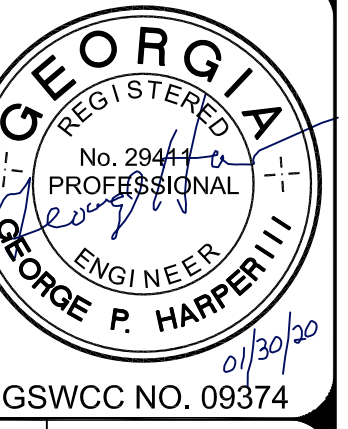
P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	PR.
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	EX.
PL	PROPERTY LINE	EX. WATER VALVE	EX.
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	PR.
L.L.L.	LAND LOT LINE	WATER METER	W.M.
B.O.C.	BACK OF CURB	ELECTRIC BOX	EB
E.O.P.	EDGE OF PAVEMENT	FLARED END SECTION	FES
T.W.	TOP OF WALL	SANITARY SEWER LINE	SS
B.W.	BOTTOM OF WALL	WATER LINE	W
D.E.	DRAINAGE EASEMENT	SIGN	S
SA	SANITARY SEWER MANHOLE - SA	FENCE	F
J.B.	JUNCTION BOX (JB)	LT-DUTY ASPHALT PAVING	LT-AP
DWCB	DOUBLE-WING CATCHBASIN (DWCB)	HEAVY-DUTY ASPHALT PAVING	HD-AP
SWCB	SINGLE-WING CATCHBASIN (SWCB)		
DI	DROP INLET (DI)		
H	HEADWALL		
DF	DRAINAGE FLOW		
LP	LIGHT POLE (LP)		
PP	POWER POLE (PP)		





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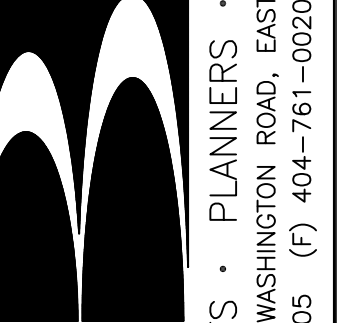
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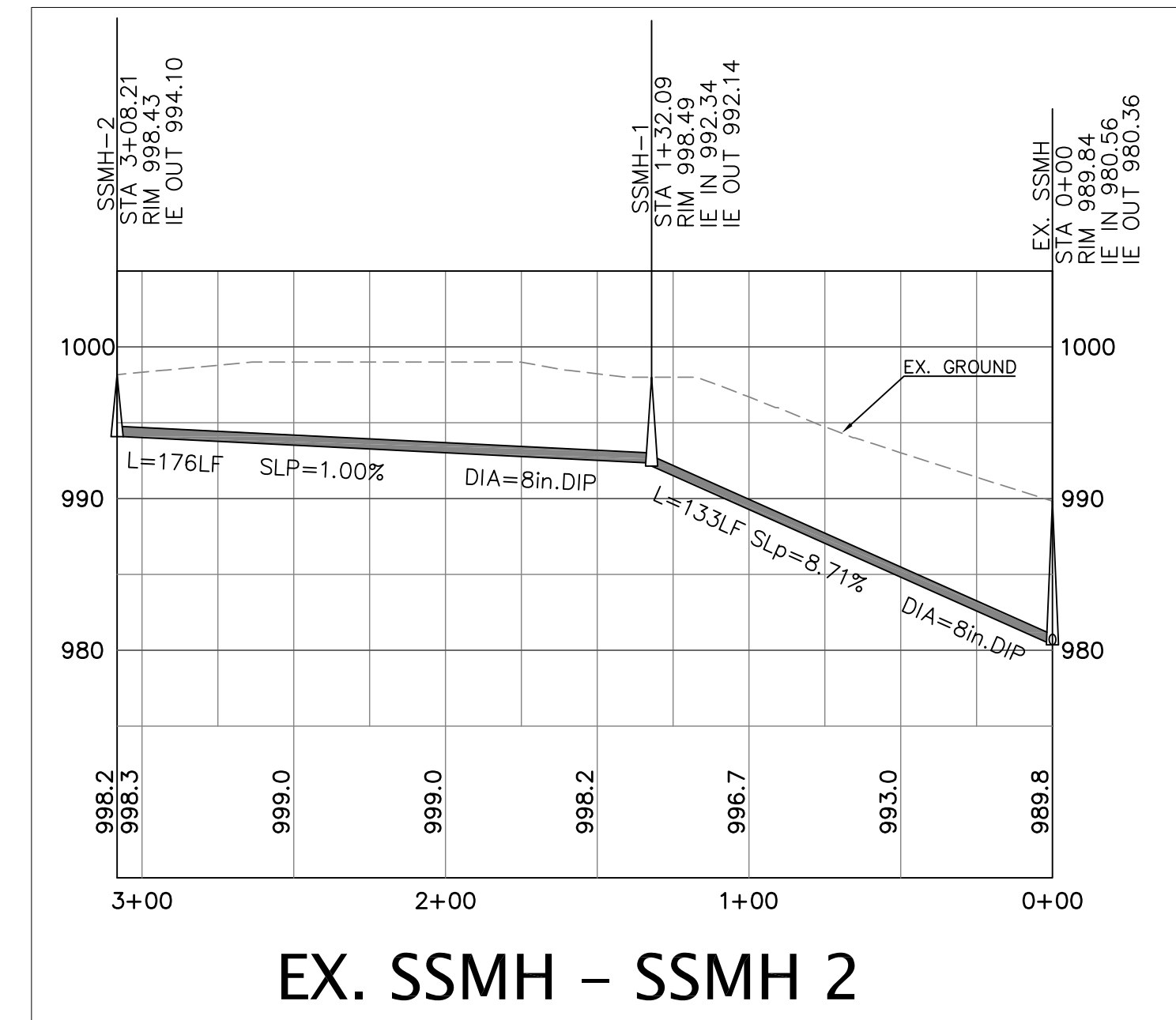
**SANITARY SEWER PLAN & PROFILE**  
**DEKALB COUNTY**  
**FIRE STATION NO. 7**  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

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DRAWN : GPH  
SCALE: 1" = 20'  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #: 280918-DEKALB FS#7  
SHEET **C7**



**SEWER LINE QUANTITIES (TO BE VERIFIED BY CONTRACTOR)**

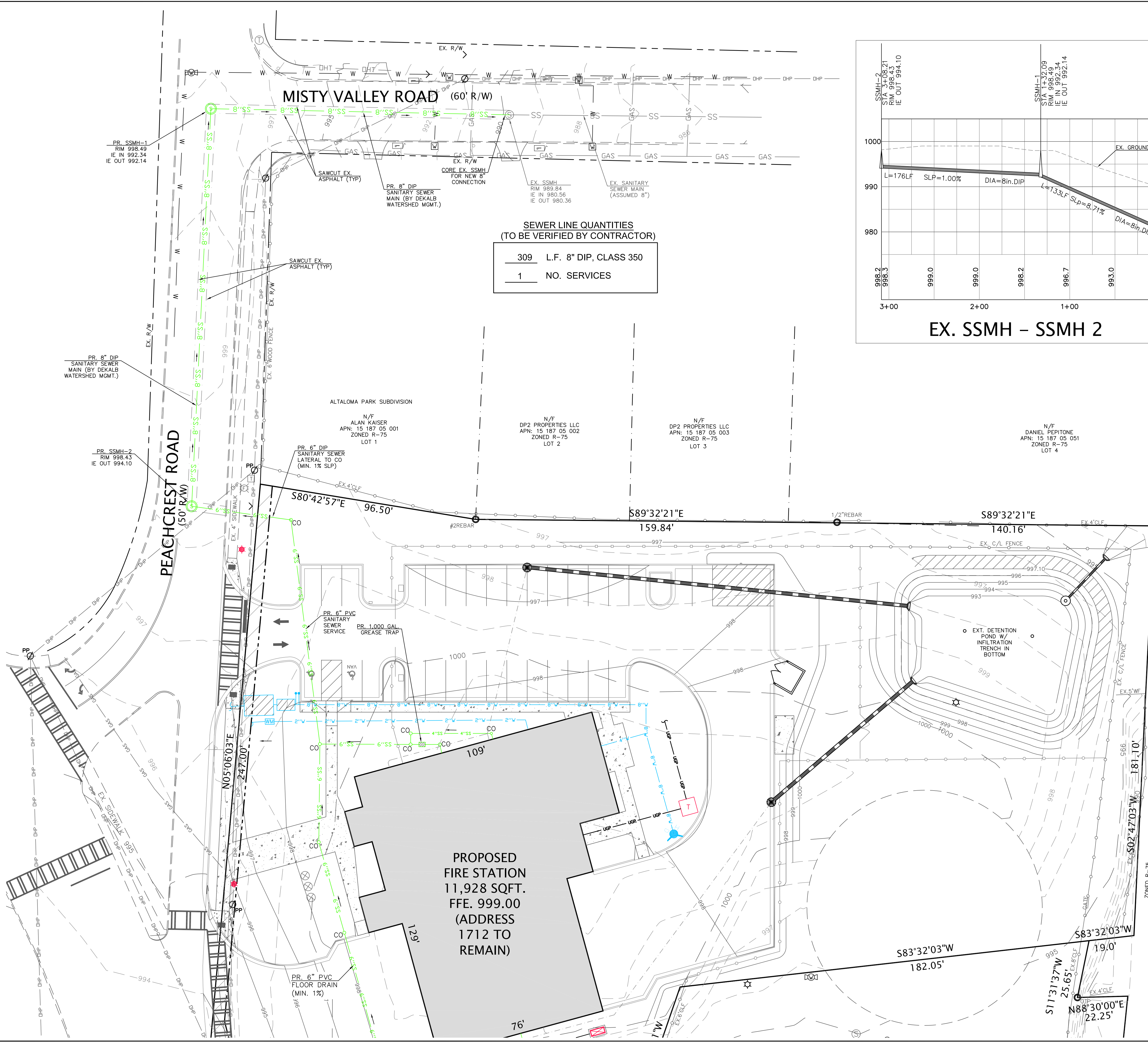
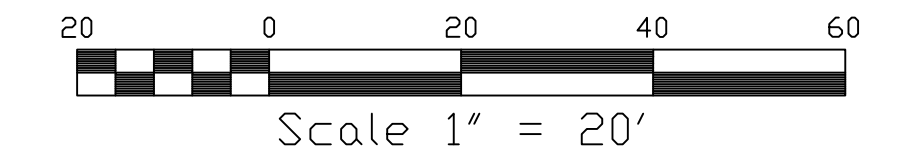
309	L.F. 8" DIP, CLASS 350
1	NO. SERVICES

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**LEGEND**

P.O.B.	POINT OF BEGINNING	EXISTING EX.
P.O.R.	POINT OF REFERENCE	TREE PROTECTION FENCING
O.T.P.	OPEN TOP PIPE	PR. FIRE HYDRANT
I.P.F.	IRON PIN FOUND	EX. FIRE HYDRANT
I.P.S.	IRON PIN SET	PR. WATER VALVE
P.L.	PROPERTY LINE	WATER METER
C.M.F.	CONCRETE MONUMENT FOUND	ELECTRIC BOX
L.L.L.	LAND LOT LINE	FLARED END SECTION
B.O.C.	BACK OF CURB	SANITARY SEWER LINE - SA
E.O.P.	EDGE OF PAVEMENT	DOUBLE-WING CATCHBASIN (DWCB)
T.W.	TOP OF WALL	SINGLE-WING CATCHBASIN (SWCB)
B.W.	BOTTOM OF WALL	WATER LINE - W
D.E.	DRAINAGE EASEMENT	SIGN
SA	SANITARY SEWER MANHOLE - SA	FENCE
JB	JUNCTION BOX (JB)	LT-DUTY ASPHALT PAVING
FW	FLARED END SECTION	HEAVY-DUTY ASPHALT PAVING
SW	SANITARY SEWER LINE - SW	
W	WATER LINE - W	
S	SIGN	
F	FENCE	
LP	LIGHT POLE (LP)	
PP	POWER POLE (PP)	





ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures					
2. Clearing & Grading Operations					
3. Building & Parking Lot Construction					
4. Grassing-Mulching, Temp. & Perm. Vegetation					
5. Maintenance of Erosion Control Measures					
6. Installation of Water Quality Device					
7. Final landscaping, grassing, cleaning of drains					

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.  
 COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013

**TOTAL SITE AREA- 2.21 Acres**  
**DISTURBED AREA- 1.84 Acres**

**NOTES:**

- SOIL TYPES: CuC (CECIL-URBAN LAND COMPLEX, 2 TO 10% SLOPES), UD (URBAN LAND).
- THE RECEIVING STREAM IS AN UNNAMED TRIBUTARY TO COBB'S CREEK. (Neither should be affected by this development).
- THE SITE IS CURRENTLY UNDEVELOPED.
- 24-HOUR CONTACT: RODNEY REESE - (404) 371-2727.
- RUNOFF COEFFICIENT "CN": PRE DEV- 56, POST DEV- 82.
- THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED & SHEET FLOWS TO COLUMBIA DR.
- THE PROPOSED CONSTRUCTION IS A FIRE STATION & PARKING LOT.
- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

RIP-RAP APRON CHART

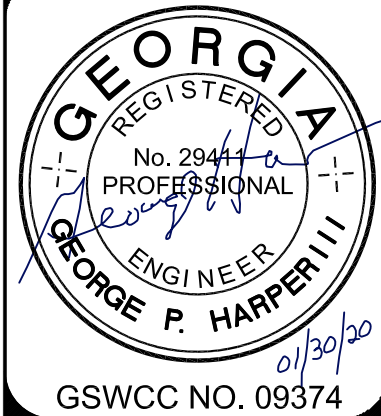
HW	PIPE DIA.	Q25(cfs)	V25(fps)	La	W1	W2	d50	D
POND-HW	18"	1.66	4.35	9'	4.5'	13.5'	0.5'	1.0'



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NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20



INITIAL PERIMETER ES & PC PLAN  
 DEKALB COUNTY  
 FIRE STATION NO. 7  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

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DRAWN: GPH  
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 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280918-DEKALB FS#7  
 SHEET C8

**APPENDIX 1- ADDITIONAL EROSION MEASURES**

1. Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cf per acre drained.
2. A large sign (4'x8') must be on the site on the actual start date of construction visible from a public roadway identifying the construction site, the permittee(s), and the contact person(s) and telephone number until a NOT has been submitted.
3. Use mulch filter berms in addition to silt fence on the site perimeter wherever construction stormwater (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
4. Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a(3), (a) - (c); secondary permittees, Part IV.D.4.b.(3), (a) - (c); and tertiary permittees Part IV.D.4.C.(3), (a) - (c).

**EROSION CONTROL NOTES:**

1. 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.
2. ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
3. THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
4. CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V ON ALL SLOPES.
5. ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
6. AMENDMENTS/ REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
7. INSPECTIONS BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.
8. WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
9. IT IS THE RESPONSIBILITY OF THE PRIMARY PERMITTEE TO PREPARE THE NOI.
10. 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-FOET OF THE COASTAL MARSHLAND BUFFER AS MEASURED FROM THE JURISDICTIONAL DETERMINATION LINE WITHOUT FIRST ACQUIRING THE NECESSARY VARIANCES & PERMITS.
11. THIS ES&PC PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL & SANITARY SEWER REGULATIONS DURING AND AFTER CONSTRUCTION.
12. THIS PROJECT DOES DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT (COBB'S CREEK). TMDL'S COMPLETE 2007.
13. 67 CY/AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES AND A SKIMMER ON THE WATER QUALITY POND OCS.
14. SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO, AND DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.
15. CONTRACTOR MUST HAUL OFF ALL SOLID WASTE TO AN APPROVED LANDFILL. SOLID WASTE BURNING ON SITE IS PROHIBITED.
16. THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.
17. CONTRACTOR MUST ADHERE TO DEKALB COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
18. SEDIMENT / EROSION CONTROL FACILITIES AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
19. ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST-GROWING COVER AND/OR MULCH.
20. OWNER/ DEVELOPER AND CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS AND SPECIFICATIONS.
21. SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
22. SILT FENCE SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROPERTY LIMITS.
23. SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
24. SEDIMENT AND EROSION MEASURES AND PRACTICES TO BE INSPECTED DAILY.
25. ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY THE ON-SITE INSPECTOR.
26. WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN PROJECT IS RELEASED BY THE INSPECTOR.
27. THE NOTICE OF INTENT AND NOTICE OF TERMINATION SHALL BE FILED WITH EPD AND DEKALB COUNTY, IF APPLICABLE.
28. "THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES AND THE INSPECTIONS AND REPAIRS WILL BE MADE BY:

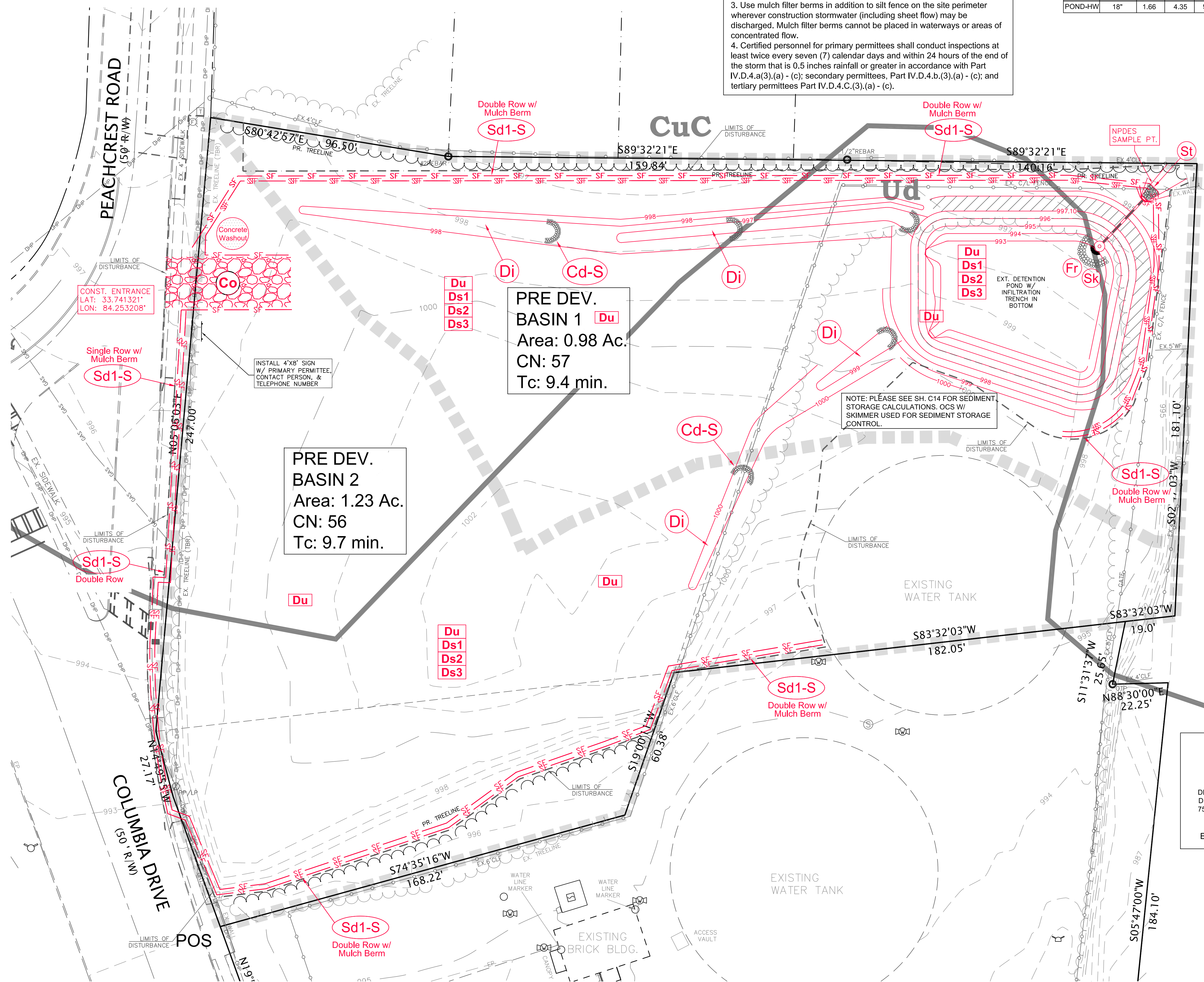
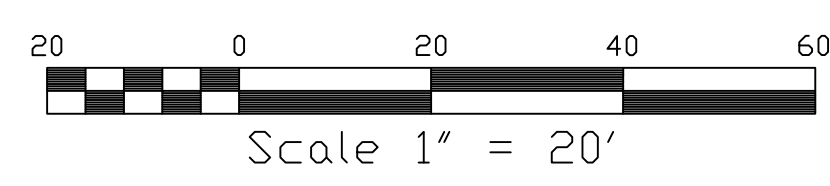
NAME: RODNEY REESE  
 ADDRESS: DEKALB COUNTY COMMUNITY DEVELOPMENT DEPARTMENT  
 750 COMMERCE DR. SUITE 401  
 DECATUR, GA 30030  
 PH:(404) 371-2727  
 Email: rreese@dekalbcountyga.gov

**DEVELOPER:**

24 HOUR CONTACT  
 PRIMARY PERMITTEE  
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**LEGEND**

P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	
P.L.	PROPERTY LINE	EX. WATER VALVE	
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	
L.L.L.	LAND LOT LINE	WATER METER	
B.O.C.	BACK OF CURB	ELECTRIC BOX	
E.O.P.	EDGE OF PAVEMENT	FLARED END SECTION	
T.W.	TOP OF WALL	SANITARY SEWER LINE - SA	
B.W.	BOTTOM OF WALL	SANITARY SEWER LINE - SS	
D.E.	DRAINAGE EASEMENT	WATER LINE	
⊙	SANITARY SEWER MANHOLE - SA	SIGN	
⊙	JUNCTION BOX (JB)	FENCE	
⊙	DOUBLE-WING CATCHBASIN (DWCB)	LT-DUTY ASPHALT PAVING	
⊙	SINGLE-WING CATCHBASIN (SWCB)	HEAVY-DUTY ASPHALT PAVING	
⊙	DROP INLET (DI)		
⊙	HEADWALL		
⊙	DRAINAGE FLOW		
⊙	LIGHT POLE (LP)		
⊙	POWER POLE (PP)		





ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures					
2. Clearing & Grading Operations					
3. Building & Parking Lot Construction					
4. Grassing-Mulching, Temp. & Perm. Vegetation					
5. Maintenance of Erosion Control Measures					
6. Installation of Water Quality Device					
7. Final landscaping, grassing, cleaning of drains					

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.  
 COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013

# TOTAL SITE AREA- 2.21 Acres DISTURBED AREA- 1.84 Acres

## APPENDIX 1- ADDITIONAL EROSION MEASURES

- Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 per acre drained.
- A large sign (4'x8') must be on the site on the actual start date of construction visible from a public roadway identifying the construction site, the permittee(s), and the contact person(s) and telephone number until a NOT has been submitted.
- Use mulch filter berms in addition to silt fence on the site perimeter wherever construction stormwater (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
- Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a(3), (a) - (c); secondary permittees, Part IV.D.4.b(3), (a) - (c); and tertiary permittees Part IV.D.4.C.(3), (a) - (c).

## NOTES:

- SOIL TYPES: CuC (CECIL-URBAN LAND COMPLEX, 2 TO 10% SLOPES), UD (URBAN LAND).
- THE RECEIVING STREAM IS AN UNNAMED TRIBUTARY TO COBBS CREEK. (Neither should be affected by this development).
- THE SITE IS CURRENTLY UNDEVELOPED.
- 24-HOUR CONTACT: RODNEY REESE - (404) 371-2727.
- RUNOFF COEFFICIENT "CN": PRE DEV- 56, POST DEV- 82.
- THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED & SHEET FLOWS TO COLUMBIA DR.
- THE PROPOSED CONSTRUCTION IS A FIRE STATION & PARKING LOT.
- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

RIP-RAP APRON CHART

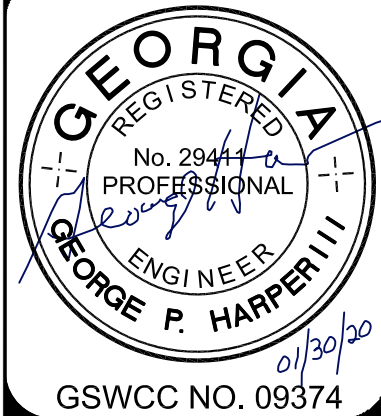
HW	PIPE DIA.	Q25(cts)	V25(fps)	La	W1	W2	d50	D
HW-A1	18"	2.77	3.87	9'	4.5'	13.5'	0.5'	1.0'
HW-B1	18"	3.21	4.05	9'	4.5'	13.5'	0.5'	1.0'
POND-HW	18"	1.66	4.35	9'	4.5'	13.5'	0.5'	1.0'



## CAUTION

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NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20

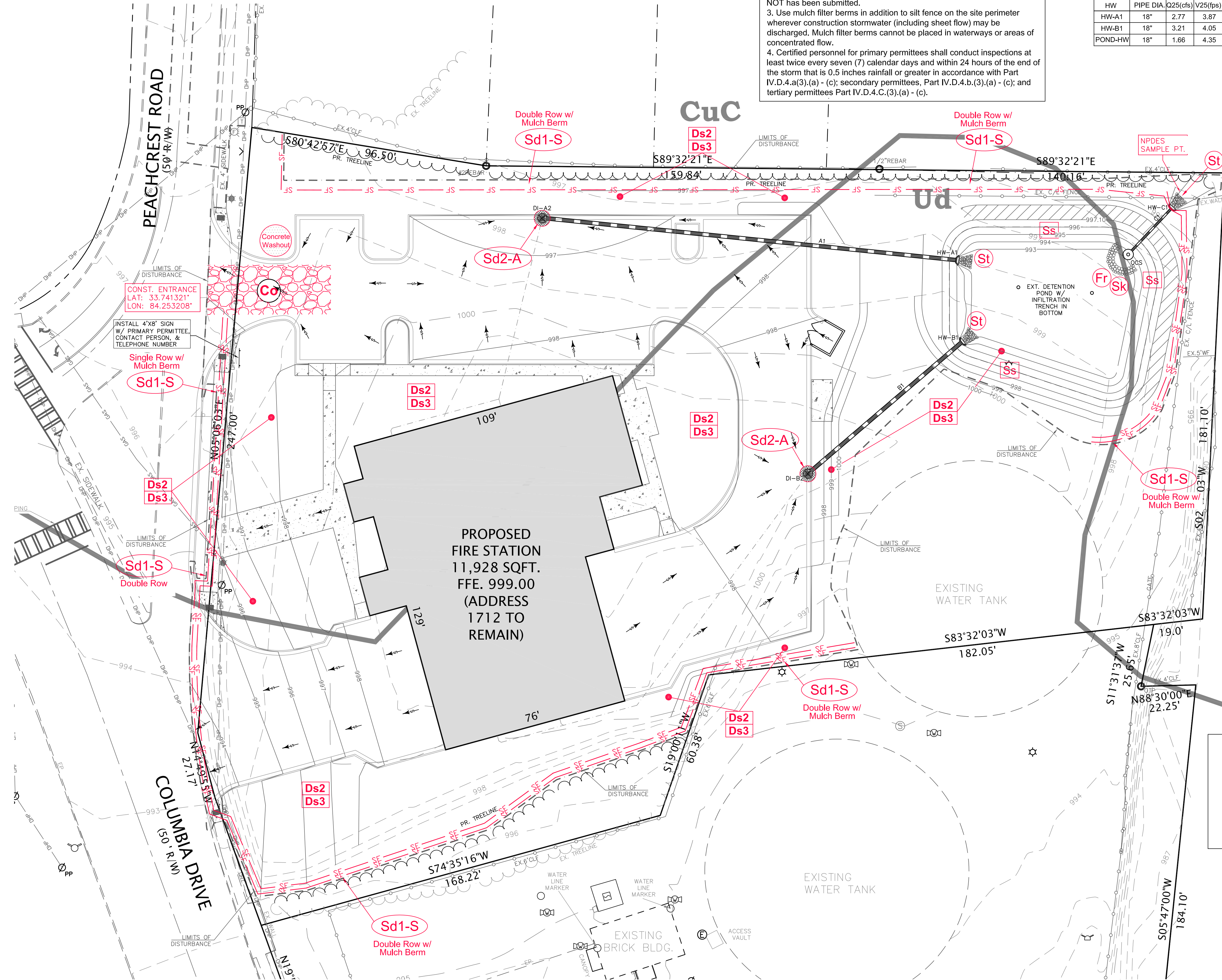


INTERMEDIATE ES & PC PLAN  
 DEKALB COUNTY  
 FIRE STATION NO. 7  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

BROWN DESIGN GROUP  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA 30344  
 PH: (404) 569-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN: GPH  
 SCALE: 1" = 20'  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280918-DEKALB FS#7  
 SHEET C9



## EROSION CONTROL NOTES:

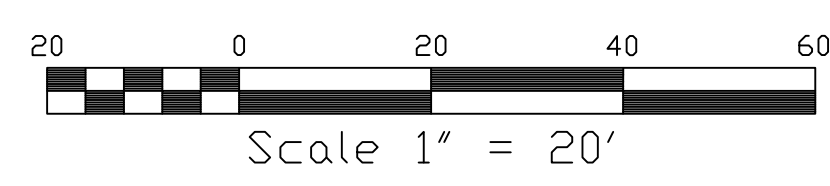
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V ON ALL SLOPES.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- AMENDMENTS/REVISIONS TO THE ES&P PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- INSPECTIONS BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR 100001.
- WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- IT IS THE RESPONSIBILITY OF THE PRIMARY PERMITTEE TO PREPARE THE NOI.
- 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 & PERMITS.
- THIS ES&P PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL & SANITARY SEWER REGULATIONS DURING AND AFTER CONSTRUCTION.
- THIS PROJECT DO NOT DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT (COBBS CREEK), TMDL'S COMPLETED 2007.
- 67 CY/AC SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES AND A SKIMMER ON THE WATER QUALITY POND OCS.
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- CONTRACTOR MUST ADHERE TO DEKALB COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA" INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST-GROWING COVER AND/OR MULCH.
- OWNER/DEVELOPER AND CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS AND SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
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 COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013

**TOTAL SITE AREA- 2.21 Acres**  
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- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

RIP-RAP APRON CHART

HW	PIPE DIA.	Q25(cfs)	V25(p/s)	La	W1	W2	d50	D
HW-A1	18"	2.77	3.87	9'	4.5'	13.5'	0.5'	1.0'
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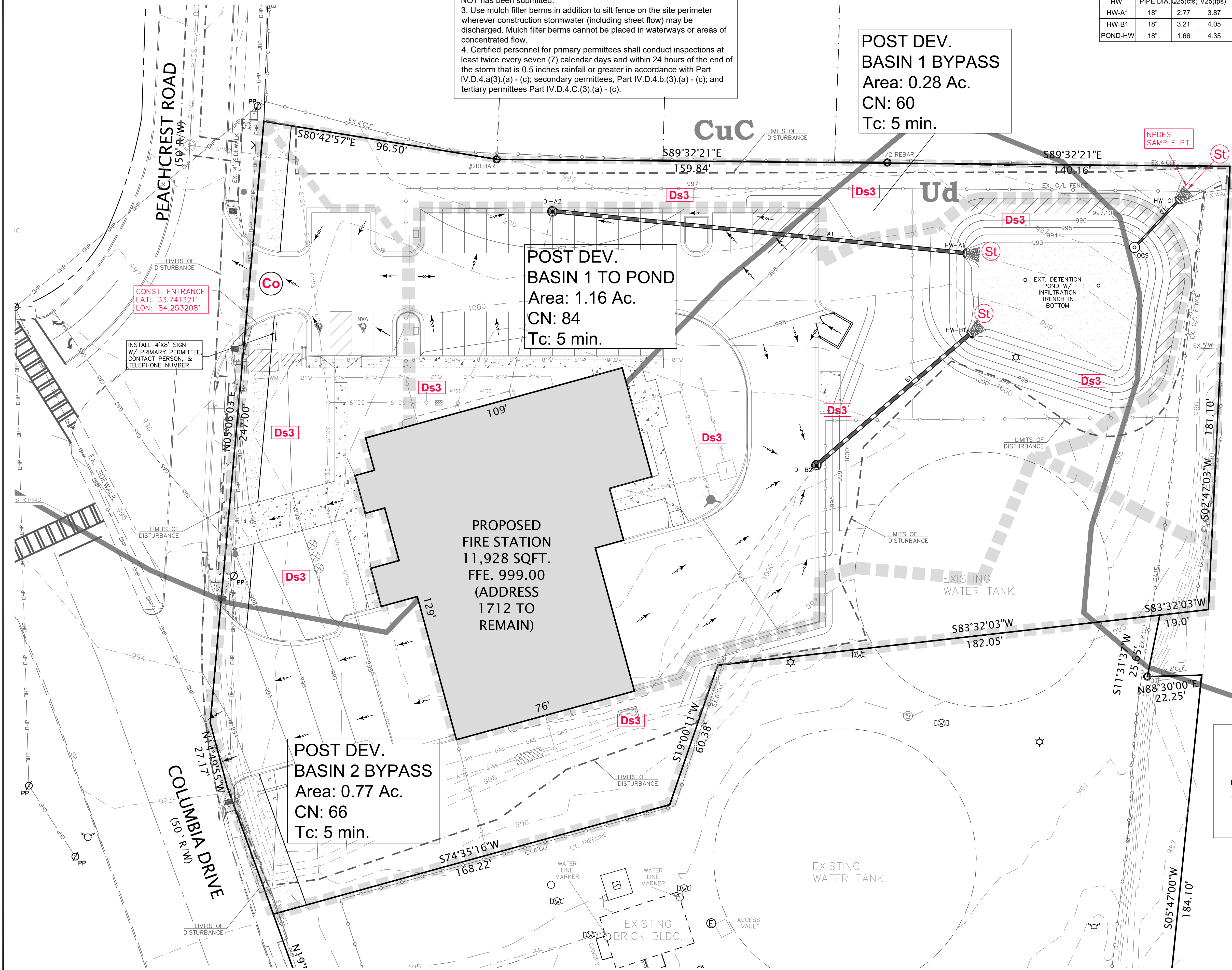
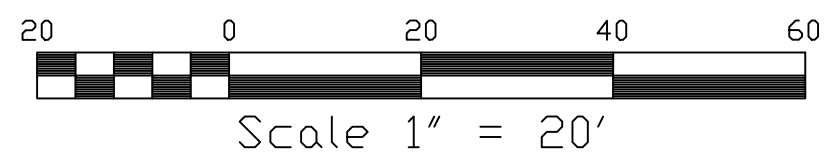
NAME: RODNEY REESE  
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**DEVELOPER:**

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**LEGEND**

P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
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D.E. DRAINAGE EASEMENT	SANITARY SEWER LINE - SS
● SANITARY SEWER MANHOLE - SA	WATER LINE - w
○ DOUBLE-WING CATCHBASIN (DWCB)	SIGN
○ SINGLE-WING CATCHBASIN (SWCB)	FENCE
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NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
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FINAL ES & PC PLAN  
 DEKALB COUNTY  
 FIRE STATION NO.7  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

BROWN DESIGN GROUP  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA 30344  
 (404) 459-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN : GPH  
 SCALE: 1" = 20'  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #:280918-DEKALB FS#7

SHEET  
**C10**



ACTIVITY SCHEDULE	MONTH	1	2	3	4
1. Installation of Erosion Control Measures					
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6. Installation of Water Quality Device					
7. Final landscaping, grassing, cleaning of drains					

BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13089C 0132J

DATED: MAY 16, 2013

**TOTAL SITE AREA- 2.21 Acres**  
**DISTURBED AREA- 1.84 Acres**

**APPENDIX 1- ADDITIONAL EROSION MEASURES**

- Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 of per acre drained.
- A large sign (4'x8') must be on the site on the actual start date of construction visible from a public roadway identifying the construction site, the permittee(s), and the contact person(s) and telephone number until a NOT has been submitted.
- Use mulch filter berms in addition to silt fence on the site perimeter wherever construction stormwater (including sheet flow) may be discharged. Mulch filter berms cannot be placed in waterways or areas of concentrated flow.
- Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Part IV.D.4.a(3).(a) - (c); secondary permittees, Part IV.D.4.b(3).(a) - (c); and tertiary permittees Part IV.D.4.C.(3).(a) - (c).

**NOTES:**

- SOIL TYPES: CuC (CECIL-URBAN LAND COMPLEX, 2 TO 10% SLOPES), UD (URBAN LAND).
- THE RECEIVING STREAM IS AN UNNAMED TRIBUTARY TO COBBES CREEK. (Neither should be affected by this development).
- THE SITE IS CURRENTLY UNDEVELOPED.
- 24-HOUR CONTACT: RODNEY REESE - (404) 371-2727.
- RUNOFF COEFFICIENT "CN": PRE DEV- 56, POST DEV- 82.
- THE DEVELOPED SITE FLOWS TO THE PROPOSED DETENTION POND TO BE CONSTRUCTED & SHEET FLOWS TO COLUMBIA DR.
- THE PROPOSED CONSTRUCTION IS A FIRE STATION & PARKING LOT.
- THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.



**CAUTION**

THE UTILITIES SHOWN ARE SHOWN FOR THE CONTRACTOR'S CONVENIENCE ONLY. THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR THE LOCATIONS SHOWN AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATIONS OF ALL UTILITIES WITHIN THE LIMITS OF THE WORK. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

**EROSION CONTROL NOTES:**

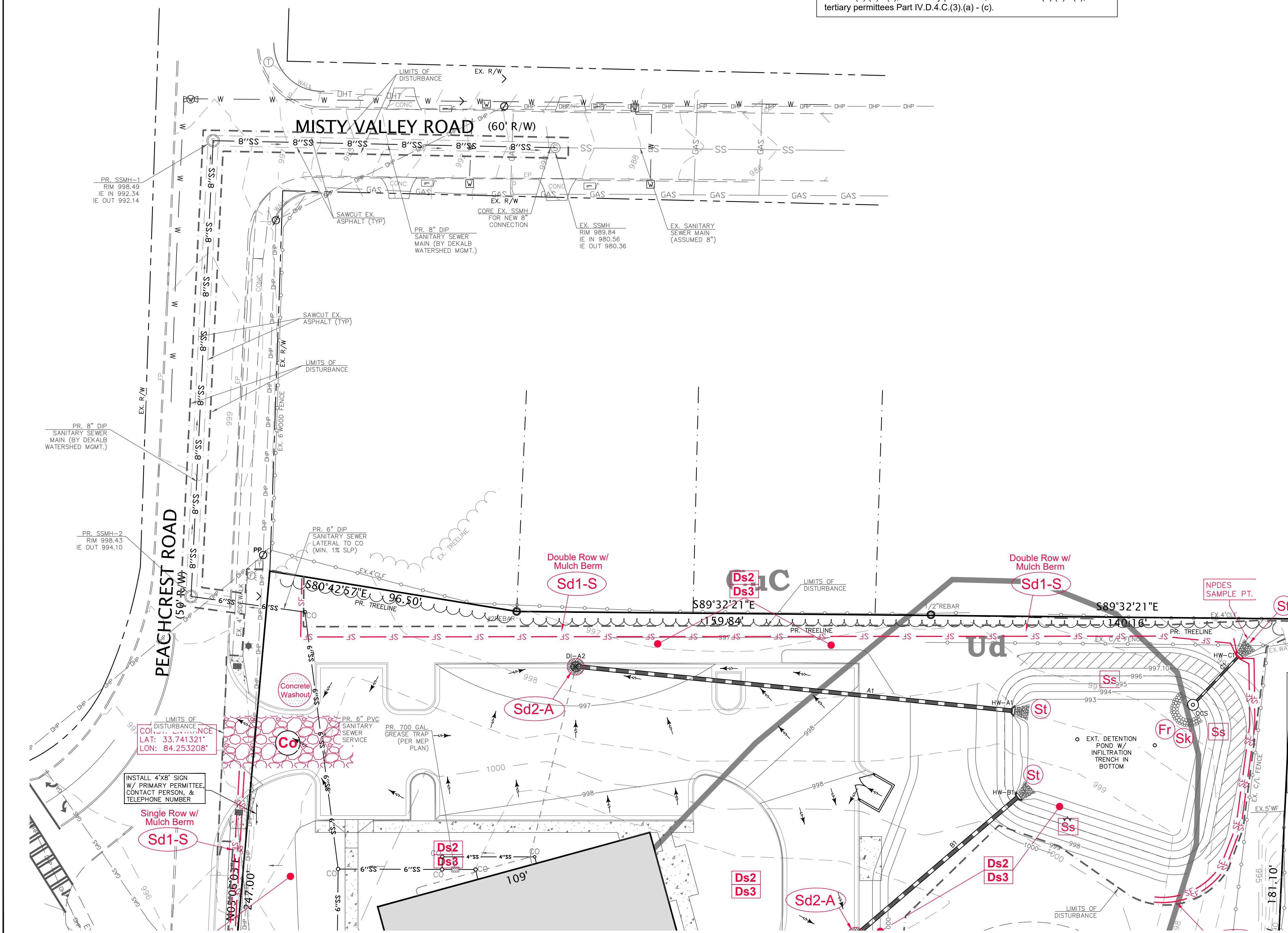
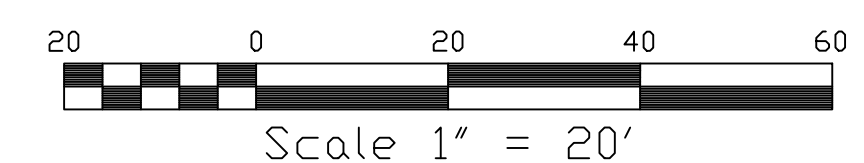
- EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES. IF FULL IMPLEMENTATION OF THE APPROVED PLAN DOES NOT PROVIDE FOR EFFECTIVE EROSION CONTROL, ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IMPLEMENTED TO CONTROL OR TREAT THE SEDIMENT SOURCE.
- ALL DISTURBED AREAS TO BE GRASSED AS SOON AS CONSTRUCTION PHASES PERMIT.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES.
- CUT AND FILL SLOPES SHALL NOT EXCEED 2H:1V ON ALL SLOPES.
- ANY DISTURBED AREA LEFT EXPOSED FOR A PERIOD GREATER THAN 14 DAYS SHALL BE STABILIZED WITH MULCH OR TEMPORARY SEEDING.
- AMENDMENTS/ REVISIONS TO THE ES&PC PLAN WHICH HAVE A SIGNIFICANT EFFECT ON BMP'S WITH A HYDRAULIC COMPONENT MUST BE CERTIFIED BY THE DESIGN PROFESSIONAL.
- INSPECTIONS BY CERTIFIED PERSONNEL PROVIDED BY THE PRIMARY PERMITTEE AND THE ASSOCIATED RECORDS SHALL BE KEPT ON SITE IN COMPLIANCE WITH GAR. 100001.
- WASTE MATERIALS SHALL NOT BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- IT IS THE RESPONSIBILITY OF THE PRIMARY PERMITTEE TO PREPARE THE NOI.
- 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 & PERMITS.
- THIS ES&PC PLAN IS IN COMPLIANCE WITH WASTE DISPOSAL & SANITARY SEWER REGULATIONS DURING AND AFTER CONSTRUCTION.
- THIS PROJECT DOES DISCHARGE STORMWATER INTO AN IMPAIRED STREAM SEGMENT, OR WITHIN 1 LINEAR MILE UPSTREAM OF AND WITHIN THE SAME WATERSHED, AS ANY PORTION OF A BIOTA IMPAIRED STREAM SEGMENT (COBBES CREEK, TMDL'S COMPLETED 2007).
- 67 CY/ AC. SEDIMENT STORAGE SUBSTANTIALLY HANDLED BY SILT FENCE PLACED ALONG THE TOE OF SLOPES AND A SKIMMER ON THE WATER QUALITY POND OCS.
- SEDIMENT STORAGE VOLUME MUST BE IN PLACE PRIOR TO, AND DURING ALL LAND DISTURBANCE ACTIVITIES UNTIL FINAL STABILIZATION OF THE SITE HAS BEEN ACHIEVED.
- CONTRACTOR MUST HAUL OFF ALL SOLID WASTE TO AN APPROVED LANDFILL. SOLID WASTE BURNING ON SITE IS PROHIBITED.
- THE DESIGN PROFESSIONAL WHO PREPARED THE ES&PC PLAN IS TO INSPECT THE INSTALLATION OF THE INITIAL SEDIMENT STORAGE REQUIREMENTS AND PERIMETER CONTROL BMP'S WITHIN 7 DAYS AFTER INSTALLATION.
- CONTRACTOR MUST ADHERE TO DEKALB COUNTY EROSION AND SEDIMENT CONTROL REGULATIONS AND THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA"
- SEDIMENT / EROSION CONTROL FACILITIES AND STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST- GROWING COVER AND/OR MULCH.
- OWNER/ DEVELOPER AND CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT AND EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS AND SPECIFICATIONS.
- SEDIMENT AND EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE AND UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
- SILT FENCE SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT AND EROSION FROM LEAVING PROPERTY LIMITS.
- SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
- SEDIMENT AND EROSION MEASURES AND PRACTICES TO BE INSPECTED DAILY.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES AND PRACTICES WILL BE INSTALLED IF DEEMED NECESSARY BY THE ON-SITE INSPECTOR.
- WEEKLY EROSION AND SEDIMENT CONTROL REPORTS SHALL BE SUBMITTED TO THE DEVELOPMENT DEPARTMENT STARTING WITH THE ISSUANCE OF THE DEVELOPMENT PERMIT AND ENDING WHEN PROJECT IS RELEASED BY THE INSPECTOR.
- THE NOTICE OF INTENT AND NOTICE OF TERMINATION SHALL BE FILED WITH EPD AND DEKALB COUNTY, IF APPLICABLE.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES AND PRACTICES PRIOR TO LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES AND THE INSPECTIONS AND REPAIRS WILL BE MADE BY:

NAME: RODNEY REESE  
ADDRESS: DEKALB COUNTY COMMUNITY DEVELOPMENT DEPARTMENT  
750 COMMERCE DR. SUITE 401  
DECATUR, GA 30030  
PH: (404) 371-2727  
Email: rreese@dekalbcountyga.gov

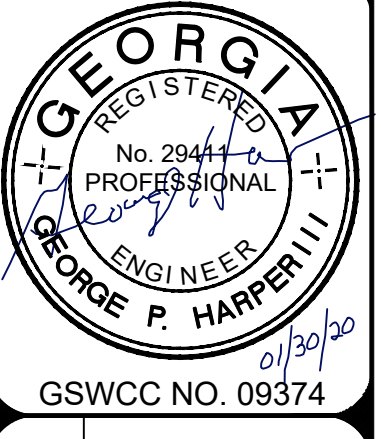
**DEVELOPER:**

24 HOUR CONTACT  
**PRIMARY PERMITTEE**  
RODNEY REESE  
DEKALB COUNTY COMMUNITY  
DEVELOPMENT DEPARTMENT  
750 COMMERCE DR. SUITE 401  
DECATUR, GA 30030  
PH: (404) 371-2727  
E: rreese@dekalbcountyga.gov

LEGEND	
P.O.B. POINT OF BEGINNING	EXISTING EX.
P.O.R. POINT OF REFERENCE	PROPOSED PR.
O.T.P. OPEN TOP PIPE	TREE PROTECTION FENCING TPF
I.P.F. IRON PIN FOUND	PR. FIRE HYDRANT
I.P.S. IRON PIN SET	EX. FIRE HYDRANT
P.L. PROPERTY LINE	EX. WATER VALVE
C.M.F. CONCRETE MONUMENT FOUND	PR. WATER VALVE
L.L.L. LAND LOT LINE	TOP OF WALL
B.O.C. BACK OF CURB	WATER METER
E.O.P. EDGE OF PAVEMENT	DRAINAGE EASEMENT
T.W. TOP OF WALL	ELECTRIC BOX
B.W. BOTTOM OF WALL	SANITARY SEWER MANHOLE - SA
DE. DRAINAGE EASEMENT	JUNCTION BOX (JB)
SANITARY SEWER MANHOLE - SA	FLARED END SECTION
JUNCTION BOX (JB)	SANITARY SEWER LINE - SS
DOUBLE-WING CATCHBASIN (DWCB)	WATER LINE - W
SINGLE-WING CATCHBASIN (SWCB)	SIGN
DROP INLET (DI)	FENCE
HEADWALL	LT-DUTY ASPHALT PAVING
DRAINAGE FLOW	HEAVY-DUTY ASPHALT PAVING
LIGHT POLE (LP)	
POWER POLE (PP)	



NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20



OUTFALL SEWER ES & PC PLAN  
**DEKALB COUNTY**  
**FIRE STATION NO.7**  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

**BROWN DESIGN GROUP**  
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
PH: (404) 559-1805 (F) 404-571-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN : GPH  
SCALE: 1" = 20'  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #: 280918-DEKALB FS#7

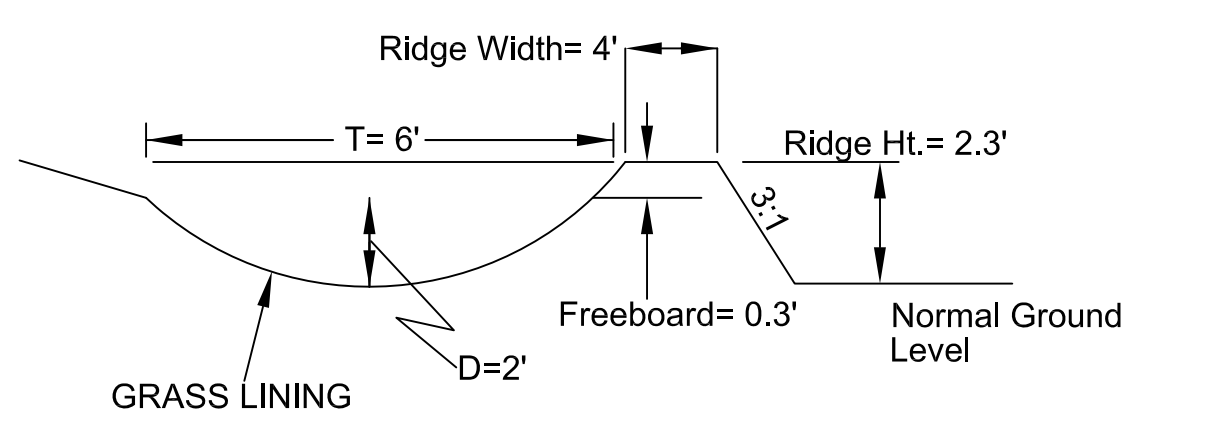
SHEET  
**C10-1**



# EROSION AND SEDIMENT CONTROL NOTES:

- CONTRACTOR MUST ADHERE TO DEKALB COUNTY EROSION & SEDIMENT CONTROL REGULATIONS & THE "MANUAL FOR EROSION & SEDIMENT CONTROL IN GEORGIA".
- SEMENT EROSION CONTROL FACILITIES & STORM DRAINAGE FACILITIES SHALL BE INSTALLED PRIOR TO ANY OTHER CONSTRUCTION.
- ALL GRADED AREAS SHALL BE STABILIZED IMMEDIATELY WITH A FAST-GROWING COVER &/OR MULCH.
- OWNER, DEVELOPER OR CONTRACTOR SHALL BE RESPONSIBLE DURING CONSTRUCTION FOR THE CONTINUOUS MAINTENANCE OF SEDIMENT & EROSION CONTROL MEASURES AS CALLED FOR ON DRAWINGS & SPECIFICATIONS.
- SEDIMENT & EROSION CONTROL MEASURES SHALL NOT BE REMOVED UNTIL ALL CONSTRUCTION IS COMPLETE & UNTIL A PERMANENT GROUND COVER HAS BEEN ESTABLISHED.
- ALL OPEN DRAINAGE SWALES SHALL BE GRASSED & RIP-RAP SHALL BE PLACED AS REQUIRED TO CONTROL EROSION.
- A MINIMUM OF 10 SQUARE YARDS OF 50 POUND STONE SHALL BE PLACED AT ALL DOWNSTREAM HEADWALLS, OR AS SHOWN.
- SILT FENCE SHALL BE LOCATED ON SITE TO PREVENT SEDIMENT & EROSION FROM LEAVING PROPERTY LIMITS.
- SILT FENCE SHALL BE CLEANED OR REPLACED WHEN SILT HAS ACCUMULATED TO ONE-HALF THE ORIGINAL HEIGHT OF THE BARRIER.
- THE ESCAPE OF SEDIMENT FROM THE SITE SHALL BE PREVENTED BY THE INSTALLATION OF EROSION CONTROL MEASURES & PRACTICES PRIOR TO, OR CONCURRENT WITH LAND DISTURBING ACTIVITIES. EROSION CONTROL MEASURES WILL BE MAINTAINED AT ALL TIMES & THE INSPECTIONS & REPAIRS WILL BE MADE BY:

RODNEY REESE  
DEKALB COUNTY COMMUNITY DEVELOPMENT DEPARTMENT  
750 COMMERCE DR. SUITE 401  
DECATUR, GA 30030  
PH: (404) 371-2727  
E: reese@dekalbcountyga.gov

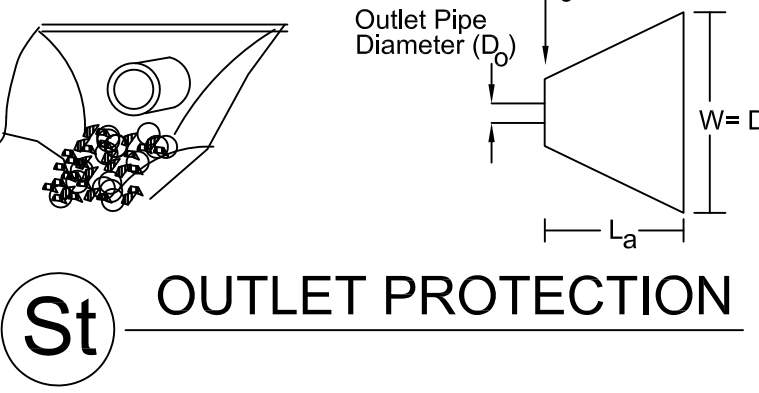


## DI - CONSTRUCTION SPECIFICATIONS

- All trees, brush, stumps, obstructions, and other objectionable material shall be removed and disposed of so as not to interfere with the proper functioning of the diversion.
- The diversion shall be excavated or shaped to line, grade, and cross section as required to meet the criteria specified herein and free of irregularities which will impede normal flow.
- All fills shall be machine compacted as needed to prevent unequal settlement that would cause damage in the completed diversion.
- All earth removed and not needed in construction shall be spread or disposed of so that it will not interfere with the functioning of the diversion.
- Diversion channel shall be stabilized in accordance with specification C1- Channel Stabilization.

## Ds1 DISTURBED AREA STABILIZATION (WITH MULCHING ONLY)

MATERIAL	RATE	DEPTH
STRAW OR HAY	2.5 TONS/ACRES	6"-10"
WOOD WASTE CHIPS, SAWDUST, BARK	6 TO 9 TONS/AC	2"-3"
CUTBACK ASPHALT	1200 GAL/AC	---
POLYETHYLENE FILM	SEE MANUFACTURER'S RECOMMENDATION	---
GEOTEXTILE JUTE MATTING	SEE MANUFACTURER'S RECOMMENDATION	---



## Ds4 DISTURBED AREA STABILIZATION (WITH SODDING)

GRASS	VARIETIES	RESOURCE AREA	GROWING SEASON
BERMUDAGRASS	COMMON TIFWAY TIFGREEN TIFLAWN	M-L P.C P.C P.C	WARM WEATHER
BAHAGRASS	PENSACOLA	P.C	WARM WEATHER
ST. AUGUSTINE	COMMON BITTER BLUE RALEIGH	C	WARM WEATHER
ZOYSIA	EMERALD MEYER	P.C	WARM WEATHER
TALL FESCUE	KENTUCKY	M-L P	COOL WEATHER

## Ds2 DISTURBED AREA STABILIZATION (WITH TEMPORARY SEEDINGS)

SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
RYEGRASS (ANNUAL)	40 LBS/ACRE	AUGUST - APRIL
MILLET, PEARL	50 LBS/ACRE	APRIL - AUGUST
RYE	168 LBS/ACRE	AUGUST - DECEMBER

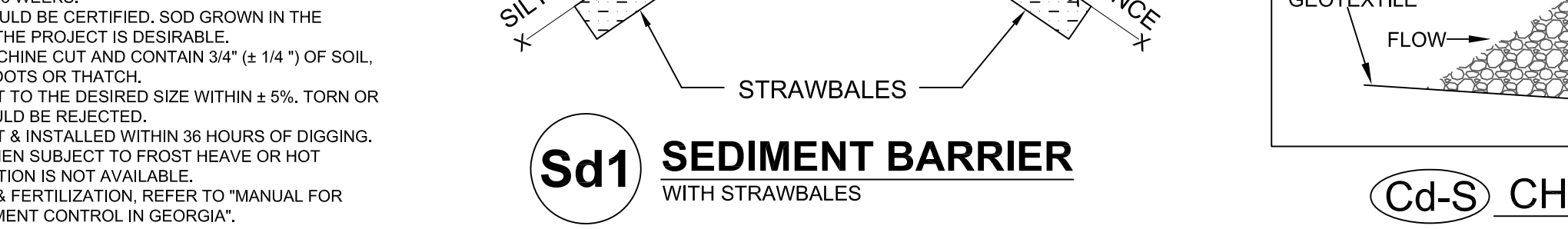
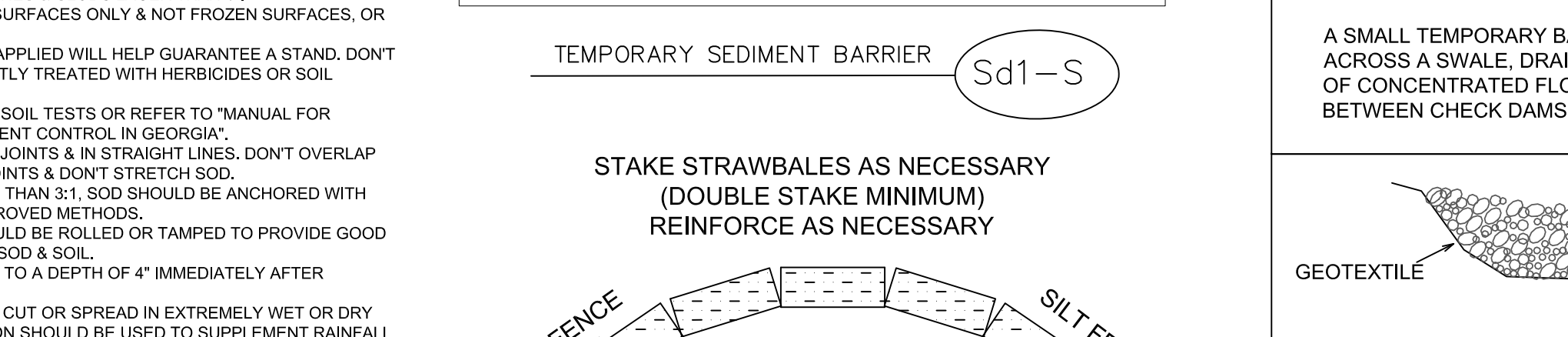
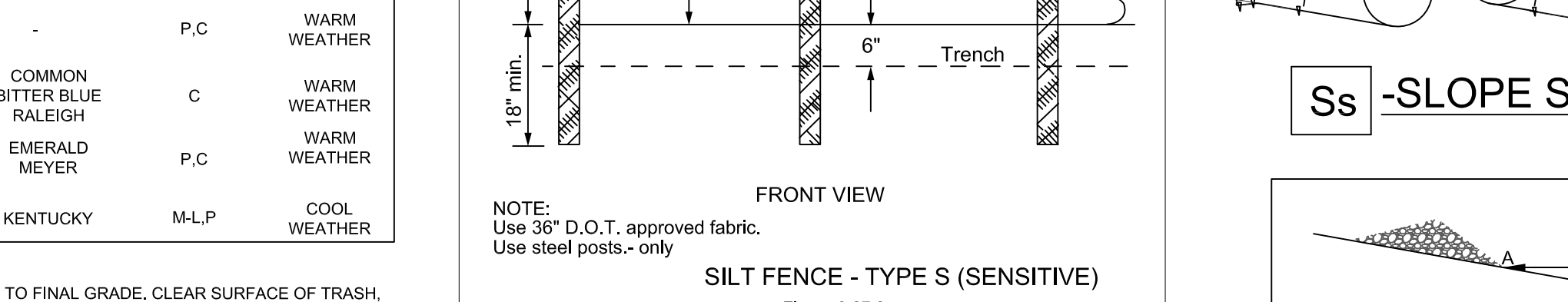
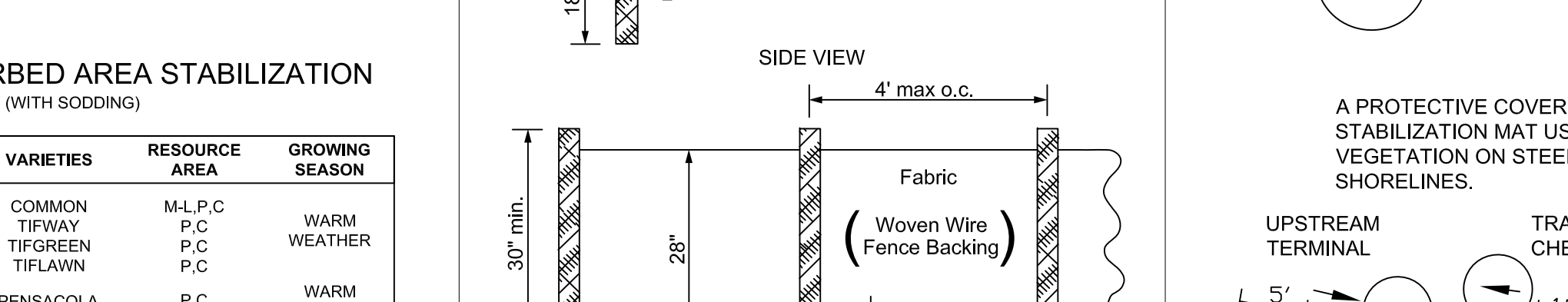
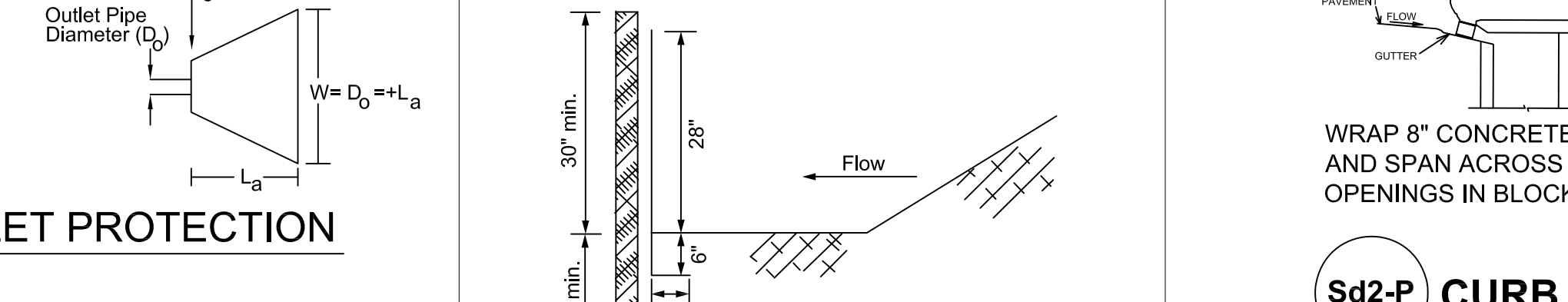
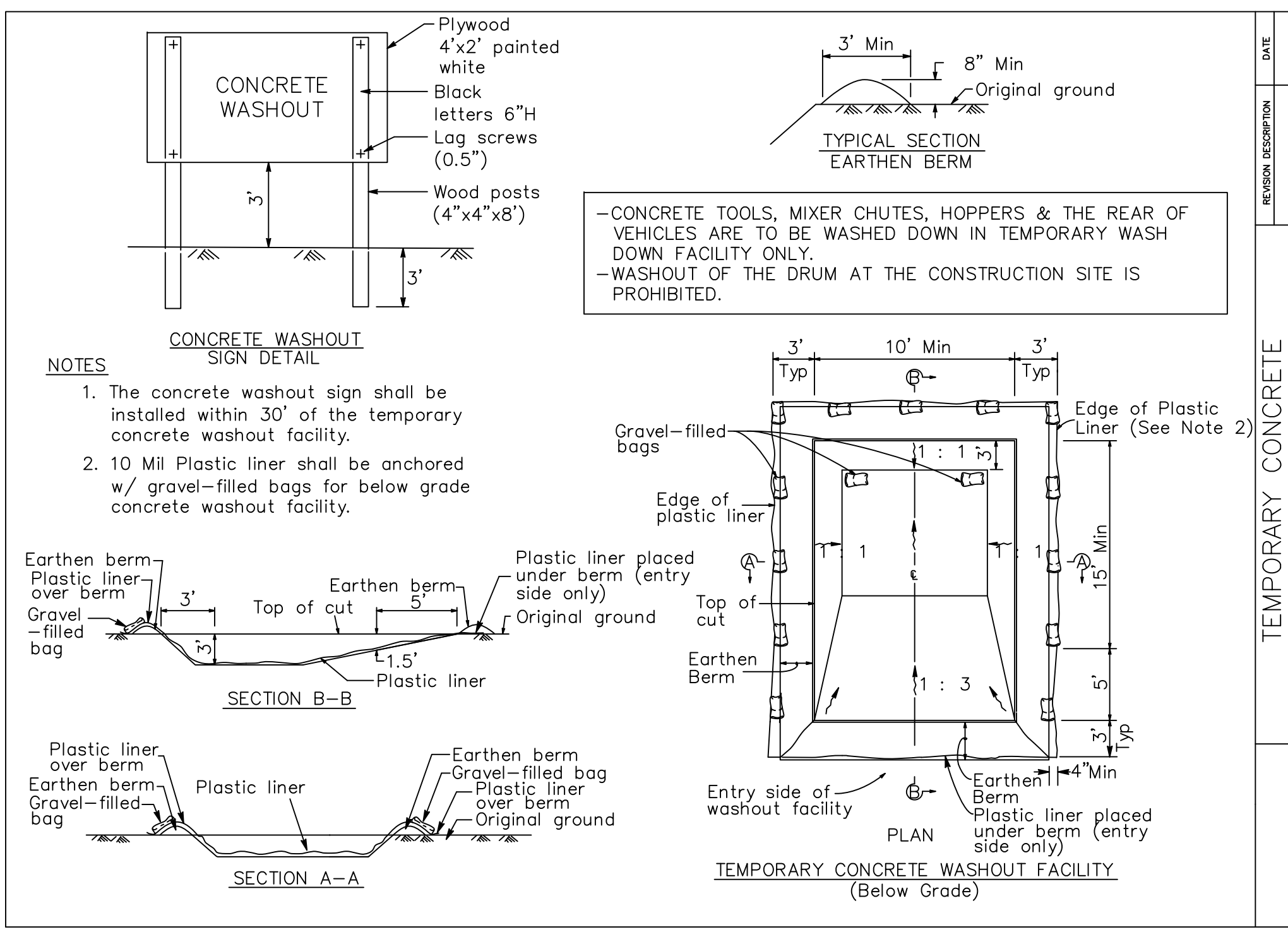
## Ds3 DISTURBED AREA STABILIZATION (WITH PERMANENT VEGETATION)

SPECIES	SEEDING RATE (LBS. PURE LIVE SEED)	PLANTING DATES
BERMUDA, COMMON (HULLED)	6-10 LBS/ACRE	MARCH - JUNE
BERMUDA, COMMON (UNHULLED)	6-10 LBS/ACRE	OCTOBER - FEBRUARY
FESCUE, TALL	30-50 LBS/ACRE	AUGUST - OCTOBER MARCH - APRIL
LESPEDEZA	60-75 LBS/ACRE	JANUARY - DECEMBER

- NOTES:
- OTHER SPECIES MAY BE USED AS RECOMMENDED BY THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
  - MULCHING, LIME AND FERTILIZATION ARE REQUIRED. CONVENTIONAL PLANTING SHALL UTILIZE RECOMMENDED RATES DESCRIBED IN THE "MANUAL FOR EROSION AND SEDIMENT CONTROL IN GEORGIA".
  - HYDRAULIC SEEDING MIXTURES SHALL CONSIST OF APPROPRIATE AMOUNTS OF SEED, MULCH AND FERTILIZER AS DIRECTED BY THE ENGINEER.
  - SPECIES MAY BE MIXED TO OBTAIN OPTIMUM RESULTS.
  - APPLY AGRICULTURAL LIME AS PRESCRIBED BY SOIL TESTS OR AT A RATE OF 1 TO 2 TONS PER ACRE.

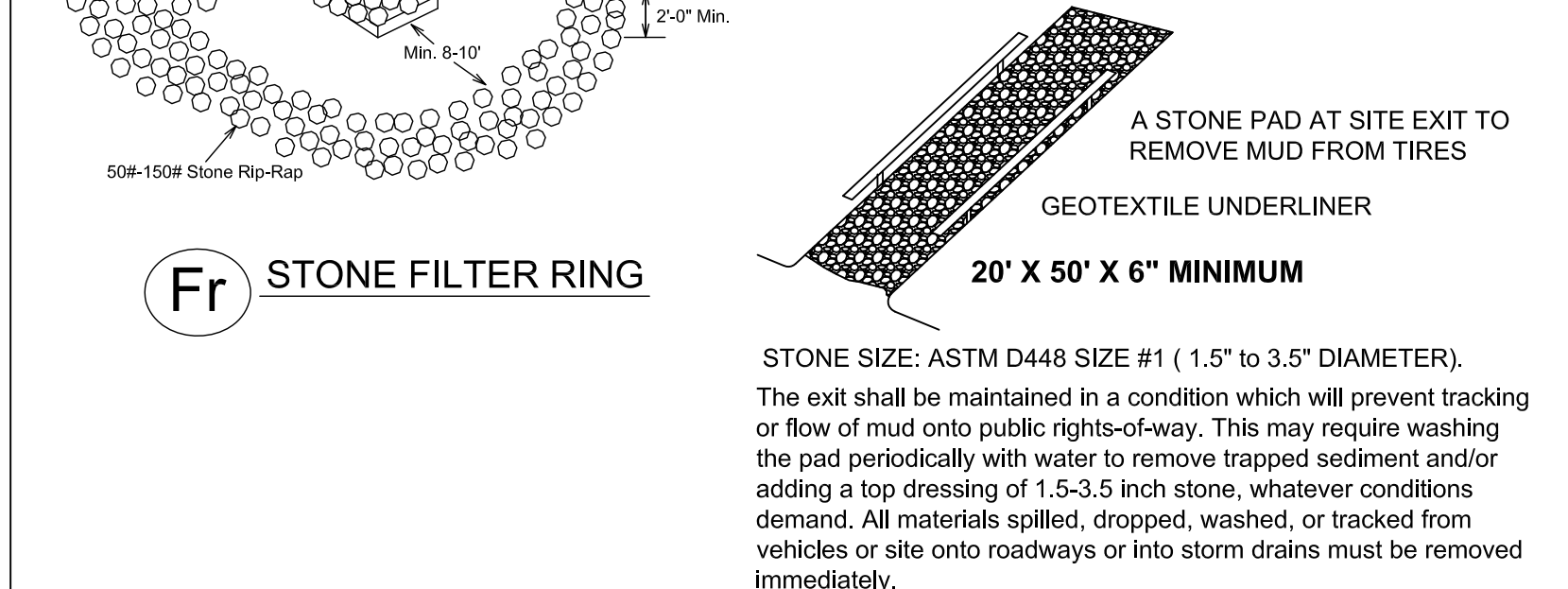
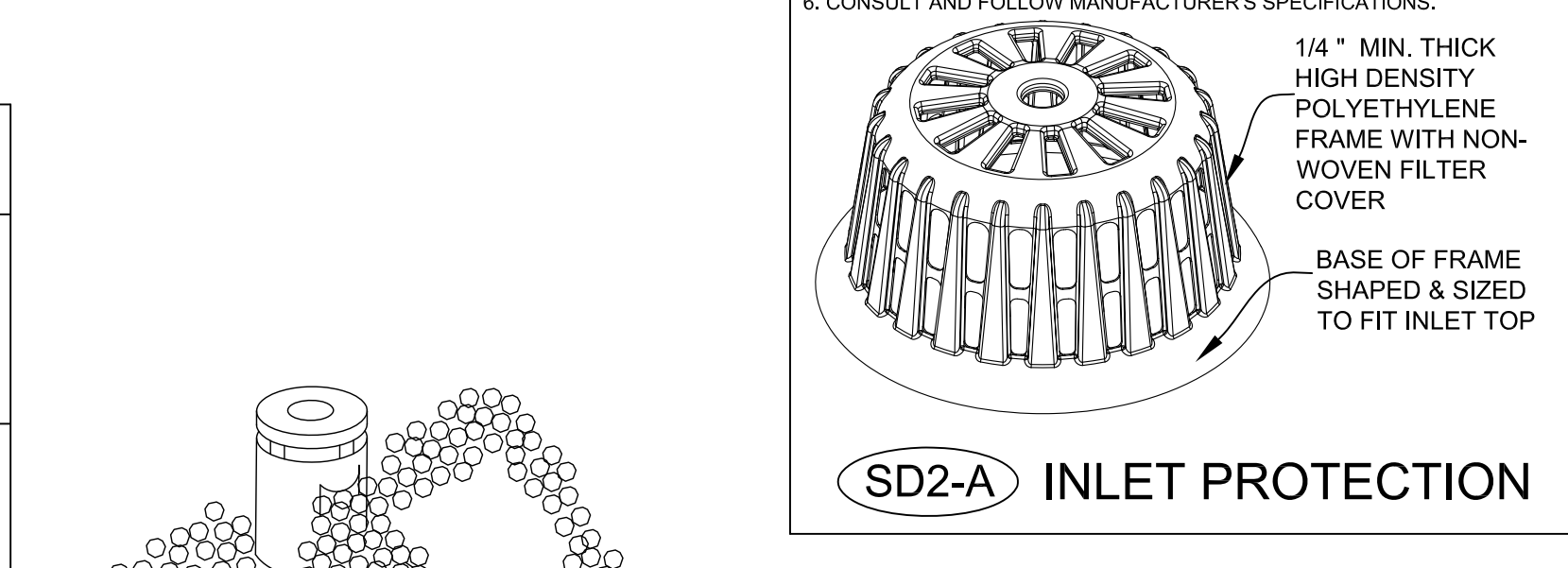
# SEEDING CHART

SPECIES	RATES / SPACING		PLANTING DATES			YEARS TO APPLY FERTILIZER	FERTILIZER RATES - POUNDS PER ACRE			
	1 CU. FT.	ACRES	MTS. - L'STONE	PIEDMONT	COASTAL		N	P	K	N TOP-DRESSING
MIDLAND OR COMMON BERMUDAGRASS	1 CU. FT.	25-40 CU. FT.	3/15 - 8/1	---	---	FIRST	60 - 90	120 - 180	120 - 180	50 - 100
SPRING OR SOD PLUGS	3' X 3'	3' X 3'	3/15 - 8/1	---	---	SECOND	48	96	96	50 - 100
HULLED COMMON BERMUDAGRASS	0.25 LB.	8-10 LB.	4/10 - 6/15	4/1 - 6/15	2/15 - 6/15	FIRST	60 - 90	120 - 180	120 - 180	50 - 100
						SECOND	48	96	96	50 - 100
TALL FESCUEGRASS AND CLEAN COMBINE RUN VIRGATA OR SERICEA LESPEDEZA	1 LB.	30-40 LB.	8/1 - 10/15	9/1 - 11/1	9/15 - 11/15	FIRST	60 - 90	120 - 180	120 - 180	0-50 IN SPRING
	1.5 LB.	60-75 LB.				SECOND	0	70 - 100	70 - 100	---



# TYPICAL CONSTRUCTION SEQUENCE FOR SILT-SAVER FRAME & FILTER

- EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.
- PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.
- SLIDE THE FILTER OVER THE FRAME.
- FILL THE FILTER POCKETS WITH SOIL #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.
- BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.
- CONSULT AND FOLLOW MANUFACTURER'S SPECIFICATIONS.



## Co TEMP. CONSTRUCTION EXIT

THE ES&PC PLAN MUST INCLUDE AT LEAST FOUR (4) OF THE FOLLOWING BMPs FOR THOSE AREAS OF THE SITE WHICH DISCHARGE TO AN IMPAIRED STREAM SEGMENT AND FOR SITES WHICH EPD HAS APPROVED IN WRITING A REQUEST TO DISTURB 50 ACRES OR MORE AT ANY ONE TIME. The four items chosen must be appropriate for the site conditions.

- | Plan Page # | Included | Y/N | Description   |
|-------------|----------|-----|---|
| 9-12        | Y        |     | During construction activities, double the width of the 25 foot undisturbed vegetated buffer along all State waters requiring a buffer and the 50 foot undisturbed vegetated buffer along all State waters classified as "trout streams" requiring a buffer. During construction activities, EPD will not grant variances to any such buffers that are increased in width.  |
| 9-12        | Y        |     | Increase all temporary sediment basins and retrofitted storm water management basins to provide sediment storage of at least 3600 cubic feet (134 cubic yards) per acre drained.  |
| 9-12        | Y        |     | Use baffles in all temporary sediment basins and retrofitted storm water management basins to at least double the conventional flow path length to the outlet structure.  |
| 9-12        | Y        |     | A large sign (minimum 4 feet x 8 feet) must be posted on site by the actual start date of construction. The sign must identify the public roadway. The sign must identify the following: (1) construction site, (2) the permittee(s), (3) the contact person(s) and telephone number(s), and (4) the permittee-hosted website where the Plan can be viewed and must be provided on the submitted NOI. The sign must remain on site and the Plan must be available on the provided website until a NOT has been submitted. |
| 9-12        | Y        |     | Use flocculants or coagulants and/or mulch to stabilize areas left disturbed for more than seven (7) calendar days in accordance with Section III, D.1. of the NPDES Permit.  |
| 9-12        | Y        |     | Conduct turbidity sampling after every rain event of 0.5 inch or greater within any 24 hour period, recognizing the exceptions specified in Section IV D.4.c.d. of the NPDES Permits.   |
| 9-12        | Y        |     | Comply with the applicable end-of-pipe turbidity effluent limit, without the "BMP defense" as provided for in O.C.G.A. 12-7-6 (a)(1).   |
| 9-12        | Y        |     | Reduce the total planned site disturbance to less than 50% impervious surfaces (excluding any State-mandated buffer areas from such calculations). All calculations must be included on the Plan.   |
| 9-12        | Y        |     | Limit the amount of disturbed area at any one time to no greater than 25 acres or 50% of the total planned site, whichever is less. All calculations must be included on the Plan.  |
| 9-12        | Y        |     | Use "Din II" techniques available on the EPD website to model and manage construction storm water runoff (including sheet flow). All calculations must be included on the Plan. (https://epd.georgia.gov/erosion-and-sedimentation)   |
| 9-12        | Y        |     | Add appropriate organic soil amendments (e.g., compost) and conduct pre- and post-construction soil sampling to a depth of six (6) inches to document improved levels of soil carbon after final stabilization of the construction site.  |
| 9-12        | Y        |     | Use appropriate erosion control slope stabilization instead of concrete in all construction storm water ditches and storm drainages designed for a 25 year, 24 hour rainfall event.   |
| 9-12        | Y        |     | Use flocculants or coagulants under a passive dosing method (e.g., flocculant blocks) within construction storm water ditches and storm drainages that feed into temporary sediment basins and retrofitted management basins.   |
| 9-12        | Y        |     | Install sod for a minimum 20 foot width (in lieu of seeding) after final grade has been achieved, along the site perimeter wherever storm water (including sheet flow) may be discharged.   |
| 9-12        | Y        |     | Conduct soil tests to identify and to implement site-specific fertilizer needs.   |
| 9-12        | Y        |     | Certified personnel for primary permittees shall conduct inspections at least twice every seven (7) calendar days and every 24 hours of the storm that is 0.5 inches rainfall or greater in accordance with Section IV D.4.a.(3)(a) - (c); secondary permittees, Section IV D.4.b.(3)(a) - (c); and tertiary permittees Section IV D.4.c.(3)(a) - (c).  |
| 9-12        | Y        |     | Apply the appropriate compost blankets (minimum depth 1.5 inches) to protect soil surfaces until vegetation is established during the final stabilization phase of the construction activity.   |
| 9-12        | Y        |     | Use alternative BMPs whose performance has been documented to be superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). (If using this item please refer to the Alternative BMP guidance document found at www.gawcc.org)   |
| 9-12        | Y        |     | Limit the total planned site disturbance to less than 15% impervious surfaces (excluding any state mandated buffer areas from such calculations). All calculations must be included in the Plan.  |
| 9-12        | Y        |     | Conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase of the project. The design professional who prepared the Plan in accordance with Section IV A.5 of the permit. The Plan must include a statement that the primary permittee must retain the design professional who prepared the Plan to conduct inspections during the intermediate grading and drainage BMP phase and during the final BMP phase.   |
| 9-12        | Y        |     | Install Post Construction BMPs (e.g., runoff reduction BMPs) which remove 80% TSS as outlined in the Georgia Stormwater Management Manual known as the Blue Book or an equivalent or more stringent design manual.  |

\* This requirement is different for infrastructure projects.  
Certified personnel for primary permittees shall conduct inspections at least once every seven (7) calendar days and within 24 hours of the end of the storm that is 0.5 inches rainfall or greater in accordance with Section IV D.4.a.(3)(a) - (c) of the permit.  
Effective January 1, 2019

# EROSION, SEDIMENTATION & POLLUTION CONTROL PLAN CHECKLIST

NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20

Project Name: SWDC - MOUNTAIN DISTRICT AT LANTA SATULITE  
 City/County: DEKALB COUNTY Station No. 3732 Columbia Dr.  
 Name & email of person filling out checklist: George Harper, george.harper@qarumountingengineering.com  
 Date on Plans: 01/23/2020  
 Plan included: TO BE SHOWN ON ES&PC PLAN

Plan Page #	Included	Y/N	Description												
9-12	Y		The applicable Erosion, Sedimentation and Pollution Control Plan Checklist established by the Commission and in effect on 11/1/19 of the year in which the land disturbing activity is permitted. (The completed Checklist must be submitted with the ES&PC Plan or the Plan will not be reviewed)												
9-12	Y		Level II certification number issued by the Commission, signature and seal of the certified design professional. (Signature, seal and Level II number must be on each sheet pertaining to ES&PC Plan or the Plan will not be reviewed)												
9-12	Y		Limits of disturbance shall be no greater than 50 acres at any one time without prior written authorization from the EPD District Office. If EPD approves the request to disturb 50 acres or more at any one time, the Plan must include at least 4 of the BMPs listed in Appendix 1 of this checklist. (A copy of the written approval by EPD must be attached to the Plan to be reviewed.)												
9-12	Y		The name and phone number of the 24-hour local contact responsible for erosion, sedimentation and pollution controls.												
9-12	Y		Provide the name, address, email address, and phone number of primary permittee.												
9-12	Y		Note total and disturbed acreage of the project or phase under construction.												
9-12	Y		Provide the GPS location of the construction exit for the site. Give the Latitude and Longitude in decimal degrees.												
9-12	Y		Initial date of the Plan and the dates of any revisions made to the Plan including the entity who requested the revisions.												
16	Y		Description of the nature of construction activity.												
1	Y		Provide vicinity map showing site's relation to surrounding areas. Include designation of streams, if necessary.												
9-12	Y		Identify the project receiving waters and describe all sensitive adjacent areas including special lakes, residential areas, wetlands, marshlands, etc. which may be affected.												
16	Y		Design professional's certification statement and signature that the site was visited prior to development of the ES&PC Plan as stated on Part IV page 19 of the permit.												
16	Y		Design professional's certification statement and signature that the permittee's ES&PC Plan provides for an appropriate and comprehensive system of BMPs and sampling to meet permit requirements as stated on Part IV page 19 of the permit.												
9-12	Y		Clearly note the statement that "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." in accordance with Part IV A.5 page 25 of the permit.												
9-12	Y		Clearly note the statement that "Non-exempt activities shall not be conducted within the 25 or 50-foot undisturbed stream buffers as measured from the point of wasted 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."												
9-12	Y		Clearly note the statement that "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."												
9-12	Y		Clearly note the statement that "Waste materials shall not be discharged to waters of the State, except as authorized by a Section 404 permit."												
9-12	Y		Clearly note statement that "The escape of sediment from the site shall be prevented by the installation of erosion and sediment control measures and perimeter control BMPs. 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."												
9-12	Y		Clearly note the statement "Any disturbed area left exposed for a period greater than 14 days shall be stabilized with mulch or temporary seeding."												
9-12	Y		Any construction activity which discharges storm water into an Impaired Stream Segment, or within 1 linear mile upstream of and within the same watershed as, any portion of an Impaired Stream Segment must comply with Part III, C. of the permit. Include the completed Appendix 1 listing all the BMPs that will be used for these areas of the site which discharge to the Impaired Stream Segment.												
N/A	Y		If a TMDL Implementation Plan for sediment has been finalized for the Impaired Stream Segment (identified in Item 22 above) at least six months prior to submittal of NOI, the ES&PC Plan must address any site-specific conditions or requirements included in the TMDL Implementation Plan.												
9-12	Y		BMPs for concrete washout of tools, concrete mixer chutes, hoppers and the rear of the vehicles. Washout of the drum at the construction site is prohibited.												
9-12	Y		Provide BMPs for the remediation of all petroleum spills and leaks.												
9-12	Y		Description of the practices that will be installed during the construction process to control pollutants in storm water that will occur after construction operations have been completed.												
16	Y		Description of practices to provide cover for building materials and building products on site.												
9-12	Y		Description of the practices that will be used to reduce the pollutants in storm water discharges.												
9-12	Y		Description and chart or timeline of the intended sequence of major activities which disturb soils for the major portions of the site (i.e., initial perimeter and sediment storage BMPs, clearing and grubbing activities, excavation activities, utility activities, temporary and final stabilization).												
16	Y		Provide complete requirements of inspections and record keeping by the primary permittee.												
16	Y		Provide complete requirements of sampling frequency and reporting of sampling results.												
16	Y		Provide complete details for retention of records as per Part IV.F. of the permit.												
16	Y		Description of analytical methods to be used to collect and analyze the samples from each location.												
16	Y		Describe B ratios for NTU values at all outfall sampling points where applicable.												
9-12	Y		Delineate all sampling locations, perennial and intermittent streams and other water bodies into which storm water is discharged.												
9-12	Y		A description of appropriate controls and measures that will be implemented at the construction site including: (1) initial perimeter control measures and perimeter control BMPs; (2) intermediate grading and drainage BMPs; and (3) final BMPs. For construction sites where there will be no mass grading and the initial perimeter control BMPs, intermediate grading and drainage BMPs, and final BMPs are the same, the Plan may combine all of the BMPs into a single phase.												
9-12	Y		Graphic scale and North arrow.												
9-12	Y		Existing and proposed contour lines with contour lines drawn at an interval in accordance with the following: <table border="1"> <thead> <tr> <th>Map Scale</th> <th>Contour Spacing</th> <th>Contour Interval, ft</th> </tr> </thead> <tbody> <tr> <td>1 inch = 100ft or larger scale</td> <td>Flat 0 - 2%</td> <td>0.5 or 1</td> </tr> <tr> <td></td> <td>Rolling 2 - 8%</td> <td>1 or 2</td> </tr> <tr> <td></td> <td>Steep 8% +</td> <td>2.5 or 10</td> </tr> </tbody> </table>	Map Scale	Contour Spacing	Contour Interval, ft	1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1		Rolling 2 - 8%	1 or 2		Steep 8% +	2.5 or 10
Map Scale	Contour Spacing	Contour Interval, ft													
1 inch = 100ft or larger scale	Flat 0 - 2%	0.5 or 1													
	Rolling 2 - 8%	1 or 2													
	Steep 8% +	2.5 or 10													
9-12	Y		Use of alternative BMPs whose performance has been documented to be equivalent to or superior to conventional BMPs as certified by a Design Professional (unless disapproved by EPD or the Georgia Soil and Water Conservation Commission). Please refer to the Alternative BMP Guidance Document found at www.gawcc.org												
9-12	Y		Use of alternative BMP for application to the Equivalent BMP List. Please refer to Appendix A-2 of the Manual for Erosion & Sediment Control in Georgia 2016 Edition.												
N/A			Delineation of the applicable 25-foot or 50-foot undisturbed buffers adjacent to state waters and any additional buffers required by the Local Issuing Authority. Clearly note and delineate all areas of impact.												
N/A			Delineation of on-site wetlands and all state waters located on and within 200 feet of the project site.												
9-12	Y		Delineation and acreage of contributing drainage basins on the project site.												
Hydro	Y		Provide hydrology study and maps of drainage basins for both the pre- and post-developed conditions.												
9-12	Y		An estimate of the runoff coefficient or peak discharge flow of the site prior to and after construction activities are completed.												
9-11	Y		Storm-drain pipes and weir velocities with appropriate outlet protection to accommodate discharges without erosion. Identify/Delineate all storm water discharge points.												
9-12	Y		Soil series for the project site and their delineation.												
9-12	Y		The limits of disturbance for each phase of construction.												
9-12	Y		Provide a minimum of 67 cubic yards of sediment storage per acre drained using a temporary sediment basin, retrofitted detention pond, and/or excavated inlet sediment traps for each common drainage location. Sediment storage volume must be in place prior to and during all land disturbance activities until final stabilization of the site has been achieved. A written justification explaining the decision to use equivalent controls when a sediment basin is not attainable must be included in the Plan for each common drainage location in which a sediment basin is not provided. A written justification to why 67 cubic yards of storage is not attainable must also be given. Worksheets from the Manual included for structural BMPs and all calculations used for the storage design professional to obtain the required sediment when using equivalent controls. When discharging from sediment basins and impoundments, permittees are required to utilize outlet structures that withdraw water from the surface, unless infeasible. If outlet structures that withdraw water from the surface are not feasible, a written justification explaining this decision must be included in the Plan.												
9-12	Y		Location of Best Management Practices that are consistent with and no less stringent than the Manual for Erosion and Sediment Control in Georgia. Use uniform coding symbols from the Manual, Chapter 6, with legends.												
13	Y		Provide detailed drawings for all structural practices. Specifications must, at a minimum, meet the guidelines set forth in the Manual for Erosion and Sediment Control in Georgia.												
13	Y		Describe vegetative plan, noting all temporary and permanent vegetative practices. Include species, planting dates and seedling, fertilizer, lime and mulching rates. Vegetative plan shall be site specific for appropriate time of the year that seeding will take place and for the appropriate geographic region of Georgia.												
9-12	Y		If using this checklist for a project that is less than 1 acre and not part of a common development but within 200 ft of a perennial stream, the checklist items would be N/A.												

REGISTERED PROFESSIONAL ENGINEER  
 GEORGE P. HARPER, II  
 No. 20444  
 DEKALB COUNTY  
 GSWCC NO. 09374

EROSION CONTROL DETAILS  
 DEKALB COUNTY  
 FIRE STATION NO. 7  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

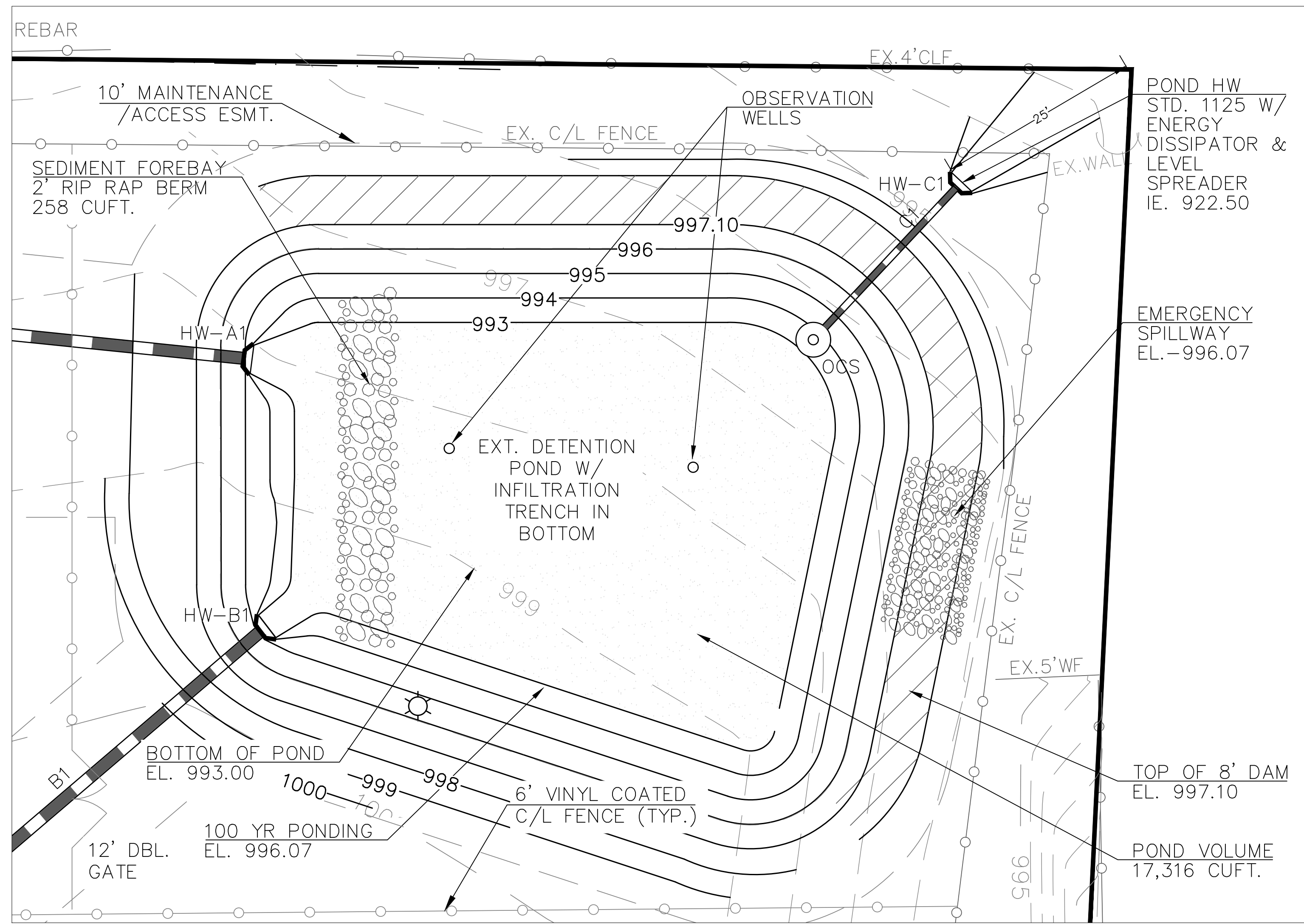
PLANS NOT ISSUED FOR CONSTRUCTION

BROWN DESIGN GROUP  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST COAST, GA 30344  
 (404) 459-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

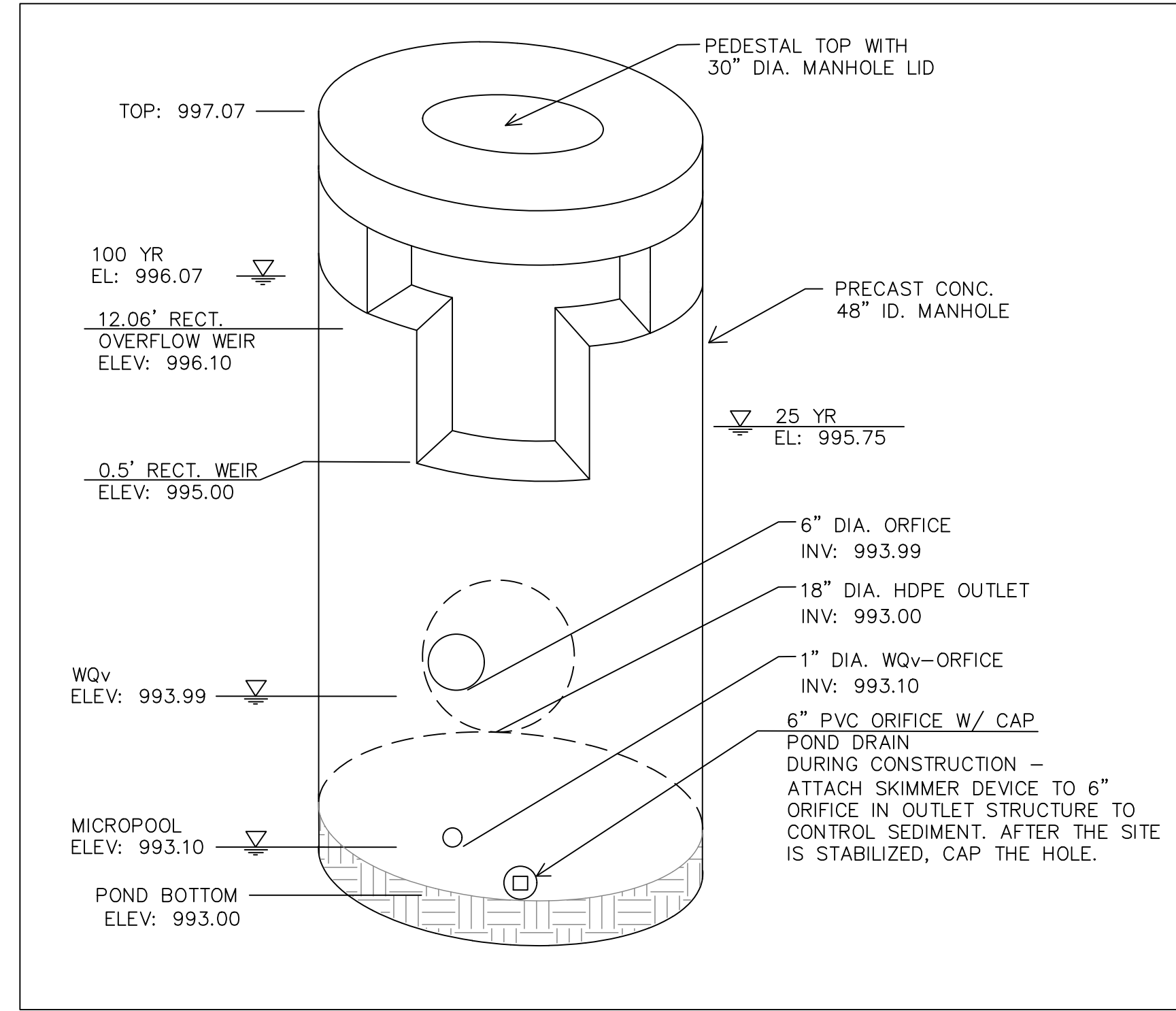
DRAWN : GPH  
 SCALE: NTS  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280910-DEKALB FS#7  
 SHEET

C11

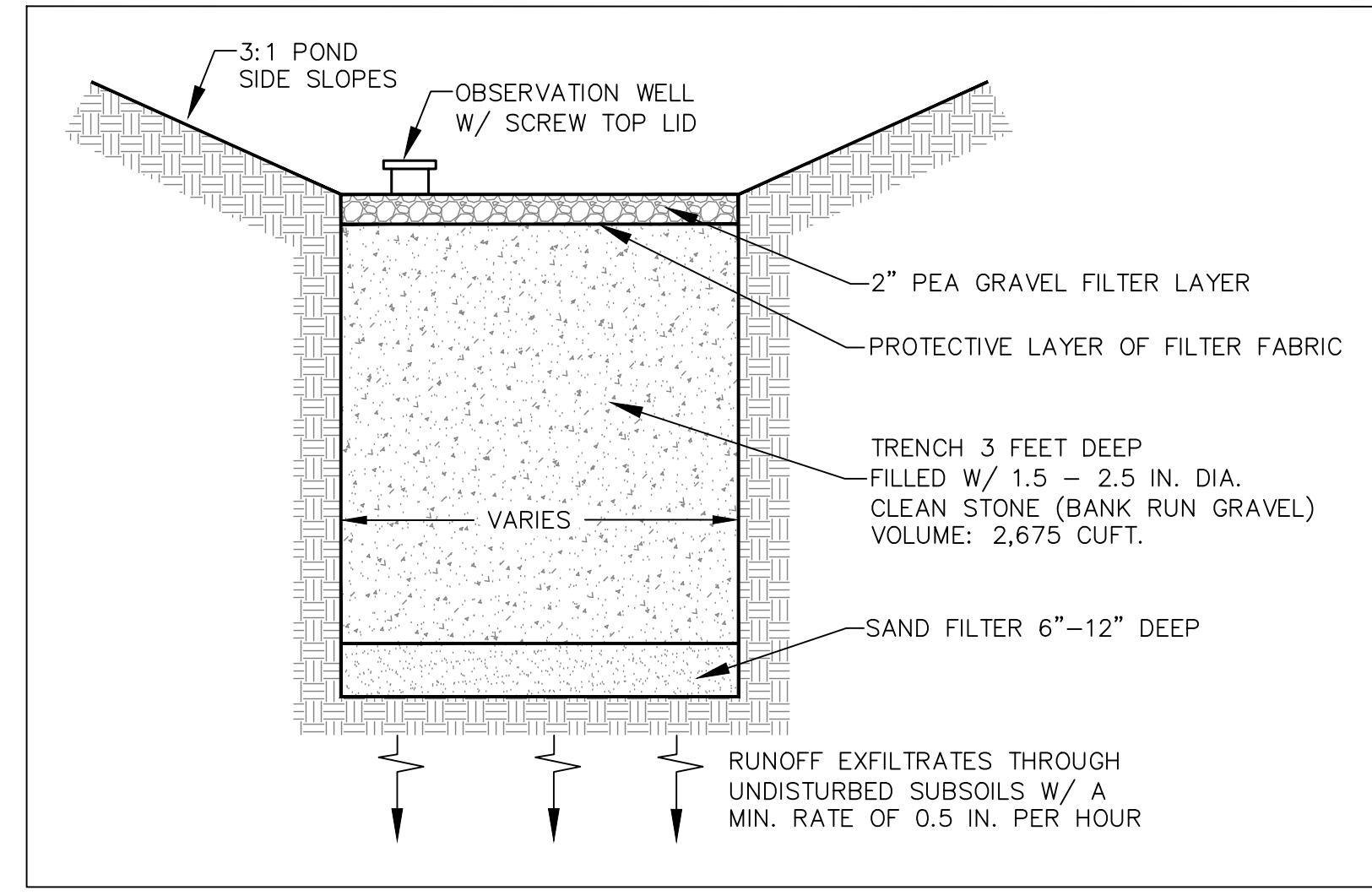




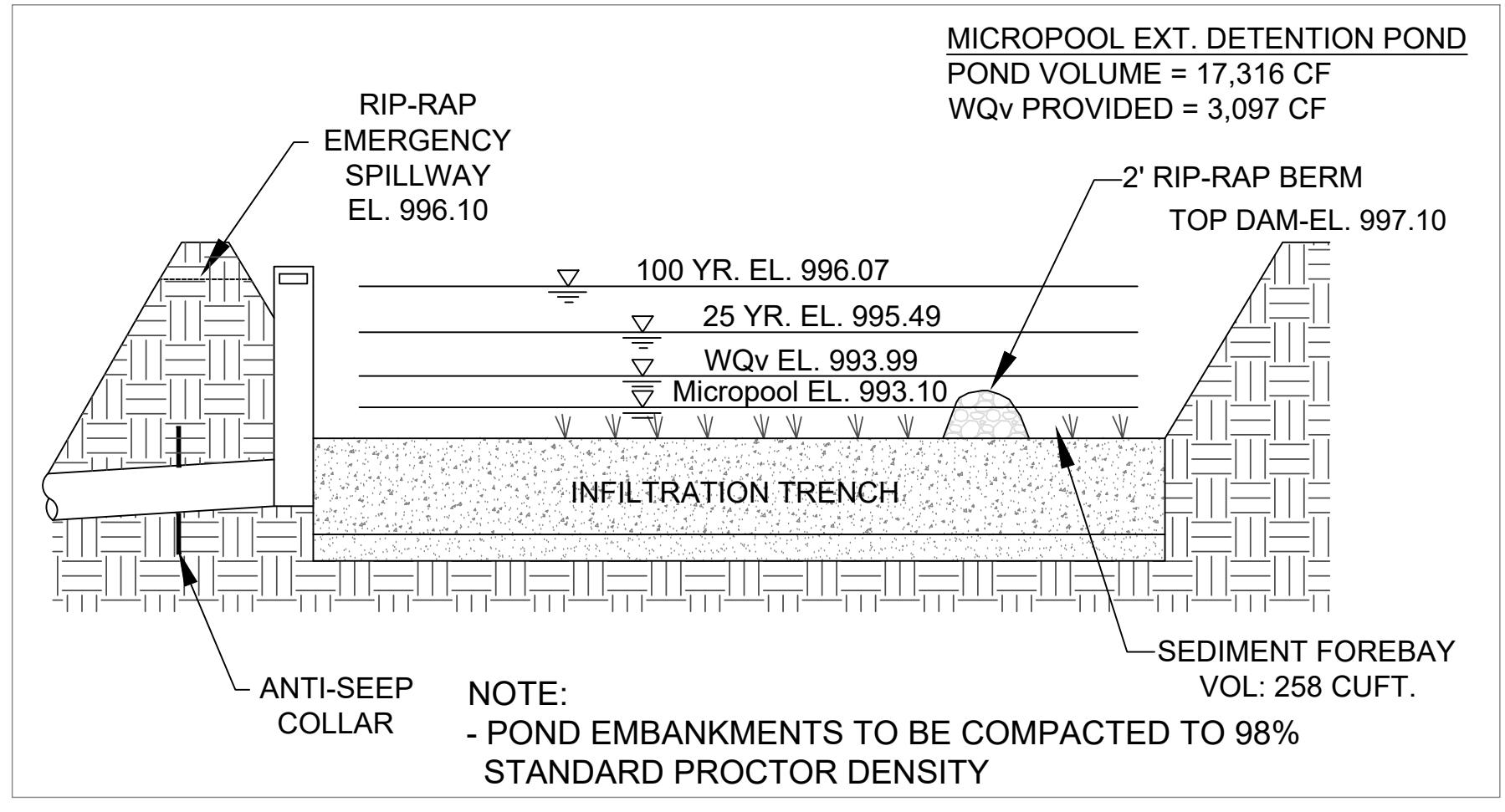
**MICROPOOL EXT. DETENTION POND PLAN**  
SCALE: 1"=10'



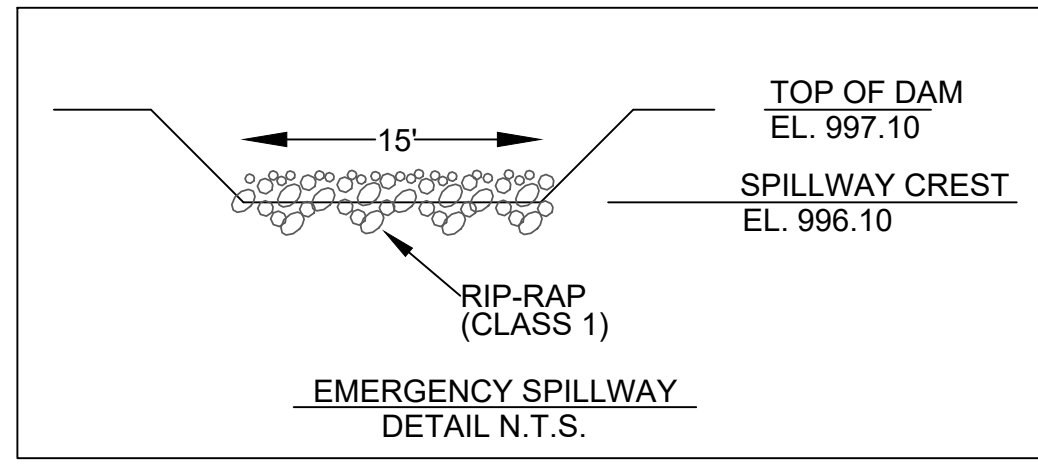
**MICROPOOL EXT. DETENTION POND OCS DETAIL N.T.S.**



**INFILTRATION TRENCH CROSS SECTION N.T.S.**



**POND SECTION**  
NO SCALE

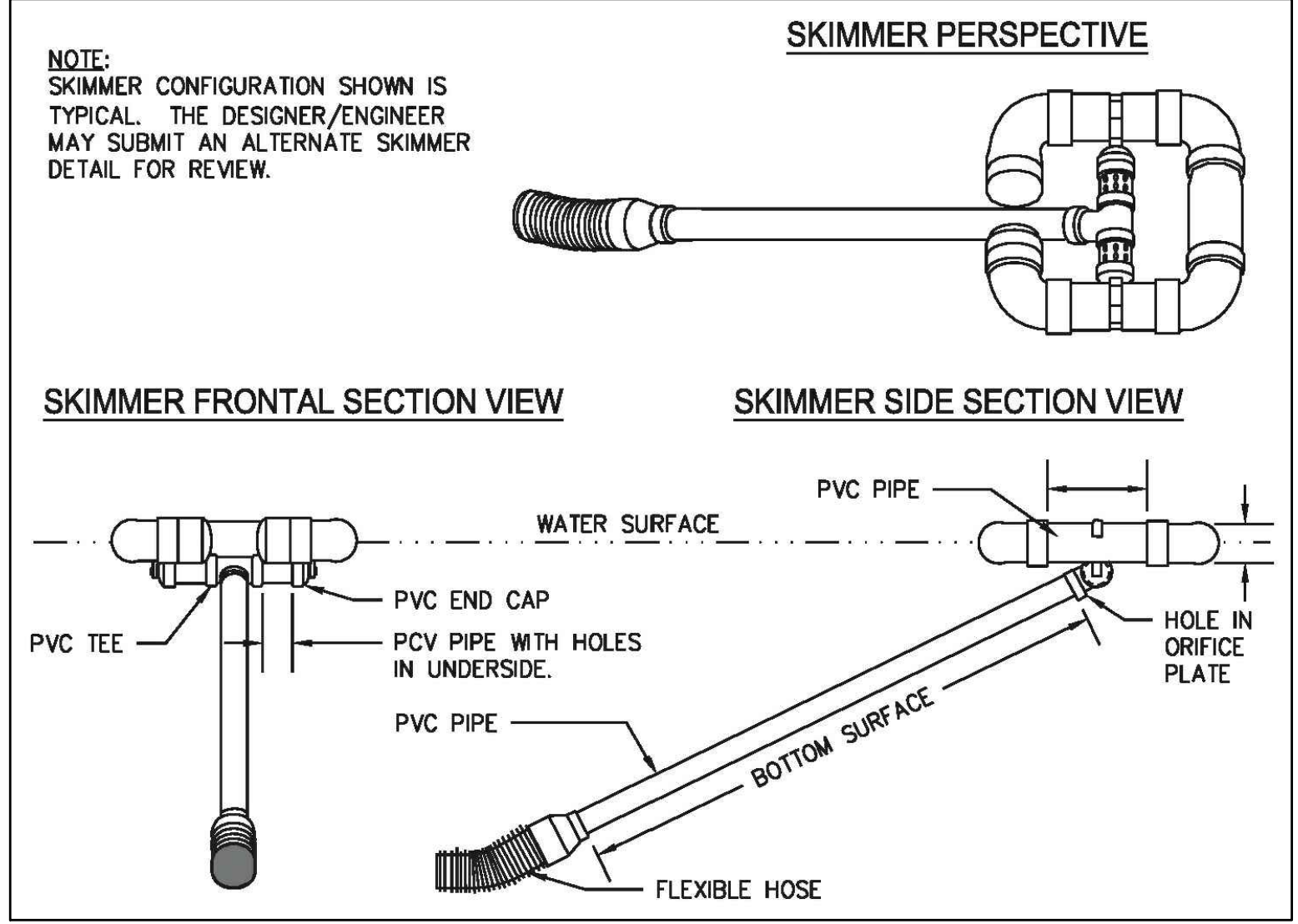


**RETENTION POND W/ SKIMMER SEDIMENT STORAGE CALCULATIONS**

TO BE SHOWN ON THE EROSION AND SEDIMENT CONTROL PLAN

Rt. Storage Calculations

1. Required stormwater storage = 320 cy (as determined by local ordinance)
2. Required sediment storage = 247 cy (134 cy/ac \* 1.84 ac disturbed area)
3. Total required storage = (1) + (2) = 567 cy
4. Available storage = 528 cy
5. Is the available storage (4) greater than the total required storage (3)?  
yes  no
6. If "no", the sediment storage capacity of the pond must be increased. Choose the method to be used:  
N/A Raise the invert of the outlet structure \_\_\_\_\_ inches  
 Undercut the pond 3 inches  
Other \_\_\_\_\_
7. Clean-out elevation = 994.22 ft (Elevation corresponding to 22 cy/ac \* 1.84 ac disturbed area)
8. Is the length-width ratio 2:1 or greater?  
 yes  no
9. If "no", the length of flow must be increased. Choose the method to be used:  
Baffles (Type of baffle: \_\_\_\_\_)  
Other \_\_\_\_\_



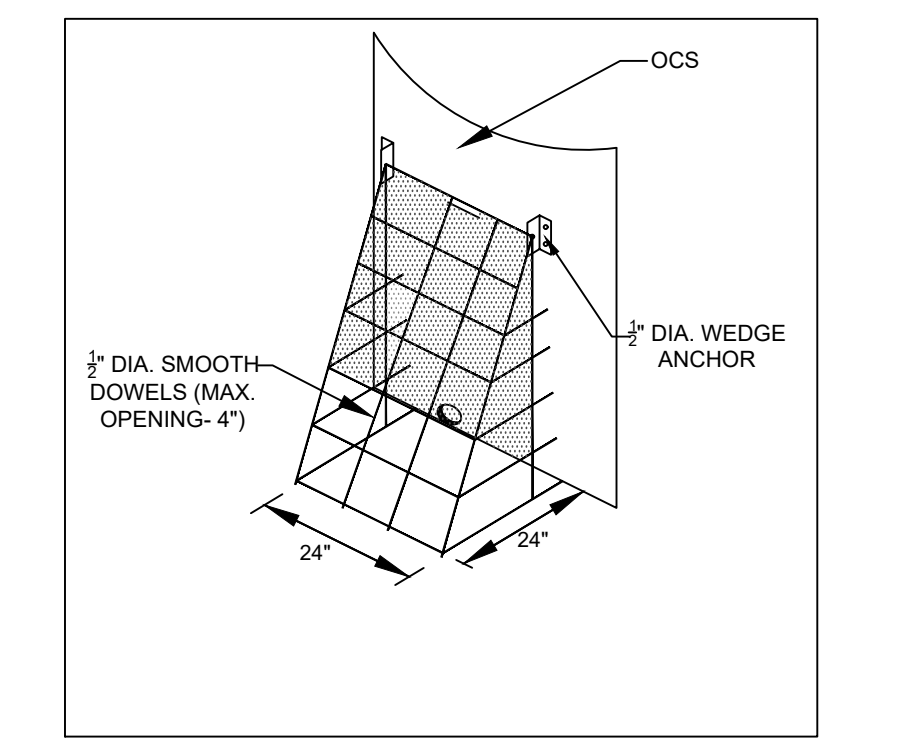
Calculate Skimmer Size		Skimmer Size	
Basin Volume in Cubic Feet	11,000 Cu.Ft	Skimmer Size	2.5 Inch
Days to Drain*	3 Days	Orifice Radius	1.0 Inch[es]
		Orifice Diameter	1.9 Inch[es]

\*In NC assume 3 days to drain

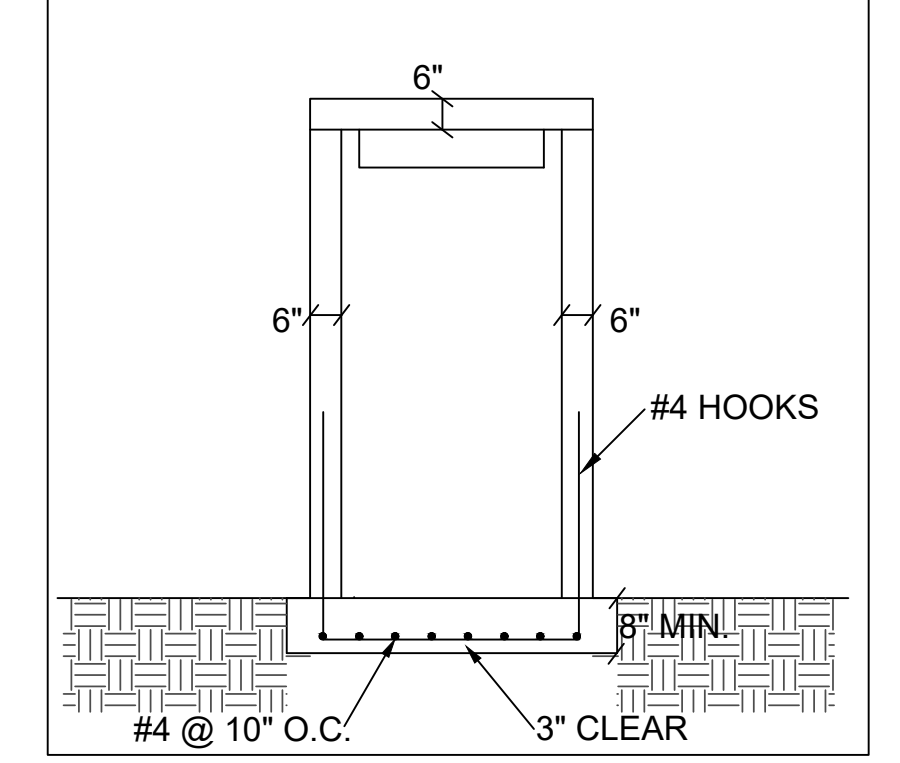
MANUFACTURER: FAIRCLOTH SKIMMERS



NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20



**PREFABRICATED TRASH RACK DETAIL (N.T.S.)**



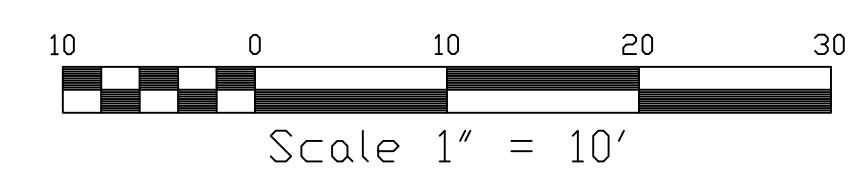
**TYPICAL OCS DETAIL (N.T.S.)**

**NOTES:**

- DURING CONSTRUCTION - LEAVE 6" ORFICE OPEN AND USE A SKIMMER DEVICE ON THE OUTLET STRUCTURE TO CONTROL SEDIMENT. AFTER THE SITE IS STABILIZED, PLUG THIS HOLE AND INSTALL 6" PVC WITH THREADED CAP AND WATER QUALITY OUTLET/hood.
- CONTRACTOR TO INSTALL A SEDIMENT CLEANOUT MARKER.
- NO VEGETATION IS ALLOWED WITHIN 15' OF THE DOWNSTREAM TOE OF EARTHEN EMBANKMENT.

Typical Maintenance Activities for Infiltration Trench	
Maintenance Activity	Schedule
<ul style="list-style-type: none"> <li>Inspect to ensure that contributing drainage area and infiltration practice are clear of sediment, trash and debris. Remove any accumulated sediment and debris.</li> <li>Ensure that the contributing drainage area is stabilized. Plant replacement vegetation as needed.</li> <li>Check observation well to ensure that infiltration practice is properly dewatering after storm events.</li> </ul>	Monthly
<ul style="list-style-type: none"> <li>Inspect pretreatment devices for sediment accumulation. Remove accumulated sediment, trash and debris.</li> <li>Inspect top layer of filter fabric and pea gravel or landscaping for sediment accumulation. Remove and replace if clogged.</li> <li>Inspect the practice for damage, paying particular attention to inlets, outlets and overflow spillways. Repair or replace any damaged components as needed.</li> <li>Inspect the practice following rainfall events (specifically large rainfall events). Check observation well to ensure that complete drawdown has occurred within 72 hours after the end of a rainfall event. Failure to drawdown within this timeframe may indicate infiltration practice failure.</li> </ul>	(Semi-annually the first year & Annually thereafter)
<ul style="list-style-type: none"> <li>Remove aggregate and install clean, washed trench aggregate</li> <li>It may be necessary to replace piping, filter fabric, etc.</li> </ul>	Upon Failure

Typical Maintenance Activities for Stormwater Ponds	
Activity	Schedule
<ul style="list-style-type: none"> <li>Clean and remove debris from inlet and outlet structures.</li> <li>Mow side slopes and pond bottom.</li> </ul>	Monthly
<ul style="list-style-type: none"> <li>Inspect for damage, paying particular attention to the control structure.</li> <li>Remove trash and debris accumulated in the inflow forebay.</li> <li>Check for signs of eutrophic conditions.</li> <li>Note signs of hydrocarbon build-up, and remove appropriately.</li> <li>Monitor for sediment accumulation in the facility and forebay.</li> <li>Examine to ensure that outlet device is free of debris and operational.</li> <li>Check all control gates, valves or other mechanical devices.</li> </ul>	Annual Inspection
<ul style="list-style-type: none"> <li>Repair undercut or eroded areas.</li> </ul>	As Needed
<ul style="list-style-type: none"> <li>Monitor sediment accumulations, and remove sediment when the pool volume has become reduced significantly, or the pond becomes eutrophic.</li> </ul>	10 to 20 years or after 25% of the permanent pool volume has been lost



WATER QUALITY POND PLAN & DETAILS  
DEKALB COUNTY  
FIRE STATION NO. 7  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

BROWN DESIGN GROUP  
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(404) 559-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN : GPH  
SCALE: 1" = 10'  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #: 280918-DEKALB FS#7

SHEET  
**C12**



NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20



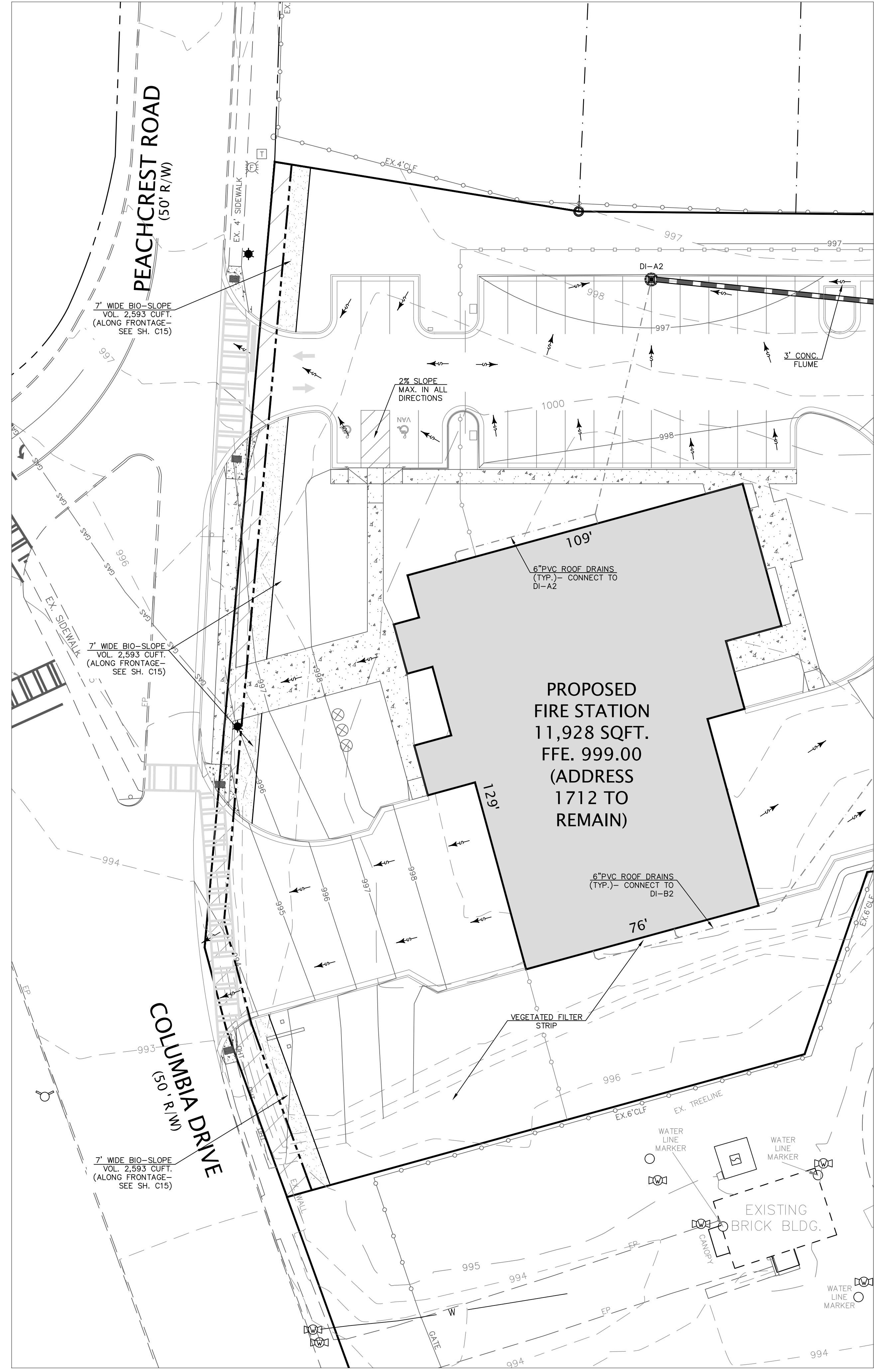
**BIOSLOPE PLAN & DETAILS**  
**DEKALB COUNTY**  
**FIRE STATION NO. 7**  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

**PLANS NOT ISSUED FOR CONSTRUCTION**

**BROWN DESIGN GROUP**  
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3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(404) 559-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN : GPH  
SCALE: 1" = 20"  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #: 280918-DEKALB FS#7

SHEET  
**C12-1**



**BIOSLOPE PLAN**  
SCALE: 1"=20'

**DEKALB County**  
404.371.2155 (e) 404.371.4556 (f) DeKalbCountyGa.gov  
Clark Harrison Building 330 W. Ponce de Leon Ave Decatur, GA 30030

DEPARTMENT OF PLANNING & SUSTAINABILITY  
Chief Executive Officer: Michael Thurmond | Director: Andrew A. Baker, AICP

**\*\*\*ENGINEER'S CERTIFICATE\*\*\***

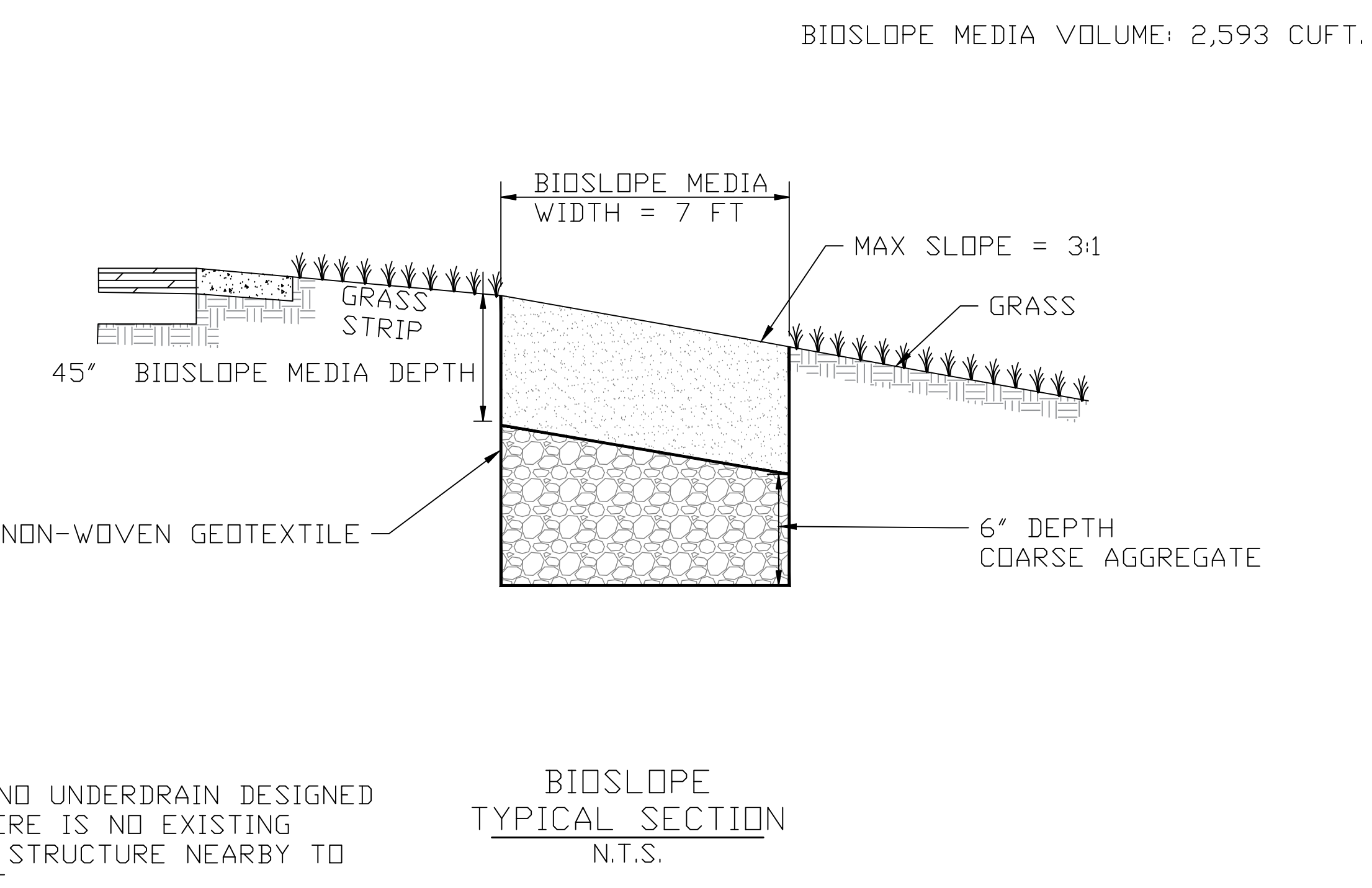
**STORM WATER RUN-OFF**

I, GEORGE P. HARPER III  
a registered professional engineer in the State of Georgia, hereby certify with my signature and seal, that the grading and drainage plans for the project known as DEKALB COUNTY FIRE STATION NO. 7  
Development/Building Permit# AP 1243479, lying in Land Lot 70  
of the 13 TH District, DeKalb County, have been reviewed under my supervision, and state that, in my opinion, the execution of said plans will comply with the DeKalb County Land Development Ordinance.

This, the 23 day of JANUARY, 2020

Signature: [Signature]  
PE 029411  
Georgia Registration No.

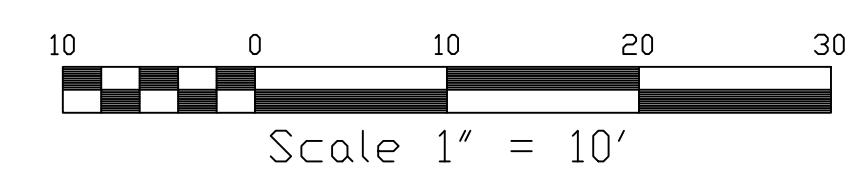
Revised 2/14/7



NOTE: NO UNDERDRAIN DESIGNED AS THERE IS NO EXISTING STORM STRUCTURE NEARBY TO OUTLET.

**LEGEND**

P.O.B.	POINT OF BEGINNING	EXISTING	EX.
P.O.R.	POINT OF REFERENCE	PROPOSED	PR.
O.T.P.	OPEN TOP PIPE	TREE PROTECTION FENCING	TPF
I.P.F.	IRON PIN FOUND	PR. FIRE HYDRANT	PR.
I.P.S.	IRON PIN SET	EX. FIRE HYDRANT	EX.
P.L.	PROPERTY LINE	EX. WATER VALVE	EX.
C.M.F.	CONCRETE MONUMENT FOUND	PR. WATER VALVE	PR.
L.L.L.	LAND LOT LINE	TOP OF WALL	T.W.
B.O.C.	BACK OF CURB	BOTTOM OF WALL	B.W.
E.O.P.	EDGE OF PAVEMENT	DRAINAGE EASEMENT	D.E.
T.W.	TOP OF WALL	DROP INLET (DI)	DI
B.W.	BOTTOM OF WALL	HEADWALL	H.W.
D.E.	DRAINAGE EASEMENT	DRAINAGE FLOW	DF
S	SANITARY SEWER MANHOLE - SA	LIGHT POLE (LP)	LP
J.B.	JUNCTION BOX (JB)	POWER POLE (PP)	PP
D.W.C.B.	DOUBLE-WING CATCHBASIN (DWCB)	EXISTING FENCE	EX.
S.W.C.B.	SINGLE-WING CATCHBASIN (SWCB)	PROPOSED FENCE	PR.
W.L.	WATER LINE	EXISTING SIGN	EX.
W.M.	WATER METER	PROPOSED SIGN	PR.
E.B.	ELECTRIC BOX	EXISTING LT-DUTY ASPHALT PAVING	EX.
F.E.S.	FLARED END SECTION	PROPOSED LT-DUTY ASPHALT PAVING	PR.
S.S.	SANITARY SEWER LINE	EXISTING HEAVY-DUTY ASPHALT PAVING	EX.
W.	WATER LINE	PROPOSED HEAVY-DUTY ASPHALT PAVING	PR.





Primary Permittee	Operator	Qualified Personnel
DEVELOPER: RODNEY REESE DEKALB COUNTY COMMUNITY DEVELOPMENT DEPARTMENT 750 COMMERCE DR. SUITE 401 DECATUR, GA 30030 PH: (404) 371-2727 E: reese@dekalbcountyga.gov	CONTRACTOR: 24 Hour Contact: RODNEY REESE PHONE: (404) 371-2727	CIVIL ENGINEER (NPDES): PARAMOUNT ENGINEERING, LLC. 11 E. BROAD ST. NEWNAN, GEORGIA 30263 (770)-473-9576

**Description of Existing Land Use:**  
**Site Purpose and Construction Activity:**  
 COMMERCIAL - FIRE STATION

**Site Description and Location:**  
 LOCATION: LANDLOT 7, 13th DISTRICT, DEKALB COUNTY, GEORGIA  
 SITE AREA: 2.21 ACRES.  
 TOTAL AREA OF DISTURBANCE: 1.84 ACRES.  
 SOIL TYPES: CUC (CECIL-URBAN LAND COMPLEX, 2 TO 10% SLOPES), UG (URBAN LAND).

**Wetlands:**  
 THERE ARE NO WETLANDS ON OR WITHIN 200' OF THE SITE.

**Receiving Waters**  
 UNNAMED TRIBUTARY TO COBBS CREEK.

**State Waters**  
 THERE ARE NO BUFFERED STATE WATERS ON OR WITHIN 200' OF THE SITE.

**Drainage Description**  
 Please refer to the grading plan, prepared by PARAMOUNT ENG. for more specific information concerning proposed drainage patterns & slopes, & stormwater discharge locations.

**Slopes After Grading**  
 Maximum Slope is 2:1

**Erosion Control Measures**  
 Structural & nonstructural controls will be used onsite to prevent erosion during construction including temporary & permanent grassing, matting & blankets, storm drain inlet & outlet protection, silt fencing, & a proposed detention pond/sediment basin.

**NTU Value**  
 An NTU value of 50 was selected from Appendix B based on the site size and the surface water drainage area.

#### 1. Site Description

The proposed site will be used for a fire station.

Approximately 1.84 acres of disturbed land will be utilized for this development. Silt fencing will be the main component of erosion control measures. However numerous structural and nonstructural controls will be implemented throughout the site. Temporary vegetation as well as permanent vegetation will be strongly utilized and are essential for the development of this complex. The proposed detention pond/sediment basin for the this development will accommodate the disturbed area sediment storage requirement as this site drains to the proposed pond.

#### 2. Controls

The following controls will be implemented at the construction site:

1. Initial perimeter controls will include silt fencing, temporary sediment basin, skimmer on OCS, & a crushed stone pad to be used at the construction exit.

2. Intermediate grading & drainage BMP's will include inlet & outlet protection, silt fencing, matting & blankets, & temporary grassing.

3. Final BMPs will include conversion of the temporary sediment basin into a permanent water quality pond, permanent grassing, & landscaping.

Stabilization measures will be initiated as soon as practical in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site that has temporarily or permanently ceased. Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover or other adverse weather conditions, stabilization measures shall be initiated as soon as practical. Where construction activity will resume on a portion of the site within 21 days from when activities ceased, (i.e., the total time period that construction activity is temporarily ceased is less than 21 days) then stabilization measures do not have to be initiated on that portion of the site by the 14th day after construction activity temporarily ceases.

Other Controls

1. Waste disposal. Solid materials, including building materials, will not be discharged to waters of the state, except as authorized by a Section 404 permit.

2. Off-site vehicle tracking of dirt, solids, and sediments and the generation of dust will be minimized or eliminated to the maximum extent practical. A construction exit consisting of a crushed stone pad to minimize off-site vehicle tracking of dirt.

3. The permittee may use any approved facility for waste disposal that he chooses.

4. Petroleum Spills and Leaks

A. Best management practices for prevention of petroleum spills:  
 All onsite vehicles will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage. Petroleum products will be stored in tightly sealed containers that are clearly labeled. Any petroleum to be stored in tanks will have be surrounded by an earthen berm as a secondary protective measure. Any Asphalt substances used onsite will be applied according to the manufacture's recommendations. Contractors and subcontractors are responsible for inspecting their equipment and providing necessary maintenance to eliminate petroleum spills.

B. Best management practices for remediation of petroleum spills:  
 Manufactures recommended methods for spill cleanup will be clearly posted and site personnel will be made aware of the procedures, the location of the information and the cleanup supplies. Materials and equipment necessary for spill cleanup will be available if needed. Equipment and materials will include but not be limited to brooms, dust pans, mops, rags, gloves, goggles, kitty litter, sand, sawdust, and plastic and metal trash containers specifically for this purpose. All spills will be cleaned up immediately after discovery. The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance. Spills of toxic or hazardous material will be reported to the appropriate State or local government agency, regardless of size. The spill prevention plan will be adjusted to include measures to prevent this type of spill from reoccurring and how to clean up the spill if there is another one. A description of the spill, what caused it, and the cleanup measures will also be included. The Operator will designate a spill prevention and cleanup coordinator. The contractor is responsible for providing and implementing a spill prevention plan.

#### 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; (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 rainfall once every 24 hours except any non-working Saturday, non-working Sunday and non-working Federal holiday until a Notice of Termination is submitted. 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 on 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): (a) 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 is received by EPD) 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 not 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 personnel making each inspection, the date(s) of each inspection, major observations relating to the implementation of the Erosion, Sedimentation and Pollution Control Plan, and actions taken in accordance with Part IV.D.4.a.(4). A copy 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 construction project that has been phased has undergone final stabilization and a Notice of Termination is submitted to EPD. Such reports shall identify any incidents of non-compliance. Where the report does not identify any incidents of non-compliance, the report shall contain a certification that the construction site is in compliance with the Erosion, Sedimentation and Pollution Control Plan and this permit. The report shall be signed in accordance with Part V.G.2. of this permit.

#### 5. Maintenance

a. Inspections of erosion control measures will be performed and corrective action taken when needed as required by the plan.  
 b. The permittee shall maintain all erosion control measures until permanent vegetation has been established.  
 c. The permittee shall clean out all sediment ponds when required by the engineer.  
 d. Accumulated silt shall be removed when the silt is two-thirds full. See sediment pond design for clean-out elevations of ponds.

#### 6. Sampling Requirements

This permit requires the monitoring of nephelometric turbidity in receiving water(s) or outfalls in accordance with this permit. This paragraph shall not apply to any land disturbance associated with the construction of single-family homes which are not part of a subdivision or planned common development unless five (5) acres or more will be disturbed. The following procedures constitute EPD's guidelines for sampling turbidity.

a. Sampling Requirements shall include the following:

(1) A USGS topographic map, a topographic map or a drawing (referred to as a topographic map) that is a scale equal to or more detailed than a 1:24000 map showing the location of the site or the stand alone construction; (a) the location of all perennial and intermittent streams and other water bodies as shown on a USGS topographic map, and all other perennial and intermittent streams and other water bodies located during mandatory field verification, into which the storm water is discharged and (b) the receiving water and/or outfall sampling locations. When the permittee has chosen to use a USGS topographic map and the receiving water(s) is not shown on the USGS topographic map, the location of the receiving water(s) must be hand-drawn on the USGS topographic map from where the storm water(s) enters the receiving water(s) to the point where the receiving water(s) combines with the first blue line stream shown on the USGS topographic map;  
 (2). A written narrative of site specific analytical methods used to collect, handle and analyze the samples including quality control/quality assurance procedures. This narrative must include precise sampling methodology for each sampling location;

(3) . When the permittee has determined that some or all outfalls will be sampled, a rationale must be included on the Plan for the NTU limit(s) selected from Appendix B. This rationale must include the size of the construction site, the calculation of the size of the surface water drainage area, and the type of receiving water(s) (i.e., trout stream or supporting warm water fisheries); and

(4). Any additional information EPD determines necessary to be part of the Plan. EPD will provide written notice to the permittee of the information necessary and the time line for submittal.

b. Sample Type. 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 (unless other test procedures have been approved); 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.

(1). Sample containers should be labeled prior to collecting the samples.  
 (2). Samples should be well mixed before transferring to a secondary container.  
 (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.  
 (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. Dilution of samples is not required. Samples may be analyzed directly with a properly calibrated turbidimeter. Samples are not required to be cooled.  
 (5). Sampling and analysis of the receiving water(s) or outfalls beyond the minimum frequency stated in this permit must be reported to EPD as specified in Part IV.E.

c. Sampling Points.

(1). For construction activities the primary permittee must sample all receiving water(s), or all outfall(s), or a combination of receiving water(s) and outfall(s). Samples taken for the purpose of compliance with this permit shall be representative of the monitored activity and representative of the water quality of the receiving water(s) and/or the storm water outfalls using the following minimum guidelines:

(a). The upstream sample for each receiving water(s) must be taken immediately upstream of the confluence of the first storm water discharge from the permitted activity (i.e., the discharge farthest upstream at the site) but downstream of any other storm water discharges not associated with the permitted activity. Where appropriate, several upstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the upstream turbidity value.  
 (b). The downstream sample for each receiving water(s) must be taken downstream of the confluence of the last storm water discharge from the permitted activity (i.e., the discharge farthest downstream at the site) but upstream of any other storm water discharge not associated with the permitted activity. Where appropriate, several downstream samples from across the receiving water(s) may need to be taken and the arithmetic average of the turbidity of these samples used for the downstream turbidity value.

(c). Ideally the samples should be taken from the horizontal and vertical center of the receiving water(s) or the storm water outfall channel(s).  
 (d). Care should be taken to avoid stirring the bottom sediments in the receiving water(s) or in the outfall storm water channel.  
 (e). The sampling container should be held so that the opening faces upstream.  
 (f). The samples should be kept free from floating debris.  
 (g). Permittee's do not have to sample sheet-flow that flows onto undisturbed natural areas or areas stabilized by the project. For purposes of this section, stabilized shall mean, for unpaved areas and areas not covered by permanent structures and areas located outside the waste disposal limits of a landfill cell that has been certified by EPO for waste disposal, 100% of the soil surface is uniformly covered in permanent vegetation with a density of 70% or greater, or landscaped according to the Plan (uniformly covered with landscaping materials in planned landscaped areas), or equivalent permanent stabilization measures as defined in the Manual (excluding a crop of annual vegetation and a seeding of target crop perennials appropriate for the region) .  
 (h). All sampling pursuant to this permit must be done in such a way (including generally accepted sampling methods, locations, timing, and frequency) as to accurately reflect whether storm water runoff from the construction site is in compliance with the standard set forth in Parts 111.D.3. or 111.D.4 . . , whichever is applicable.

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 storm water 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 possible (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 storm water 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 storm water 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 storm water 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 or 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 (b) 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.

#### 7. Non-storm water discharges

Except for flows from fire fighting activities, sources of non-storm water listed in Part 111.A.2. of this permit that are combined with storm water discharges associated with construction activity must be identified in the Plan. The Plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-storm water component(s) of the discharge.

#### E. Reporting

1. The applicable permittee's are required to submit the sampling results to the EPD at the address shown in Part II.C. 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 storm water discharge(s) or 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 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 performed;  
 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 (or similar service) to the appropriate District Office of the EPD according to the schedule in Appendix A of 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. If an electronic submittal is provided by EPD then the written correspondence may be submitted electronically; if required, a paper copy must also be submitted by return receipt certified mail or similar service.

#### Submit sampling reports for this project to:

Address: Mountain District - Atlanta Satellite  
 Georgia Environmental Protection Division  
 4244 International Parkway, Suite 114  
 Atlanta, Georgia 30354-3906  
 (404) 362-2671

#### 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 of Intent submitted to EPD;  
 b. A copy of the Erosion, 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.

#### 8. Plan Preparation and Compliance

IV.A(5) For stand alone projects that begin construction activity after the effective date of this permit, the primary permittee must retain the design professional who prepared the Erosion, Sedimentation and Pollution Control Plan, except when the primary permittee has requested in writing and EPD has agreed to an alternate design professional, to inspect the installation of the initial sediment storage requirements and perimeter control BMP's which the design professional designed within seven (7) days after installation. The design professional shall determine if these BMP's have been installed and are being maintained as designed. The design professional shall report the results of the inspection to the primary permittee within seven (7) days and the permittee must correct all deficiencies within two (2) business days of receipt of the inspection report from the design professional unless weather related site conditions are such that additional time is required.

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 DIRECT SUPERVISION."	
_____ GEORGE P. HARPER, PE.	_____ DATE

Certification	
"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 State 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."	
_____ Georgia Licensed Professional	_____ Date

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

#### Product Specific Practices

Petroleum Based Products -Containers for products such as fuels, lubricants, and tars will be inspected daily for leaks and spills. This includes onsite vehicles and machinery daily inspections and regular preventative maintenance of such equipment. Equipment maintenance areas will be located away from State Waters, natural drains, and storm water drainage inlets. In addition, temporary fueling tanks shall have a secondary containment liner to prevent/ minimize site contamination. Discharge of oils, fuels, and lubricants is prohibited. Proper disposal methods will include collection in a suitable container and disposal as required by local and State regulations.

Paints/Finishes/Solvents -All products will be stored in tightly sealed original containers when not in use. Excess product will not be discharged to the storm water collection system. Excess product, materials used with these products, and product containers will be disposed of according to manufacturer's specifications and recommendations.

Concrete Truck Washing -NO concrete trucks will be allowed to wash out or discharge surplus concrete or drum wash water onsite.

Fertilizer/Herbicides -These products will be applied at rates that do not exceed the manufacturer's specifications or above the guidelines set forth in the crop establishment or in the GSWCC Manual for Erosion and Sediment Control in Georgia. Any storage of these materials will be under roof in sealed containers.

Building Materials -No building or construction materials will be buried or disposed of onsite. All such material will be disposed of in proper waste disposal procedures.

#### Hazardous Wastes

All hazardous waste materials will be disposed of in the manner specified by local, state, and/or federal regulations and by the manufacturer of such products. The job site superintendent, who will also be responsible for seeing that these practices are followed, will instruct site personnel in these practices. Material Safety Data Sheets (MSDS's) for each substance with hazardous properties that is used on the job site will be obtained and used for the proper management of potential wastes that may result from these products. An MSDS will be posted in the immediate area where such product is stored and/or used and another copy of each MSDS will be maintained in the ESPCC file at the job site construction trailer office. Each employee who must handle a substance with hazardous properties will be instructed on the use of MSDS sheets and the specific information in the applicable MSDS for the product he/she is using, particularly regarding spill control techniques.

The contractor will implement the Spill Prevention Control and Countermeasures (SPCC) Plan found within this ESPCC and will train all personnel in the proper cleanup and handling of spilled materials. No spilled hazardous materials or hazardous wastes will be allowed to come in contact with stormwater discharges. If such contact occurs, the stormwater discharge will be contained on site until appropriate measures in compliance with state and federal regulations are taken to dispose of such contaminated stormwater. It shall be the responsibility of the job site superintendent to properly train all personnel in the use of the SPCC plan.

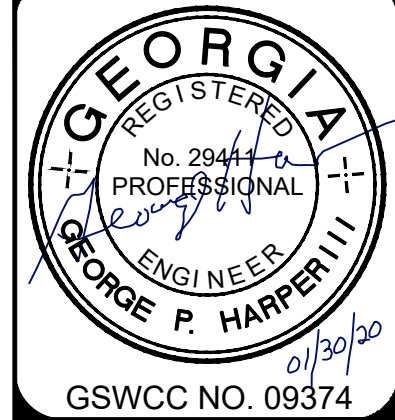
#### Sanitary Wastes

A minimum of one portable sanitary unit will be provided for every ten (10) workers on the site. All sanitary waste will be collected from the portable units a minimum of one time per week by a licensed portable facility provider in complete compliance with local and state regulations.

All sanitary waste units will be located in one area where the likelihood of the unit contributing to storm water discharge is negligible. Additional containment BMP's must be implemented, such as gravel bags or specially designed plastic skid containers around the base to prevent wastes from contributing to storm water discharges. The location of sanitary waste units must be identified on the ES&PC Plan by the contractor once the locations have been determined.

Sanitary Sewer will be provided by Municipal Authority at the completion of this Project.

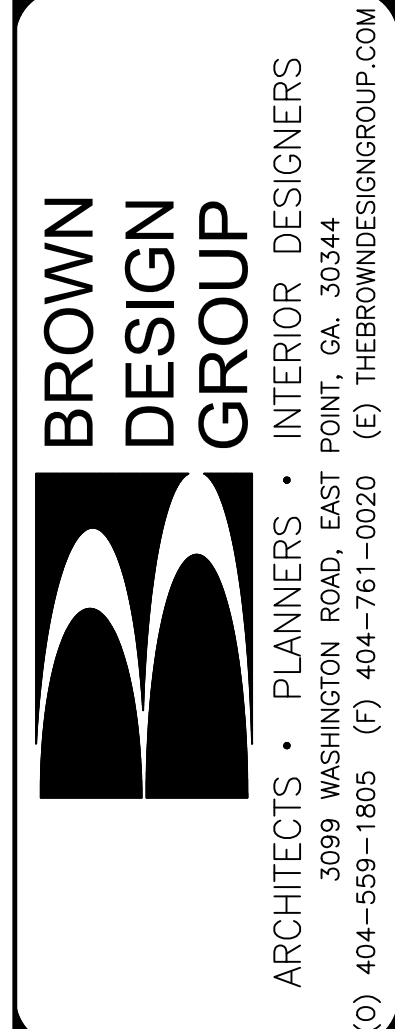
NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20



GSWCC NO. 09374

NPDES NOTES  
 DEKALB COUNTY  
 FIRE STATION NO.7  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION



DRAWN :	GPH
SCALE:	NTS
DWG. DATE:	06-05-19
LAND LOT:	70
DISTRICT:	13TH
JOB #:	#280918-DEKALB FSR#7
SHEET	

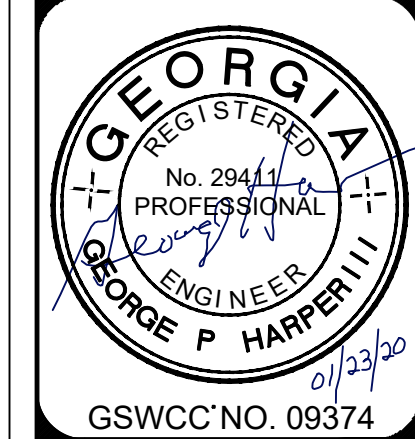
**C13**







NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/23/20

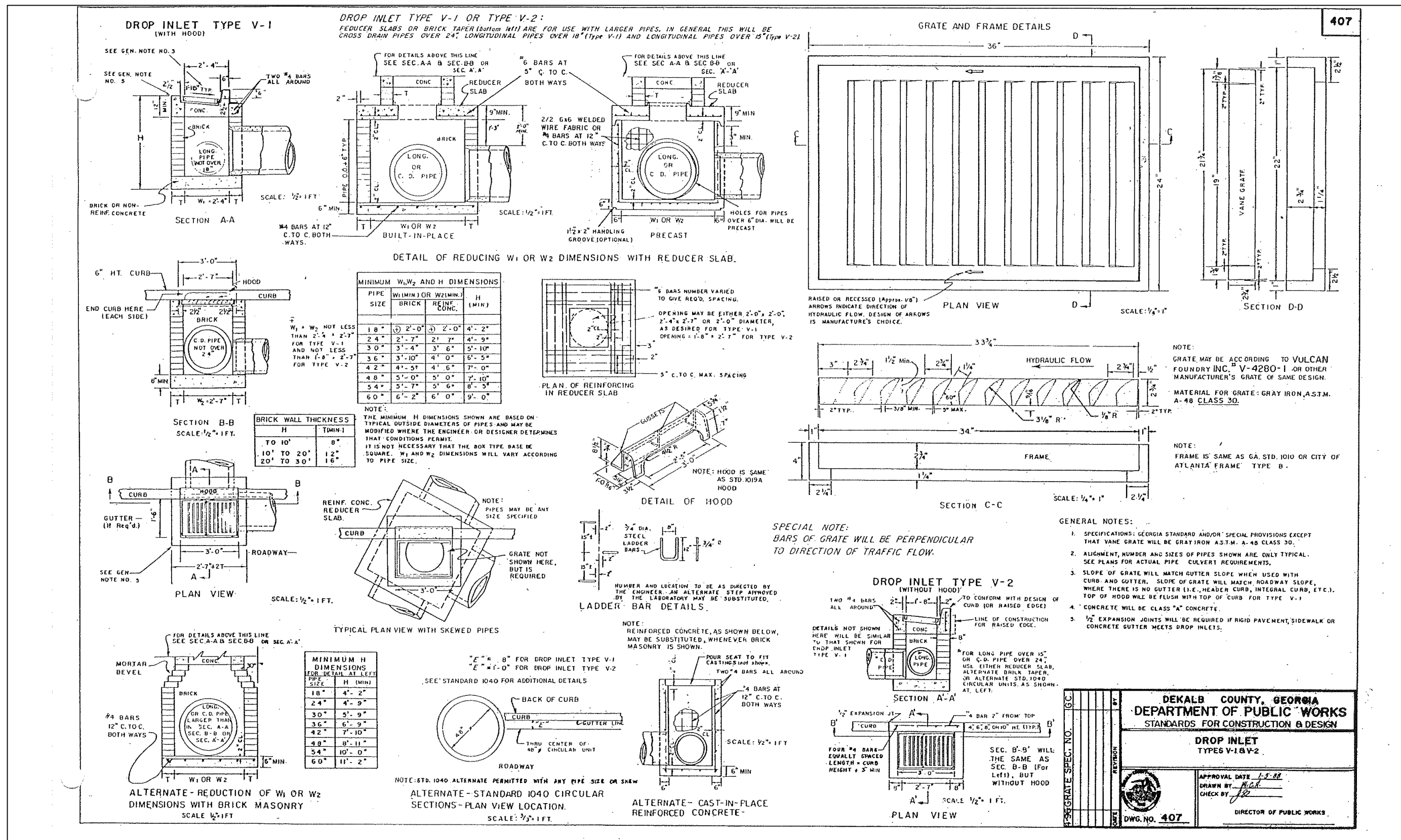
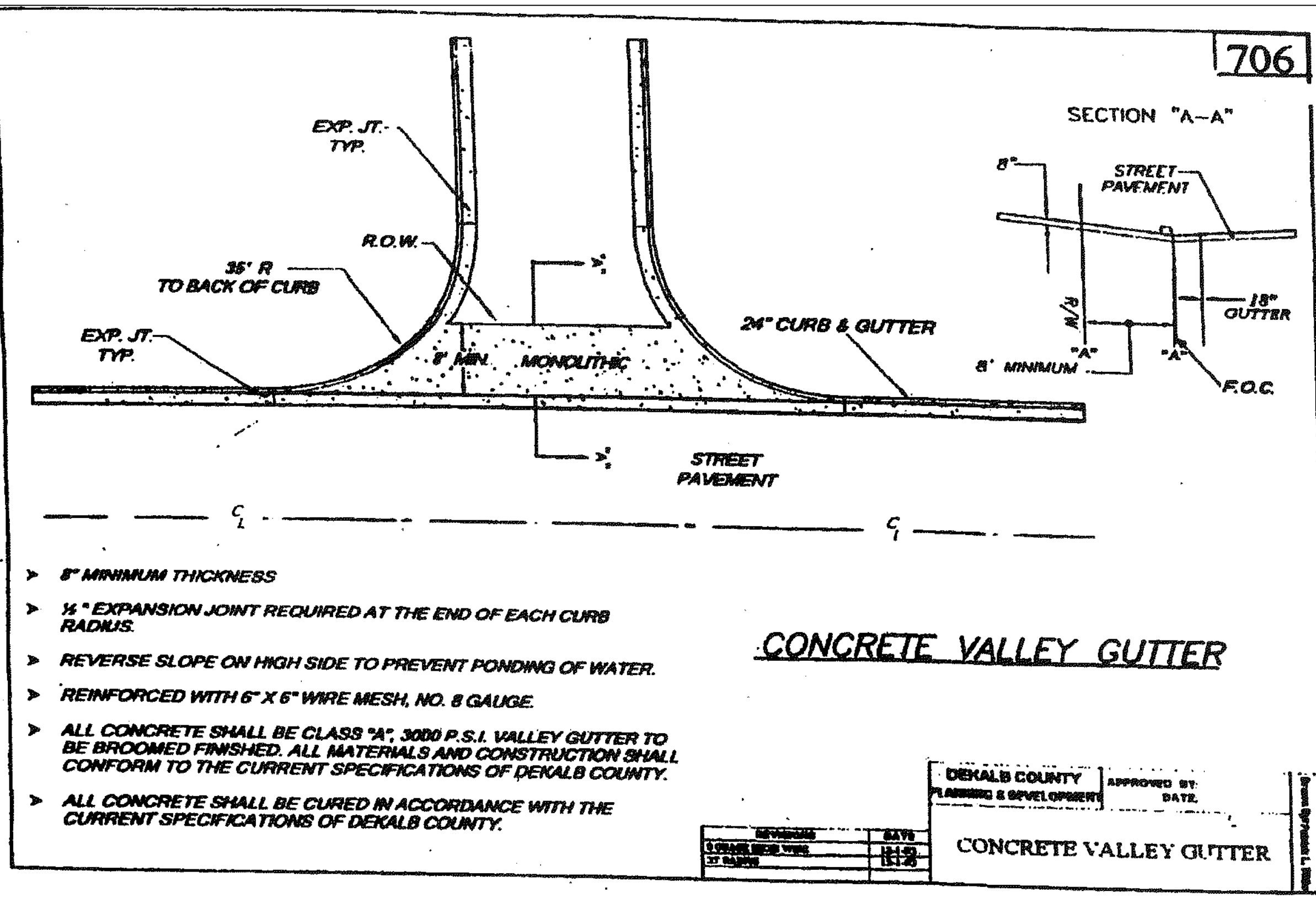
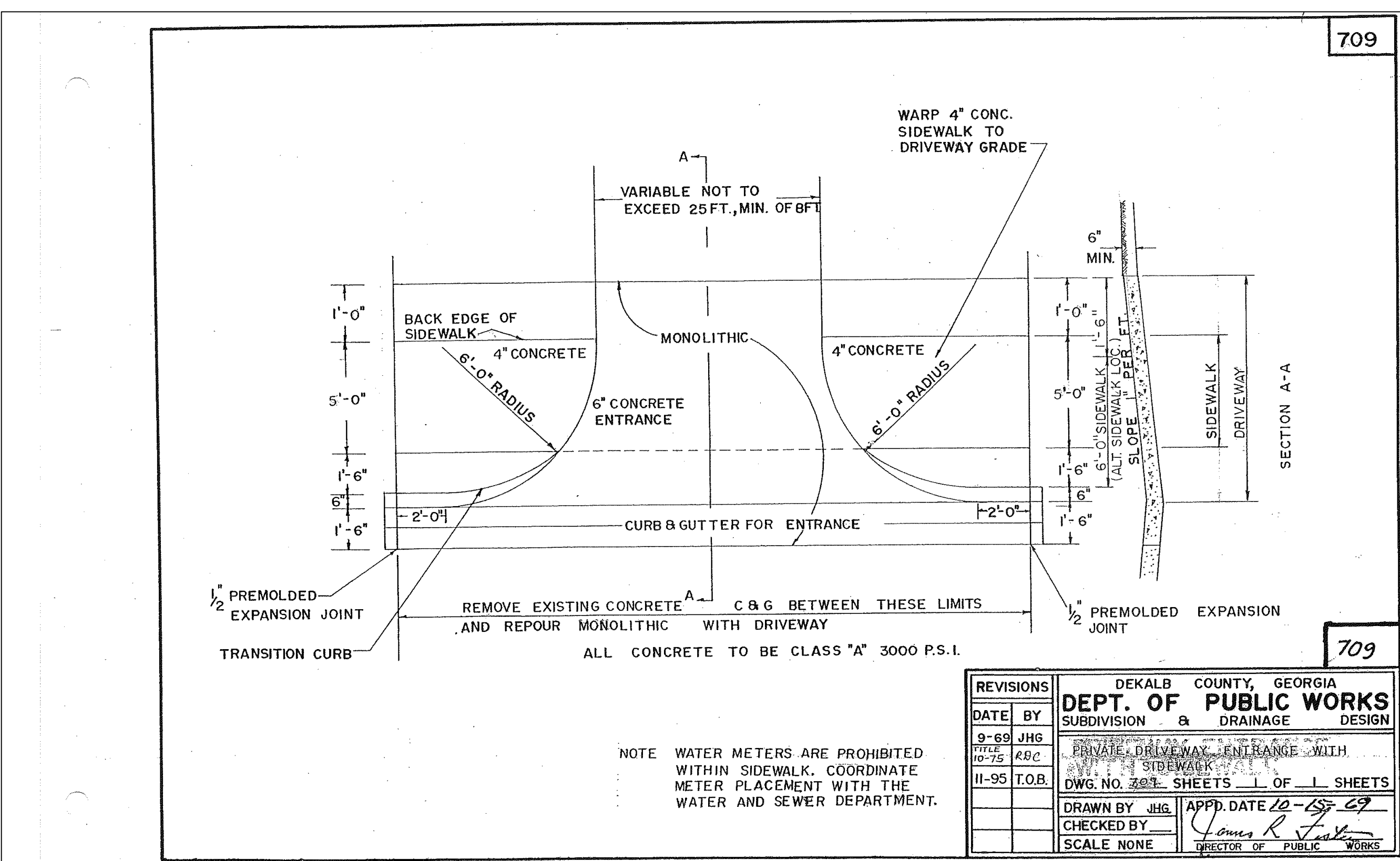
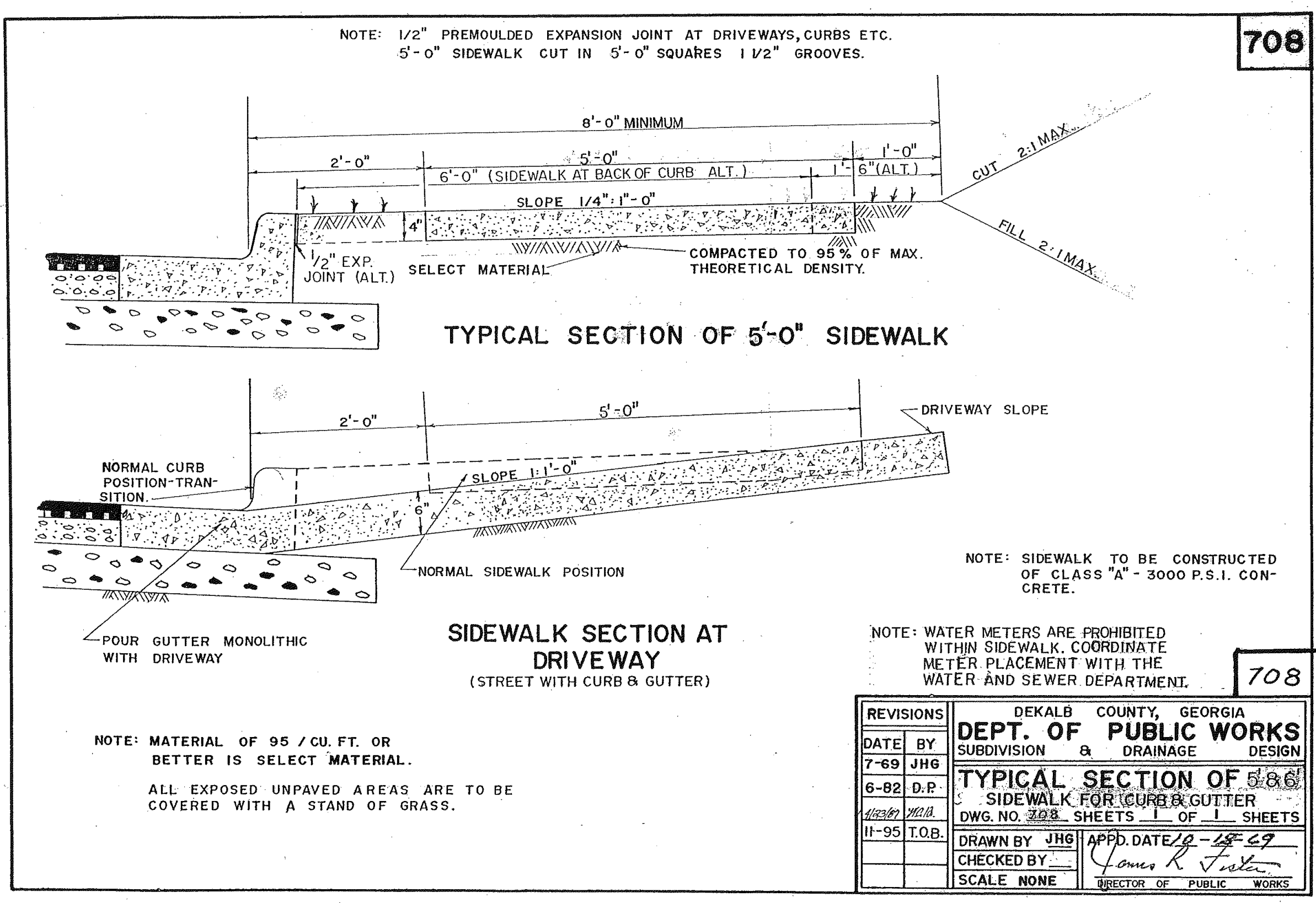


CONSTRUCTION DETAILS  
**DEKALB COUNTY**  
**FIRE STATION NO. 7**  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED  
 FOR  
 CONSTRUCTION

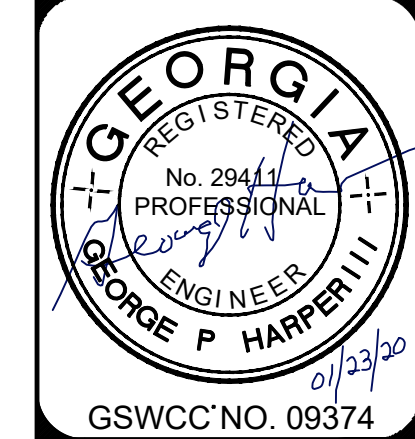
**BROWN DESIGN GROUP**  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA. 30344  
 (C) 404-558-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

DRAWN: GPH  
 SCALE: NTS  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280918-DEKALB FS#7  
 SHEET  
**C15**





NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/23/20



GSWCC: NO. 09374

CONSTRUCTION DETAILS  
**DEKALB COUNTY**  
**FIRE STATION NO. 7**  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED  
 FOR  
 CONSTRUCTION



DRAWN : GPH  
 SCALE: NTS  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280918-DEKALB FS#7

**C15-1**

**NORMAL BACKFILL**

BACKFILL AS SHOWN BY THE BROKEN LINE SECTION SHALL CONSIST OF PLACEMENT COMPACTABLE FILL IN 12" LAYERS AND COMPACTING EACH LAYER ACCORDING TO GEORGIA STANDARD SPECIFICATION WITH SIZE OF PIPE FOR ITS FULL LENGTH. MEASUREMENT AND PAYMENT WILL BE MADE ONCE ROADWAY EXCAVATION ITEMS FOR FORMATION OF EMBANKMENTS.

NORMAL EMBANKMENT SHALL BE PLACED A MINIMUM OF 12" MIN. ON EACH SIDE OF THE PIPE AND AT LEAST THE MIN. COVER OVER THE PIPE AND COMPACTED TO THE REQUIRED DENSITY BEFORE EQUIPMENT IS ALLOWED TO CROSS.

AFTER BACKFILL HAS BEEN COMPACTED, THE BALANCE OF THE FILL UP TO GRADE LINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH EMBANKMENT SPECIFICATION.

**MULTIPLE PIPE CULVERT SPACING**

SEE DETAIL FOR TRENCH CONSTRUCTION.

SHOW INSIDE DIAMETER OF PIPE OR 3 FEET, WHICHEVER IS SMALLER.

FOR PIPE PIPE CULVERTS, SUBSTITUTE SPAN FOR INSIDE DIAMETER.

NOTE:  
 FOR MULTIPLE LINES OF CULVERT WITH METAL FLARED END SECTIONS, A MIN. OF 12" SHOULD BE MAINTAINED BETWEEN END SECTIONS. THE LOCATION OF METAL END SECTIONS SHOULD BE DETERMINED BEFORE PLACEMENT OF PIPE.

**TRENCH CONSTRUCTION FOR SIDE DRAIN**

FLAT BOTTOM PIPE

NOTE: THE PIPE SHALL BE BEHIND THE SIDE DRAIN AS A FIRM FOUNDATION SHAPED TO FIT THE LOWER PART OF THE PIPE. EXTERIOR WEDGE ROCK DRILLS, EXCAVATE AND BACKFILL WITH COMPRESSIBLE MATERIAL UNLESS SPECIFIED OTHERWISE.

**TRENCH CONSTRUCTION FOR STORM DRAIN**

SYMMETRICAL ABOUT CL

BACKFILL TO BE MECHANICALLY COMPACTED TO THE TOP OF THE COVER ABOVE AND TOP OF THE PIPE, WHICHEVER IS GREATER. FOR CONSTRUCTION DETAILS SEE NOTE FOR NORMAL BACKFILL.

NOTE: TRENCH CONSTRUCTION IS REQUIRED FOR BOTH NORMAL OR IMPERFECT BACKFILL ALL PIPES WITH BALL & SPIKE JOINTS SHALL HAVE BALL HOLES IN BEDDING.

FOUNDATION BACKFILL MATERIAL TYPE I WHEN REQUIRED SHALL BE CLASS 1 OR CLASS APPROVED PIPE USED BY THE ENGINEER. THE MATERIAL TO BE USED WILL BE OBTAINED AS UNCLASSIFIED EXCAVATION OR SHOWN FROM LOCATIONS APPROVED BY THE ENGINEER.

FOR EXCAVATION FOR PIPE-INSIDE AND SOOT FOR SUBSTITUTE SPAN AND SOOT FOR SUBSTITUTE SPAN OF PIPE IN HORIZONTAL AND VERTICAL DIMENSIONS SEE DETAIL.

NOTE: PIPE SHALL BE BEHIND AS A FOUNDATION SHAPED TO FIT THE LOWER PART OF PIPE. SEE DETAIL.

NOTE: WHERE AN INCOMPRESSIBLE FOUNDATION EXISTS, PLACE AN IMPERFECT FOUNDATION MATERIAL, AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.

**LONGITUDINAL SECTION OF IMPERFECT TRENCH BACKFILL AND BACKFILL METHODS**

GRADE LINE OR TOP OF EMBANKMENT

EMBRANKMENT TO BE PLACED TO THE GRADE LINE WITH TRENCH FOR IMPERFECT BACKFILL IS EXCAVATED.

**IMPERFECT BACKFILL**

IMPERFECT BACKFILL WILL BE USED WITH CONCRETE PIPE IF FULL HEIGHT AND PIPE DIAMETER IS TAKEN INTO ACCOUNT ON THE HIGH SIDE OF THE TRENCH. THE HIGH SIDE SHALL BE THE HIGH SIDE OF THE TRENCH. EXCAVATION AND IMPERFECT BACKFILL MATERIAL TYPE II SHALL BE USED FOR ALL OTHER SITUATIONS. IMPERFECT TRENCH BACKFILL FOR LIMITS OF IMPERFECT BACKFILL AS MEASURED OVER THE PIPE LENGTHWISE, MEASUREMENT AND PAYMENT WILL BE COMPIED TO THESE LIMITS.

SEE DETAIL FOR TRENCH CONSTRUCTION.

**CROSS SECTIONS OF IMPERFECT TRENCH BACKFILL**

CROSS HATCHED AREAS SHOW LIMITS OF CONSTRUCTION & MEASUREMENT FOR STRUCTURE EXCAVATION & IMPERFECT TRENCH BACKFILL MATERIAL TYPE II

**DETAIL "A"**  
 FOR CONCRETE PIPE DIAMETERS OF 8" & 12" WITH FULL HEIGHTS OVER 10 FT.

**DETAIL "B"**  
 FOR CONCRETE PIPE DIAMETERS 12" AND LESS WITH FULL HEIGHTS OVER 10 FT.

**DETAIL SHOWING MINIMUM COVER FOR PIPE CULVERTS**

PAVING OR BASE

PROTECT GRADE

PLANE OF S.E.

MIN. COVER - SEE TABLE 1

SLOPE OF CULVERT VARIABLE

NOTE:  
 1. FOR FILL HEIGHT TABLES SEE SHEET 2 OF 3 AND SHEET 3 OF 3.  
 2. ONLY ONE CLASS OR THICKNESS OF PIPE WILL BE SPECIFIED FOR EACH INDIVIDUAL LOCATION. THE CLASS OR THICKNESS WILL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL.

DEPARTMENT OF TRANSPORTATION  
 STATE OF GEORGIA

**STANDARD**  
**CONCRETE & METAL PIPE CULVERTS**  
 SHEET 1 OF 3  
 (TRENCH CONSTRUCTION, BEDDING, BACKFILLING)

NO SCALE REV. 8 REPR. SEPT. 2009 NUMBER  
 DESIGNED BY: [Signature] SUBMITTED BY: [Signature] STATE DESIGN POLICY NUMBER  
 DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature] DATE: 1030D

**CONCRETE TO THERMOPLASTIC SIDE DRAIN OR CROSS DRAIN CONNECTION ALTERNATES**

COMPLETE CORRUGATIONS

TRIMMED CORRUGATIONS

WHERE O.D. OF T.P. PIPE IS LESS THAN CONC. (T.P.), INSERT WITHOUT TRIMMING CORRUGATIONS.

WHERE O.D. OF T.P. PIPE IS TOO LARGE FOR INSERT SHOWN IN FIG. CORRUGATIONS MAY BE TRIMMED DOWN FOR THE PORTION OF 12" PIPE TO BE INSERTED.

**METAL TO THERMOPLASTIC SIDE DRAIN CONNECTION ALTERNATES (SEE GENERAL NOTE NO. 5)**

PAY LENGTH FOR SIDE DRAIN PIPE

TRIMMING DOWN OF PLASTIC CORRUGATIONS TO PROVIDE BEST FIT MAY BE NECESSARY.

NOTE: FOR PLASTIC SIDE DRAIN CONNECTIONS TO SAFETY END SECTIONS, SEE THE SMOOTH TAPERED SLEEVE CONNECTOR DETAILS (SEE GA STANDARD 102Z FOR SAFETY SLOPE END SECTIONS FOR SIDE DRAIN PIPES).

**CROSS DRAIN TO THERMOPLASTIC SLOPE DRAIN CONNECTION**

6" MIN. ABOVE HEIGHT OF PIPE

4" x 4" BARS EQUAL SPA. 2" x 4" BARS AROUND 2" FILL

NOTE: PAYMENT FOR LN. FT. OF PIPE SHALL INCLUDE THE CONCRETE COLLAR, CONCRETE COLLARS ARE ALSO PERMITTED FOR SIDE DRAIN CONNECTIONS. CONNECTIONS SHOWN ABOVE FOR SIDE DRAIN ARE NOT PERMITTED FOR SLOPE DRAIN CONNECTIONS.

**THERMOPLASTIC PIPE TRENCH INSTALLATIONS**

0.5 x 0.5 x 12" EXCAVATED TRENCH WITH MIN. 12"

2" MINIMUM HOPE

25 MAX. PP & PVC

SEE BACKFILL REQUIREMENT TABLES

FOUNDATION BACKFILL MATERIAL TO BE USED SHALL BE ON HAND AS UNCLASSIFIED EXCAVATION OR SHOWN FROM LOCATIONS APPROVED BY THE ENGINEER.

NOTE: WHERE AN INCOMPRESSIBLE FOUNDATION EXISTS, EXCAVATE AN ADDITIONAL 12" MIN. IN ANY TRENCH FOUNDATION MATERIAL IS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.

MULTIPLE PIPE SPACING: A CLEAR SPACE EQUAL TO TWO TIMES THE INSIDE DIAMETER OR 8 FT. WHICHEVER IS LESSER SHALL BE REQUIRED BETWEEN MULTIPLE LINES OF THERMOPLASTIC PIPE.

**ALLOWABLE PIPE SIZES**

HIGH DENSITY POLYETHYLENE (HDPE)		POLYPROPYLENE (PP)		PROFILE WALL POLYVINYL CHLORIDE (PVC)		CORRUGATED SMOOTH INTERIOR POLYVINYL CHLORIDE (PVC)	
ASHSTD. M 294	ASHSTD. M 330	ASHSTD. M 304	ASHSTD. M 304	ASHSTD. M 304	ASTM F 899	ASHSTD. M 304	ASTM F 899
NOMINAL SIZE (IN.)	NOMINAL SIZE (IN.)	NOMINAL SIZE (IN.)	NOMINAL SIZE (IN.)	NOMINAL SIZE (IN.)	NOMINAL SIZE (IN.)	NOMINAL SIZE (IN.)	NOMINAL SIZE (IN.)
2	2	2	2	2	2	2	2
4	4	4	4	4	4	4	4
6	6	6	6	6	6	6	6
8	8	8	8	8	8	8	8
12	12	12	12	12	12	12	12
18	18	18	18	18	18	18	18
24	24	24	24	24	24	24	24
30	30	30	30	30	30	30	30
36	36	36	36	36	36	36	36
42	42	42	42	42	42	42	42
48	48	48	48	48	48	48	48

**BACKFILL REQUIREMENT TABLES**

**STORM DRAIN INSTALLATIONS**

PIPE TYPE	FILL HEIGHT (FT.)	BACKFILL TYPE	FOUNDATION BACKFILL TYPE
HOPE	20	STRUCTURAL	CLASS 1B2 OR BETTER
PVC	25	STRUCTURAL	CLASS 1B3 OR BETTER
PP	25	STRUCTURAL	CLASS 1B3 OR BETTER

**SIDE DRAIN (DRIVEWAY) INSTALLATIONS (FILL HEIGHTS UP TO 10 FT.)**

PIPE TYPE	FILL HEIGHT (FT.)	BACKFILL TYPE	FOUNDATION BACKFILL TYPE
HOPE	10	CLASS 1B2	CLASS 1B2 OR BETTER
PVC	10	CLASS 1B3	CLASS 1B3 OR BETTER
PP	10	CLASS 1B3	CLASS 1B3 OR BETTER

**SIDE DRAIN (DRIVEWAY) INSTALLATIONS (FILL HEIGHTS ABOVE 10 FT.)**

PIPE TYPE	FILL HEIGHT (FT.)	BACKFILL TYPE	FOUNDATION BACKFILL TYPE
HOPE	20	STRUCTURAL	CLASS 1B2 OR BETTER
PVC	25	STRUCTURAL	CLASS 1B3 OR BETTER
PP	25	STRUCTURAL	CLASS 1B3 OR BETTER

**INITIAL BACKFILL & BEDDING QUANTITIES**

NOMINAL SIZE (IN.)	INITIAL BACKFILL (CY)	BEDDING (CY)
2	4.22	0.83
4	5.24	0.36
6	6.36	1.08
8	8.46	1.53
12	11.72	2.38
18	16.94	2.75
24	18.51	3.13
30	22.44	3.50

NOTE: BACKFILL AND BEDDING QUANTITIES ARE BASED ON TYPICAL I.D. OF PIPES.

**GENERAL NOTES:**

- SPECIFICATIONS GEORGIA STANDARD, CURRENT EDITION & SUPPLEMENTS THERETO.
- THE MINIMUM COVER SHALL BE 24" FOR STORM AND SIDE DRAINS AND 2" FOR SLOPE DRAIN PIPE.
- THE MAXIMUM HEIGHT OF FILL SHALL BE:
  - 20" FOR HIGH DENSITY POLYETHYLENE (HDPE)
  - 25" FOR POLYVINYL CHLORIDE (PVC)
  - 25" FOR POLYPROPYLENE (PP)
- MINIMUM PIPE STRENGTH SHALL BE IN ACCORDANCE WITH ASHSTD M 294, TYPE "D" FOR HOPE PIPE, ASHSTD M 304 FOR CORRUGATED SMOOTH INTERIOR PVC PIPE, AND ASTM F 899 FOR CORRUGATED SMOOTH INTERIOR PVC PIPE.
- METAL FLARED END SECTIONS FOR STD. 400 ARE PERMITTED ONLY WHERE THE PLANS LIST PLAIN CORRUGATED STEEL PIPE AS AN ALLOWABLE ALTERNATE FOR THE CULVERT.
- GRADED AGGREGATE MEETING SUBSECTION B5.2.0 SHALL BE USED FOR STRUCTURAL BACKFILL IN ACCORDANCE WITH BACKFILL REQUIREMENT TABLES AND WILL NOT BE PAID FOR SEPARATELY. PAYMENT WILL BE INCLUDED IN THE OVERALL PRICE BID FOR PIPE.
- NORMAL BACKFILL MATERIAL MEETING SUBSECTION B0.2.0 MAY BE USED FOR SIDE DRAIN APPLICATIONS FOR FILL HEIGHTS UP TO 10 FT. IN ACCORDANCE WITH TYPE AND CLASS LISTED IN THE BACKFILL REQUIREMENT TABLES. IF THE REQUIRED SOL CLASS IS NOT AVAILABLE USE GRADED AGGREGATE MATERIAL MEETING SUBSECTION B5.2.0.

DEPARTMENT OF TRANSPORTATION  
 STATE OF GEORGIA

**STANDARD**  
**THERMOPLASTIC PIPE**

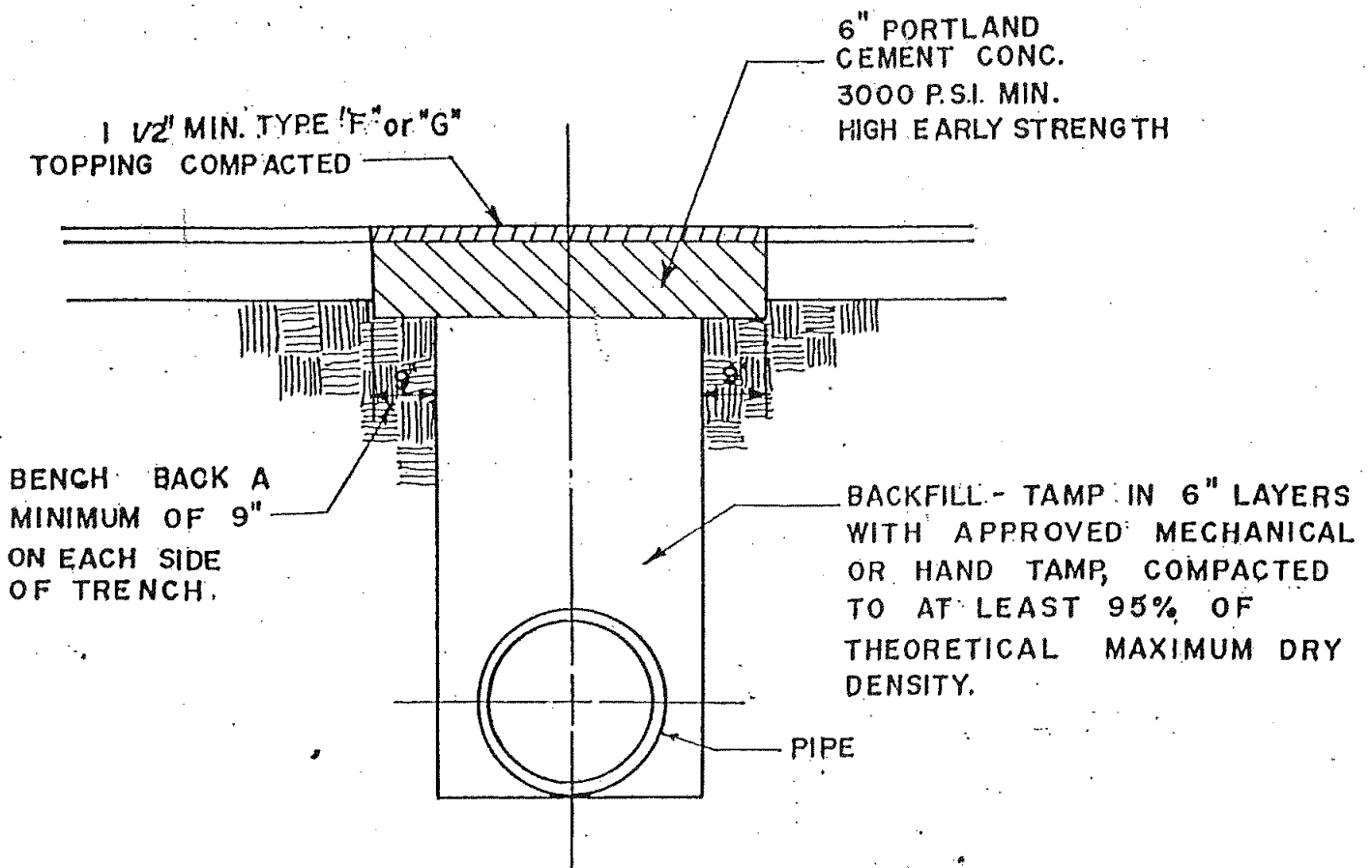
NO SCALE REVISED SEPTEMBER, 2016 NUMBER  
 DESIGNED BY: [Signature] SUBMITTED BY: [Signature] STATE DESIGN POLICY NUMBER  
 DRAWN BY: [Signature] CHECKED BY: [Signature] APPROVED BY: [Signature] DATE: 1030P



ON LONGITUDINAL CUTS EXCEEDING 150 FT. IN LENGTH, THE CONCRETE IN THE TRENCH WILL BE BROUGHT FLUSH WITH THE EXISTING PAVEMENT AND THE ENTIRE WIDTH OF ROADWAY RESURFACED WITH A MINIMUM OF 1" OF TYPE "F" ASPHALT TOPPING OR SURFACE COURSE.

NOTE: ALL LATERAL STREET CUTS MUST BE COVERED WITH STEEL PLATES OF SUFFICIENT THICKNESS TO SPAN THE CUT WITHOUT NOTICEABLE DEFLECTION. PLATES TO REMAIN IN PLACE UNTIL THE CONCRETE BASE HAS GAINED SUFFICIENT STRENGTH TO WITHSTAND TRAFFIC LOADS (24 HOUR MINIMUM). WITHIN NOT LONGER THAN SEVEN CALENDAR DAYS OF BEGINNING OF CONCRETE POUR, THE AREA WILL BE TOPPED OUT.

804

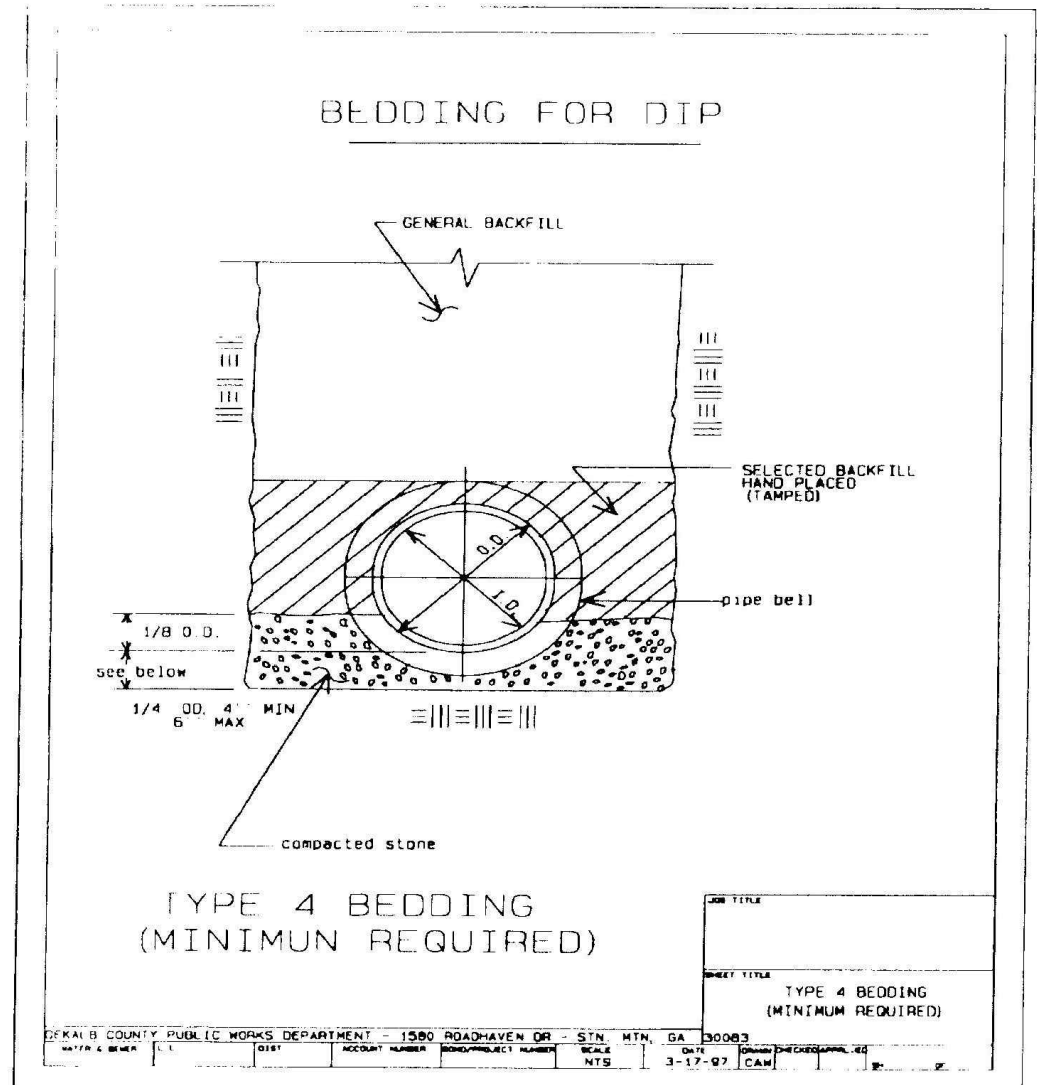


WORK TO BE INSPECTED DURING CONSTRUCTION BY DEKALB COUNTY ENGINEERS. NOTIFY UTILITIES COORDINATOR IN THE ROADS AND DRAINAGE DEPARTMENT, BEFORE BACK-FILLING ANY WORK.

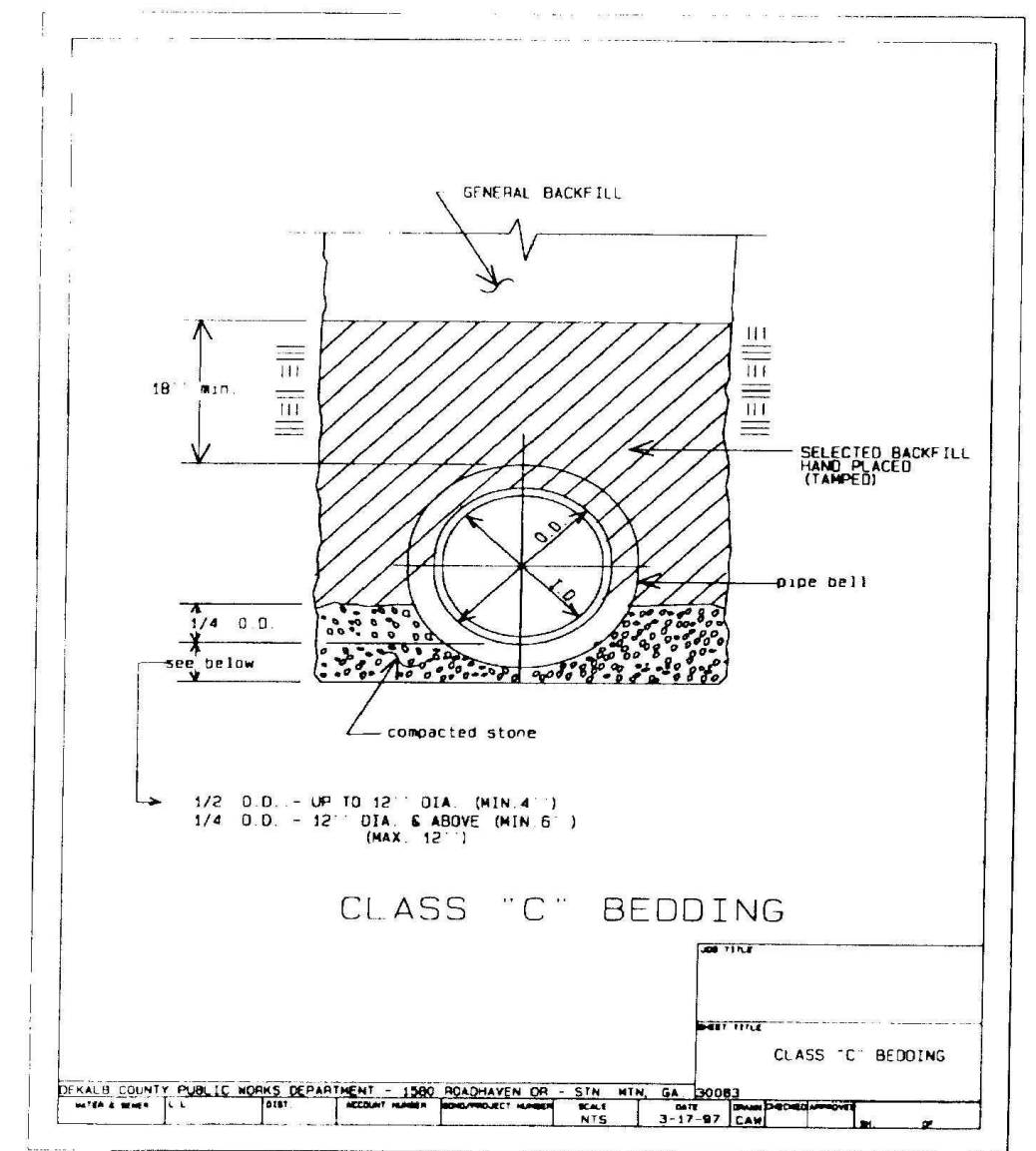
804

REVISIONS		DEKALB COUNTY, GEORGIA	
DATE	BY	DEPT. OF PUBLIC WORKS	
6-65	RLC	STANDARD FOR CONSTRUCTION & DESIGN	
6-71	JEB	STANDARD FOR BACKFILLING	
6-71	WDP	UTILITY CUTS & REPLACING PAVEMENT	
12-71	RGB	DWG NO. 804 SHEET 1 OF 1 SHEETS	
6-82	DP	DRAWN BY WDP APPD. DATE 6/27/82	
		CHECKED BY FES	
		SCALE - NONE DIRECTOR OF PUBLIC WORKS	

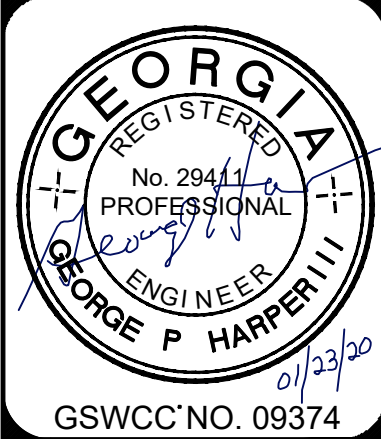
DESIGN STANDARD DRAWINGS  
TYPE 4 BEDDING "MINIMUM REQUIRED"



CLASS "C" BEDDING



NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/23/20



WATER & SEWER DETAILS  
DEKALB COUNTY  
FIRE STATION NO. 7  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

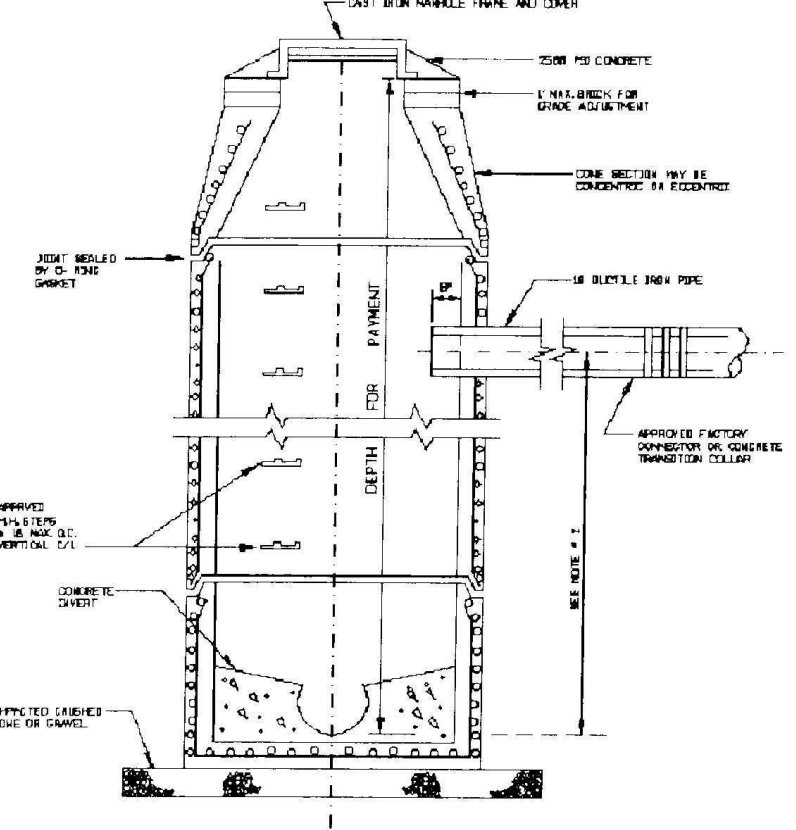
BROWN DESIGN GROUP  
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA. 30344  
(C) 404-558-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN: GPH  
SCALE: NTS  
DWG. DATE: 06-05-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #: 280918-DEKALB FS#7

SHEET

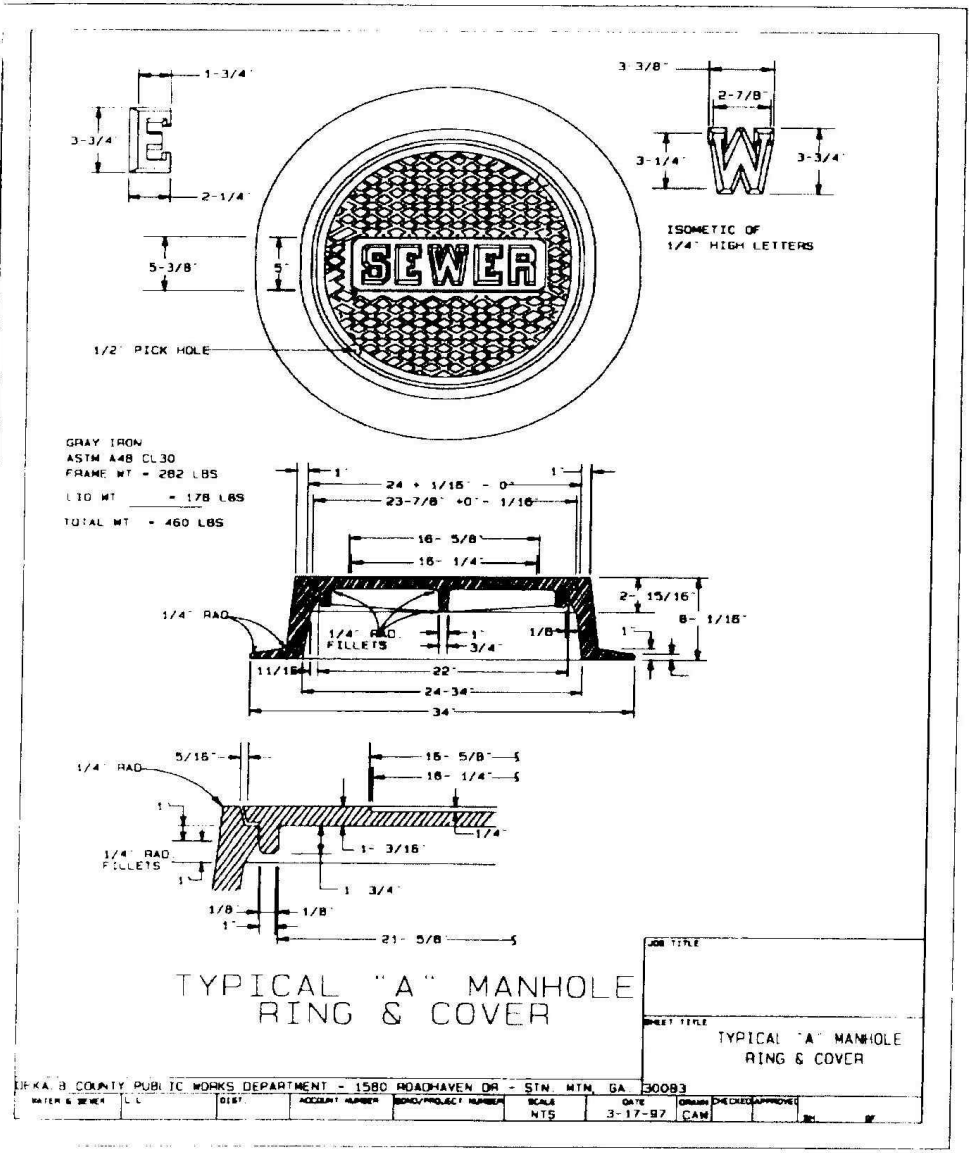
C16

STANDARD PRECAST MANHOLE

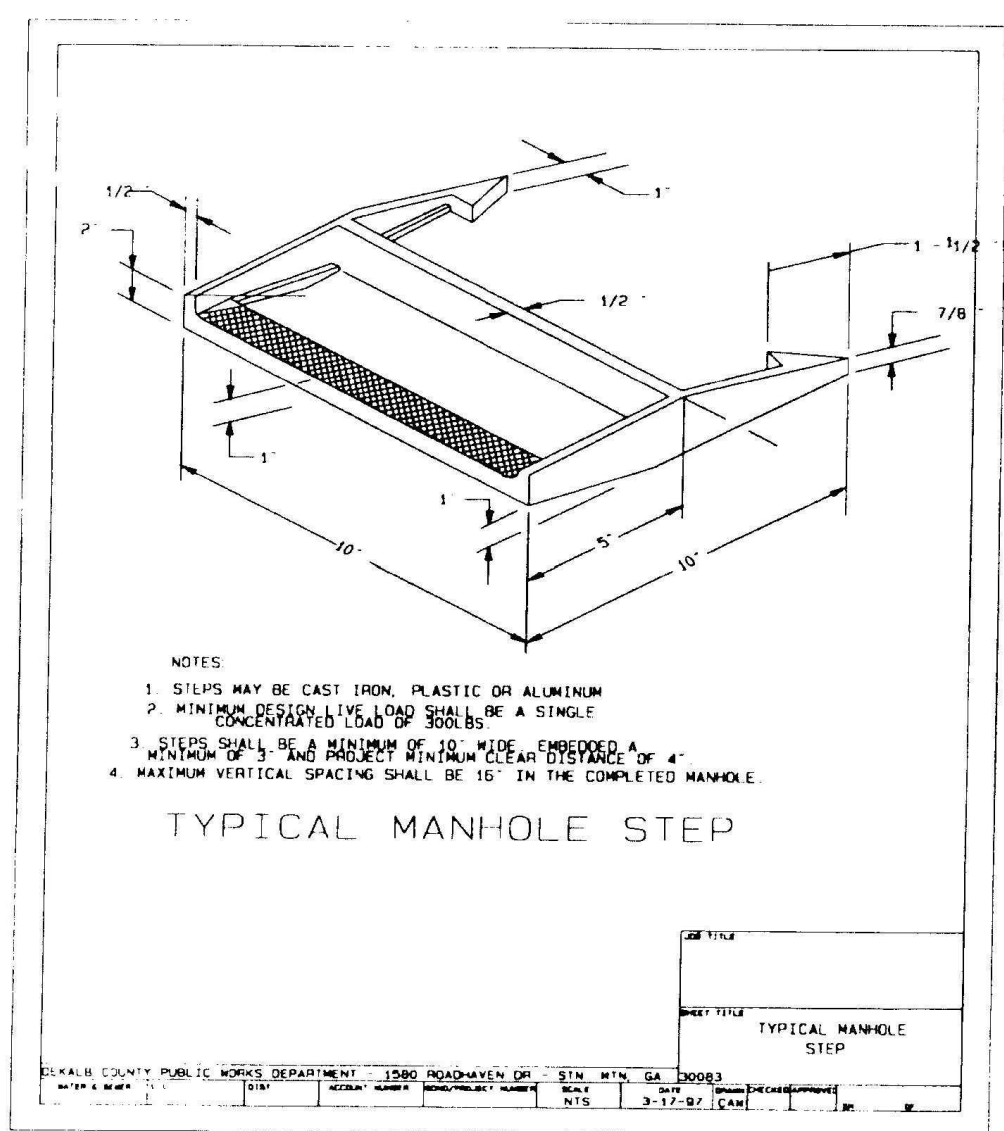


NOTES: 1. THIS IS SUBJECT TO CONTRACT MANHOLE OVER DESIGN. 2. ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SPECIFIED. 3. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED. 4. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE SPECIFIED.

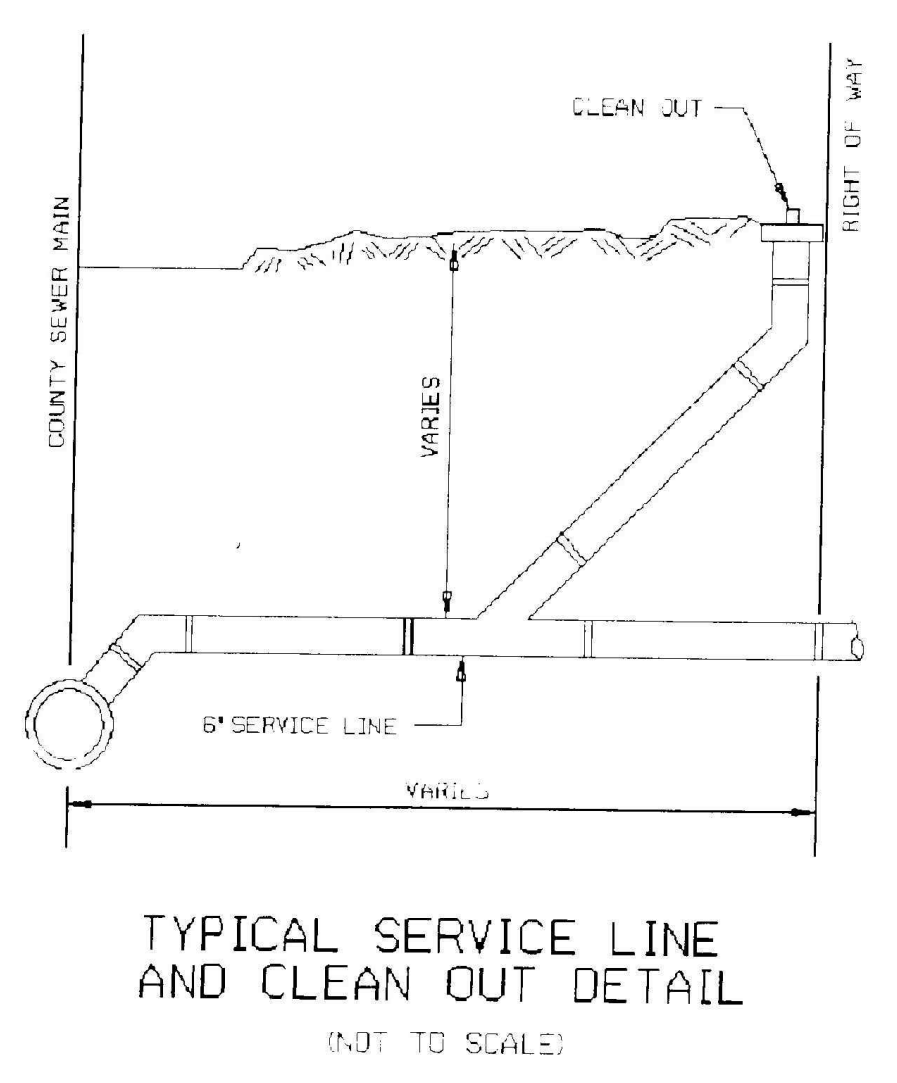
TYPICAL "A" MANHOLE RING & COVER



TYPICAL MANHOLE STEP



TYPICAL SERVICE LINE









NO.	REVISIONS:	DATE:

**TREE DENSITY CALCULATIONS:**

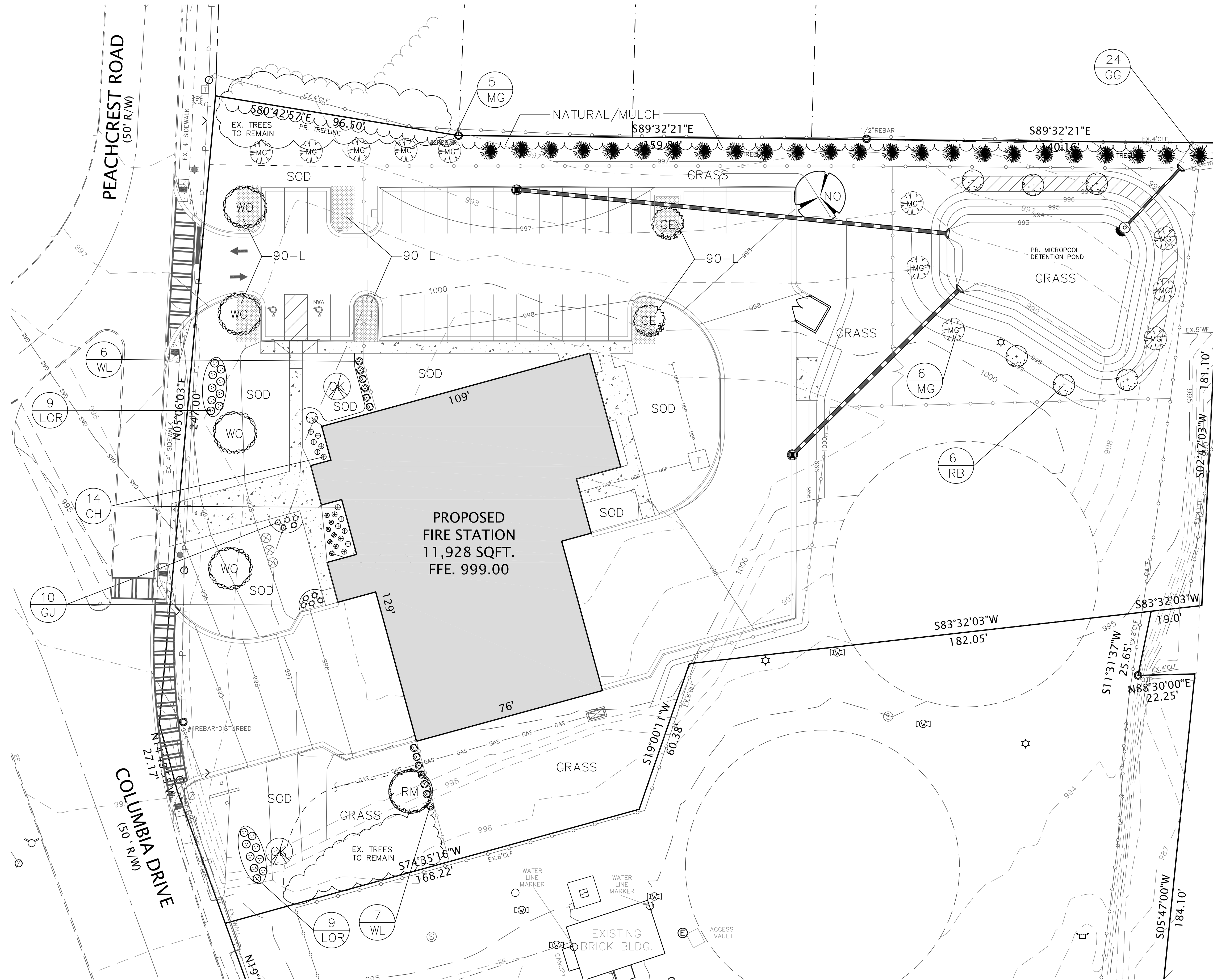
REQUIRED SITE DENSITY FACTOR (SDF)  
TOTAL SITE AREA = 2.21 AC.  
REQUIRED SITE DENSITY FACTOR = 15 UNITS PER ACRE  
SDF = 2.21 X 15 = 33.15 UNITS

**LANDSCAPE NOTES:**

- ALL LANDSCAPED AREAS ARE TO BE IRRIGATED. IRRIGATION PLAN BY CONTRACTOR.
- TREES SHALL BE WARRANTED FOR A PERIOD OF TWO(2) YEARS FROM TIME OF INSTALLATION.
- NO SUBSTITUTIONS OR DELETIONS ARE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM DEKALB COUNTY ARBORIST.
- ALL TREES SHALL BE EQUIVALENT TO FLORIDA #1 GRADE OR BETTER.
- TREE SHALL BE PLANTED AT OR 2" ABOVE GRADE.
- NO TREE GUYS ON TREES LESS THAN 2" CALIPER OR LESS THAN 6' TALL.
- TREES 3" CALIPER AND LARGER SHALL HAVE FABRIC TIES USED. SAME SHALL BE REMOVED WITHIN 8 MONTHS OF PLANTING.
- PLANTING HOLE SHALL BE 2 TIMES (2X) THE DIAMETER OF THE PLANT BALL/CONTAINER.
- IF ANY TREE DIES WITHIN WARRANTY PERIOD, OWNER SHALL REPLACE SAME, OR BE IN VIOLATION OF ORDINANCE.

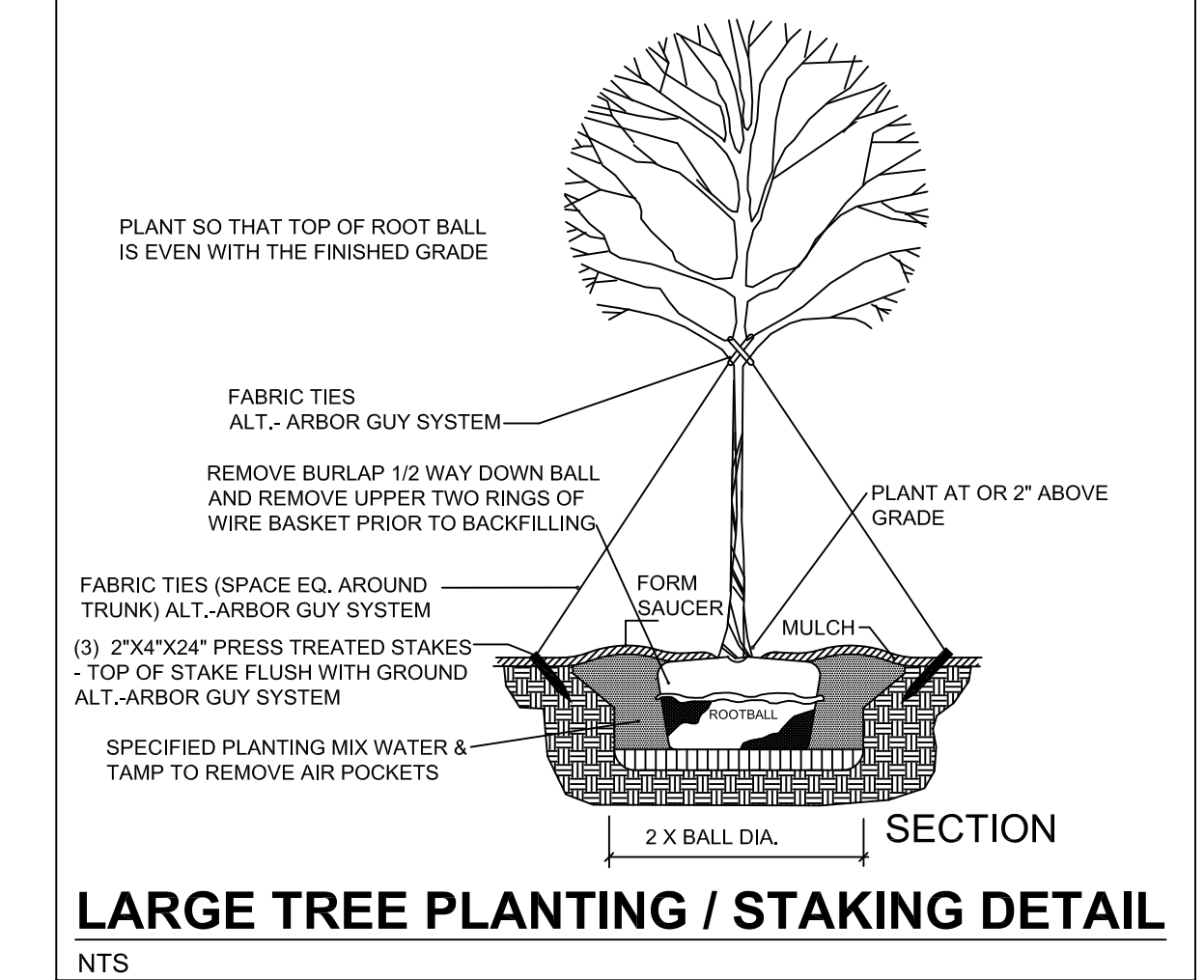
**CAUTION**

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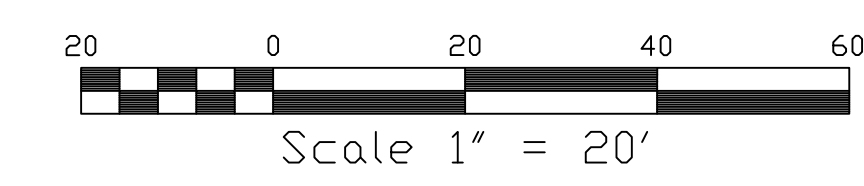
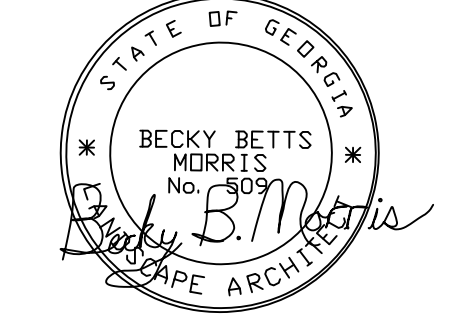
SYM.	PLANT NAME	PLANT LIST	#	CALIPER	SPACING	UNITS
<b>TREES</b>						
<b>LARGE TREES</b>						
CE	LACEBARK ELM/ULMUS PARVIFOLIA		2	3" CAL./12' High	AS SH.	1.0
NO	NUTTALL OAK/QUERCUS NUTTALLI		1	3" CAL./12' High	AS SH.	0.5
RM	OCT. GLORY RED MAPLE/ACER RUBRUM		1	3" CAL./12' High	AS SH.	0.5
WO	WILLOW OAK/QUERCUS PHELLOS		4	3" CAL./12' High	40 FT.	2.0
<b>MEDIUM TREES</b>						
MG	D D BLANCHARD MAGNOLIA/MAGNOLIA GRANDIFLORA		11	2.5" CAL./10' High	20 FT.	4.4
RB	RIVER BIRCH/ BETULA NIGRA		6	2.5" CAL./10' High	20 FT.	2.4
<b>SMALL TREES</b>						
OK	'OKAME' CHERRY/PRUNUS X INCAM		2	2" CAL./8' High	AS SH.	0.8
GG	GREEN GIANT ARBORVITAE/THUJA STANDISH X PPLICATA		24	7 GAL./4' HIGH	12 FT.	1.2
			SITE DENSITY TREES = 12.8			
<b>SHRUBS/EVERGREEN GROUNDCOVERS</b>						
<b>LARGE SHRUBS</b>						
NRS	NELLIE R. STEVENS HOLLY/ILEX CORNUTA 'NRS'		1	7 gal./4' HIGH	5'	
WL	WAVEY LEAF LIGUSTRUM/L. JAP. RECURVIFOLIUM		13	7 gal./4' HIGH	4.5'	
<b>MEDIUM/SMALL SHRUBS</b>						
CH	CARISSA HOLLY/ILEX CORNUTA 'CARISSA'		14	3 gal./18" HIGH	4'	
LOR	DARUMA LORPATALUM /L. CHINENSE VAR. RUBRUM		18	3 gal./2' HIGH	5'	
N	SIENNA SUNRISE NANDINA/NANDINA DOMESTICA MONFAR		7	3 gal./1' HIGH	3'	
<b>GROUNDCOVERS</b>						
	CREeping LIRIOPE/LIRIOPE SPICATA		270	4" Pots/4" HIGH	18"	
GJ	GOLD LACED JUNIPER/JUN. CHINENSES X PFITZER 'GL'		10	3 gal./1' HIGH	5'	

MISC. - SOD TO BE TIFTWAY BEREMUDA OR EQUAL, MULCH TO BE PINESTRAW OR BARK TO 3" DEPTH  
CONVERSION INCHES TO UNITS: 7 GAL. CONIFER = 0.05 UNITS, 2" CAL. = 0.4 UNITS, 3" CAL. = 0.5 UNITS



**LARGE TREE PLANTING / STAKING DETAIL**  
NTS

BECKY B. MORRIS, LA  
140 FAUNA MEADOWS DR.  
NEWNAN, GA. 30263  
678-416-5444  
beckymor@gmail.com



LANDSCAPE PLAN  
DEKALB COUNTY  
FIRE STATION NO.7  
1712 COLUMBIA DRIVE  
DECATUR, GA 30032

PLANS NOT ISSUED  
FOR  
CONSTRUCTION

**BROWN DESIGN GROUP**  
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA. 30344  
(O) 404-559-1805 (F) 404-761-0020 (E) THEBROWNSGROUP.COM

DRAWN : GPH  
SCALE: 1" = 20'  
DWG. DATE: 04-22-19  
LAND LOT: 70  
DISTRICT: 13TH  
JOB #: 280918-DEKALB FS#7

SHEET  
**LS1**



BASED ON THE INFORMATION SHOWN ON THE FLOOD HAZARD BOUNDARY MAPS FURNISHED BY THE DEPT. OF HUD THROUGH THE FEMA IT IS MY OPINION THAT THE PROPERTY SHOWN HEREON IS OUTSIDE OF ANY FLOOD HAZARD AREA.

COMMUNITY PANEL #13089C 0132J DATED: MAY 16, 2013

**TREE DENSITY CALCULATIONS:**

REQUIRED SITE DENSITY FACTOR (SDF)

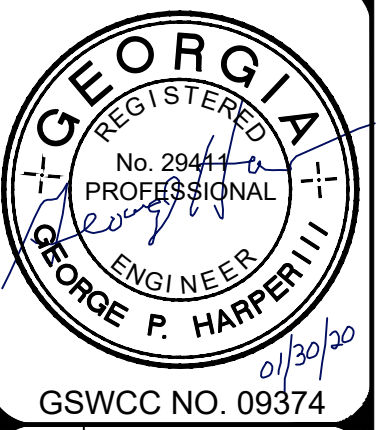
TOTAL SITE AREA = 2.21 AC.  
 REQUIRED SITE DENSITY FACTOR = 15 UNITS PER ACRE  
 SDF = 2.21 X 15 = 33.15 UNITS



**CAUTION**

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NO.	REVISIONS:	DATE:
1	ADD. CD. COMMENTS	10/29/19
2	ADD. CD. COMMENTS	01/30/20

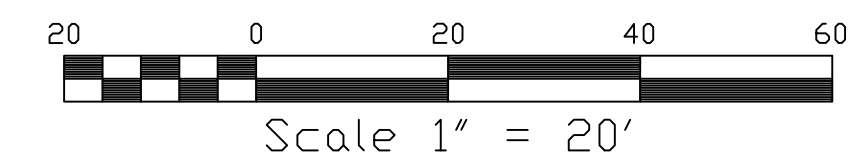


**SAMPLE AREA TREE SAVE**

TYPE	DBH	NO.	UNITS	TOTAL DFU	TOTAL INCHES
Hardwood	6"	3	1.6	4.8	18
Hardwood	8"	4	2.4	9.6	32
Hardwood	10"	3	3.2	9.6	30
Evergreen	12"	1	3.1	3.1	12
Evergreen	15"	1	3.9	3.9	15
Evergreen	18"	2	4.8	9.6	36
Evergreen	20"	2	5.4	10.8	40
Evergreen	24"	2	6.0	12.0	48
Evergreen	36"	1	14.2	14.2	36
Hardwood	48"	1	25.2	25.2	48
<b>TOTALS</b>				<b>102.8</b>	<b>315</b>



ALL CALL OUTS SHOWN FOR PERMITTING PURPOSES ONLY.



TREE PROTECTION PLAN  
 DEKALB COUNTY  
 FIRE STATION NO.7  
 1712 COLUMBIA DRIVE  
 DECATUR, GA 30032

PLANS NOT ISSUED FOR CONSTRUCTION

**BROWN DESIGN GROUP**  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA 30344  
 (404) 559-1805 (F) (404) 761-0020 (E) THEBROWNDISIGNGROUP.COM

DRAWN : GPH  
 SCALE: 1" = 20'  
 DWG. DATE: 06-05-19  
 LAND LOT: 70  
 DISTRICT: 13TH  
 JOB #: 280918-DEKALB FS#7

SHEET  
**LS2**



GENERAL NOTES

GENERAL INFORMATION:

- THE STRUCTURE IS STABLE ONLY IN ITS COMPLETED STATE. TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSEWORK, CRIBBING OR OTHER ELEMENTS REQUIRED TO STABILIZE THE STRUCTURE DURING ERECTION UNDER ALL LOADING CONDITIONS SHALL BE DESIGNED, FURNISHED AND INSTALLED BY THE CONTRACTOR.
- THE STRUCTURE IS DESIGNED IN ACCORDANCE WITH THE 2012 INTERNATIONAL BUILDING CODE AND THE LATEST GEORGIA STATE AMENDMENTS.
- BUILDING RISK CATEGORY IV
- DESIGN LOADS ARE AS FOLLOWS:

DEAD LOAD:	LIVE LOAD:
MECHANICAL & ELECTRICAL: 5 PSF	ROOF: 20 PSF
CEILING: 5 PSF	ROOF SNOW: 5 PSF
PARTITION: 55 PSF	LIVING AREA: 50 PSF
WIND LOADS:	
BASIC DESIGN WIND SPEED: 120 MPH	
WIND EXPOSURE CATEGORY: B	
INTERNAL PRESSURE COEFFICIENT : 0.18 (±)	

SEISMIC LOADS:	
SDs= DESIGN SPECTRAL ACCELERATION FOR SHORT PERIOD:	0.193
SD1= DESIGN SPECTRAL ACCELERATION FOR 1 SECOND PERIOD:	0.144
IMPORTANCE FACTOR:	1.5
SITE CLASS:	D
SEISMIC DESIGN CATEGORY:	D
BASIC STRUCTURAL SYSTEM:	ORDINARY REINFORCED MASONRY SHEAR WALLS

RESPONSE MODIFICATION FACTOR (R): 2.0  
 SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE  
 BASE SHEAR:  $V = 310$  KIPS

- REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND CIVIL DRAWINGS FOR INSERTS, SLEEVES, CURBS, PADS, ETC., AFFECTING STRUCTURAL WORK NOT SHOWN. SEE TYPICAL DETAILS FOR FRAMING AROUND MISC. OPENINGS.
- CONTRACTOR TO LOCATE ALL BURIED UTILITY PIPES PRIOR TO THE EXCAVATION FOR THE BUILDING FOUNDATIONS. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF POTENTIAL CONFLICTS BETWEEN THE FOUNDATIONS AND THE BURIED UTILITY PIPES.
- CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO ORDERING ANY MATERIALS, AND SHALL IMMEDIATELY NOTIFY THE ENGINEER WHERE CONDITIONS VARY FROM WHAT IS SHOWN ON THE DRAWINGS.

REINFORCED CONCRETE:

- THE DESIGN OF CONCRETE STRUCTURAL ELEMENTS INCLUDING WALLS, FORMED SLABS, BEAMS AND COLUMNS IS IN ACCORDANCE WITH ACI 318-05 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE)
- ALL CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 301-10, SPECIFICATIONS FOR STRUCTURAL CONCRETE, AS WELL AS TO ACI 318-05.
- SHOP DRAWINGS, SHOWING ALL FABRICATION DIMENSIONS AND LOCATIONS FOR PLACING OF THE REINFORCING STEEL AND ACCESSORIES SHALL BE SUBMITTED FOR REVIEW TO THE ARCHITECT/ENGINEER. NO FABRICATION SHALL BEGIN UNTIL SHOP DRAWINGS ARE COMPLETED AND REVIEWED.
- UNLESS NOTED OTHERWISE, DETAILS OF CONCRETE REINFORCEMENT AND ACCESSORIES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 315, MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, AND CRSI MSP-1, MANUAL OF STANDARD PRACTICE, LATEST EDITIONS.
- UNLESS NOTED OTHERWISE, 28 DAY COMPRESSIVE STRENGTH OF CAST-IN-PLACE CONCRETE FOR EACH PORTION OF STRUCTURE SHALL BE 4,000 PSI
- UNLESS NOTED OTHERWISE, CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:  
 CONCRETE CAST AGAINST EARTH 3"  
 FORMED CONCRETE EXPOSED TO EARTH OR WEATHER 2"
- REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60 U.N.O.. WELDING OF REINFORCING STEEL IS NOT PERMITTED.
- ALL SPLICES SHALL CONFORM TO ACI 318, CLASS "B" SPLICE AS FOLLOWS UNLESS NOTED OTHERWISE: #4 : 28" #5 : 38" #6 : 46" #7 : 66"
- UNLESS NOTED OTHERWISE, LONGITUDINAL REINFORCING IN FOOTINGS AND GRADE BEAMS SHALL BE PLACED CONTINUOUS AT CORNERS AND INTERSECTIONS.
- CONSTRUCTION JOINTS SHALL FALL AT CONTROL JOINTS AND SHALL BE KEYS.
- WELDING OR TACK WELDING OF REINFORCING STEEL SHALL NOT BE PERMITTED EXCEPT AS AUTHORIZED OR DIRECTED BY THE STRUCTURAL ENGINEER OR HIS REPRESENTATIVE.
- U.N.O. ALL SLABS ON GRADE SHALL BE 4" THICK REINFORCED WITH WWF 6x6-W2.1xW2.1, CONFORMING TO ASTM A185 PLACED ON 10 MILL POLY. VAPOR BARRIER WITH JOINTS LAPPED NOT LESS THAN 6 INCHES, ON 4" WELL COMPACTED #57 STONE.
- THE RESULT OF CONCRETE STRENGTH TEST SHALL BE MADE AVAILABLE AT JOB SITE FOR REVIEW BY INSPECTORS.

FOUNDATIONS:

- SHALLOW FOUNDATIONS ARE DESIGNED FOR AN ALLOWABLE SOIL BEARING CAPACITY OF 3.0 KSF, IN ACCORDANCE WITH GEOTECHNICAL REPORT DATED NOVEMBER 23, 2016. BY WILMER ENGINEERING
- ALL FOUNDATION WORK SHALL BE INSPECTED AND APPROVED FOR THE REQUIRED ALLOWABLE SOIL BEARING CAPACITY BY A SOILS ENGINEER, REGISTERED IN GEORGIA, OR HIS REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE.
- AREAS UNDER SLABS AND FOOTINGS SHALL BE BACKFILLED AND COMPACTED TO 98% OF SOIL'S DRY DENSITY.

STEEL JOISTS:

- STEEL JOISTS SHALL CONFORM TO "STANDARD SPECIFICATIONS AND LOAD TABLES" OF THE STEEL JOIST INSTITUTE, LATEST EDITION.
- BRIDGING AND SPACING OF BRIDGING SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "STANDARD LOAD TABLES" OF THE STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE.
- JOIST BRIDGING SHALL NOT BE USED TO SUPPORT PIPING, CONDUIT, DUCTWORK ETC.
- SHOP DRAWINGS PREPARED IN ACCORDANCE WITH THE LATEST STEEL JOIST INSTITUTE MANUAL, SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF GEORGIA SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL. NO JOIST FABRICATION SHALL BEGIN UNTIL SHOP DRAWINGS ARE REVIEWED AND APPROVED.

METAL FLOOR DECK

- METAL FLOOR DECK SHALL BE COMPOSITE STEEL FLOOR DECK AS SHOWN ON THE DRAWINGS (BY VULCRAFT OR EQUAL) & CONFORMING TO THE STEEL DECK INSTITUTE SPECIFICATIONS.
- DECKING SHALL BE CONTINUOUS OVER 3 SPANS MINIMUM.
- DECK SHALL BE WELDED TO INTERIOR SUPPORTS 10 INCHES ON CENTER MAXIMUM (I.E. 4 EVERY 30 INCH WIDE SHEET), WEL SPACING AT EXTERIOR SUPPORTS SHALL BE 6" (MAX.), WELLS SHALL BE 5/8" MIN. (VISIBLE) ARC PUDDLE WELDS.
- SITE LAP CONNECTION SHALL BE A MINIMUM OF 1 #10 TEK SCREW PER DECK SPAN.

METAL ROOF DECK

- METAL ROOF DECK SHALL BE AS SHOWN ON DRAWINGS AND CONFORM TO STEEL DECK INSTITUTE (SDI) SPECIFICATIONS, LATEST EDITION.
- DECKING SHALL BE CONTINUOUS OVER 3 SPANS MINIMUM WHERE SUPPORTING STRUCTURE PERMITS. DECK TO SPAN NO LESS THAN TWO SPANS PER PANEL.
- WELDING OF METAL DECK TO INTERIOR SUPPORTING MEMBERS SHALL BE 5/8" PUDDLE WELD AT 6" O.C. MAXIMUM.
- SIDE LAP CONNECTION OF METAL DECK SHALL BE MINIMUM (7) #10 TEK SCREWS PER DECK SPAN, EXCEPT AT APPARATUS ROOF WHERE (4) #10 TEK SCREWS SHALL BE USED.

MASONRY:

- THE DESIGN OF MASONRY WALLS IS IN ACCORDANCE WITH ACI530-05/ASCE 5-05/TMS 402-05
- REQUIRED 28 DAY COMPRESSIVE STRENGTH OF CONCRETE MASONRY UNITS, f'm, SHALL BE 1,500 PSI.
- CONCRETE MASONRY UNITS SHALL BE NORMAL WEIGHT.
- GROUT SHALL CONFORM TO ASTM C476 AND SHALL MEET A 28 DAY COMPRESSIVE STRENGTH OF 2500 PSI.
- MORTAR SHALL BE TYPE S CONFORMING TO ASTM C70.
- ALL STEEL REINFORCEMENT PLACED IN MASONRY CONSTRUCTION SHALL CONFORM TO ASTM A615, GRADE 60 U.N.O.
- ALL CONCRETE BLOCK WALLS SHALL HAVE MINIMUM VERTICAL REINFORCING OF #5@32" O.C. AND (2) #5 HORIZONTAL BARS AT 48" O.C. MAX UNLESS NOTED OTHERWISE.
- HORIZONTAL JOINT REINFORCEMENT CONFORMING TO ASTM A951 SHALL BE 9 GAGE LADDER TYPE AND SPACED 16" O.C. UNLESS NOTED OTHERWISE. JOINT REINFORCEMENT SHALL BE ALSO USED TO ANCHOR BRICK VENEER @ 16" O.C.
- CONTRACTION JOINTS SHALL BE AS SHOWN ON THE ARCHITECTURAL DRAWINGS. PROVIDE 1 #5 IN EACH CELL ADJACENT TO AND ON EACH SIDE OF THE JOINT.
- REINFORCEMENT LAP SPLICE LENGTH SHALL BE AS FOLLOWS:  
 #5 : 2'-8" UNO , #5 IN BOND BEAMS : 3'-6" (STAGGER SPLICE IN BOND BEAMS)  
 #6 : 3'-0".
- HORIZONTAL JOINT REINFORCEMENT SHALL NOT EXTEND THROUGH CONTROL JOINTS IN THE MASONRY.
- JOINT REINFORCEMENT SHALL BE PLACED CONTINUOUSLY WITH THE ENDS LAPPED 6" FOR DEFORMED BARS AND 12" FOR SMOOTH BARS.
- JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR WITH MINIMUM COVER OF 5/8".
- GROUT IN VERTICAL CORES SHALL NOT BE PLACED IN LIFTS GREATER THAN 5 FEET.
- MASONRY WALLS MUST BE BRACED DURING ERECTION FOR WIND AND CONSTRUCTION LOADS. BRACES MUST BE DESIGNED, CONSTRUCTED AND ERECTED IN A FASHION AS TO PREVENT PERMANENT SCARRING OF MASONRY SURFACES AT EXPOSED CONDITION.
- FILL ALL REINFORCED CELLS WITH GROUT FULL HEIGHT. ALL CELLS LOCATED BELOW GRADE SHALL BE FILLED WITH GROUT. REINFORCE CELLS ADJACENT TO DOOR, WINDOW AND OPENINGS IN ACCORDANCE WITH CMU OPENING REINF. SCHEDULE ON SHT. S-005
- ALL CMU WALLS SHALL BE CONSTRUCTED IN RUNNING BOND.

STRUCTURAL STEEL:

- ALL STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO: "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" OF THE AISC, LATEST EDITION.
- ALL FABRICATIONS SHALL COMPLY WITH "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES", LATEST EDITION, AS PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
- SHOP DRAWINGS PREPARED IN ACCORDANCE WITH THE LATEST "STRUCTURAL STEEL DETAILING MANUAL OF THE AISC SHALL BE SIGNED AND STAMPED BY AN ENGINEER REGISTERED IN GEORGIA, AND SUBMITTED TO THE ARCHITECT/ENGINEER FOR REVIEW. NO FABRICATION SHALL BEGIN UNTIL SHOP DRAWINGS ARE COMPLETED, REVIEWED APPROVED.
- UNLESS NOTED OTHERWISE, STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS: W SHAPES ASTM GRADE 50; STEEL TUBE A500 GRADE B; STEEL PIPE GRADE 53. OTHER ROLLED SECTIONS PLATES, FLAT BARS A36.
- STEEL FRAMING CONNECTIONS SHALL BE SHOP WELDED AND FIELD BOLTED U.N.O..  
 A. BOLTS SHALL CONFORM TO ASTM A325, AND SHALL BE MINIMUM 3/4" DIAMETER UNLESS NOTED OTHERWISE. ALL BOLTS SHALL BE BEARING TYPE U.N.O. WITH THREADS INCLUDED IN THE SHEAR PLANE. BOLTS IN MEMBERS SUPPORTING VIBRATING EQUIPMENT SHALL BE SLIP CRITICAL.  
 B. WELDS SHALL CONFORM TO "STRUCTURAL WELDING CODE" OF THE AMERICAN WELDING SOCIETY, AWS D1.1-04 USE E70XX ELECTRODES.  
 C. MINIMUM FILLET WELD SIZE SHALL BE 3/16".  
 D. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE AT THE TIME OF INSPECTION.
- BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC-2004 (SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS)
- THE FABRICATOR SHALL BE RESPONSIBLE FOR THE SELECTION, DESIGN AND DETAILING OF ALL CONNECTIONS NOT FULLY DETAILED ON THE CONTRACT DRAWINGS. IF NO REACTIONS ARE GIVEN, CONNECTIONS FOR NON COMPOSITE BEAMS SHALL BE DESIGNED FOR THE MAXIMUM UNIFORM LOAD THAT THE BEAM WILL SUPPORT FOR THE SPAN SHOWN IN THE AISC BEAM TABLES, WHILE CONNECTIONS FOR COMPOSITE BEAMS SHALL BE DESIGNED FOR 1.5x THE MAXIMUM UNIFORM LOADS. WHERE MOMENT CONNECTIONS ARE INDICATED , PROVIDE CONNECTION TO DEVELOP FULL MOMENT CAPACITY OF MEMBER. UNLESS MOMENTS ARE SPECIFIED.
- STEEL STUDS FOR BEAMS SHALL BE NELSON HEADED CONCRETE ANCHORS (OR APPROVED EQUAL) AND SHALL CONFORM TO ASTM A708. ANCHORS SHALL BE AUTOMATICALLY END WELDED WITH SUITABLE STUD WELDING EQUIPMENT IN STRICT ACCORDANCE WITH MANUFACTURERS RECOMENDATIONS.
- ALL EXPANSION ANCHORS TO BE HILTI KWIK-BOLTS WITH 4 3/4" MINIMUM EMBEDMENT, OR AN EQUAL; UNLESS NOTED OTHERWISE.
- ANCHOR BOLTS SHALL CONFORM TO ASTM F 1554.
- BOTTOM OF BEARING PLATES AND COLUMN BASE PLATES SHALL BE GROUTED INSURE FULL BEARING CONTACT ON SUPPORTS, EXCEPT FOR PLATES TWO (2) INCHES OR LESS IN THICKNESS WHICH BEAR ON SURFACES (SUCH AS CONCRETE FLOORS) CONSTRUCTED TO SPECIFIC LEVEL TOLERANCES.

SPECIALTY ITEMS:

- COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE DESIGN TEAM OF RECORD AND NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIMES OF INSPECTION INCLUDING THE FOLLOWING SELECTED COMPONENTS FOR THIS PROJECT: AWNINGS/CANOPIES, GLAZED SYSTEM (INCLUDING BUT NOT LIMITED TO WINDOW UNITS, CURTAIN WALLS AND STOREFRONTS) WHICH EXCEEDS TEN (10) FEET IN HEIGHT, STAIRS
- DESIGN WIND PRESSURES FOR EXTERIOR CLADDING/ COMPONENT SHALL BE AS SPECIFIED ON SHEET.

ABBREVIATIONS

AB	ANCHOR BOLT
A.F.F.	ABOVE FINISHED FLOOR
ALT.	ALTERNATE
ALUM.	ALUMINUM
ACI	AMERICAN CONCRETE INSTITUTE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
ANCH	ANCHOR, ANCHORAGE
ARCH.	ARCHITECT, ARCHITECTURAL
CL	CENTER LINE
COL(S)	COLUMN(S)
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
CJ	CONTROL JOINT
D.L.	DEAD LOAD
DO.	DITTO
DWL	DOWEL
DWG.	DRAWING
EA.	EACH
E.F.	EACH FACE
E.W.	EACH WAY
EL.	ELEVATION (HEIGHT LEVEL)
ELEV.	ELEVATOR
EQ.	EQUAL
EXP. JT.	EXPANSION JOINT
FIN. FLR	FINISH FLOOR
FT'G	FOOTING
GA.	GAUGE
GALV.	GALVANIZED
H.P.	HIGH POINT
JT	JOINT
L.P.	LOW POINT
MAX. MECH.	MAXIMUM MECHANICAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
NTS	NOT TO SCALE
O.C.	ON CENTER
OPP. HD.	OPPOSITE HAND
PCF	POUND PER CUBIC FOOT
PL.	PLATE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REINF.	REINFORCE, REINFORCING OR REINFORCEMENT
SCHED.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SIM.	SIMILAR
STA	ALIGNMENT STATION
STRUCT.	STRUCTURE, STRUCTURAL
THK.	THICK, THICKNESS
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
W.W.F.	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT

REVISIONS		
NO.	DESCRIPTION	DATE
1	GENERAL	11/7/19

  
**GENERAL NOTES**  
**DEKALB COUNTY FIRE STATION**  
**No. 7**  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

  
**BROWN DESIGN GROUP**  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA. 30344  
 (770) 404-5500 • (770) 404-7611 • (770) 404-5500 • (770) 404-7611 • (770) 404-5500

CHECKED: BS
DRAWN: HB
SCALE:
DWS DATE: 01/09/2019
PRINT DATE: 02/20/2019
JOB NO: B1605-02
SHEET
S0.1

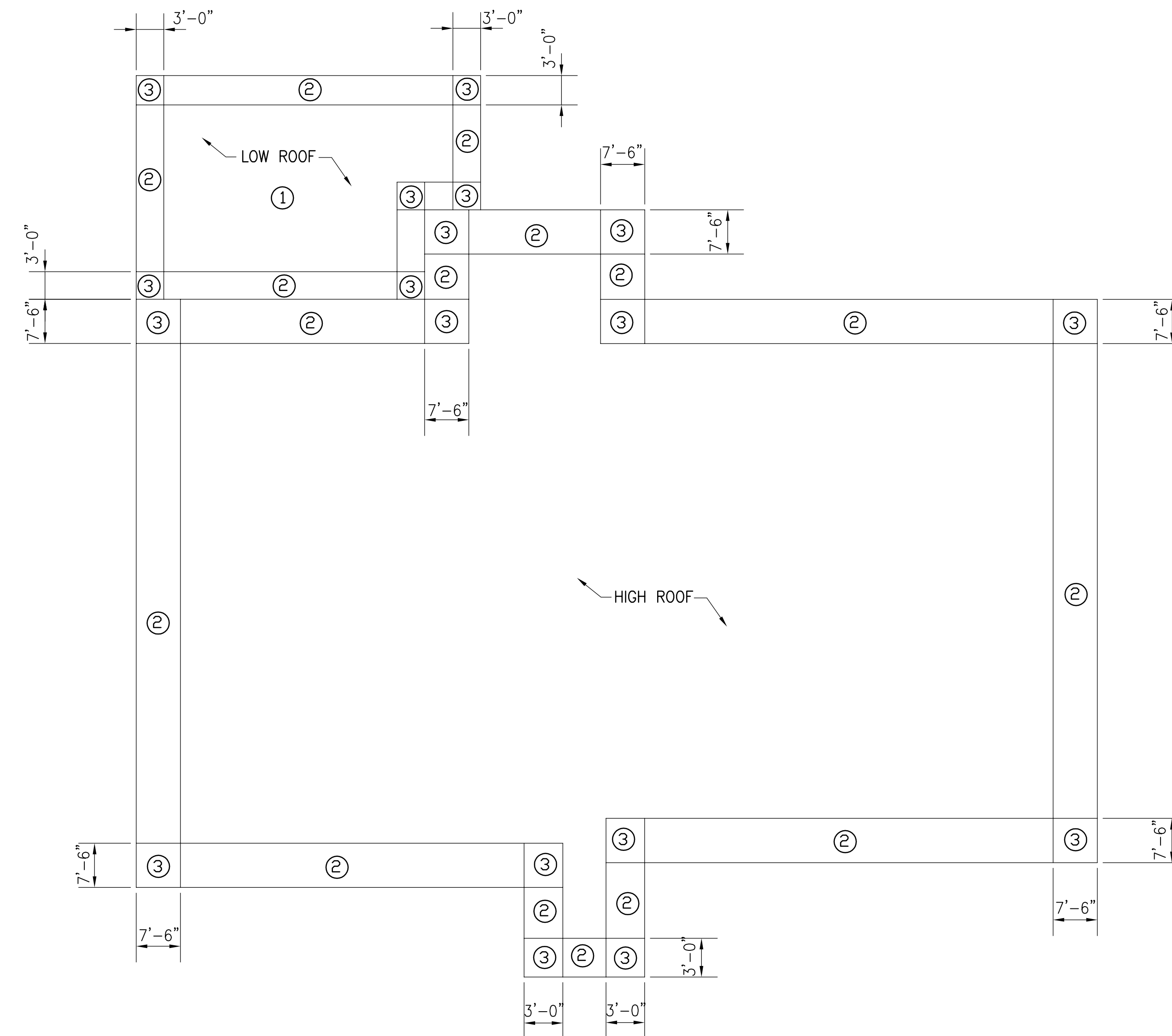
ISSUED FOR CONSTRUCTION



**SPECIAL INSPECTIONS:**

1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PERFORM SPECIAL INSPECTIONS AS REQUIRED BY IBC 2012. THE SCHEDULE OF REQUIRED INSPECTIONS SHALL BE AS SHOWN BELOW.
2. THE SPECIAL INSPECTOR SHALL BE AN ENGINEER REGISTERED IN GEORGIA OR HIS AUTHORIZED REPRESENTATIVE EXPERIENCED IN INSPECTING THE PARTICULAR TYPE OF CONSTRUCTION BEING USED IN THIS PROJECT. THE SPECIAL INSPECTOR SHALL DEMONSTRATE COMPETENCE TO THE SATISFACTION OF THE BUILDING OFFICIAL.
3. THE SPECIAL INSPECTOR SHALL FURNISH SIGNED AND SEALED PERIODIC INSPECTION REPORTS TO THE BUILDING OFFICIAL AND THE STRUCTURAL ENGINEER OF RECORD. REPORTS SHALL INDICATE THAT WORK INSPECTED WAS DONE IN CONFORMANCE TO APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE STRUCTURAL ENGINEER OF RECORD PRIOR TO THE COMPLETION OF EACH PHASE OF THE WORK.

QUALITY ASSURANCE PLAN / SCHEDULE OF SPECIAL INSPECTION			
ITEM	CONTINUOUS INSPECTION	PERIODIC INSPECT.	REMARK
<b>SOILS</b>			
FOOTING SUBGRADE		X	CERTIFY REQUIRED BEARING CAPACITY OF FOOTING SUBGRADE SPREAD FOOTING (1) TEST FOR EACH FOOTING WALL FOOTING (1) TEST PER 100 L.F.
INSPECTION OF REINFORCING STEEL AND ANCHOR BOLT PLACEMENT		X	ALL REINFORCEMENT PRIOR TO CONCRETE PLACEMENT
EMBEDDED PLATES FOR CONNECTION OF STEEL BEAMS		X	ALL EMBEDDED PLATES PRIOR TO CONCRETE PLACEMENT
VERIFY USE OF REQUIRED DESIGN MIX		X	PRIOR TO CONCRETE PLACEMENT
<b>CONCRETE</b>			
SAMPLING OF FRESH CONCRETE AT POINT OF DISCHARGE	X		(1) TEST FOR EACH 100 CY OR FRACTION THEREOF PLACED EACH DAY (5) FIVE CYLINDERS MINIMUM FOR EACH TEST EACH TEST WILL INCLUDE THE FOLLOWING: -SLUMP, AIR CONTENT, TEMPERATURE, UNIT WEIGHT AND COMPRESSIVE STRENGTH -2 FIELD CYLINDERS: 1 AT 3 DAYS AND 1 AT 7 DAYS -2 ACCEPTANCE CYLINDERS AT 28 DAYS -HOLD 1 CYLINDER IN RESERVE
INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	X		DURING PLACEMENT OF ALL CONCRETE
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURES AND TECHNIQUES		X	DURING CURING OF ALL CONCRETE
<b>STEEL</b>			
MATERIAL VERIFICATION OF STRUCTURAL STEEL		X	-IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS -MANUFACTURER'S CERTIFIED MILL TESTS REQUIRED -COMPARE MARKING TO MILL TEST FOR ALL STEEL PRIOR TO FABRICATION
MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS AND WASHERS		X	-IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS -MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED -COMPARE MARKING TO CERTIFICATE UPON DELIVERY TO SITE
MATERIAL VERIFICATION OF WELD FILLER MATERIAL		X	-IDENTIFICATION MARKINGS TO CONFORM TO AWS STANDARDS -MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED -COMPARE MARKING TO CERTIFICATE AT STEEL FABRICATOR AND AT SITE PRIOR TO WELDING
SHOP WELDING AND FIELD WELDING: A) COMPLETE AND PARTIAL PENETRATION GROOVE WELDS	X		VISUAL INSPECTION DURING WELDING AND ULTRASONIC INSPECTION OF ALL FULL PENETRATION WELDS
B) MULTI PASS FILLET WELDS	X		VISUAL INSPECTION DURING WELDING
C) FILLET WELDS > 5/16"	X		VISUAL INSPECTION DURING WELDING
D) FILLET WELDS < 5/16"		X	VISUAL INSPECTION AFTER WELDING
E) SHEAR STUDS		X	VISUAL INSPECTION AFTER WELDING - 15 DEGREE BEND TEST FOR ANY STUDS THAT DO NOT HAVE A FULL 360 DEGREE FLASH
F) FLOOR AND ROOF DECK WELDS		X	VISUAL INSPECTION AFTER WELDING
HIGH STRENGTH BOLTS: A) BEARING TYPE		X	PERIODIC VISUAL INSPECTION DURING INSTALLATION OF BOLTS
B) PRE-TENSIONED	X		CONTINUOUS INSPECTION DURING INSTALLATION OF BOLTS
<b>MASONRY</b>			
VERIFY: PRIOR TO MASONRY CONSTRUCTION			
A) PROPORTIONS OF SITE PREPARED MORTAR		X	
B) CONSTRUCTION OF MORTAR JOINTS		X	
C) LOCATION OF REINFORCEMENT AND CONNECTORS		X	
VERIFY: DURING MASONRY CONSTRUCTION			
A) SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X	
B) TYPE, SIZE, AND LOCATIONS OF ANCHORS		X	
C) SIZE, GRADE, AND TYPE OF REINFORCING		X	
D) PROTECTION OF MASONRY DURING: -COLD WEATHER (BELOW 40 F) -HOT WEATHER (ABOVE 90 F)		X	
VERIFY: PRIOR TO GROUTING			
A) GROUT SPACE IS CLEAN		X	
B) PLACEMENT OF REINFORCEMENT AND CONNECTORS		X	
C) PROPORTIONS OF SITE PREPARED GROUT		X	
D) CONSTRUCTION OF MORTAR JOINTS		X	
VERIFY GROUT PLACEMENT	X		DURING PLACEMENT OF GROUT
OBSERVE PREPARATION OF MORTAR AND GROUT SPECIMENS FOR STRENGTH TESTING	X		MORTAR: 2 X 4 CYLINDERS OR 2 INCH CUBES PER ASTM C780. USE 3 CYLINDERS OR 2 CUBES FOR EACH TEST. CONDUCT ONE TEST PRIOR TO CONSTRUCTION AND ONE TEST FOR EACH 5000 SF OF WALL AREA OR PER WEEK WHICHEVER OCCURS FIRST. GROUT: TEST 3" X 3" X 6" PRISM, CAST BETWEEN BLOCK UNITS (SEE NCMA TEK - 23A) AND TEST PER ASTM C1019. TEST 2 SPECIMENS FOR EACH 30 CUBIC YARDS OF GROUT OR FRACTION THEREOF PLACED EACH DAY AND WHEN MIX PROPORTIONS ARE CHANGED.



**ROOF PLAN**

SCALE: NONE

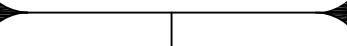
COMPONENTS & CLADDING ROOF WIND PRESSURE (PSF)				
ZONE	TRIBUTARY AREA (SF)			
	10	20	50	100+
①	9.7 -23.8	9.1 -23.2	8.3 -22.4	7.7 -21.8
②	9.7 -39.9	9.1 -35.7	8.3 -30.1	7.7 -25.8
③	9.7 -60.1	9.1 -49.8	8.3 -36.1	7.7 -25.8

PLUS (+) AND MINUS (-) SIGNS SIGNIFY PRESSURES ACTING TOWARDS AND AWAY FROM SURFACES, RESPECTIVELY.

COMPONENTS & CLADDING WALL WIND PRESSURE (PSF)				
TRIBUTARY AREA (SF)	CORNER ZONE 5		INTERIOR ZONE 4	
	10	23.8	-25.8	23.8
20	22.7	-24.7	22.7	-29.7
50	+21.3	-21.3	21.3	-26.9
100	20.2	-22.2	20.2	-24.7

CORNER ZONE WIDTH MATCHES WIDTH OF ZONE 3.  
PLUS (+) AND MINUS (-) SIGNS SIGNIFY PRESSURES ACTING TOWARDS AND AWAY FROM SURFACES, RESPECTIVELY.

REVISIONS		
NO.	DESCRIPTION	DATE



**SPECIAL INSPECTIONS AND  
COMPONENT WIND PRESSURES  
DEKALB COUNTY FIRE STATION  
No. 7**  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

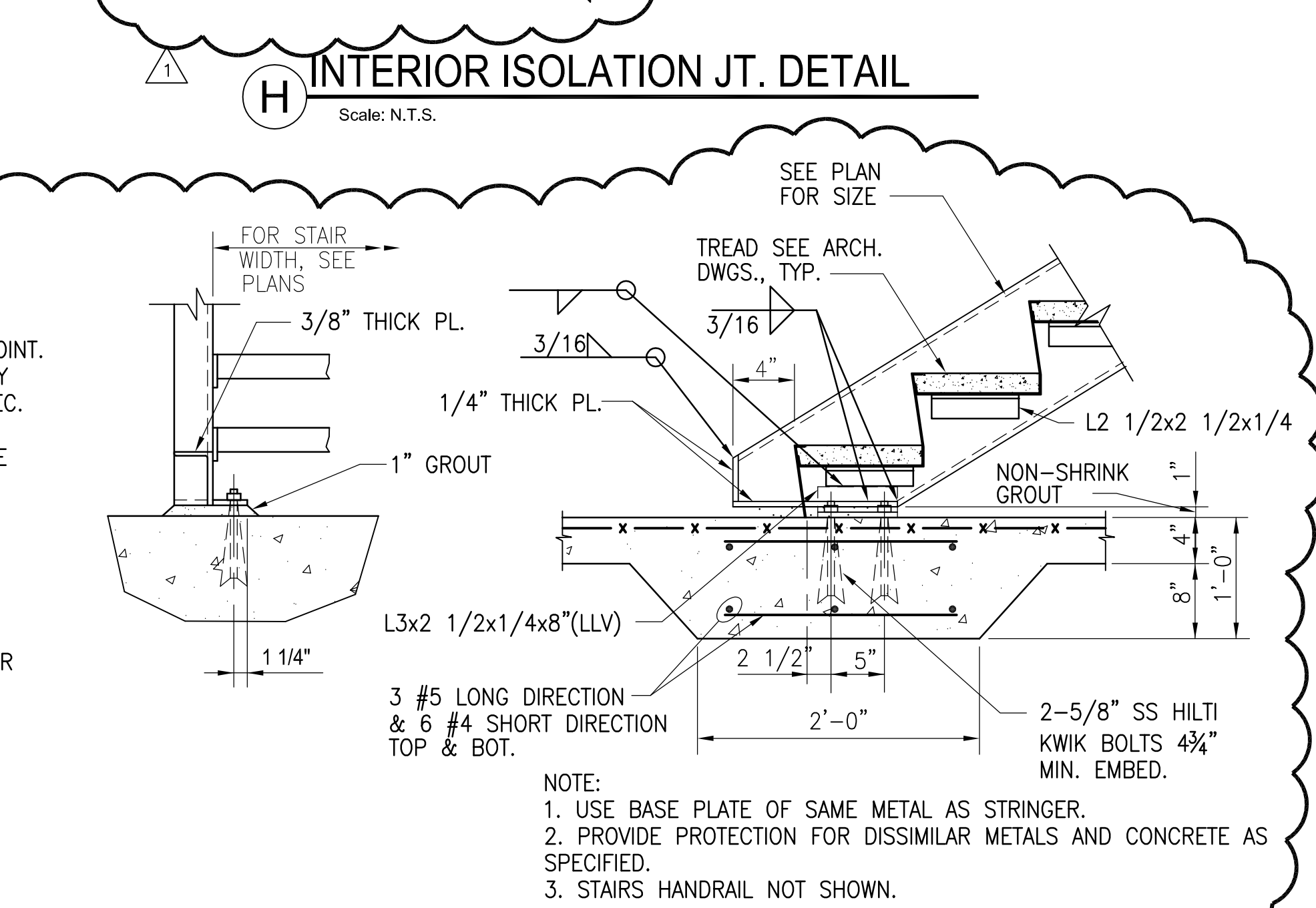
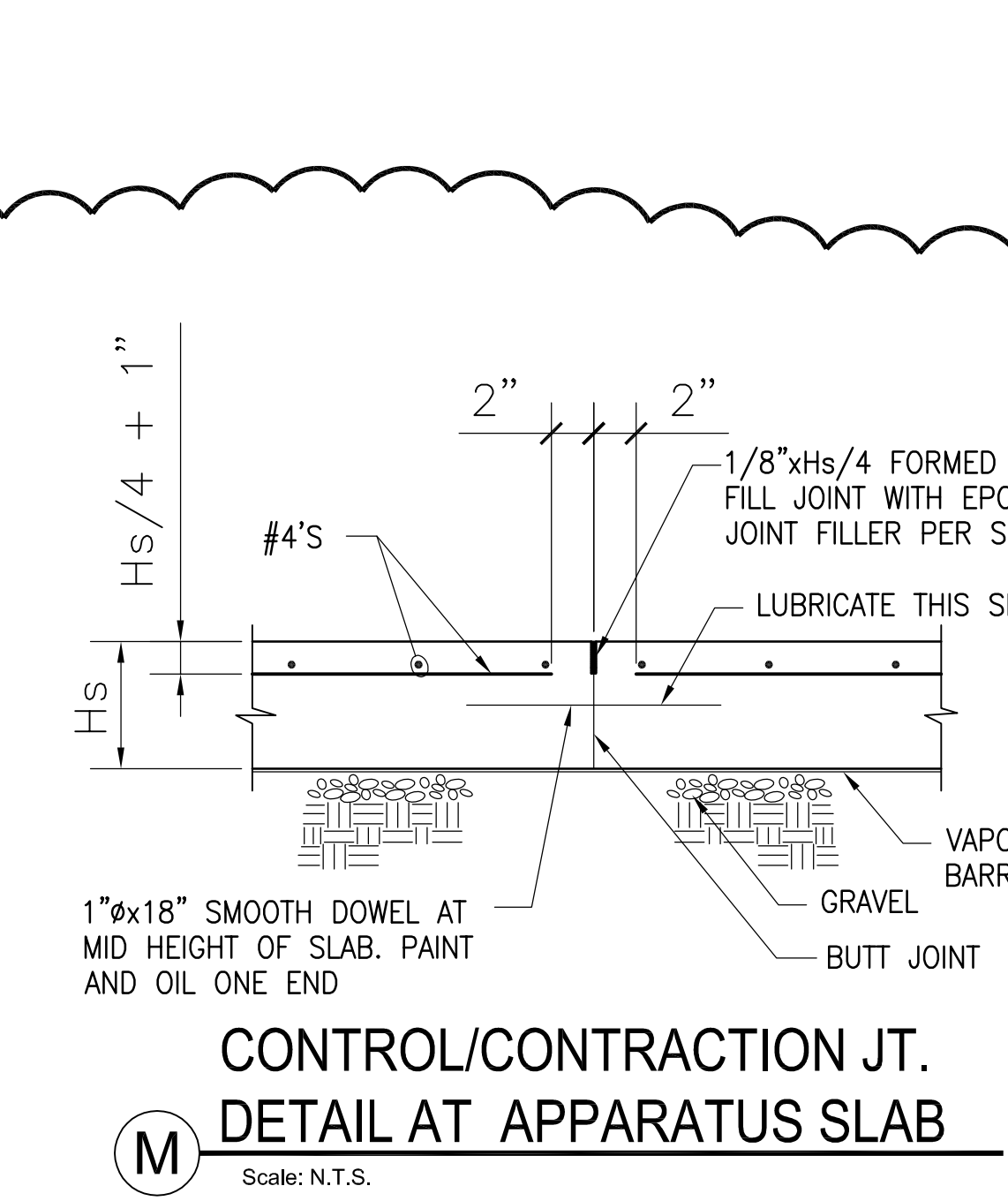
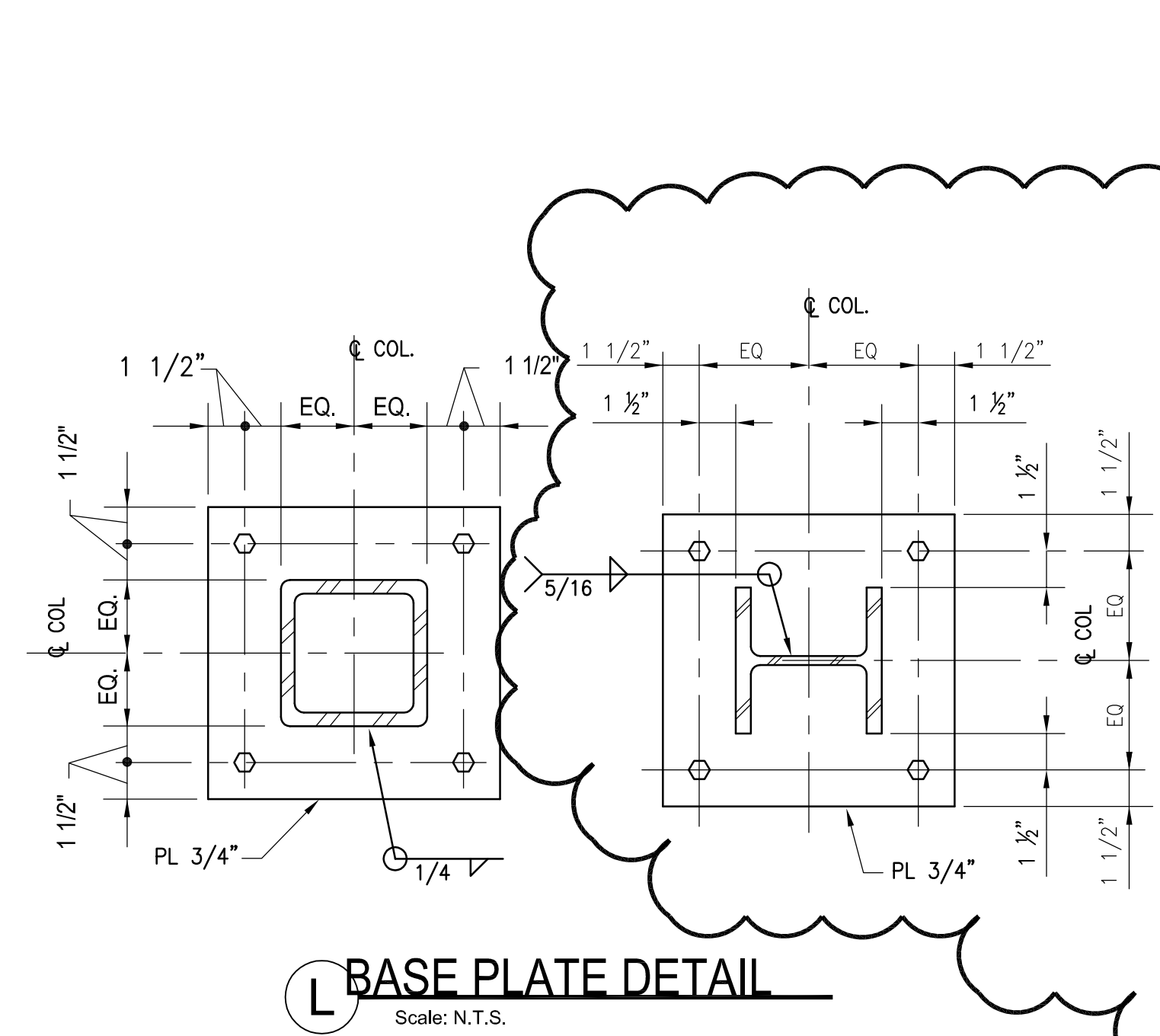
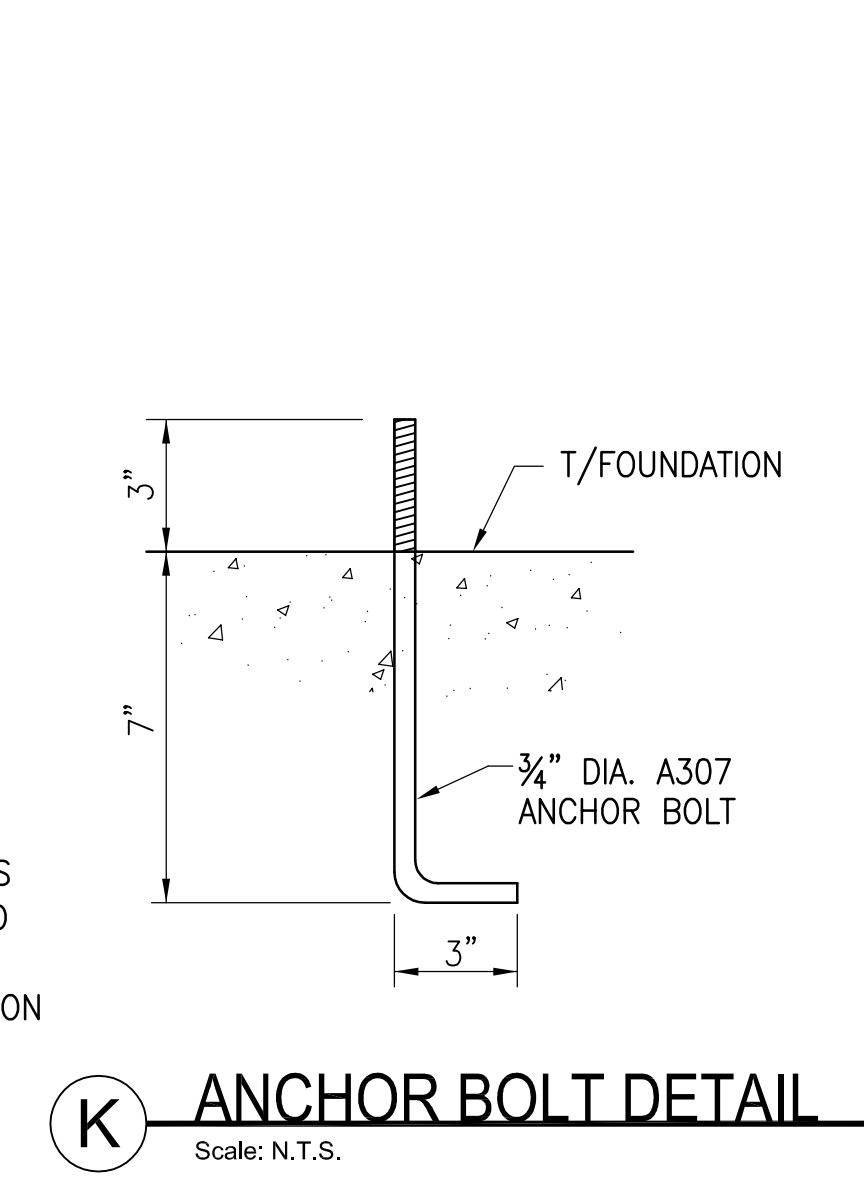
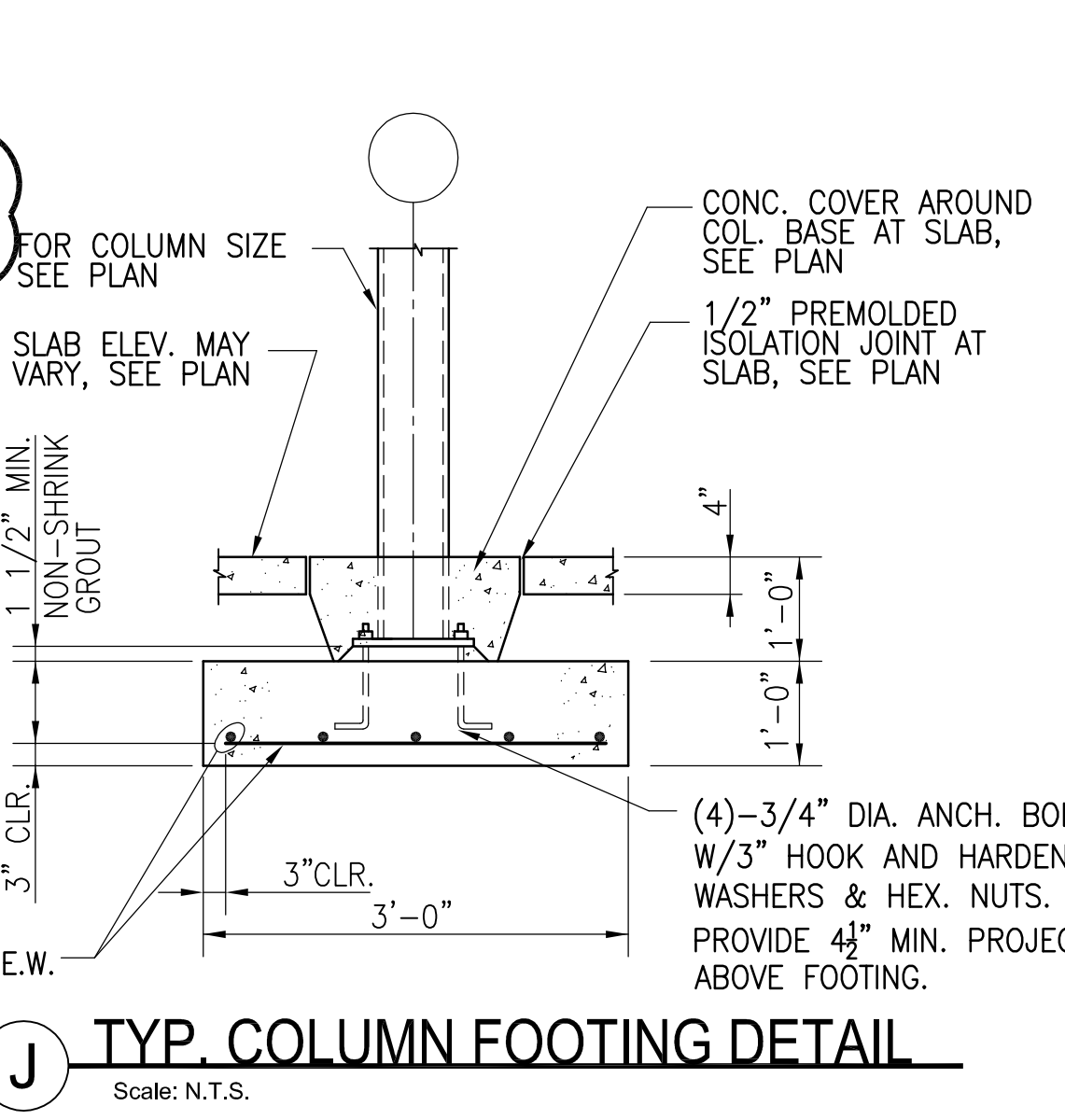
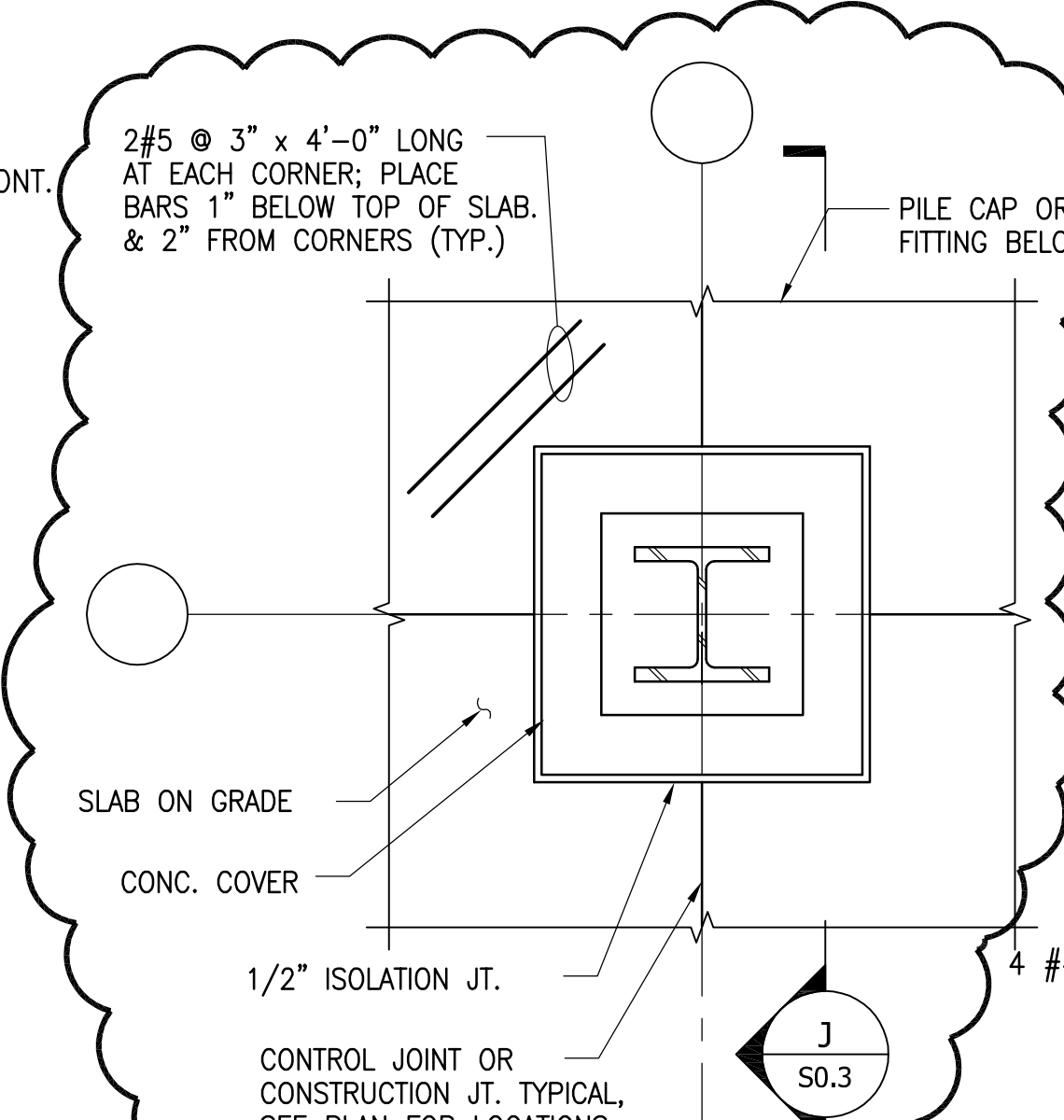
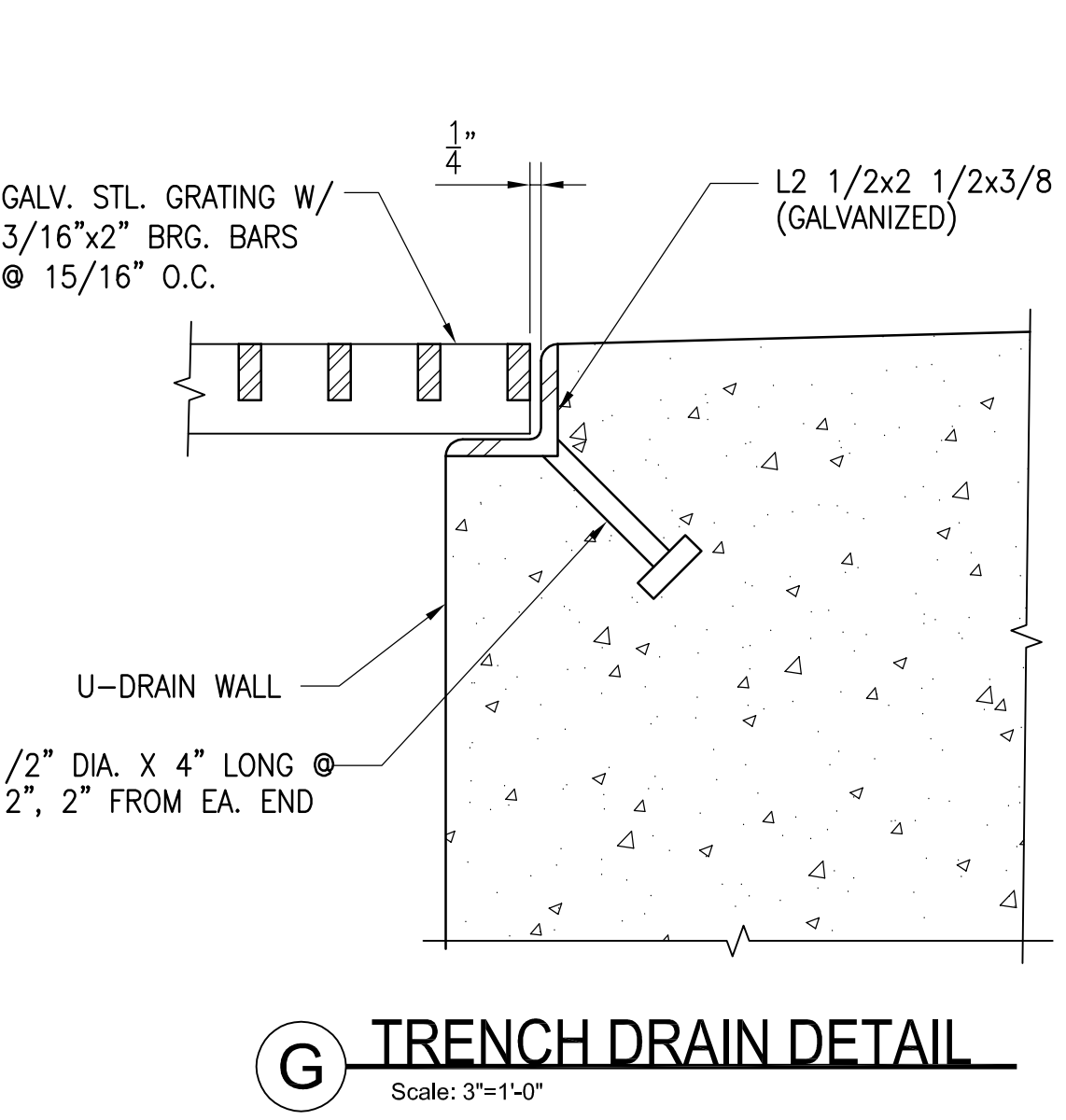
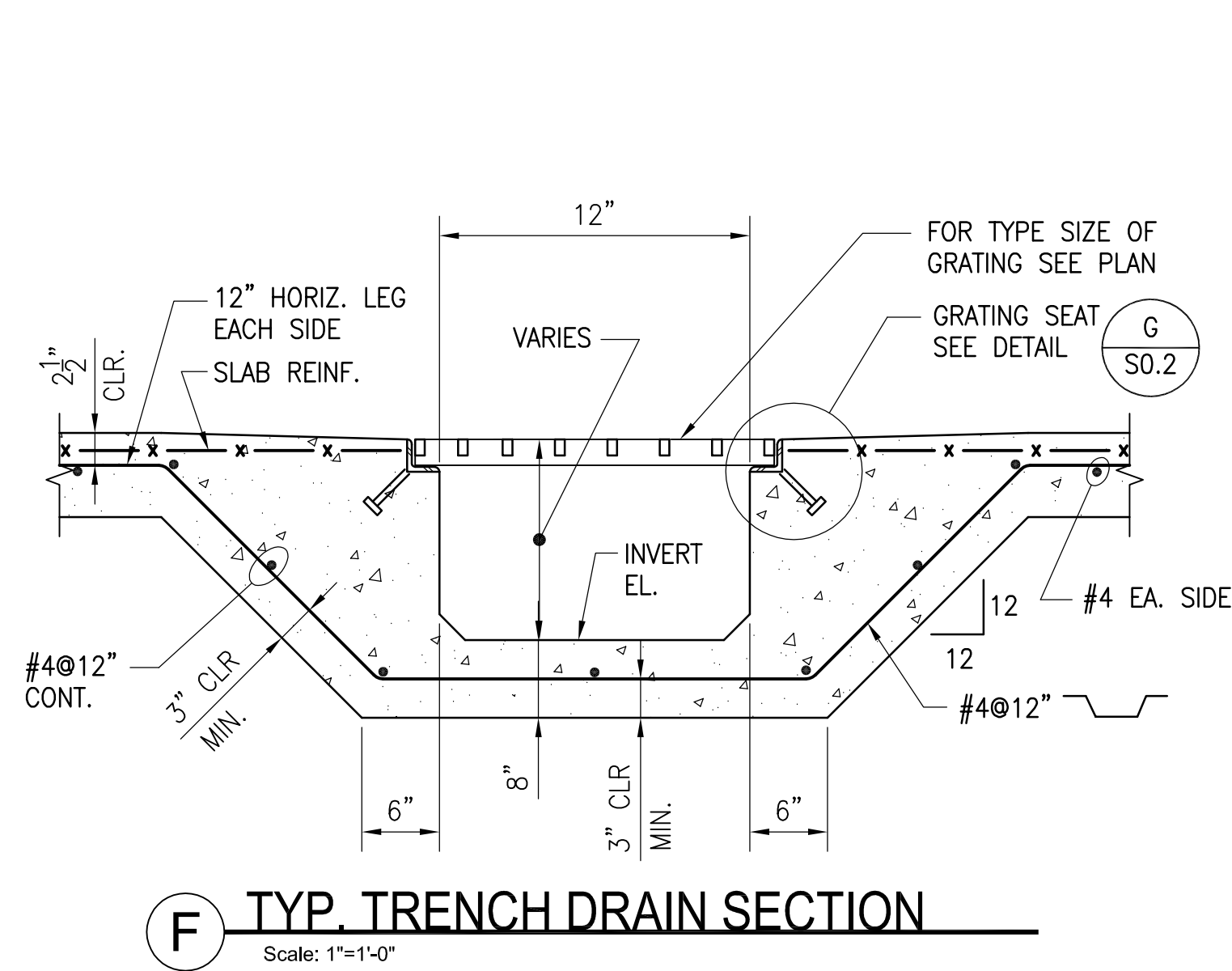
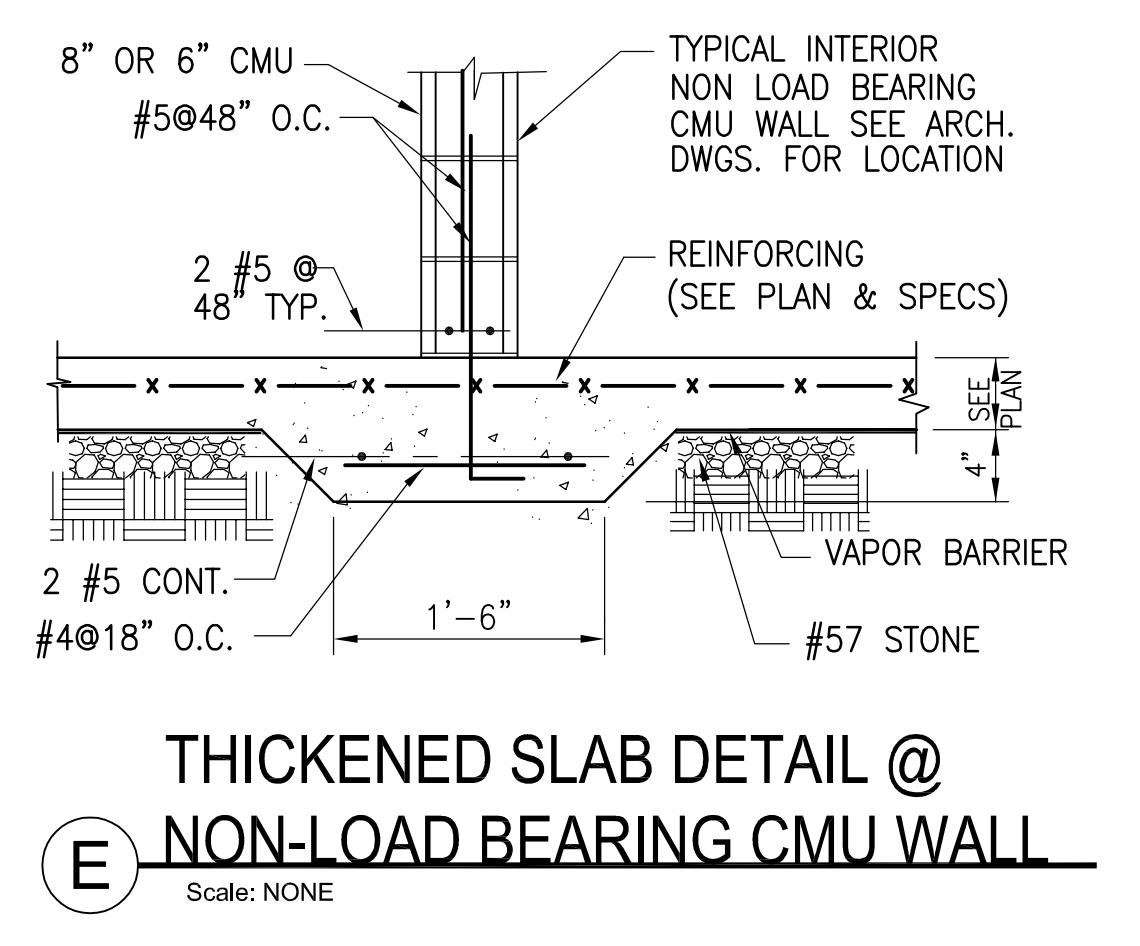
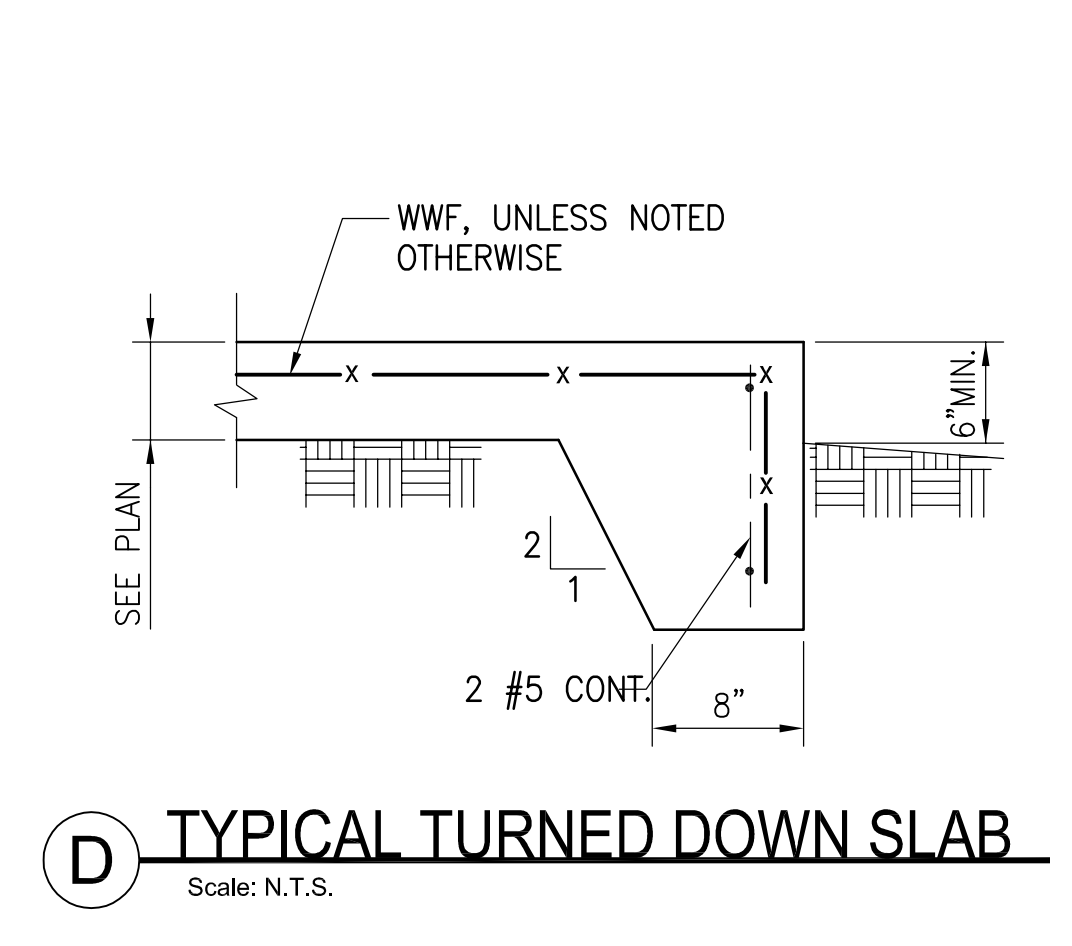
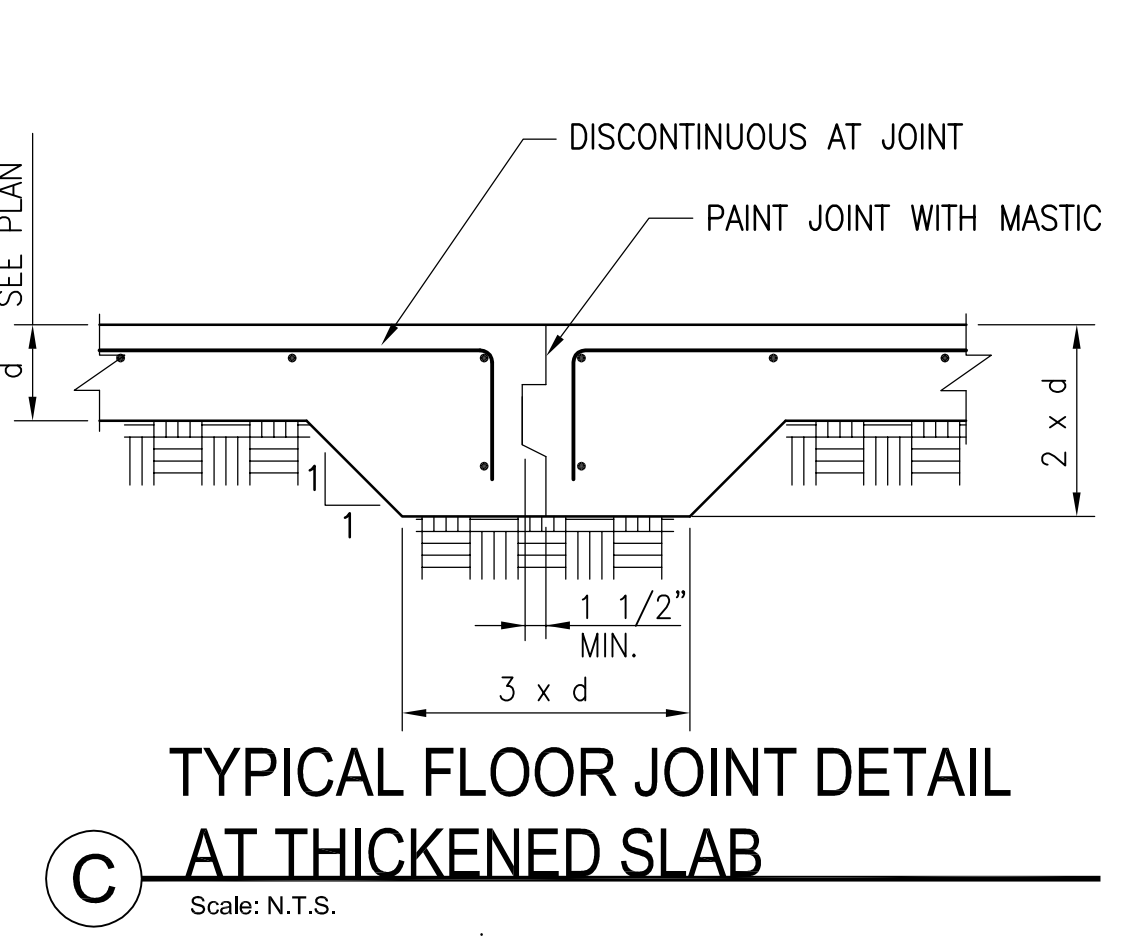
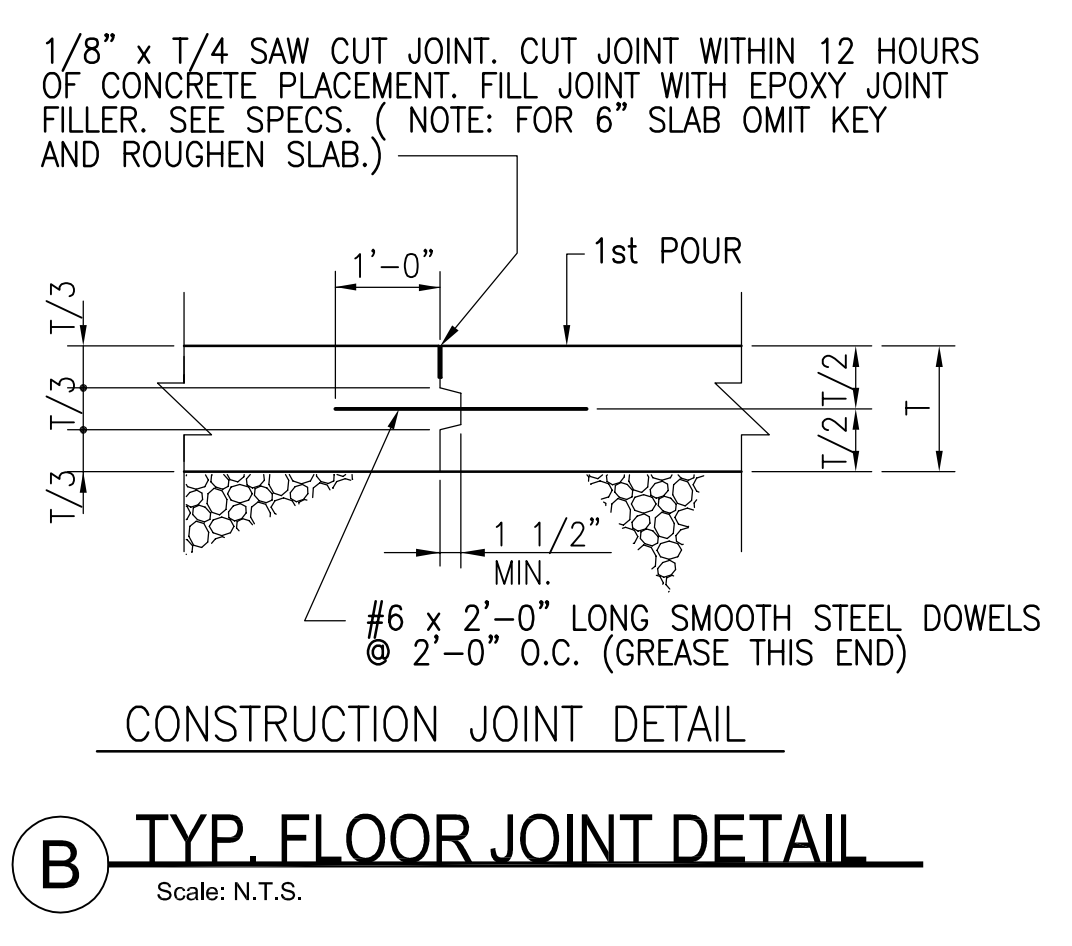
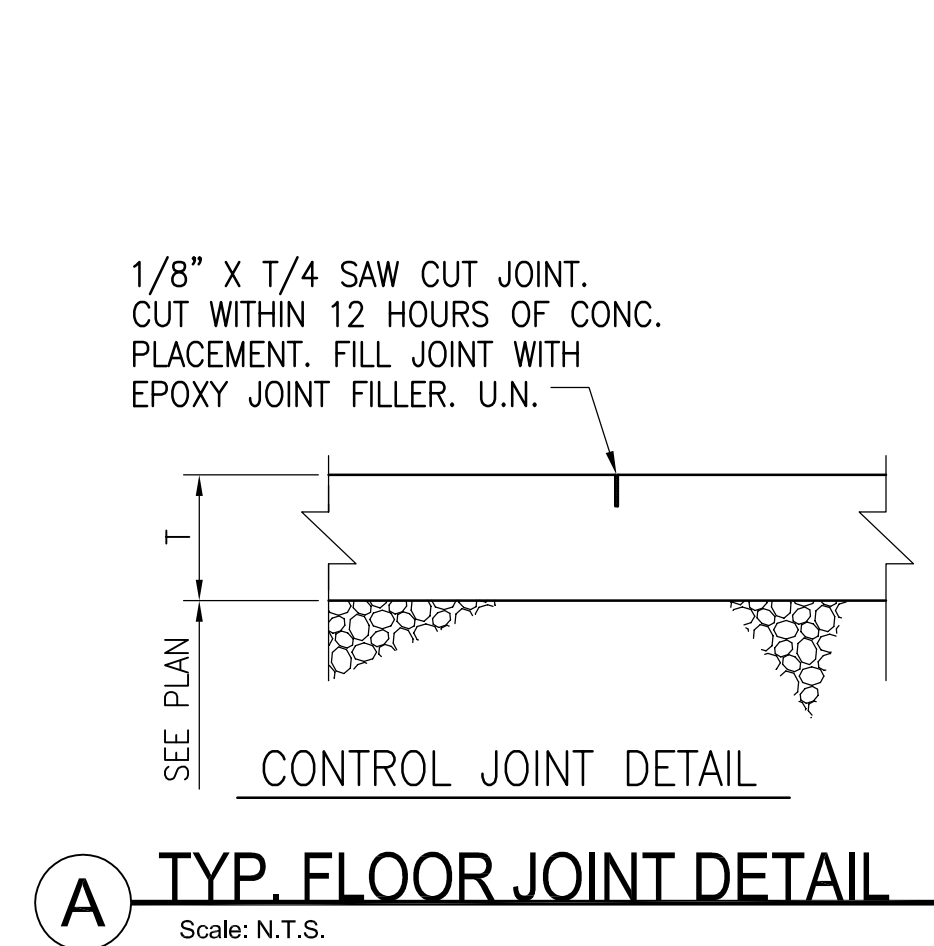
**BROWN  
DESIGN  
GROUP**  
ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(404) 559-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

**ISSUED FOR CONSTRUCTION**

CHECKED: BS  
DRAWN: HB  
SCALE:  
DWS DATE: 01/09/2019  
PRINT DATE: 02/20/2019  
JOB NO: B1605-02

SHEET  
**S0.2**





FOOTING SCHEDULE		
FOOTING TYPE	SIZE	REINF.
F20	2'-0"x2'-0"x1'-0"	3 #4 E.W., BOT.
F25	2'-6"x2'-6"x1'-0"	3 #4 E.W., BOT.
F30	3'-0"x3'-0"x1'-0"	4 #4 E.W., BOT.
F35	3'-6"x3'-6"x1'-0"	4 #4 E.W., BOT.
F40	4'-0"x4'-0"x1'-0"	4 #5 E.W., BOT.
F45	4'-6"x4'-6"x1'-0"	5 #5 E.W., BOT.
F50	5'-0"x5'-0"x1'-2"	6 #5 E.W., BOT.
F55	5'-6"x5'-6"x1'-2"	6 #5 E.W., BOT.
F60	6'-0"x6'-0"x1'-2"	7 #5 E.W., BOT.
F65	6'-6"x6'-6"x1'-4"	8 #6 E.W., BOT.
F70	7'-0"x7'-0"x1'-4"	9 #6 E.W., BOT.
F7050	7'-0"x5'-0"x1'-4"	6 #6 LONG. BOT. 8 #5 SHORT BOT. #5@12" E.W. TOP
F7555	7'-6"x5'-6"x1'-4"	7 #6 LONG. BOT. 8 #5 SHORT BOT. #5@12" E.W. TOP

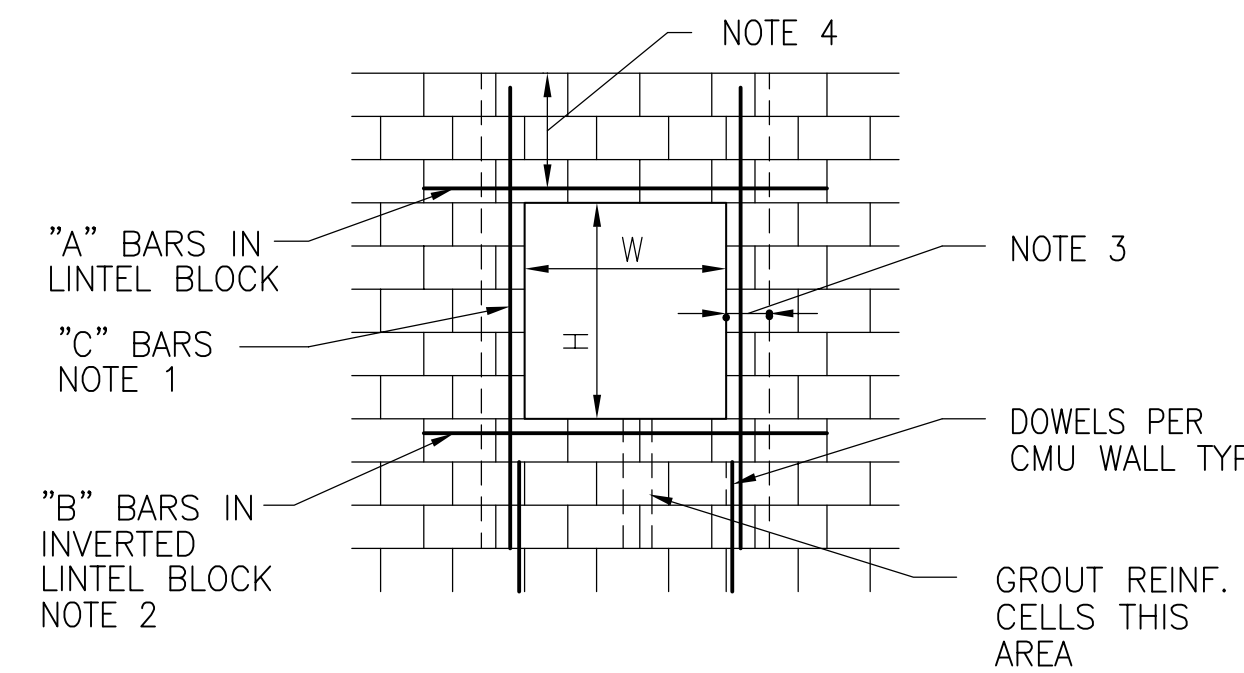
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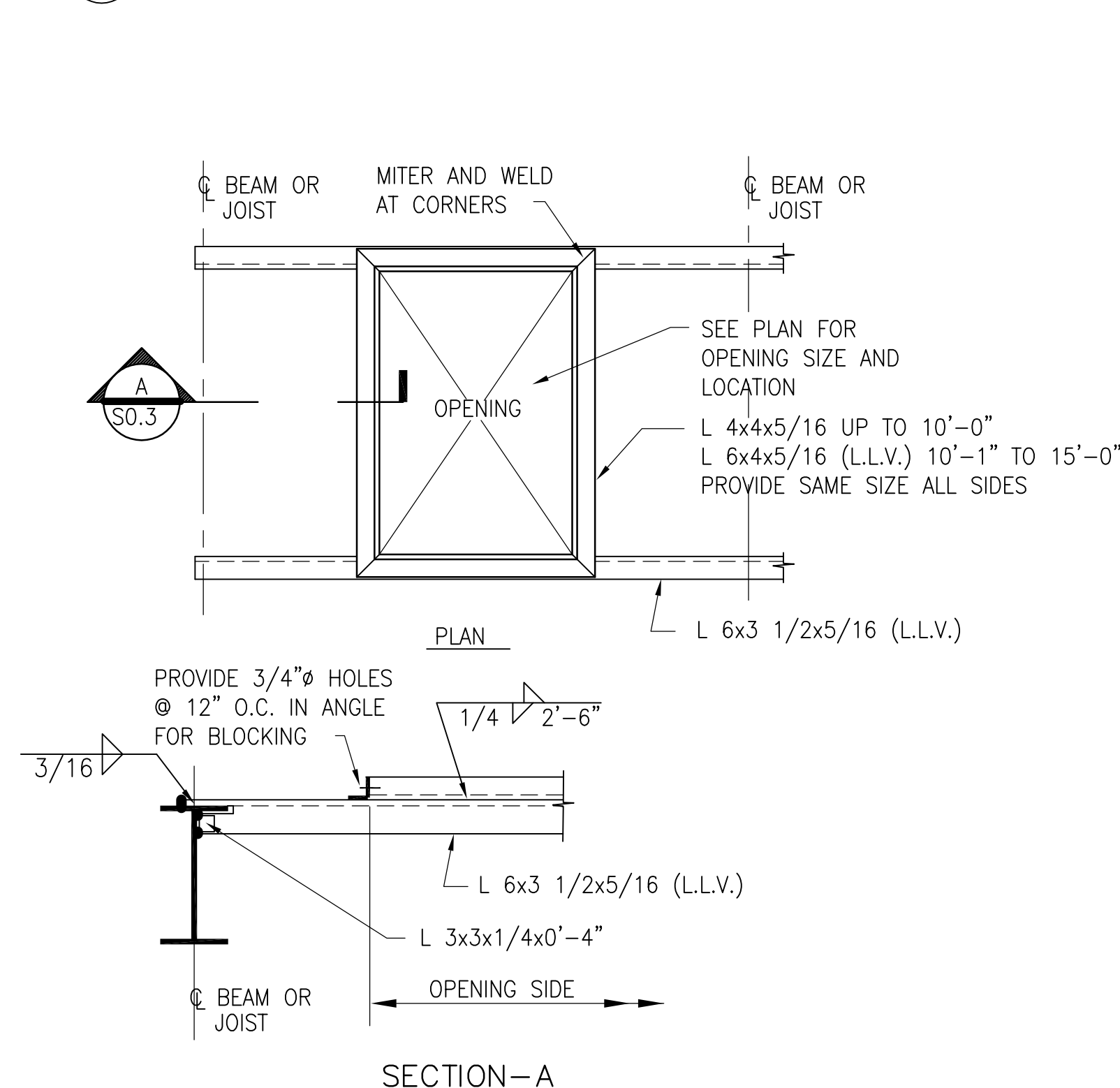
CMU OPENING REINF. SCHEDULE								
W	"A" BARS		"B" BARS		"C" BARS		# CELLS TO GROUT NOTE 3	
	6" CMU	8" CMU	6" CMU	8" CMU	6" CMU	8" CMU	6" CMU	8" CMU
≤ 2'-0"	1-#5	1-#5	1-#5	1-#5	1-#5	1-#5	ONE	ONE
> 2'-0" ≤ 6'-0"	1-#5	2-#5	1-#5	1-#5	1-#5	1-#5	ONE	ONE
> 6'-0" ≤ 8'-0"	1-#6	2-#6	1-#5	2-#5	1-#5	2-#5	TWO	TWO
> 8'-0" ≤ 10'-0"	1-#7	2-#7	1-#6	2-#6	1-#5	2-#5	THREE	THREE
> 10'-0"	SEE DRAWINGS							

**NOTES:**

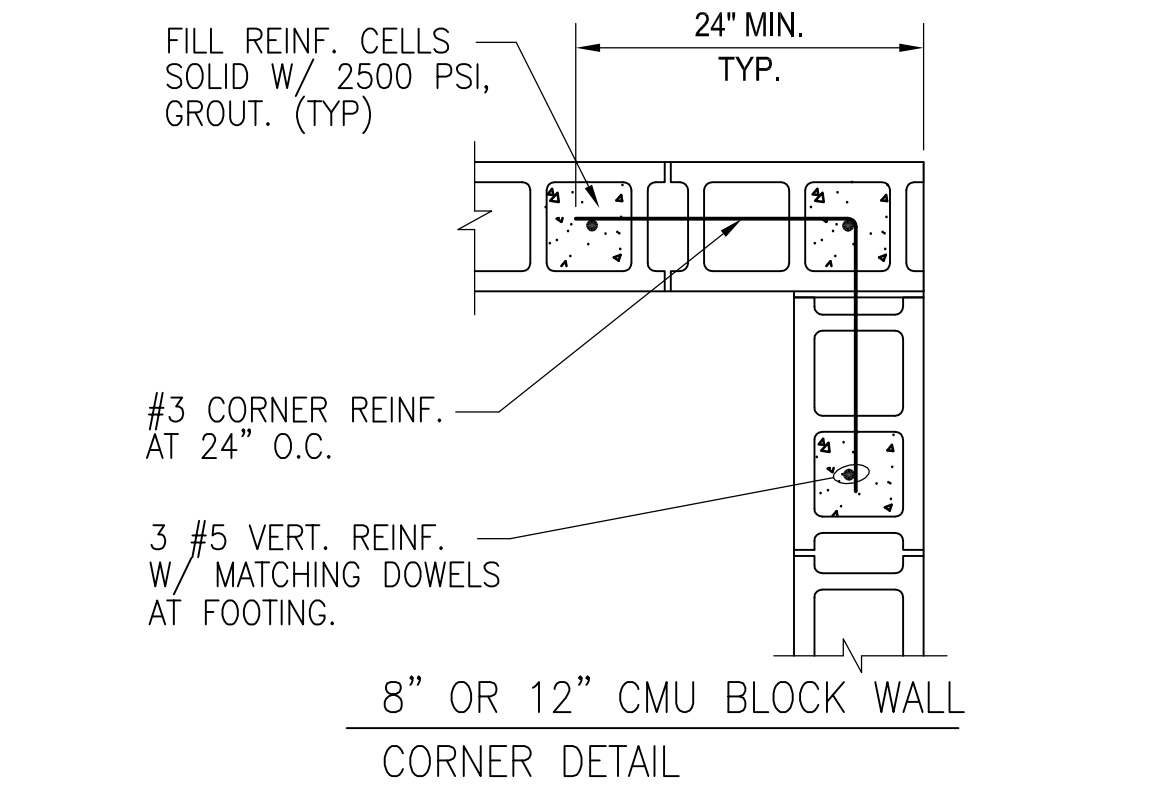
- EXTEND "C" BARS 2'-0" MINIMUM BEYOND TOP AND BOTTOM OF OPENING EXCEPT THAT WHEN "H" OR "W" EXCEEDS 2'-0", "C" BARS SHALL EXTEND FULL HEIGHT.
- "A" AND "B" BARS SHALL EXTEND 2'-0" EACH SIDE OF THE OPENING. GROUT TO END OF BARS.
- SEE SCHEDULE FOR NUMBER OF CELLS TO GROUT ON EACH SIDE OF THE OPENING.
- GROUT ALL CELLS OVER OPENING TO W/2 OR 2'-0" WHICHEVER IS GREATER UNLESS TOP OF WALL IS REACHED FIRST.



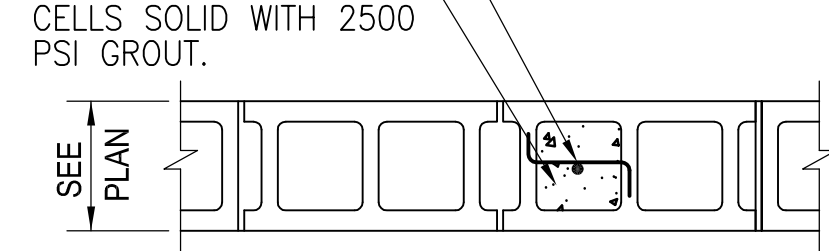
**A TYP. CMU OPENING REINFORCING**  
Scale: N.T.S.



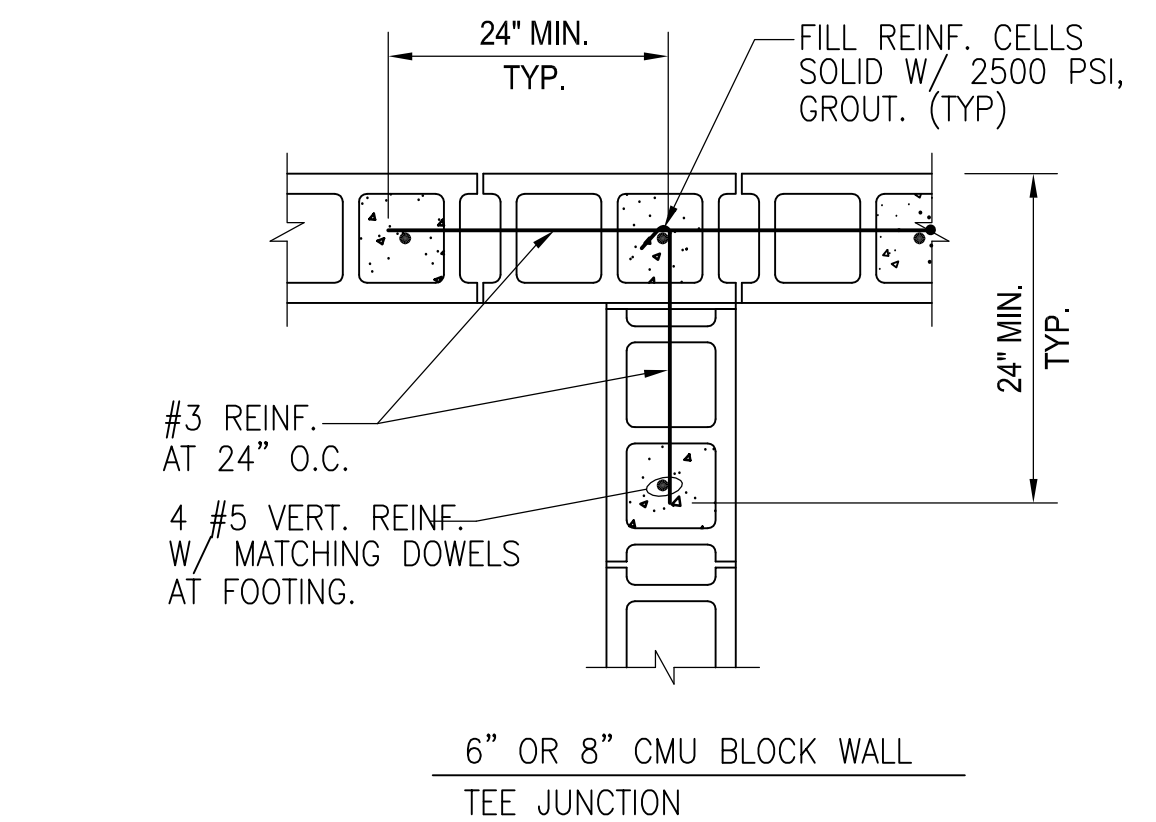
**F OPENING IN STEEL ROOF DECK**  
Scale: N.T.S.



VERTICAL WALL REINFORCING TO BE SUPPORTED AT 192 VERTICAL BAR DIAMETERS, NOT TO EXCEED 10'-0" O.C. BY 1#9 GAUGE TIE WITH 2" HOOKS INTO MORTAR JOINTS.



NOTE: WEBS AROUND CELLS CONTAINING GROUT ARE BEDDED UNLESS THE ENTIRE WALL IS GROUTED.



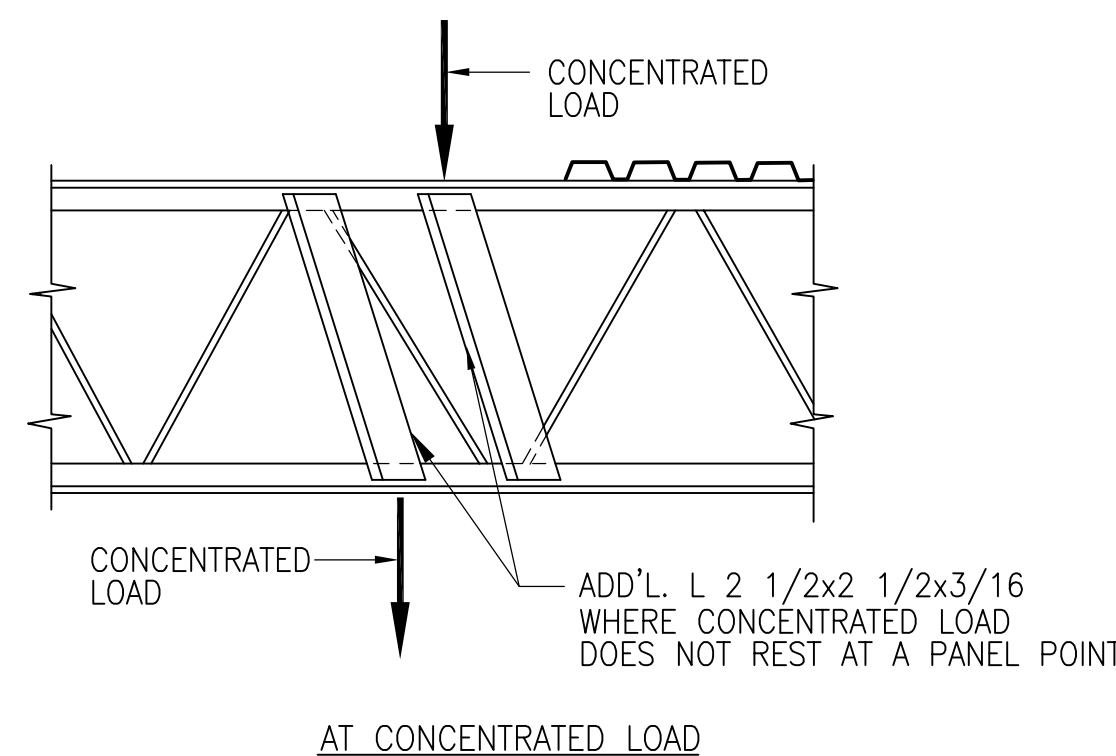
**B TYP. CMU WALL REIN.**  
Scale: N.T.S.

LINTEL SCHEDULE				
STEEL (SEE NOTES BELOW SCHEDULE)				
NON-LOAD BEARING				
OPENING WIDTH	BRICK W/AIR SPACE SEE ARCH.		BRICK W/ NO AIR SPACE SEE ARCH.	
	MIN.	MAX.		
3'-0"	3'-0"	L6x3 1/2x5/16"(LLH)	L3 1/2x3 1/2x1/4"	
5'-0"	5'-0"	L6x3 1/2x5/16"(LLH)	L3 1/2x3 1/2x1/4"	
7'-0"	7'-0"	L6x3 1/2x5/16"(LLH)	L3 1/2x3 1/2x1/4"	
9'-0"	9'-0"	L6x4x5/16" (LLH)	L4x3 1/2x5/16"(LLV)	
11'-0"	11'-0"	L6x6x5/16"	L6x3 1/2x5/16"(LLV)	

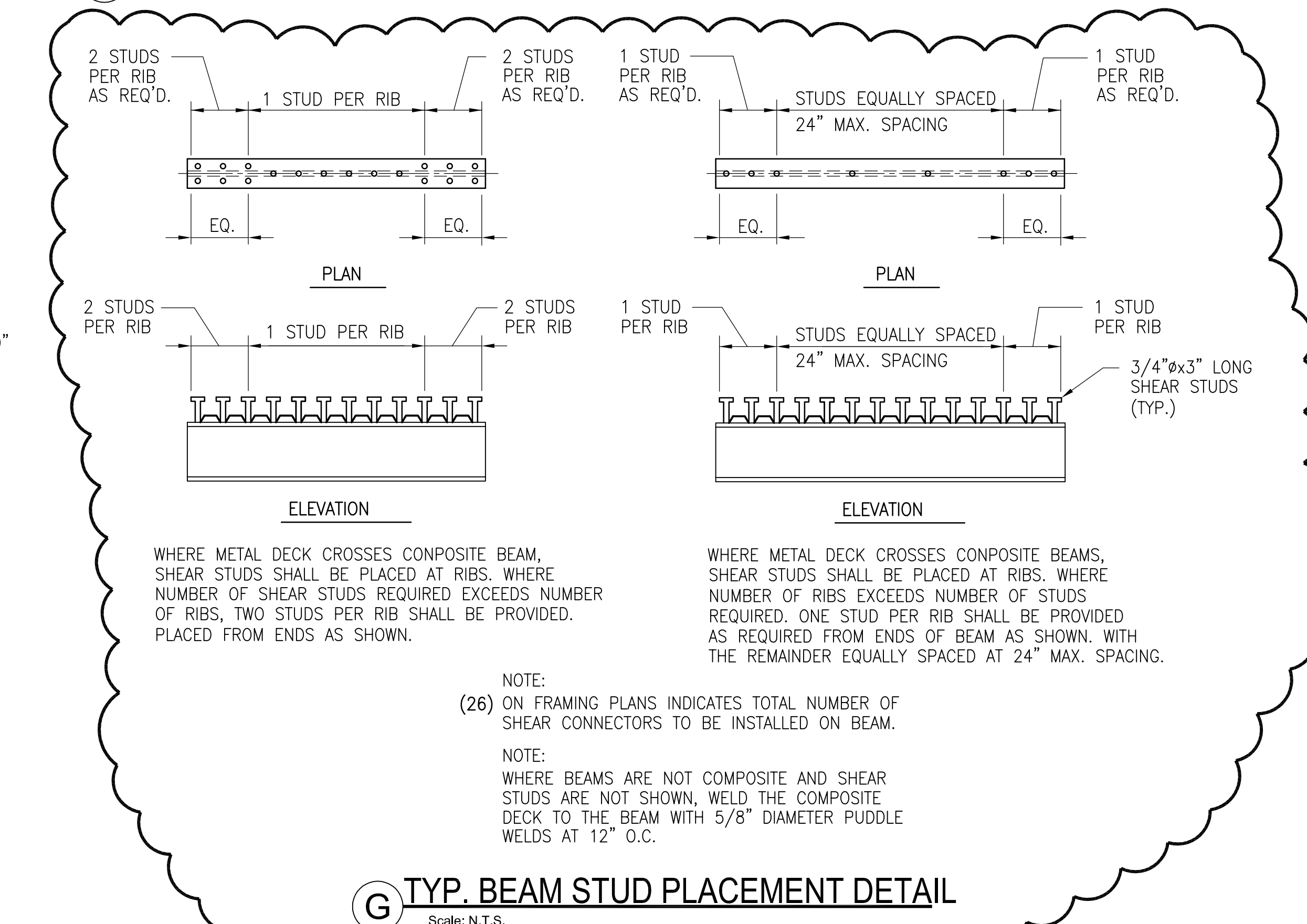
**NOTE:**

- ALL LINTELS AT EXTERIOR WALLS AND AT INTERIOR WALLS SHALL BE GALVANIZED.
- ALL LINTELS REQUIRE A MINIMUM OF 8" OF BEARING EA. END STEEL ANGLE LINTELS SPANNING 7'-0" AND GREATER SHALL BE BOLTED TO MASONRY LINTEL WITH 1/2" EXP. ANCHOR @ 2'-4" O.C. WITH A MIN. OF 3 1/4" EMBED. LOC CENTER HOLE 1 1/4" FROM TOP ANGLE LEG.

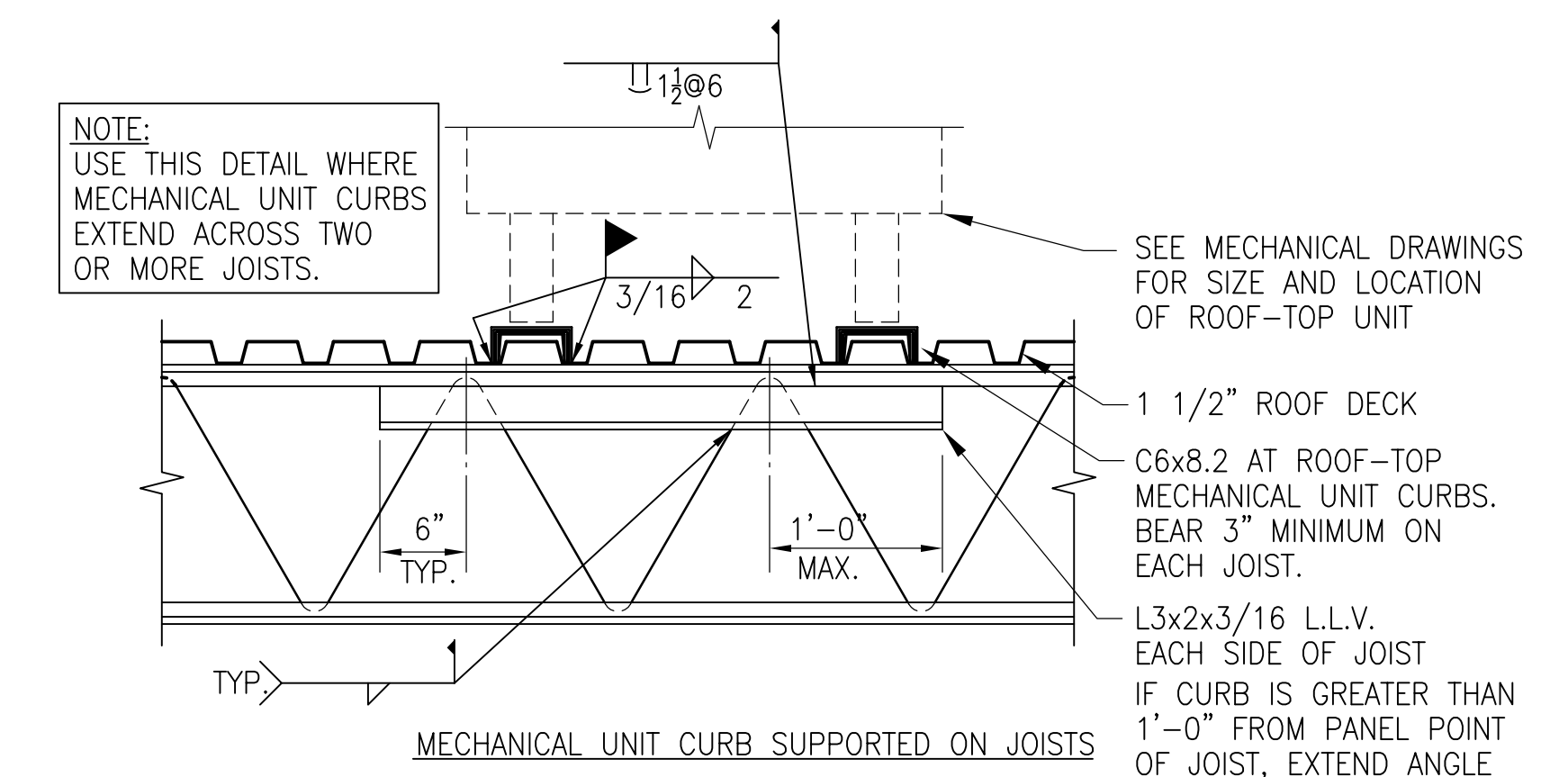
**C LINTEL SCHEDULE**  
Scale: N.T.S.



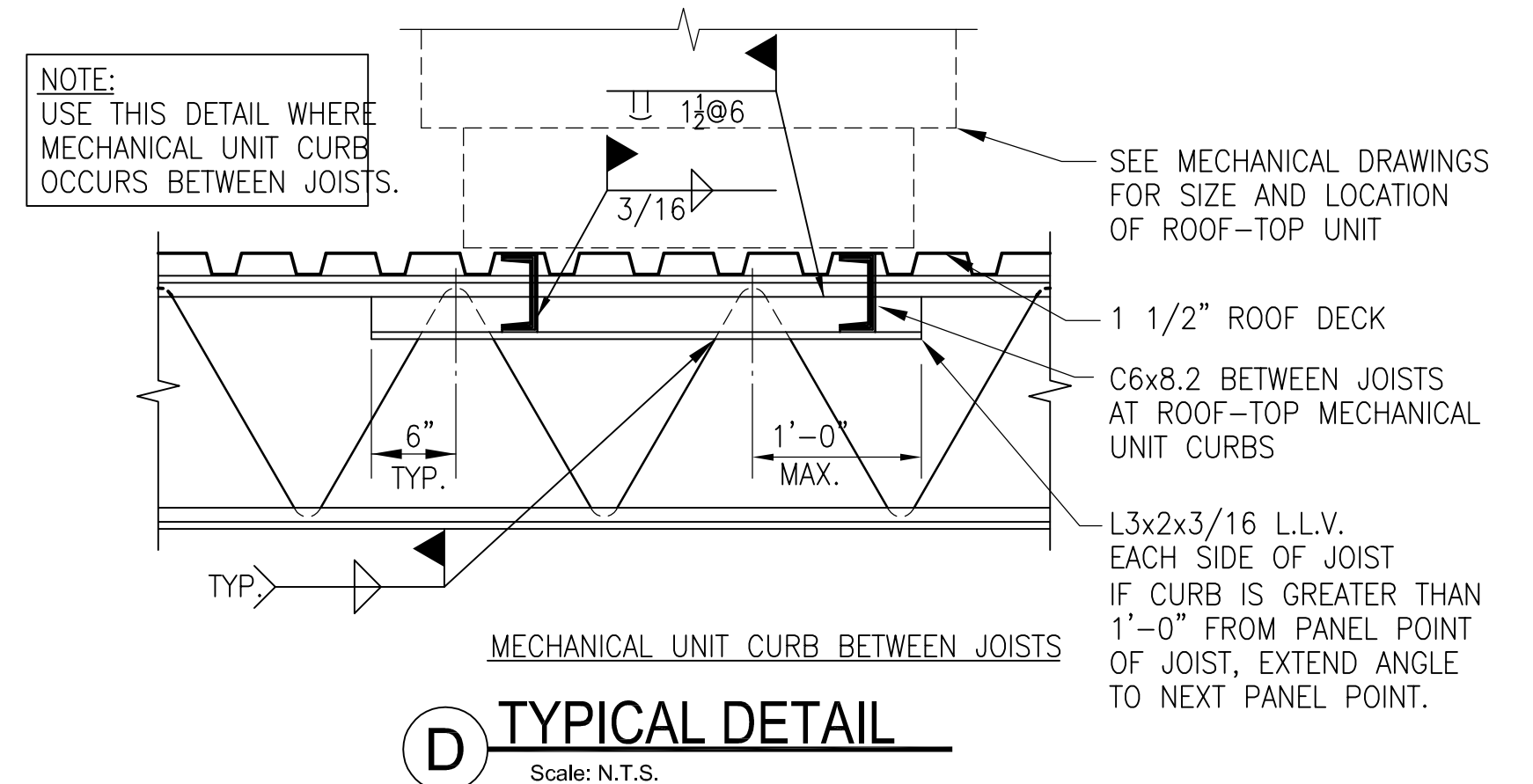
**E REIN. BAR JOIST DETAIL**  
Scale: N.T.S.



**G TYP. BEAM STUD PLACEMENT DETAIL**  
Scale: N.T.S.



**D TYPICAL DETAIL**  
Scale: N.T.S.



**D TYPICAL DETAIL**  
Scale: N.T.S.

REVISIONS

NO.	DESCRIPTION	DATE
1	GENERAL	11/7/19

TYPICAL DETAILS

**DEKALB COUNTY FIRE STATION**

No. 7

1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

**BROWN DESIGN GROUP**

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3099 WASHINGTON ROAD, EAST POINT, GA 30344

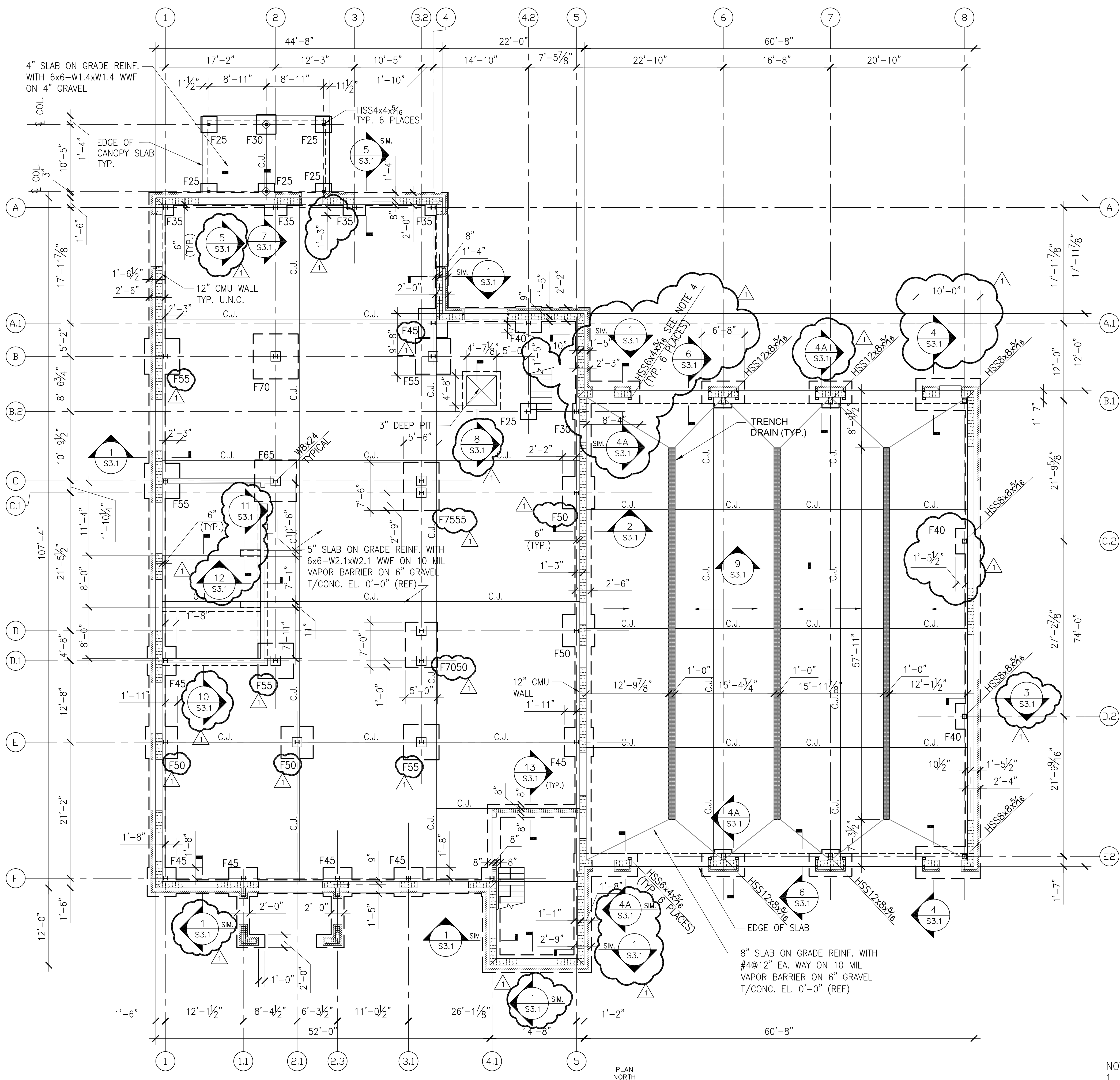
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SHEET

**S0.4**





**FOUNDATION PLAN**  
Scale: 1/8"=1'-0"

- NOTES:
- SEE SHEET S0.1 FOR GENERAL NOTES.
  - SEE SHEET S0.2 FOR SPECIAL INSPECTION NOTES.
  - SEE SHEET S0.3 FOR TYPICAL DETAILS.
  - PROVIDE BASE PLATE 1/2" WITH 2 3/4" KWIK BOLTS UNDER HSS 6x4.
  - TOP OF FOOTING EL. -1'-4" UNLESS NOTED OTHERWISE.

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1	GENERAL	11/7/19



**FOUNDATION PLAN**  
**DEKALB COUNTY FIRE STATION**  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

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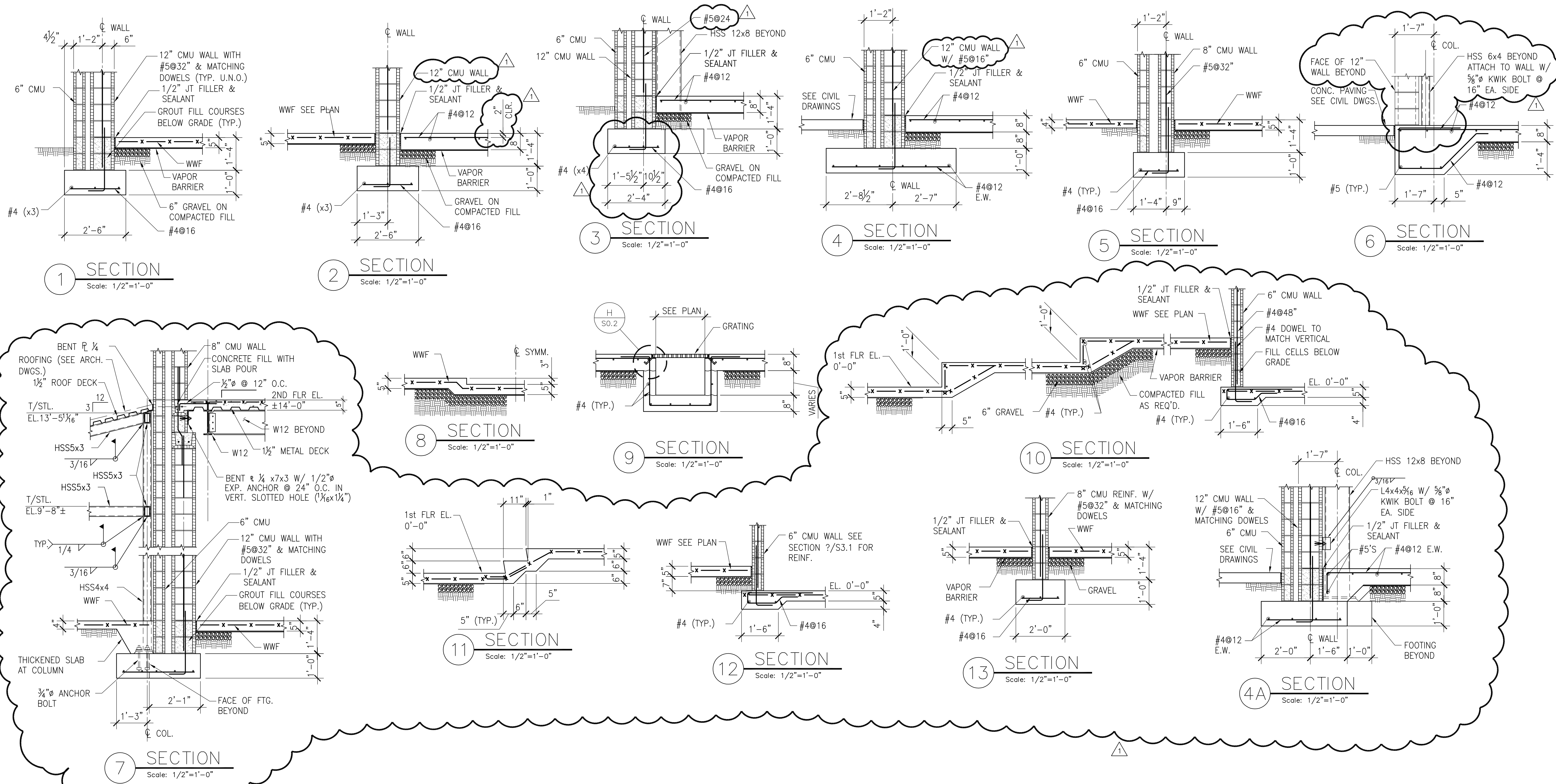
SECTIONS AND DETAILS  
**DEKALB COUNTY FIRE STATION**  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

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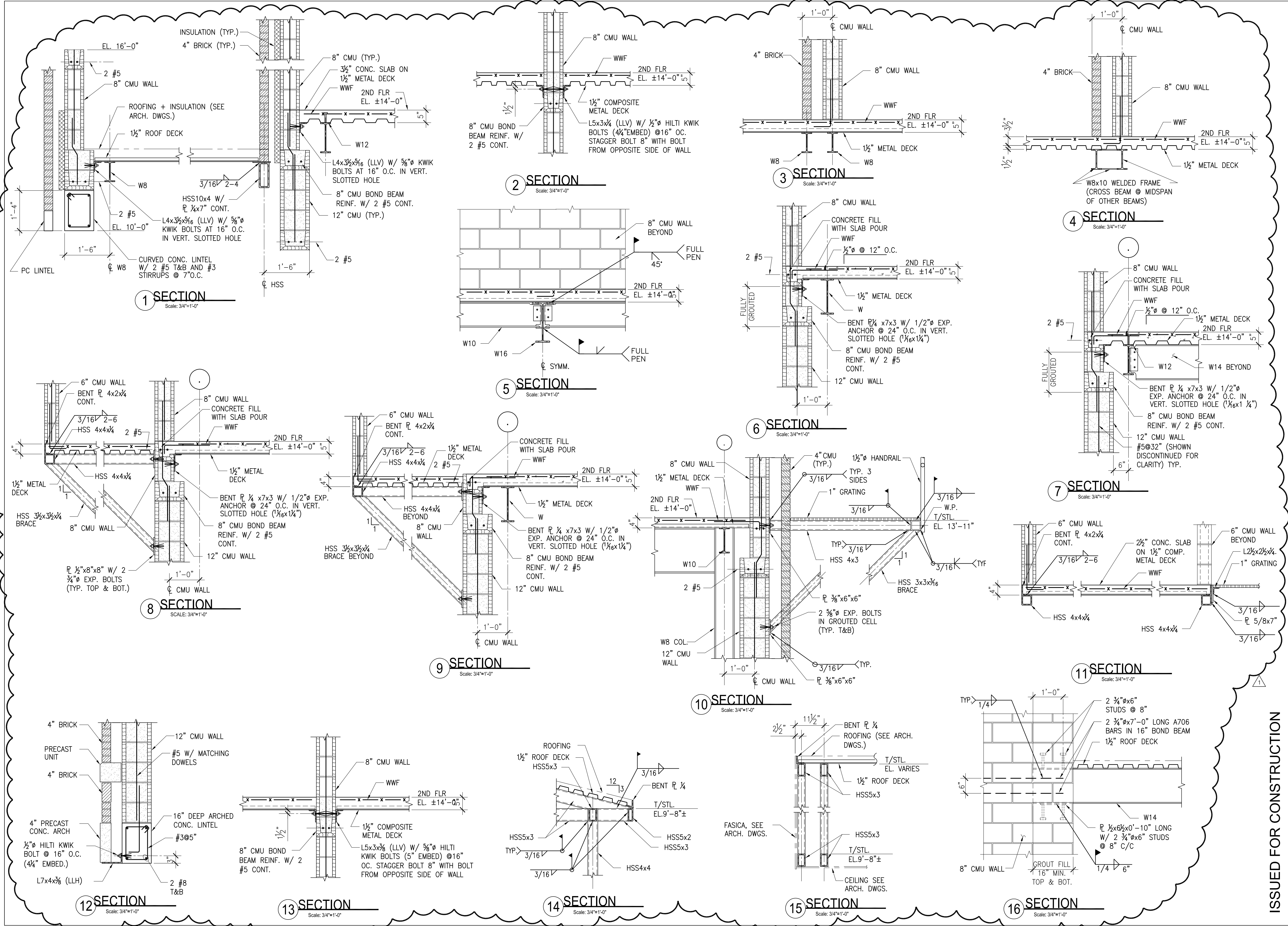
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1 GENERAL 11/7/19

REGISTERED PROFESSIONAL ENGINEER  
No. PE5371  
BASIL A. M. SMITH

SECTIONS AND DETAILS  
DEKALB COUNTY FIRE STATION  
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1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

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S3.2

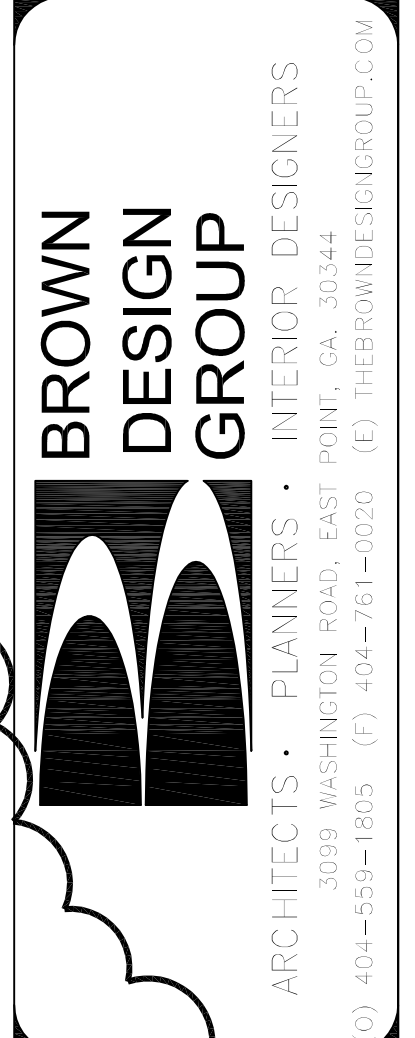
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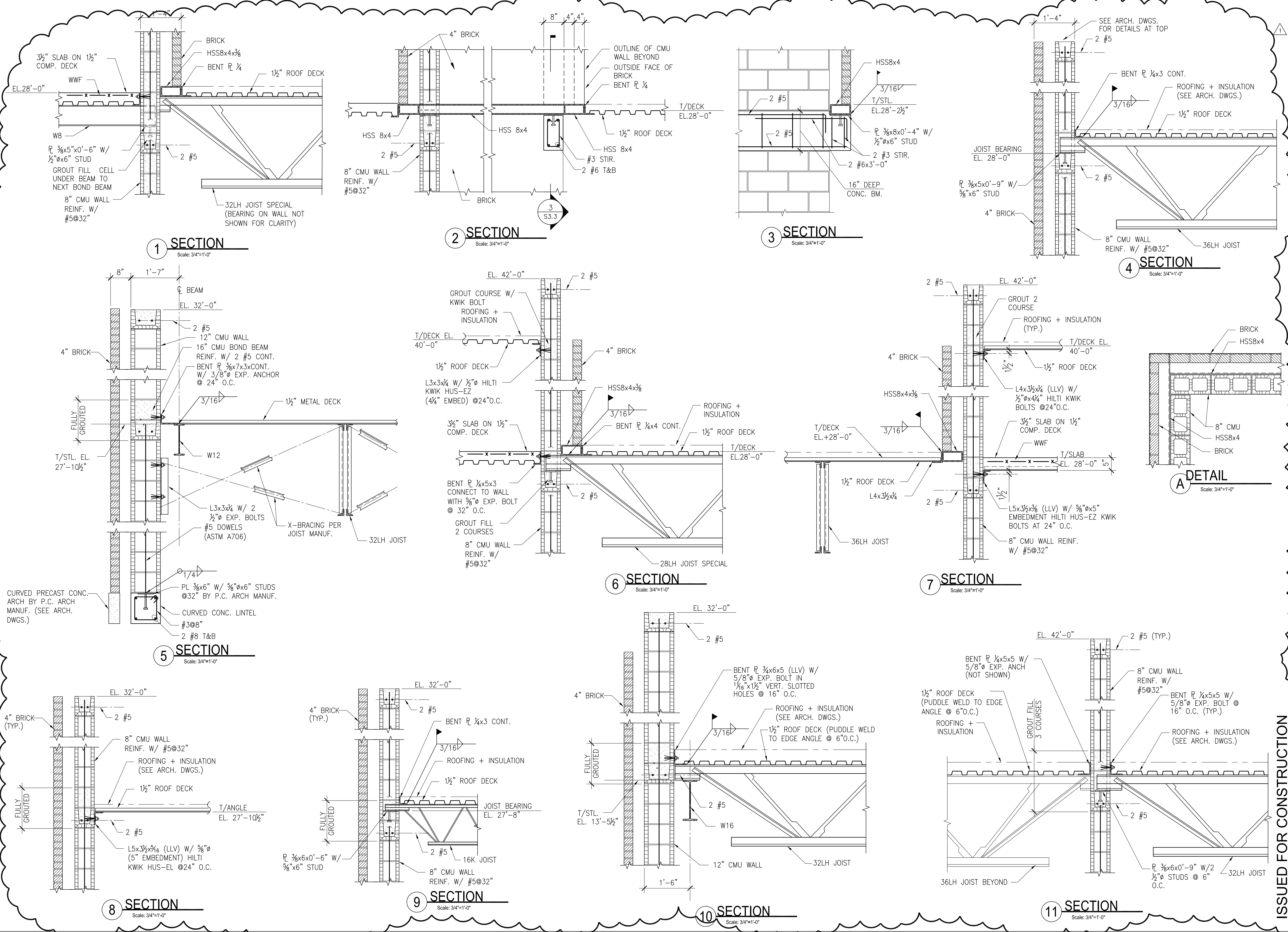
SECTIONS AND DETAILS  
 DEKALB COUNTY FIRE STATION  
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S3.3





**PROJECT CLOSEOUT:**

**CLOSE OUT DOCUMENTATION:**

CONTRACTOR IS REQUIRED TO SUBMIT PROJECT RECORDS, PRODUCT INFO, WARRANTIES AND OTHER DOCUMENTATION IN HARD COPY AND ELECTRONIC FORMAT AS NEEDED FOR PROJECT CLOSEOUT.

**ADMINISTRATIVE ACTIONS AND SUBMITTALS:**

**REF SPECIFICATION SECTION 01250 APPLICATION FOR PAYMENT AND BELOW REQUIREMENTS:**

ADMINISTRATIVE ACTIONS AND SUBMITTALS, THAT MUST PRECEDE OR COINCIDE WITH SUBMITTAL OF FIRST APPLICATION FOR PAYMENT, INCLUDE BUT ARE NOT LIMITED TO THE FOLLOWING:

1. A SITE SPECIFIC SAFETY PLAN PER OSHA REQUIREMENTS
2. SCHEDULE OF VALUES
3. SUBMITTAL REGISTRY
4. CONTRACTORS CONSTRUCTION SCHEDULE
5. INSURANCE AND BONDS
6. ALL REQUIRED UPFRONT PERMITS

**TEMPORARY FACILITIES:**

**REF SPECIFICATION SECTION 01500 TEMPORARY FACILITIES AND CONTROLS AND BELOW REQUIREMENTS:**

CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY BARRIER. TEMPORARY BARRIER SHALL BE 6' HIGH CHAIN LINK FENCE PER OSHA STANDARDS AND REQUIREMENTS.

CONTRACTOR SHALL PROVIDE THE FOLLOWING TEMPORARY UTILITIES AS NEEDED FOR WORK, BUT NOT LIMITED TO: HEAT, WATER, ELECTRICAL, AND TELEPHONE .

CONTRACTOR SHALL PROVIDE FIELD OFFICE BUILDING ADEQUATE FOR HOLDING PROJECT MEETINGS

CONTRACTOR SHALL PROVIDE AND MAINTAIN SANITARY FACILITIES

CONTRACTOR SHALL RESTRICT ACCESS TO WORK AND IS FULLY RESPONSIBLE FOR SECURITY

**TESTING AND INSPECTIONS:**

**REF SPECIFICATION SECTION 01400 QUALITY CONTROL AND BELOW REQUIREMENTS:**

CONTRACTOR SHALL BE RESPONSIBLE TO ENGAGE A THIRD PARTY INDEPENDENT TESTING COMPANY QUALIFIED TO PERFORM ALL TESTING AND INSPECTIONS REQUIRED FOR WORK, INCLUDING SPECIAL INSPECTIONS

**GENERAL NOTES:**

1. CONTRACTOR SHALL VISIT SITE PRIOR TO BID TO FAMILIARIZE THEMSELV WITH THE BUILDING AND IT'S CONSTRAINTS.

2. INTERPRETATION OF CONFLICTS: SHOULD CONFLICTS OCCUR IN THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REQUEST INTERPRETATION BEFORE PROCEEDING WITH THE WORK. ALL SUCH REQUESTS SHALL FIRST BE PRECEDED BY A DILIGENT INVESTIGATION INTO THE CONTRACT DOCUMENTS. EVIDENCE OF SUCH INVESTIGATIONS SHALL BE CONTAINED IN ALL SUCH REQUESTS FOR FAILURE TO CARRY OUT THE WORK IN A SATISFACTORY MANNER. SHOULD CONFLICTS OCCUR IN AND/OR BETWEEN DRAWINGS AND/OR SPECIFICATIONS, THE CONTRACTOR IS DEEMED TO HAVE ESTIMATED ON THE MORE EXPENSIVE WAY OF DOING THE WORK UNLESS HE/SHE SHALL HAVE ASKED FOR, AND OBTAINED WRITTEN INTERPRETATION AND DECISION BEFORE SUBMISSION OF HIS/HER BID. AS TO WHICH MATERIAL AND METHOD WILL BE REQUESTED.

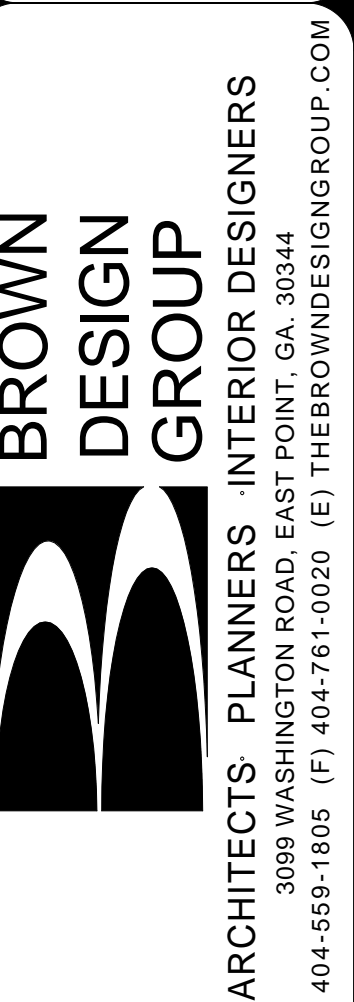
3. THOROUGHLY REVIEW CONSTRUCTION DOCUMENTS PRIOR TO BID. ALL BUILDING SYSTEMS (UTILITIES, MECHANICAL, ELECTRICAL, PLUMBING, ETC.) ARE PART OF THE WORK AND SHALL BE CONSTRUED AS THE CONTRACTORS RESPONSIBILITY TO PROVIDE ALL COST FOR THE WORK IN THE BID. THE WORK INCLUDES THE BUILDING SYSTEMS INDICATED OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS. HOWEVER, SHOULD A SPECIFIC PART AND/OR MATERIAL OF THE BUILDING SYSTEMS NOT BE INDICATED, WHICH IS INTEGRAL TO THE BUILDING SYSTEM OPERATING AS IT IS INTENDED, THEN THE CONTRACTOR SHALL AT MINIMUM PROVIDE IN THEIR BID, MEDIUM GRADE INDUSTRY STANDARD PARTS AND/OR MATERIALS (CONSISTENT WITH DESIGN INTENT) AND INCLUDE ALL LABOR IN ORDER PROVIDE A FINAL COMPLETE WORKING BUILDING SYSTEM, SUCH THAT IT SHALL OPERATE AS INTENDED.

**BID INFORMATION:**

1. CONTRACTOR SHALL PROVIDE ALL LOW VOLTAGE ELECTRICAL CONDUIT AND BOXES. REFERENCE SECTION 01450. FINAL LOCATIONS SHALL BE COORDINATED WITH IT/OWNER'S REPRESENTATIVE.

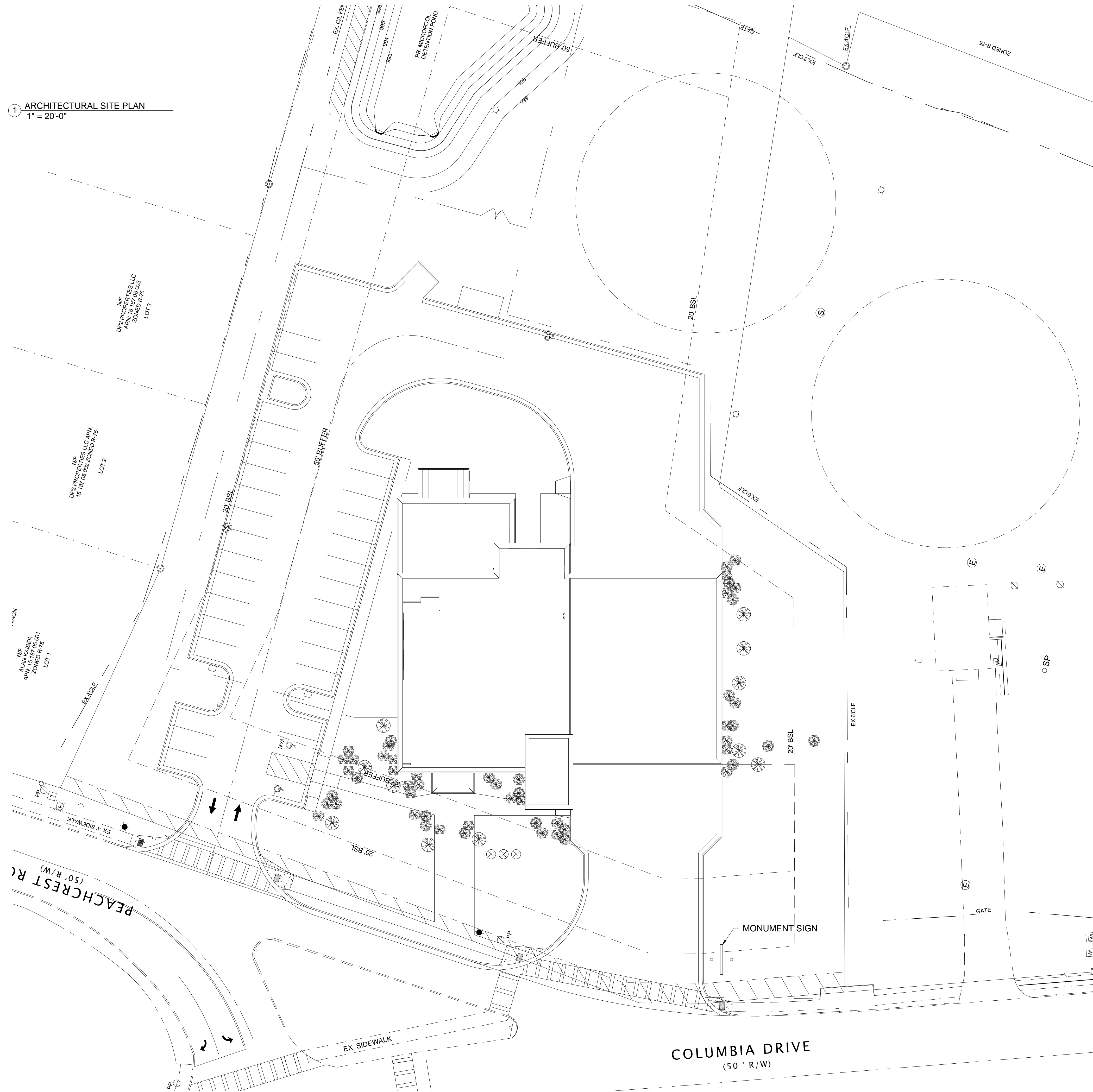
**ABBREVIATION LEGEND**

ABBR	DEFINITION	ABBR	DEFINITION
AB	ANCHOR BOLT	MDF	MEDIUM DENSITY FIBERBOARD
ACI	AMERICAN CONCRETE INSTITUTE	MECH	MECHANICAL
AFF	ABOVE FINISHED FLOOR	MFR	MANUFACTURER
AHU	AIR HANDLING UNIT	MIN	MINIMUM
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION	MISC	MISCELLANEOUS
ARCH	ARCHITECTURAL	MO	MASONRY OPENING
ASTM	AMERICAN SOCIETY OF TESTING AND MATERIALS	MTL	METAL
AWS	AMERICAN WELDING SOCIETY	NIC	NOT IN CONTRACT
BD	BOARD	NRP	NON-FIBERGLASS REINFORCED PLASTIC
BFF	BELOW FINISHED FLOOR	NO	NUMBER
BL	BLOCK LINTEL	NS	NEAR SIDE
BLDG	BUILDING	NTS	NOT TO SCALE
BO	BOTTOM OF	OC	ON CENTER
BOS	BOTTOM OF STEEL OR BOTTOM OF STUD	OCH	ON CENTER HORIZONTALLY
BTM	BOTTOM	OCV	ON CENTER VERTICALLY
BRG	BEARING	OD	OUTSIDE DIAMETER
BRK	BRICK	OH	OPPOSITE HAND
CJ	CONTROL JOINT	PCF	POUNDS PER CUBIC FOOT
CL	CENTERLINE	PLAM	PLASTIC LAMINATE
CLR	CLEAR	PL	PLATE
CMU	CONCRETE MASONRY UNIT	PLF	POUNDS PER LINEAR FOOT
COL	COLUMN	PMEJ	PREMOLDED EXPANSION JOINT
CONC	CONCRETE	PT	PRESSURE TREATED
CONST	CONSTRUCTION	PSF	POUNDS PER SQUARE FOOT
CONT	CONTINUOUS	PSI	POUNDS PER SQUARE INCH
DIA	DIAMETER	PS	PROTECTIVE SURFACING
DS	DOWNSPOUT	PVC	POLYVINYL CHLORIDE
EAS	EMERGENCY ACCESS SYSTEM	QTY	QUANTITY
EDC	ELECTRICAL DISTRIBUTION CENTER	REF	REFER TO
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM	REINF	REINFORCING
EJ	EXPANSION JOINT	REQD	REQUIRED
EL	ELEVATION	REV	REVERSE
ELEC	ELECTRICAL	RO	ROUGH OPENING
EQ	EQUAL	RTU	ROOF TOP UNIT
ES	EQUIPMENT SUPPLIER	SCHED	SCHEDULE
EW	EACH WAY	SDI	STEEL DECK INSTITUTE
EXT	EXTERIOR	SIM	SIMILAR
FDN	FOUNDATION	SJI	STEEL JOIST INSTITUTE
FF	FINISHED FLOOR	SP	SPACES
FS	FAR SIDE	SPECS	SPECIFICATIONS
FTG	FOOTING	SS	STAINLESS STEEL
FV	FIELD VERIFY	STRUC	STRUCTURAL
GA	GAUGE	T&B	TOP AND BOTTOM
GC	GENERAL CONTRACTOR	THK	THICKNESS
GYP	GYPSON BOARD	TO	TOP OF
H	HEIGHT	TOC/TC	TOP OF CONCRETE
HORIZ	HORIZONTAL	TOF	TOP OF FOOTING
HSA	HEADED STUD ANCHOR	TOGB	TOP OF GRADE BEAM
HSS	HOLLOW STRUCTURAL SECTION	TOM	TOP OF MASONRY
INFO	INFORMATION	TOP/TP	TOP OF PAVING
ISO	ISOLATION	TOS	TOP OF STEEL OR TOP OF STUD
JBE	JOIST BEARING ELEVATION	TRANS	TRANSVERSE
JST	JOIST	WD	WOOD
JT	JOINT	TYP	TYPICAL
KSI	KIPS PER SQUARE INCH	UNO	UNLESS NOTED OTHERWISE
L	LENGTH	VERT	VERTICAL
LB	POUNDS	VTR	VENT THROUGH ROOF
LONG	LONGITUDINAL	W	WIDTH
MAX	MAXIMUM		





1 ARCHITECTURAL SITE PLAN  
1" = 20'-0"



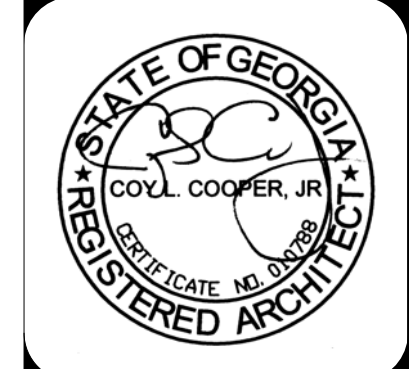
GENERAL SHEET NOTES

1. ARCHITECTURAL FINISH FLOOR SHOWN AS: 0'-0" = CIVIL FINISH FLOOR: 999'-0"

SHEET NOTES

1. ALL CONCRETE STOOPS SHALL SLOPE 2% MAX AWAY FROM THE BUILDING
2. ALL EXTERIOR SIDEWALK JOINTS SHALL BE FILLED
3. PROVIDE (2) TWO 1 INCH CONDUIT, FOR DATA AND POWER, FROM MONUMENT SIGN TO IT ROOM INSIDE BUILDING FOR FUTURE DIGITAL DISPLAY SIGNAGE

NO.	DESCRIPTION	DATE



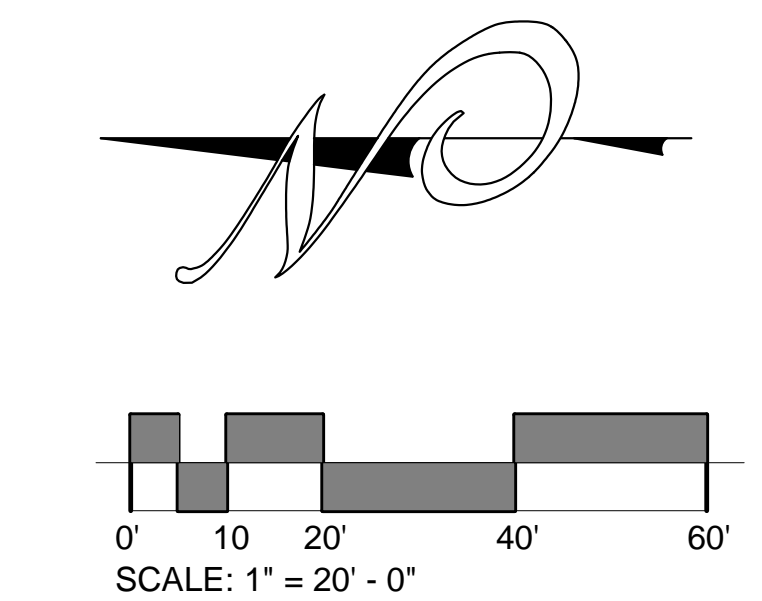
ARCHITECTURAL SITE PLAN  
DEKALB COUNTY FIRE STATION  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

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DRAWN:	CC, RR
SCALE:	As Indicated
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PRINT DATE:	9/20/2019 11:27:31 AM
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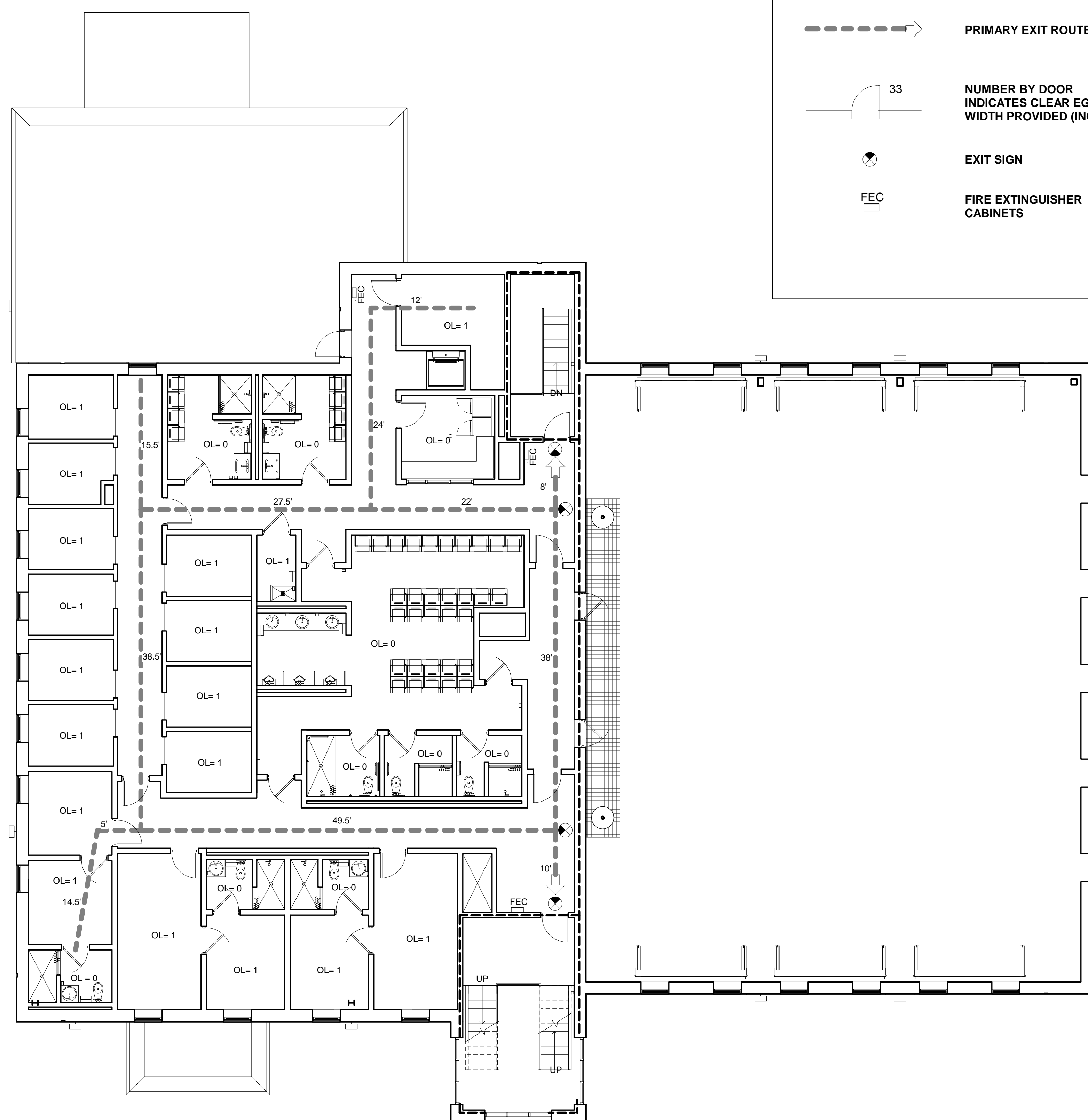
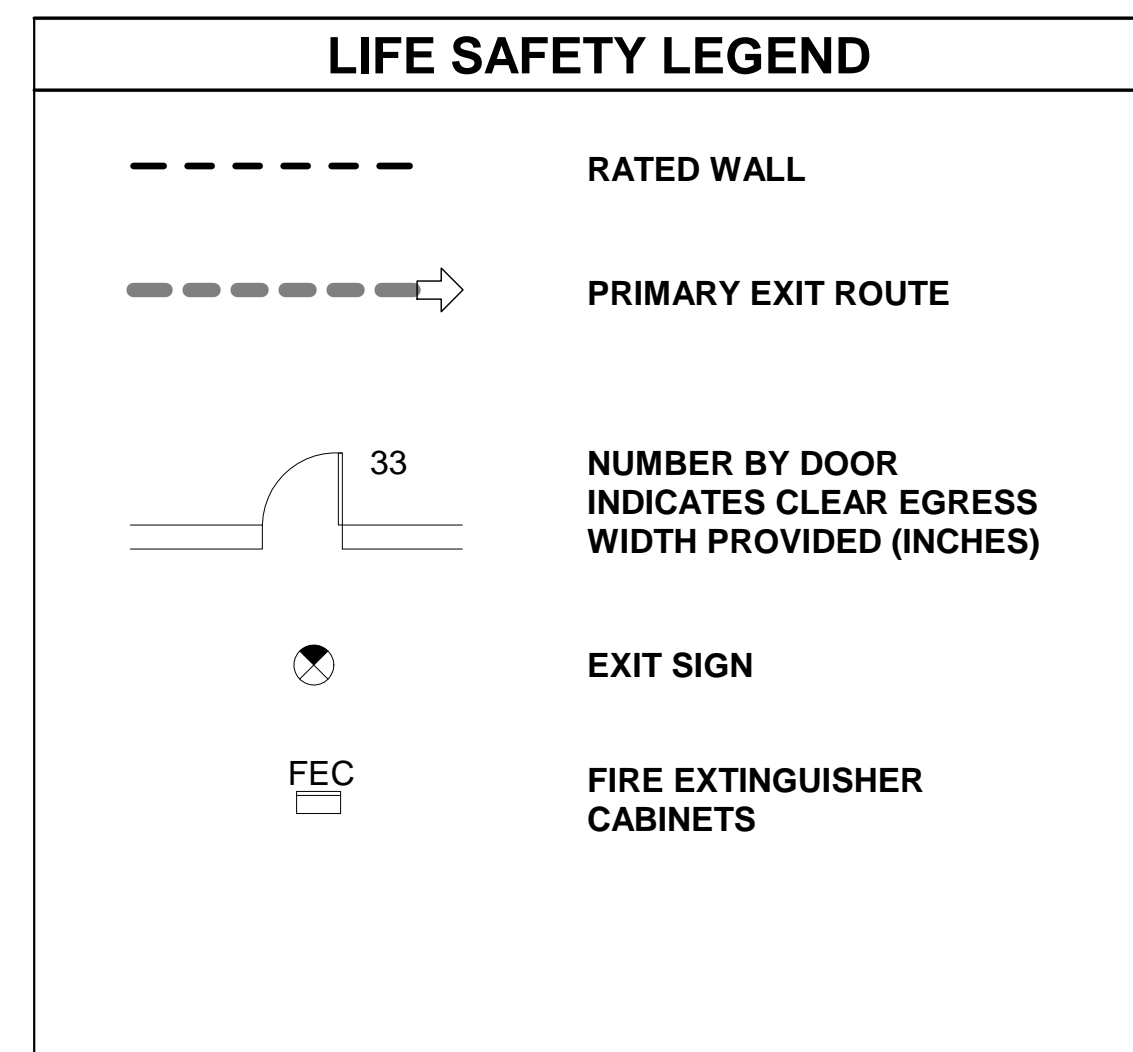
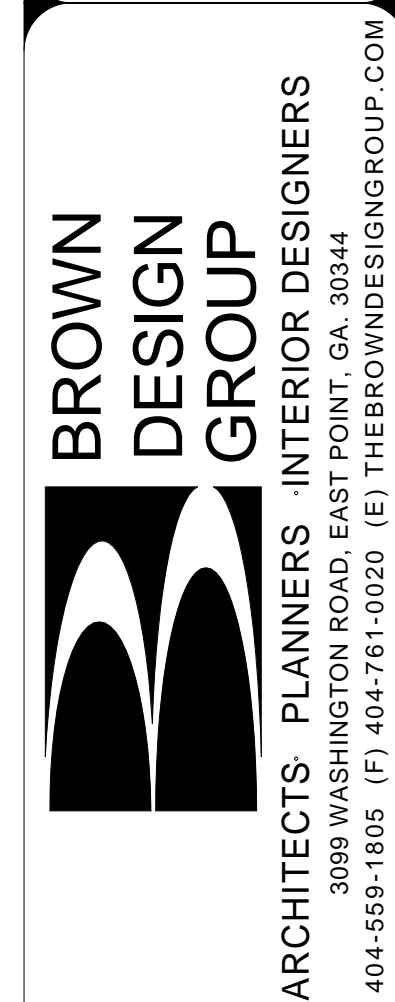
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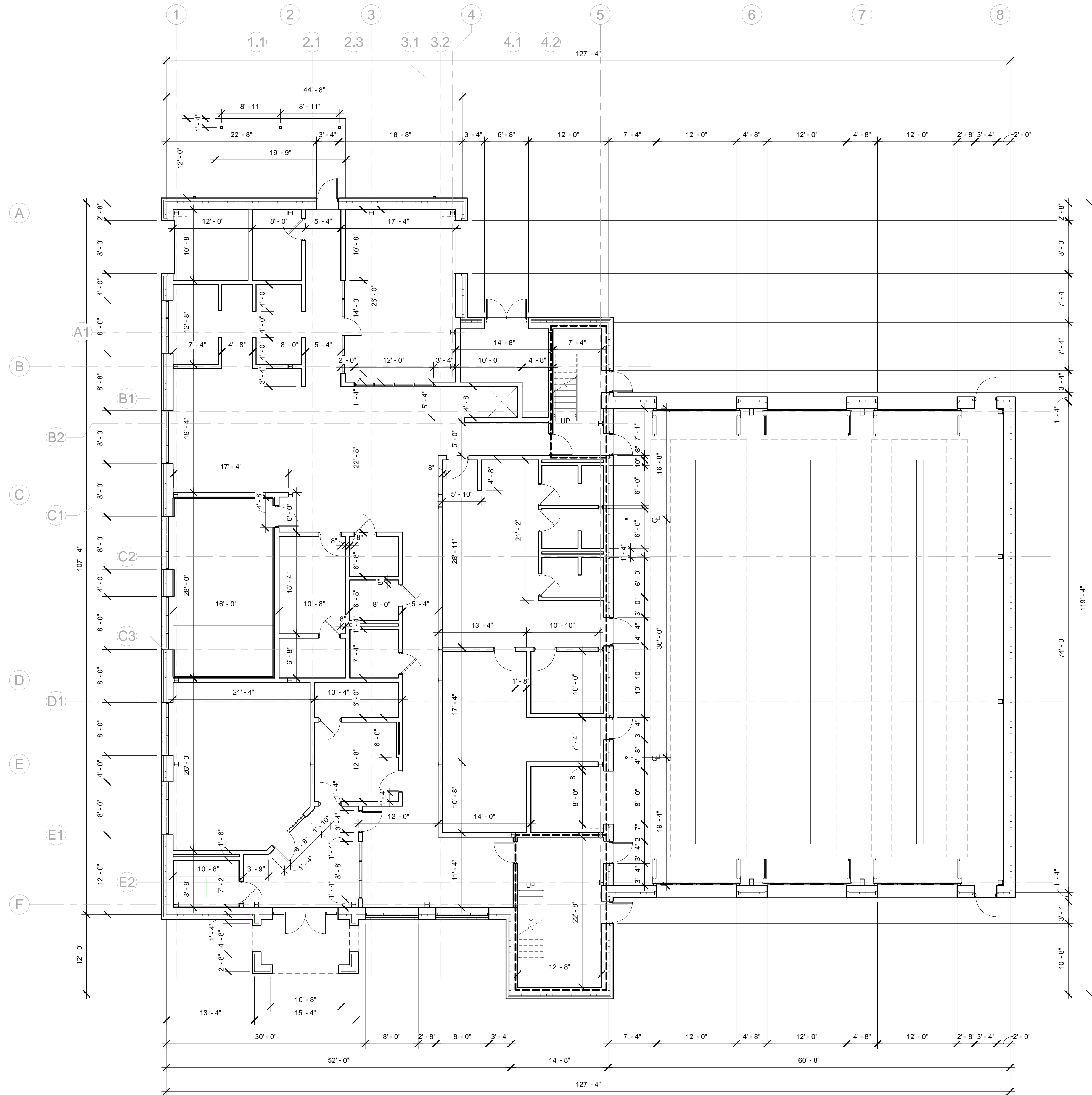
### OCCUPANT LOAD CALCULATION

FUNCTION OF SPACE	FLOOR AREA PER OCCUPANT	CALCULATION: FLOOR AREA / FLOOR AREA PER OCCUPANT	OCCUPANT LOAD
<b>ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM</b>	<b>300</b>		
MECH - RM 15		129 SF / 300 =	1
MECH - RM 216		117 SF / 300 =	1
LAUNDRY - RM 112A		476 SF / 300 =	1
LAUNDRY - RM 218		112 SF / 300 =	1
JANITORS CL - RM 105		55 SF / 300 =	1
IT - RM 106		35 SF / 300 =	1
EMS STORAGE - RM 103B		68 SF / 300 =	1
PANTRY STORAGE		230 SF / 300 =	1
STORAGE - RM 13		121 SF / 300 =	1
STORAGE - RM 107B		60 SF / 300 =	1
RISER - RM 14		78 SF / 300 =	1
TURNOUT GEAR - RM 113A			0
TURNOUT GEAR - RM 113B			0
<b>ASSEMBLY (UNCONCENTRATED)</b>	<b>15</b>		
DINING - RM 110		604 SF / 15 =	40
LOUNGE - RM 108		419 SF / 15 =	27
MULTI-PURPOSE - RM 102		502 SF / 15 =	33
FITNESS RM - RM 102		432 SF / 15 =	28
<b>PARKING GARAGE</b>	<b>200</b>		
ENGINE BAY		4275 SF / 200 =	21
<b>BUSINESS AREAS</b>	<b>100</b>		
LOBBY - RM 10		175 SF / 100 =	1
WATCH OFFICE - RM 100		295 SF / 100 =	2
REST ROOM - RM 101			0
REST ROOM - RM 104			0
SHOWER - RM 112C			0
SHOWER - RM 112D			0
SHOWER - RM 112E			0
SHOWER - RM 201B			0
SHOWER - RM 201C			0
SHOWER - RM 201D			0
WOMENS LOCKER - RM 212			0
MENS LOCKER - RM 201A			0
UNISEX LOCKER - RM 214D			0
KITCHEN		360 SF / 100 =	3
TRIAGE - RM 103		150 SF / 100 =	1
OFFICE - RM 107		147 SF / 100 =	1
TURNOUT GEAR - RM 113A			0
TURNOUT GEAR - RM 113B			0
SHOP - RM 114		116 SF / 100 =	1
OFFICE - RM 200A		183 SF / 100 =	1
BUNK - RM 200B		103 SF / 100 =	1
RESTROOM - RM 200C			1
OFFICE - RM 202A		183 SF / 100 =	1
BUNK - RM 202B		103 SF / 100 =	1
RESTROOM - RM 202C			0
OFFICE - RM 203A		97 SF / 100 =	1
BUNK - RM 203B		97 SF / 100 =	1
RESTROOM - 203C			0
BUNK - RM 204		63 SF / 100 =	1
BUNK - RM 205		64 SF / 100 =	1
BUNK - RM 206		64 SF / 100 =	1
BUNK - RM 207		63 SF / 100 =	1
BUNK - RM 208		63 SF / 100 =	1
BUNK - RM 209		63 SF / 100 =	1
BUNK - RM 210		63 SF / 100 =	1
BUNK - RM 211		63 SF / 100 =	1
BUNK - RM 213		63 SF / 100 =	1
BUNK - RM 215		63 SF / 100 =	1
<b>TOTAL OCCUPANT LOAD</b>			<b>186</b>

1 2nd FLOOR LIFE SAFETY PLAN  
1/8" = 1'-0"

ISSUED FOR CONSTRUCTION





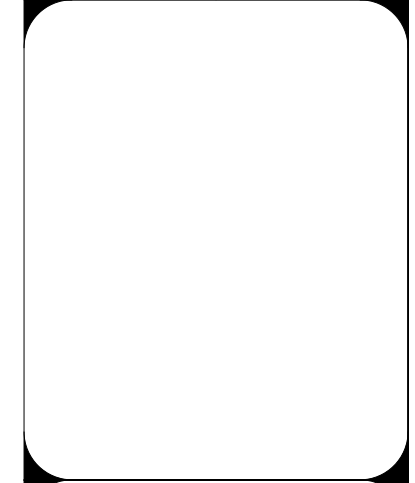
1 1st FLOOR PLAN  
1/8" = 1'-0"

- GENERAL SHEET NOTES**
1. CMU WALLS THAT DO NOT EXTEND TO DECK OR ABOVE CEILING HEIGHT SHALL BE PROVIDED WITH A SOLID TOP COURSE
  2. EXTEND ALL RATED WALLS TO BOTTOM OF DECK
  3. THE TOP OF INTERIOR WALLS SHALL END ONE MASONRY COURSE ABOVE FINISH CEILING, UNLESS OTHERWISE NOTED. TOP OF MASONRY WALL SHALL BE PROVIDED WITH SOLID CAPS.
  4. ALL INTERIOR CMU WALLS ARE 8" CMU WALLS, EXCEPT AT CHASE WALLS AND HALF HEIGHT WALLS, OR UNLESS OTHERWISE NOTED. REF PARTITION TYPES FOR CONSTRUCTION OF CHASE WALLS.

REVISIONS		
NO.	DESCRIPTION	DATE



1st FLOOR PLAN  
**DEKALB COUNTY FIRE STATION**  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



**BROWN DESIGN GROUP**  
ARCHITECTS - PLANNERS - INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(O) 404-559-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

CHECKED:	CC
DRAWN:	MS
SCALE:	As Indicated
DWG. DATE:	01/09/2019
PRINT DATE:	9/3/2019 11:32:57 AM
JOB NO.:	B1605-02

ISSUED FOR CONSTRUCTION  
**A1.1a**









ISSUED FOR CONSTRUCTION

### PARTITION LEGEND

**DETAIL:** DETAIL  
 SHEET

**PLAN:** LETTER INDICATES PARTITION TYPE  
 INDICATES WALLS CONTINUE TO BOTTOM OF DECK. INTERIOR WALLS END 8" ABOVE CEILING TYPICALLY. CONTINUE ALL RATED WALLS TO BOTTOM OF DECK

REFERENCE SIDE  
 OPPOSITE SIDE  
 WALL HEIGHT IN FEET

FIRE RATED WALL  
 UL DES # U905 FOR 1 AND 2 HR CMU

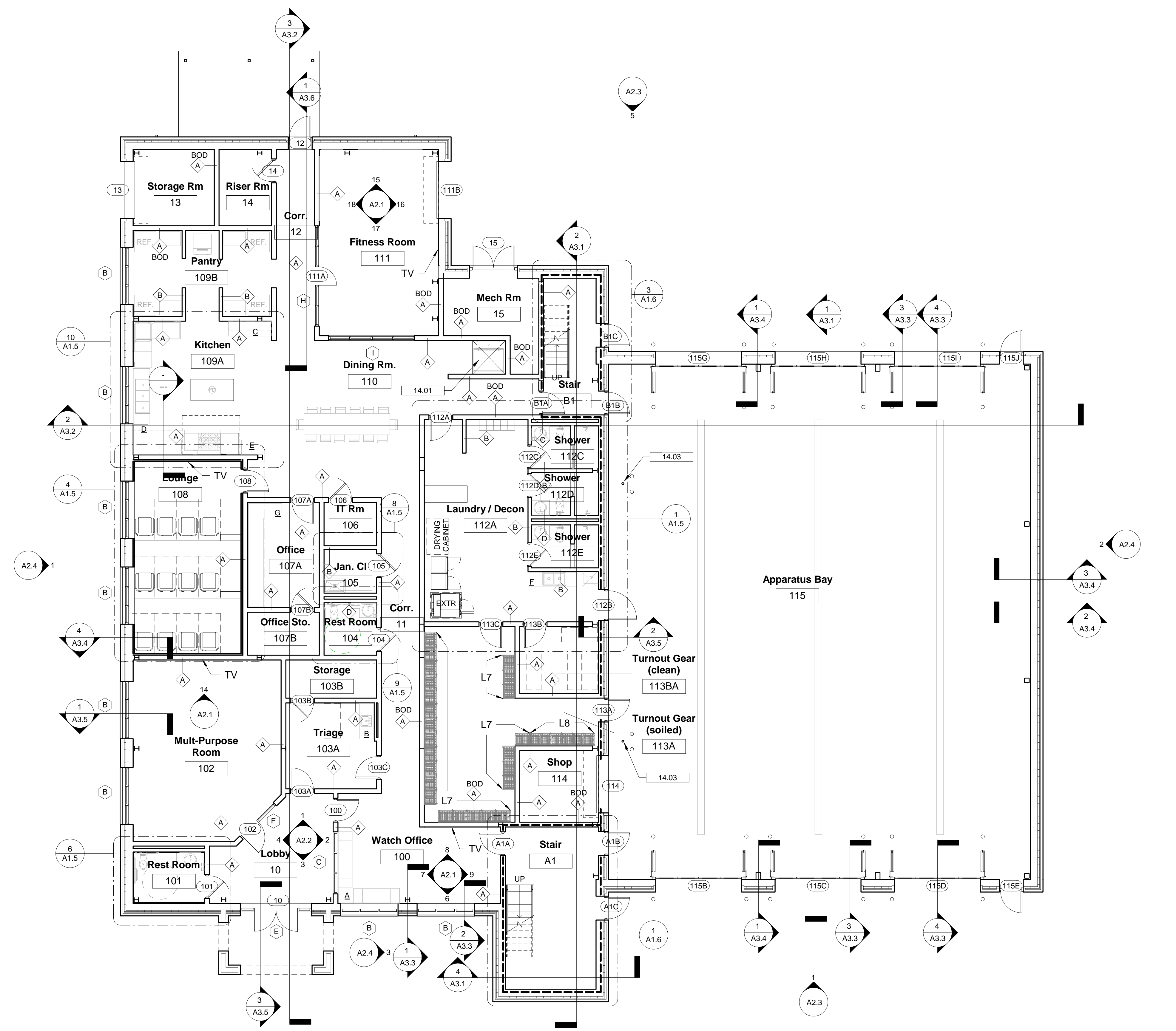
CMU WALL

### KEYNOTE LEGEND

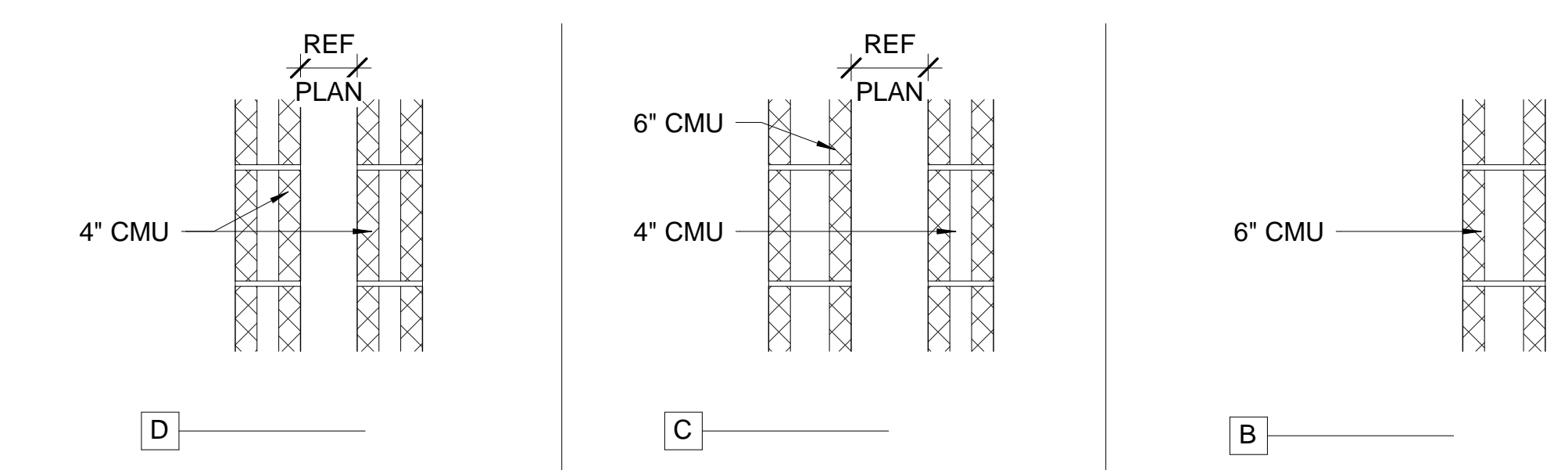
NUMBER	DESCRIPTION
14.01	VERTICAL WHEELCHAIR LIFT
14.03	FIRE POLE - MODEL 20 McINTIRE BRASS WORKS, INC. 14 HORASE ST. SOMERVILLE, MA 02143 OR APPROVED EQUAL

### SHEET NOTES

1. PROVIDE POWER AND DATA OUTLETS FOR TELEVISION AT 60" AFF



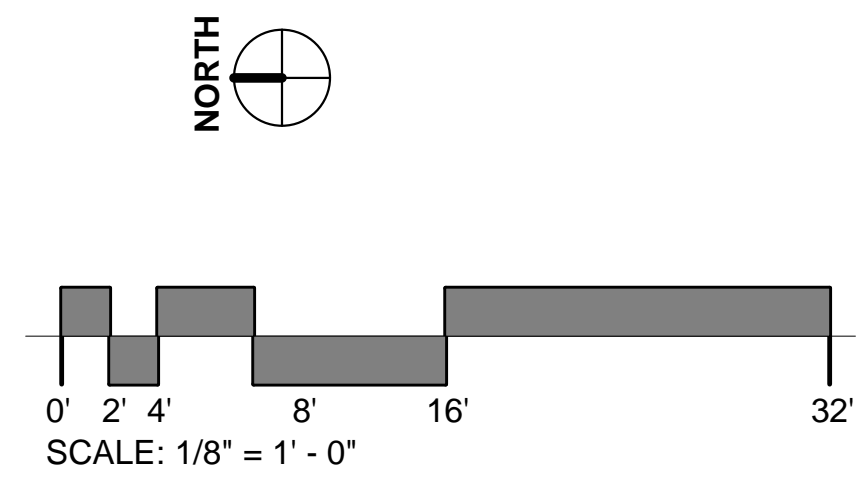
1 1st FLOOR REFERENCE PLAN  
1/8" = 1'-0"



5 PARTITION TYPES  
1/8" = 1'-0"

NOTE: RATED CMU UL # U905 WHERE INDICATED ON PLANS

8" CMU (ALL INTERIOR WALLS) TYPICALLY, UNLESS NOTED OTHERWISE







### PARTITION LEGEND

**DETAIL:** DETAIL  
 SHEET

**PLAN:** LETTER INDICATES PARTITION TYPE  
INDICATES WALLS CONTINUE TO BOTTOM OF DECK. INTERIOR WALLS END 8" ABOVE CEILING TYPICALLY. CONTINUE ALL RATED WALLS TO BOTTOM OF DECK

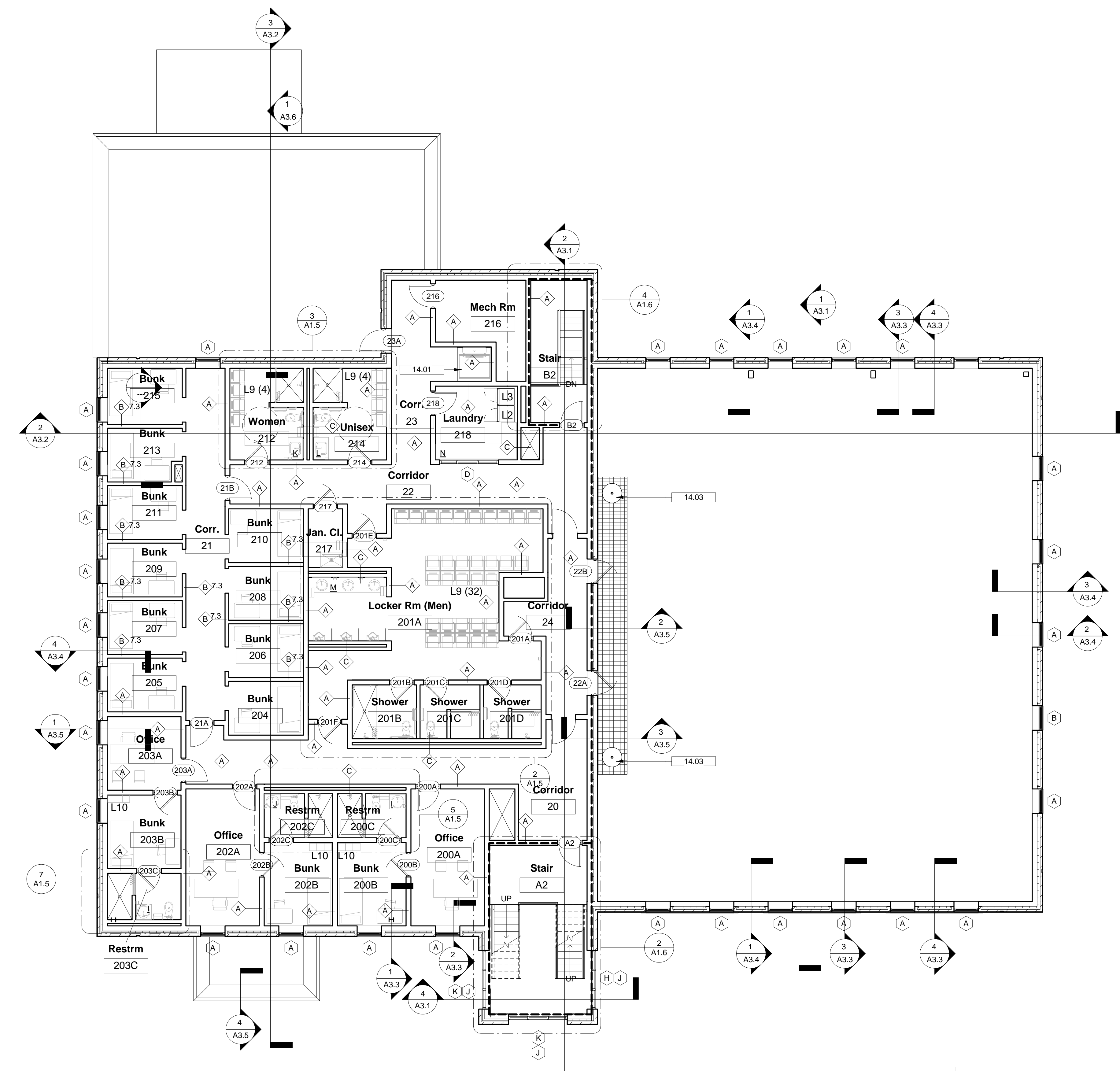
REFERENCE SIDE  
OPPOSITE SIDE  
WALL HEIGHT IN FEET

FIRE RATED WALL  
UL DES # U905 FOR 1 AND 2 HR CMU

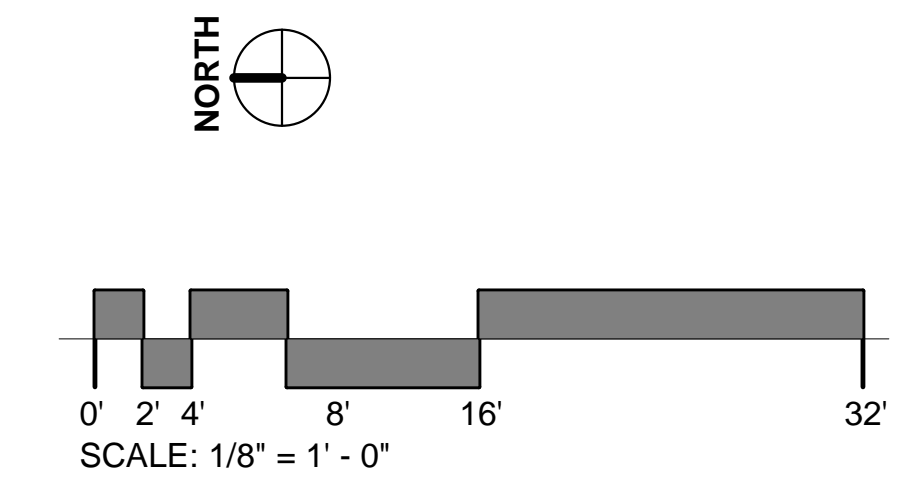
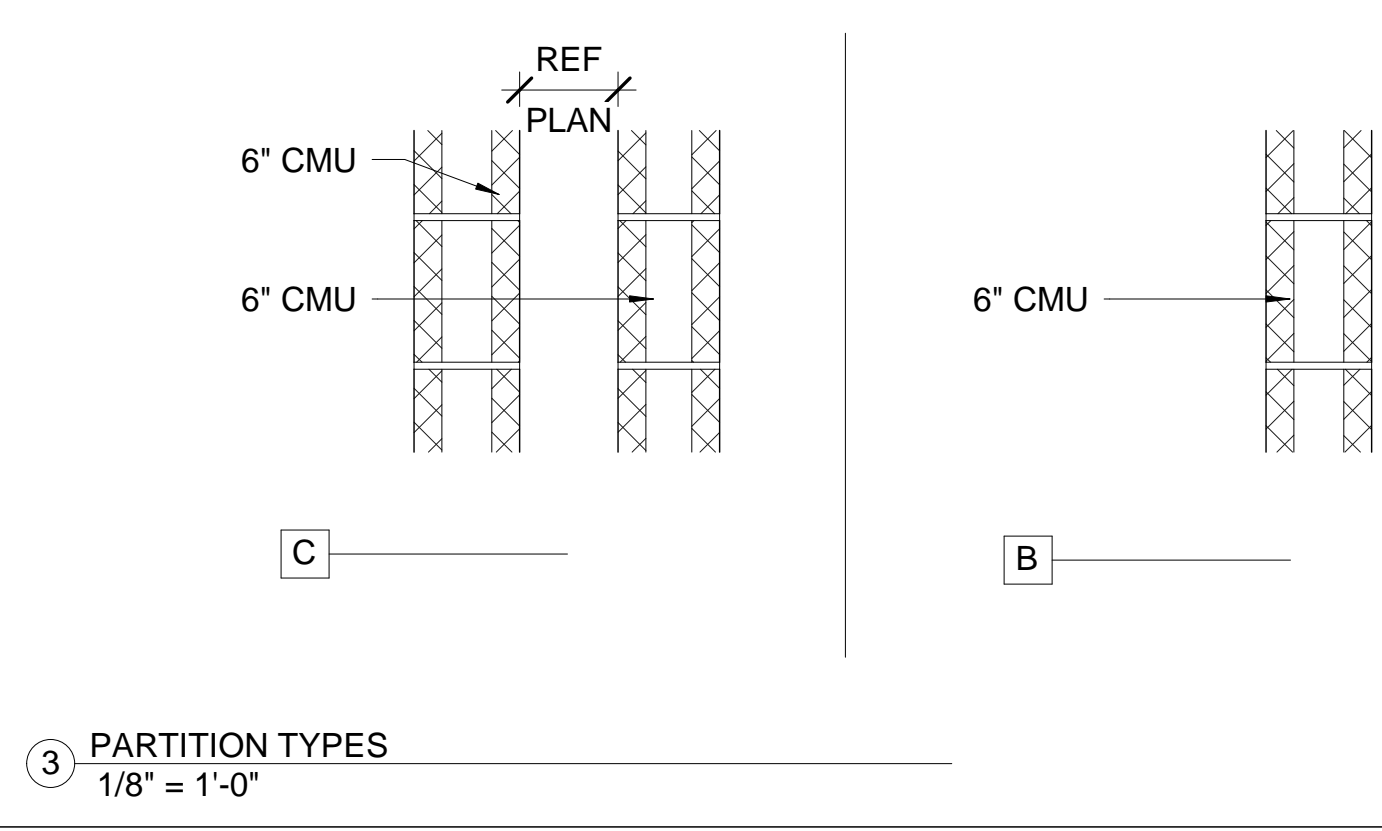
CMU WALL

### KEYNOTE LEGEND

NUMBER	DESCRIPTION
14.01	VERTICAL WHEELCHAIR LIFT
14.03	FIRE POLE - MODEL 20 MCGINTIRE BRASS WORKS, INC. 14 HORASE ST. SOMERVILLE, MA 02143 OR APPROVED EQUAL






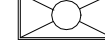
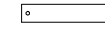

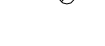

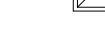



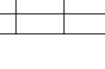

1 2nd FLOOR REFERENCE PLAN  
1/8" = 1'-0"





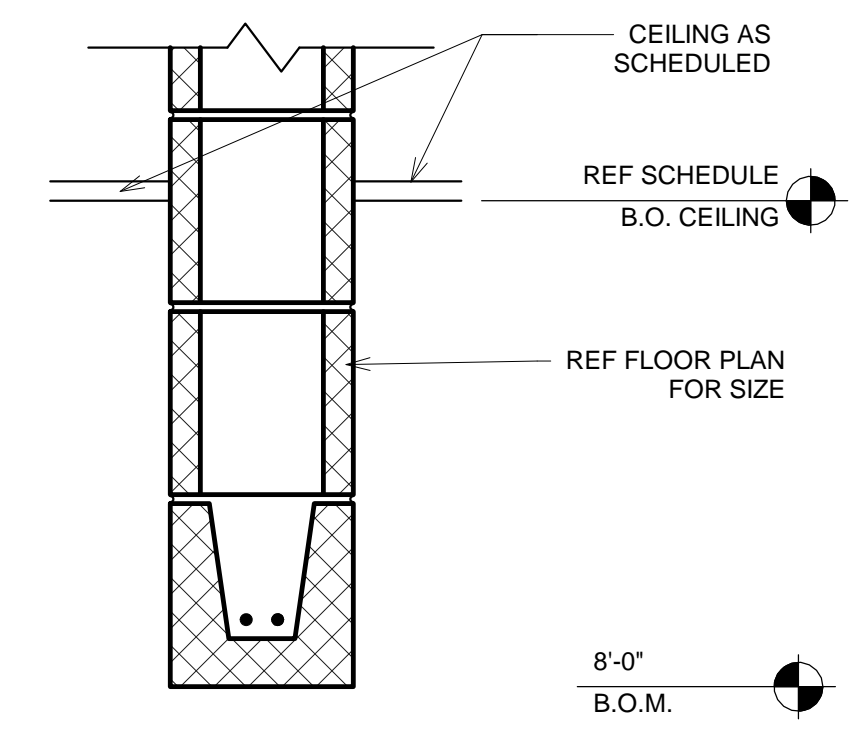
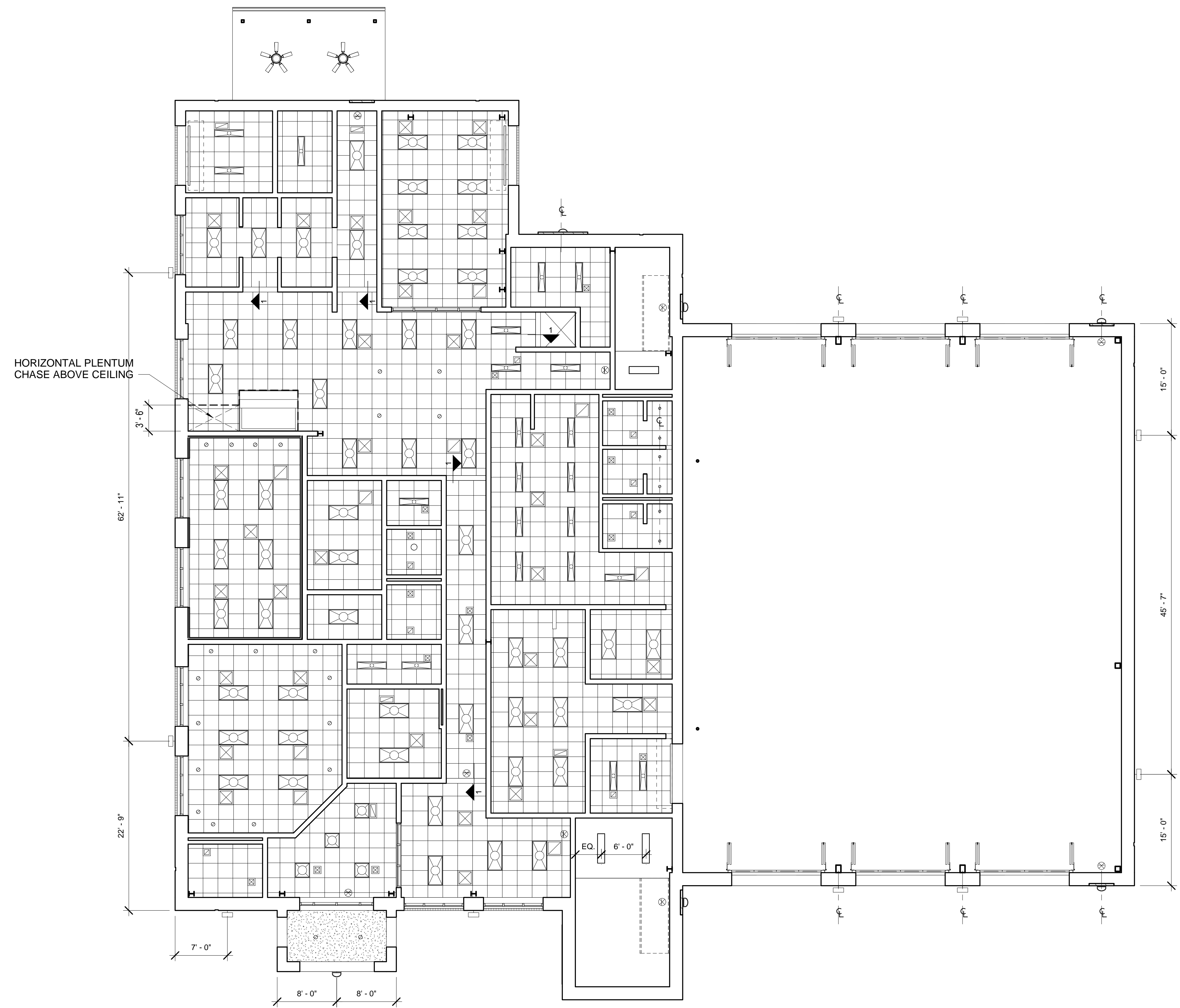


REFLECTED CEILING PLAN LEGEND

-  EXTERIOR SURFACE MOUNTED LIGHT FIXTURE
-  CEILING MOUNTED SPEAKER, UNO
-  BUILDING MOUNTED CAMERA
-  2'x4' RECESSED LIGHT FIXTURE
-  PENDANT LIGHT FIXTURE (SIZE VARIES)
-  1'x4' SURFACE MOUNTED LIGHT FIXTURE
-  RECESSED LIGHT FIXTURE
-  EXTERIOR CEILING FAN
-  SUPPLY REGISTER
-  RETURN REGISTER
-  SECTION AT BULKHEAD
-  SECTION NUMBER
-  2'x2' ACOUSTICAL CEILING TILE AND GRID SYSTEM
-  DRYWALL CEILING

SHEET NOTES

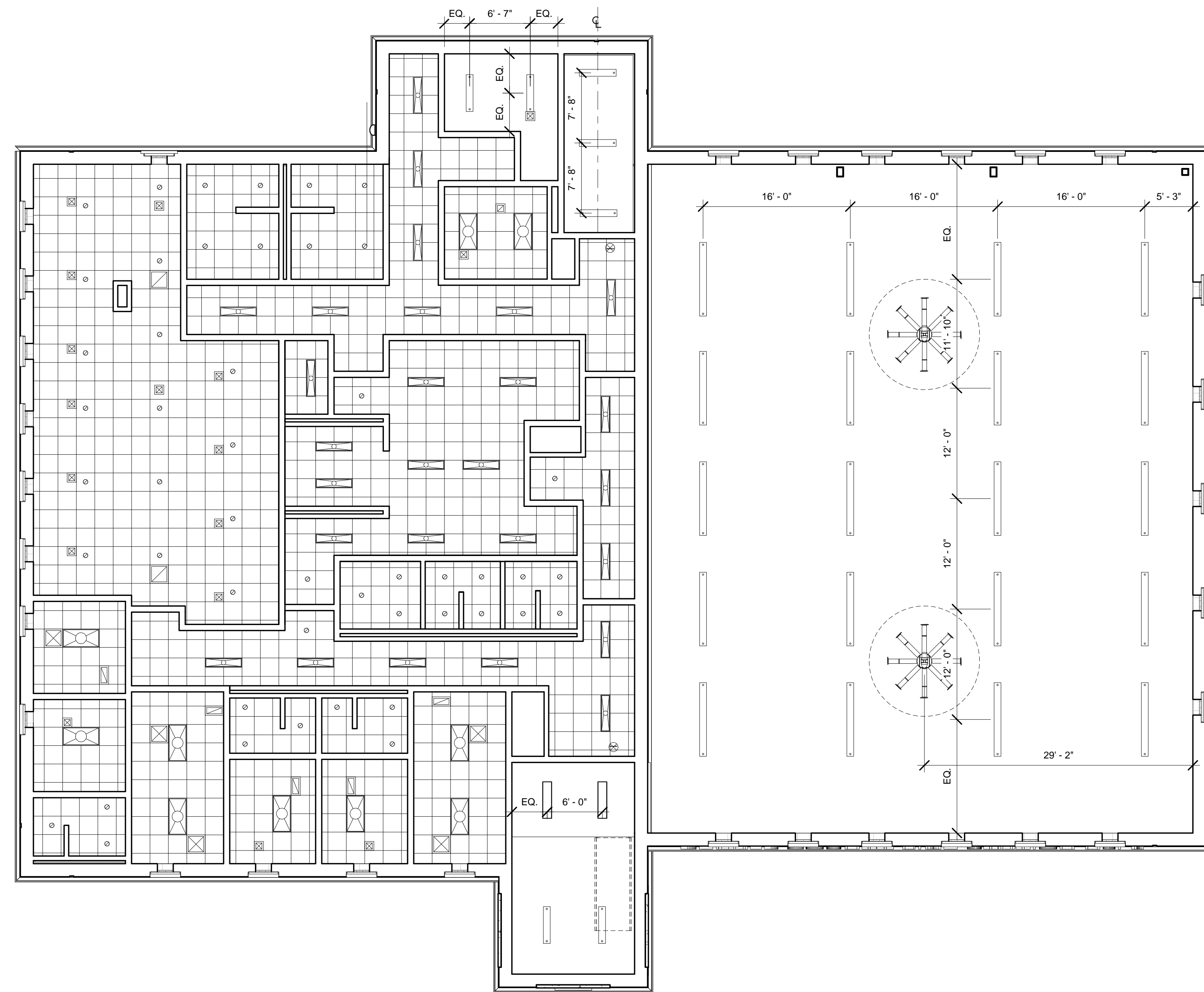
1. REF ELECTRICAL FOR TYPES OF ALL LIGHT FIXTURES. ALL LIGHT FIXTURES SHALL BE LED THROUGHOUT.
2. REF MECHANICAL FOR ALL SUPPLY AND RETURN REGISTERS
3. DIMENSIONS TO LIGHT FIXTURES ARE FROM THE FACE OF MASONRY AND/OR FACE OF FINISH WALL TO CENTERLINE OF FIXTURE. SINGLE LIGHT FIXTURE IN A ROOM SHALL BE CENTERED, UNLESS NOTED OTHERWISE. MULTIPLE LIGHT FIXTURES IN A ROOM SHALL BE CENTERED AND EQUALLY SPACED, UNLESS NOTED OTHERWISE
4. ALL CEILING GRIDS SHALL BE INSTALLED CENTERED IN ROOM ALONG BOTH THE LENGTH AND WIDTH, UNLESS NOTED OTHERWISE
5. LOCATIONS OF BUILDING MOUNTED CAMERAS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL BE COORDINATED FINAL LOCATIONS, INCLUDING MOUNTING HEIGHTS, WITH VENDOR.
6. CONTRACTOR SHALL PROVIDE ALL WORK (INCLUDING BUT NOT LIMITED TO ALL PRODUCTS) IN ORDER FOR EACH LIGHT FIXTURE INDICATED TO WORK AS IT IS INTENDED. IF PRODUCTS ARE NOT SPECIFIED, CONTRACTOR SHALL BID MEDIUM GRADE INDUSTRY STANDARD PRODUCTS TO COMPLETE WORK.
7. SPEAKERS AT ENGINE BAY SHALL BE WALL MOUNTED.
8. MOUNT EXTERIOR SPEAKERS AT 17'-8" AFF



1 1st FLOOR CEILING PLAN  
1/8" = 1'-0"














2 BULKHEAD TYPE 1  
1 1/2" = 1'-0"





1 2nd FLOOR CEILING PLAN  
1/8" = 1'-0"

REFLECTED CEILING PLAN LEGEND

-  EXTERIOR SURFACE MOUNTED LIGHT FIXTURE
-  CEILING MOUNTED SPEAKER, UNO
-  BUILDING MOUNTED CAMERA
-  2'x4' RECESSED LIGHT FIXTURE
-  PENDANT LIGHT FIXTURE (SIZE VARIES)
-  1'x4' SURFACE MOUNTED LIGHT FIXTURE
-  2'x4' RECESSED LIGHT FIXTURE
-  RECESSED LIGHT FIXTURE
-  SUPPLY REGISTER
-  RETURN REGISTER
-  2'x2' ACOUSTICAL CEILING TILE AND GRID SYSTEM
-  DRYWALL CEILING
-  ENGINE BAY CEILING FAN

SHEET NOTES

1. REF ELECTRICAL FOR TYPES OF ALL LIGHT FIXTURES. ALL LIGHT FIXTURES SHALL BE LED THROUGHOUT.
2. REF MECHANICAL FOR ALL SUPPLY AND RETURN REGISTERS
3. DIMENSIONS TO LIGHT FIXTURES ARE FROM THE FACE OF MASONRY AND/OR FACE OF FINISH WALL TO CENTERLINE OF FIXTURE. SINGLE LIGHT FIXTURE IN A ROOM SHALL BE CENTERED, UNLESS NOTED OTHERWISE. MULTIPLE LIGHT FIXTURES IN A ROOM SHALL BE CENTERED AND EQUALLY SPACED, UNLESS NOTED OTHERWISE
4. ALL CEILING GRIDS SHALL BE INSTALLED CENTERED IN ROOM ALONG BOTH THE LENGTH AND WIDTH, UNLESS NOTED OTHERWISE
5. LOCATIONS OF BUILDING MOUNTED CAMERAS ARE FOR REFERENCE ONLY. CONTRACTOR SHALL COORDINATE FINAL LOCATIONS, INCLUDING MOUNTING HEIGHTS, WITH VENDOR.
6. CONTRACTOR SHALL PROVIDE ALL WORK (INCLUDING BUT NOT LIMITED TO ALL PRODUCTS) IN ORDER FOR EACH LIGHT FIXTURE INDICATED TO WORK AS IT IS INTENDED. IF PRODUCTS ARE NOT SPECIFIED, CONTRACTOR SHALL BID MEDIUM GRADE INDUSTRY STANDARD PRODUCTS TO COMPLETE WORK.
7. SPEAKERS AT ENGINE BAY SHALL BE WALL MOUNTED.
8. MOUNT EXTERIOR SPEAKERS AT 17'-8" AFF

REVISIONS		
NO.	DESCRIPTION	DATE



2nd FLOOR REFLECTED CEILING PLAN  
 DEKALB COUNTY FIRE STATION  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

**BROWN DESIGN GROUP**  
 ARCHITECTS - PLANNERS - INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA 30344  
 (O) 404-559-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

CHECKED:	CC
DRAWN:	RR,CC
SCALE:	As Indicated
DWG. DATE:	01/09/2019
PRINT DATE:	9/3/2019 11:33:40 AM
JOB NO.:	B1605-02

SHEET  
**A1.3b**




ISSUED FOR CONSTRUCTION



**SHEET NOTES**

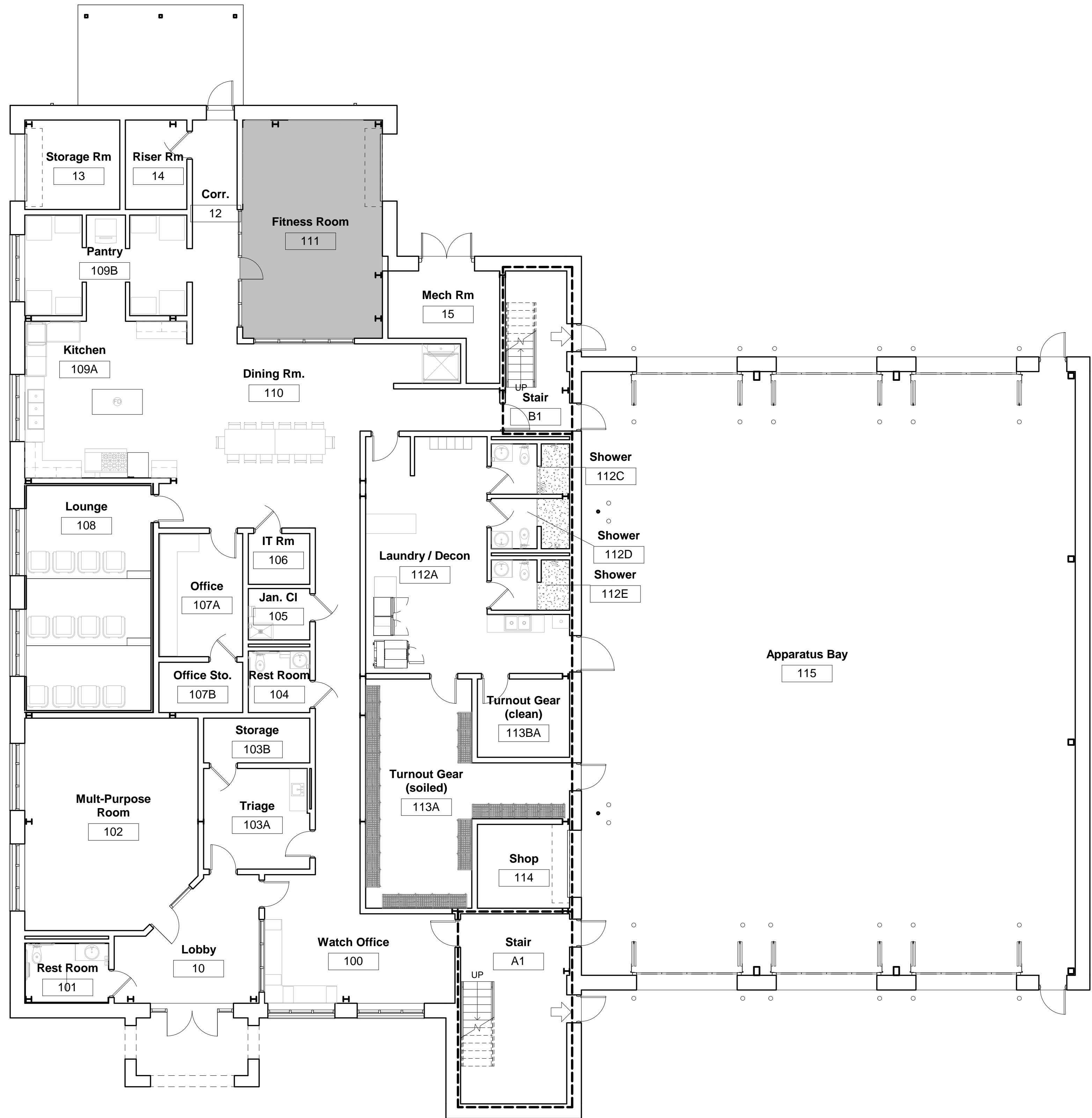
1. ALL INTERIOR CONCRETE JOINTS SHALL BE FILLED

**FLOOR FINISH LEGEND**

	EPOXY (EP)
	RUBBER ATHLETIC FLOORING (AF)
	POLISHED CONCRETE (PC)

**SCHEDULE NOTES:**

1	FINAL FINISHES TO BE SELECTED BY OWNER'S REPRESENTATIVE FROM MANUFACTURE'S STANDARD SAMPLES PROVIDED BY GC
2	INSTALL 1/2" WATER RESISTANT CEILING TILE SYSTEM
3	PROVIDE ACOUSTICAL WALL PANELS
4	PROVIDE HORIZONTAL LOUVER BLINDS AT WINDOW
5	PROVIDE EPOXY AT SHOWER FLOOR AND BASE. BASE SHALL BE 4" HIGH. WHERE CURB IS INDICATED ON DRAWINGS, EXTEND EPOXY TO OUTSIDE FACE OF SHOWER CURB



**ROOM FINISH SCHEDULE**

Number	Room Style	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	CEILING HEIGHT	Comments
--------	------------	------	--------------	-------------	-------------	----------------	----------------	----------

10	1	Lobby	PC		D, PT	ACT	11'-0" (10'-0" @ BH)	1
11	1	Corr.	PC		D, PT	ACT	10'-0"	1
12	1	Corr.	PC		D, PT	ACT	10'-0"	1
13	1	Storage Rm	PC		D, PT	ACT	10'-0"	1
14	1	Riser Rm	PC		D, PT	ACT	10'-0"	1
15	1	Mech Rm	PC		D, PT	ACT	10'-0"	1
20	1	Corridor	PC		D, PT	ACT	9'-0"	1
21	1	Corr.	PC		D, PT	ACT	10'-0"	1
22	1	Corridor	PC		D, PT	ACT	9'-0"	1
23	1	Corr.	PC		D, PT	ACT	9'-0"	1
24	1	Corridor	PC		D, PT	ACT	9'-0"	1
100	2	Watch Office	PC		D, PT	ACT	10'-0"	1,4
101	1	Rest Room	PC		D, PT	ACT	9'-0"	1
102	2	Multi-Purpose Room	PC		D, PT	ACT	11'-0" (10'-0" @ BH)	1,4
103A	1	Triage	PC		D, PT	ACT	9'-0"	1
103B	1	Storage	PC		D, PT	ACT	9'-0"	1
104	1	Rest Room	PC		D, PT	ACT	9'-0"	1
105	1	Jan. Cl	PC		D, PT	ACT	9'-0"	1
106	1	IT Rm	PC		D, PT	ACT	9'-0"	1
107A	1	Office	PC		D, PT	ACT	9'-0"	1
107B	1	Office Sto.	PC		D, PT	ACT	9'-0"	1
108	6	Lounge	PC,	WD	D, PT	ACT	11'-0" (10'-0" @ BH)	1, 3, 4
109A	1	Kitchen	PC		D, PT	ACT	9'-0"	1
109B	2	Pantry	PC		D, PT	ACT	9'-0"	1,4
110	1	Dining Rm.	PC		D, PT	ACT	10'-0" (9'-6" @ BH)	1
111	4	Fitness Room	PC, AF	AF	D, EPT	ACT	9'-0"	1
112A	8	Laundry / Decon	PC		D, PT	ACT	10'-0"	1, 2
112C	3	Shower	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
112D	3	Shower	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
112E	3	Shower	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
113A	1	Turnout Gear (soiled)	PC		D, PT	ACT	9'-0"	1
113B	1	Turnout Gear (clean)	PC		D, PT	ACT	9'-0"	1
113BA	1	Turnout Gear (clean)	PC		D, PT	ACT	9'-0"	1
114	1	Shop	PC		D, PT	ACT	9'-0"	1
115	5	Apparatus Bay	PC		D, EPT	Exposed	Open to Struc.	1
200A	2	Office	PC		D, PT	ACT	9'-0"	1,4
200B	2	Bunk	PC		D, PT	ACT	9'-0"	1,4
200C	3	Restrm	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
201A	1	Locker Rm (Men)	PC		D, PT	ACT	9'-0"	1
201B	3	Shower	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
201C	3	Shower	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
201D	3	Shower	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
202A	2	Office	PC		D, PT	ACT	9'-0"	1,4
202B	2	Bunk	PC		D, PT	ACT	9'-0"	1,4
202C	3	Restrm	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
203A	2	Office	PC		D, PT	ACT	9'-0"	1,4
203B	2	Bunk	PC		D, PT	ACT	9'-0"	1,4
203C	3	Restrm	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
204	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
205	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
206	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
207	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
208	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
209	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
210	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
211	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
212	3	Women	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
213	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
214	3	Unisex	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
215	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
216	5	Mech Rm	PC		D, EPT	Exposed	Open to Struc.	1
217	1	Jan. Cl.	PC		D, PT	ACT	8'-0"	1
218	1	Laundry	PC		D, PT	ACT	10'-0"	1
A1	5	Stair	PC		D, EPT	Exposed	10'-6"	1
A2	1	Stair	PC		D, PT	ACT	11'-0"	1
B1	5	Stair	PC		D, EPT	Exposed	10'-6"	1
B2	1	Stair	PC		D, PT	ACT	11'-0"	1

3 1st FLOOR FINISH PLAN  
1/8" = 1'-0"

REVISIONS  
NO. | DESCRIPTION | DATE

STATE OF GEORGIA  
COYL COOPER, JR.  
REGISTERED ARCHITECT

1st FLOOR FINISH PLAN

DEKALB COUNTY FIRE STATION  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

BROWN DESIGN GROUP  
ARCHITECTS: PLANNERS, INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(O) 404-559-1805 (F) 404-776-1020 (E) THEBROWDESIGNGROUP.COM

ISSUED FOR CONSTRUCTION

CHECKED: CC  
DRAWN: RR  
SCALE: As Indicated  
DWG. DATE: 01/09/2019  
PRINT DATE: 9/3/2019 11:34:12 AM  
JOB NO.: B1605-02

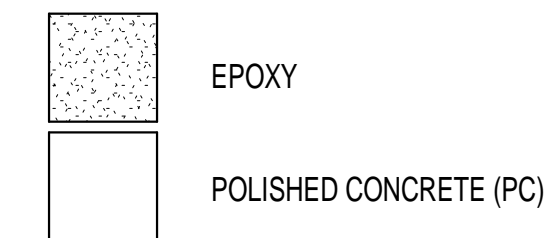
SHEET  
A1.4a



**SHEET NOTES**

1. ALL INTERIOR CONCRETE JOINTS SHALL BE FILLED

**FLOOR FINISH LEGEND**



**SCHEDULE NOTES:**

1	FINAL FINISHES TO BE SELECTED BY OWNER'S REPRESENTATIVE FROM MANUFACTURE'S STANDARD SAMPLES PROVIDED BY GC
2	INSTALL 1/2" WATER RESISTANT GYPSUM BOARD
3	HEIGHT OF CERAMIC TILE AS INDICATED ON A2.1 & A2.2
4	PROVIDE HORIZONTAL LOUVER BLINDS AT WINDOW
5	PROVIDE EPOXY AT SHOWER FLOOR AND BASE. BASE SHALL BE 4" HIGH. WHERE CURB IS INDICATED ON DRAWINGS, EXTEND EPOXY TO OUTSIDE FACE OF SHOWER CURB



**ROOM FINISH SCHEDULE**

Number	Room Style	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	CEILING HEIGHT	Comments
10	1	Lobby	PC		D, PT	ACT	11'-0" (10'-0" @ BH)	1
11	1	Corr.	PC		D, PT	ACT	10'-0"	1
12	1	Corr.	PC		D, PT	ACT	10'-0"	1
13	1	Storage Rm	PC		D, PT	ACT	10'-0"	1
14	1	Riser Rm	PC		D, PT	ACT	10'-0"	1
15	1	Mech Rm	PC		D, PT	ACT	10'-0"	1
20	1	Corridor	PC		D, PT	ACT	9'-0"	1
21	1	Corr.	PC		D, PT	ACT	10'-0"	1
22	1	Corridor	PC		D, PT	ACT	9'-0"	1
23	1	Corr.	PC		D, PT	ACT	9'-0"	1
24	1	Corridor	PC		D, PT	ACT	9'-0"	1
100	2	Watch Office	PC		D, PT	ACT	10'-0"	1,4
101	1	Rest Room	PC		D, PT	ACT	9'-0"	1
102	2	Multi-Purpose Room	PC		D, PT	ACT	11'-0" (10'-0" @ BH)	1,4
103A	1	Triage	PC		D, PT	ACT	9'-0"	1
103B	1	Storage	PC		D, PT	ACT	9'-0"	1
104	1	Rest Room	PC		D, PT	ACT	9'-0"	1
105	1	Jan. Cl.	PC		D, PT	ACT	9'-0"	1
106	1	IT Rm	PC		D, PT	ACT	9'-0"	1
107A	1	Office	PC		D, PT	ACT	9'-0"	1
107B	1	Office Sto.	PC		D, PT	ACT	9'-0"	1
108	6	Lounge	PC,	WD	D, PT	ACT	11'-0" (10'-0" @ BH)	1, 3, 4
109A	1	Kitchen	PC		D, PT	ACT	9'-0"	1
109B	2	Pantry	PC		D, PT	ACT	9'-0"	1,4
110	1	Dining Rm.	PC		D, PT	ACT	10'-0" (9'-6" @ BH)	1
111	4	Fitness Room	PC, AF	AF	D, EPT	ACT	9'-0"	1
112A	8	Laundry / Decon	PC		D, PT	ACT	10'-0"	1, 2
112C	3	Shower	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
112D	3	Shower	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
112E	3	Shower	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
113A	1	Turnout Gear (soiled)	PC		D, PT	ACT	9'-0"	1
113B	1	Turnout Gear (clean)	PC		D, PT	ACT	9'-0"	1
113BA	1	Turnout Gear (clean)	PC		D, PT	ACT	9'-0"	1
114	1	Shop	PC		D, PT	ACT	9'-0"	1
115	5	Apparatus Bay	PC		D, EPT	Exposed	Open to Struc.	1
200A	2	Office	PC		D, PT	ACT	9'-0"	1,4
200B	2	Bunk	PC		D, PT	ACT	9'-0"	1,4
200C	3	Restrm	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
201A	1	Locker Rm (Men)	PC		D, PT	ACT	9'-0"	1
201B	3	Shower	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
201C	3	Shower	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
201D	3	Shower	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
202A	2	Office	PC		D, PT	ACT	9'-0"	1,4
202B	2	Bunk	PC		D, PT	ACT	9'-0"	1,4
202C	3	Restrm	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
203A	2	Office	PC		D, PT	ACT	9'-0"	1,4
203B	2	Bunk	PC		D, PT	ACT	9'-0"	1,4
203C	3	Restrm	PC, Epoxy	EP	D, EPT	ACT	8'-0"	1, 2, 5
204	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
205	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
206	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
207	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
208	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
209	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
210	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
211	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
212	3	Women	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
213	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
214	3	Unisex	PC, Epoxy	EP	D, EPT	ACT	9'-0"	1, 2, 5
215	2	Bunk	PC		D, PT	ACT	10'-0"	1,4
216	5	Mech Rm	PC		D, EPT	Exposed	Open to Struc.	1
217	1	Jan. Cl.	PC		D, PT	ACT	8'-0"	1
218	1	Laundry	PC		D, PT	ACT	10'-0"	1
A1	5	Stair	PC		D, EPT	Exposed	10'-6"	1
A2	1	Stair	PC		D, PT	ACT	11'-0"	1
B1	5	Stair	PC		D, EPT	Exposed	10'-6"	1
B2	1	Stair	PC		D, PT	ACT	11'-0"	1

3 2nd FLOOR FINISH PLAN  
1/8" = 1'-0"

REVISIONS  
NO. DESCRIPTION DATE



2nd FLOOR FINISH PLAN  
DEKALB COUNTY FIRE STATION  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

BROWN  
DESIGN  
GROUP  
ARCHITECTS - PLANNERS - INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(O) 404-559-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

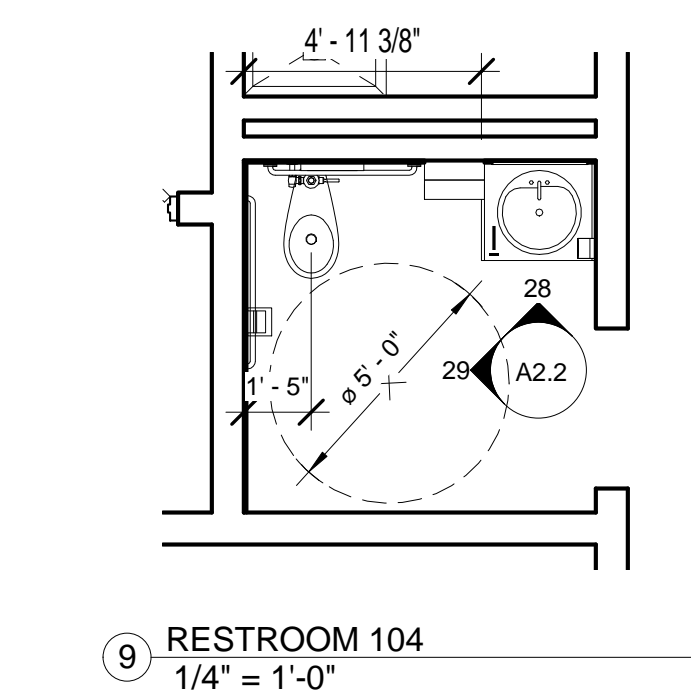
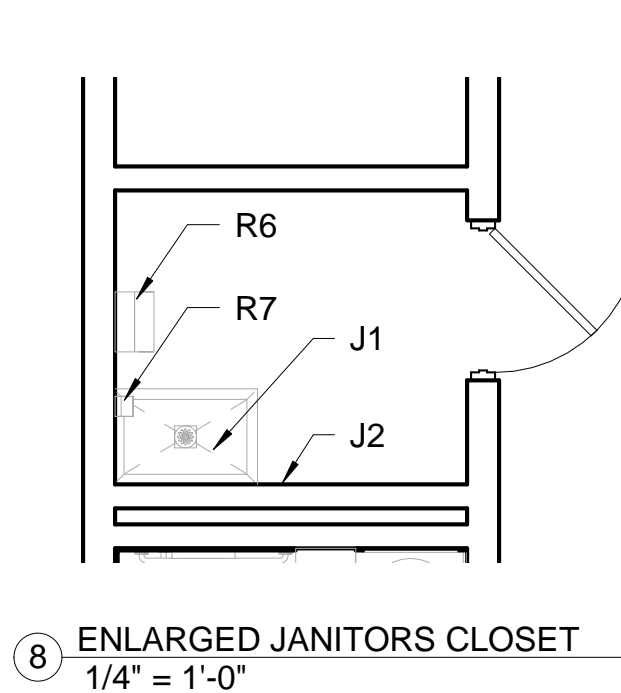
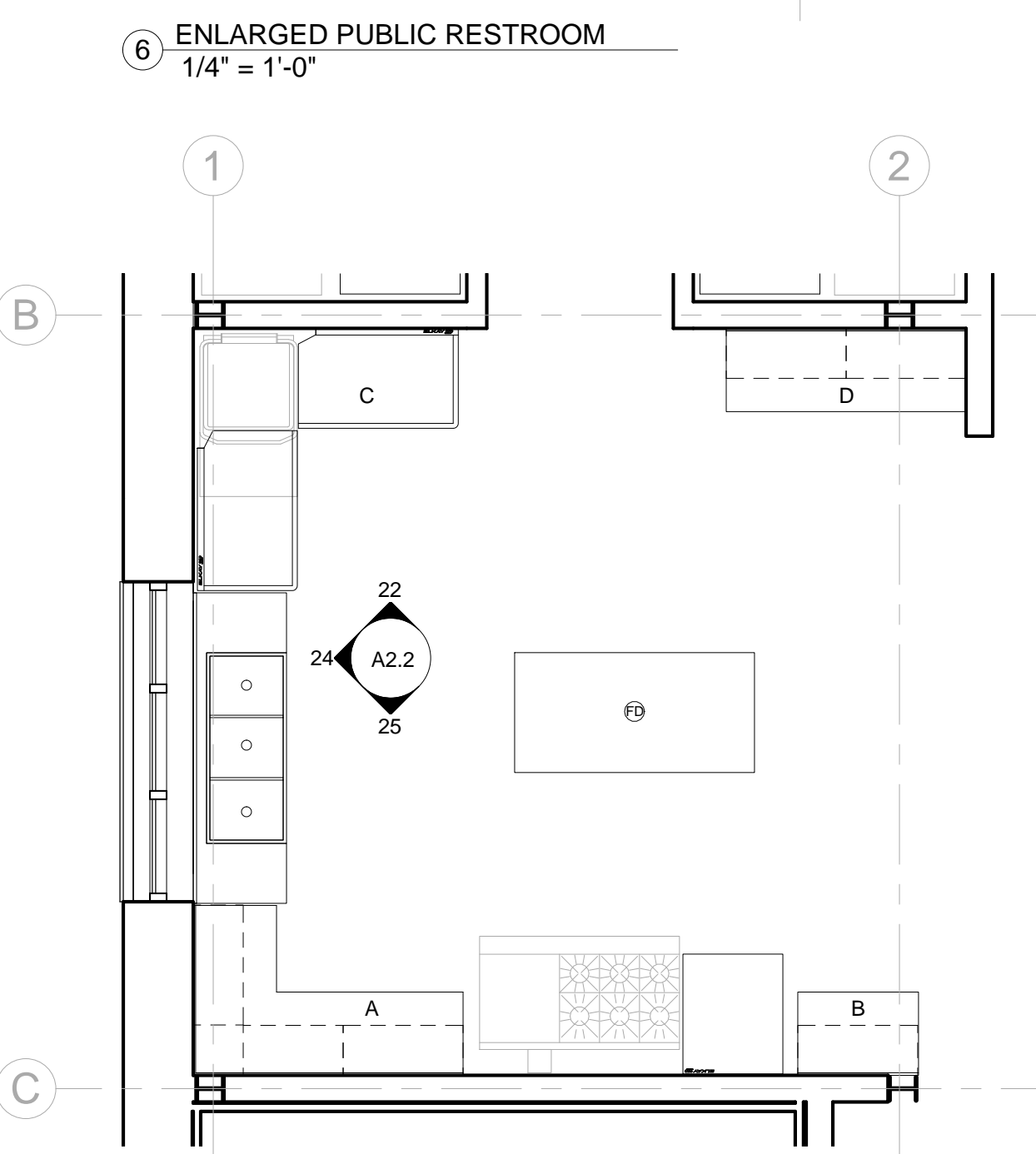
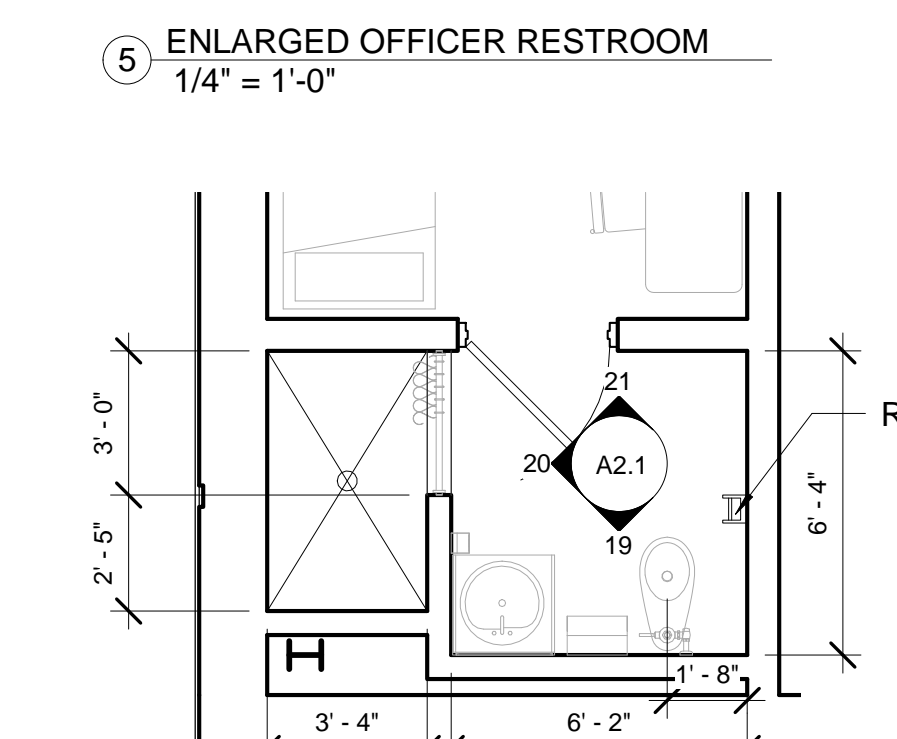
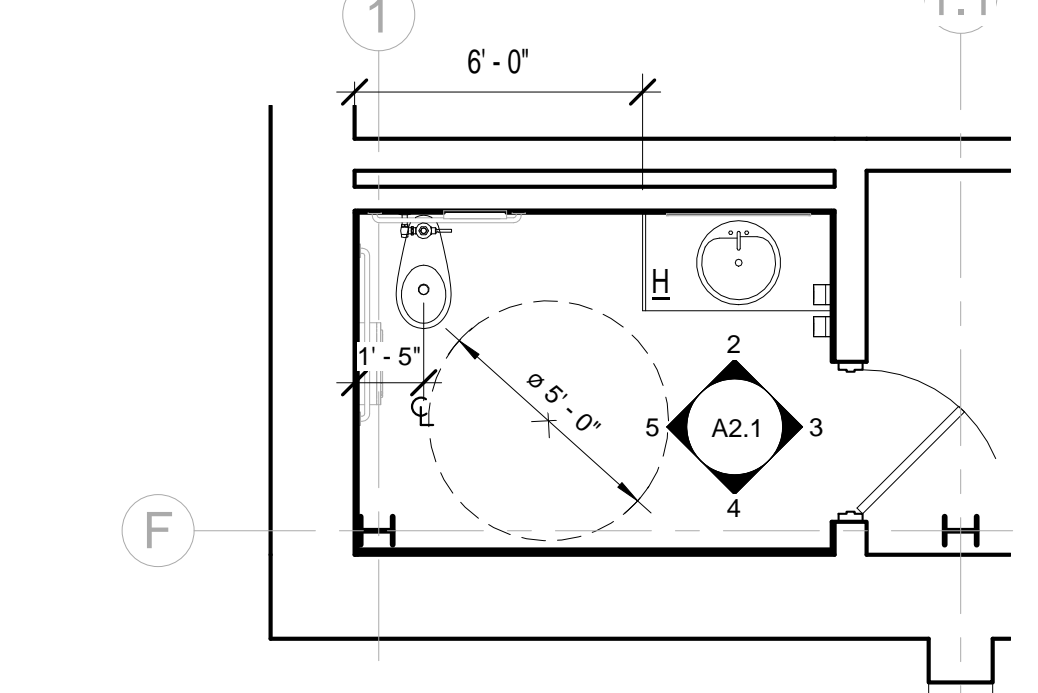
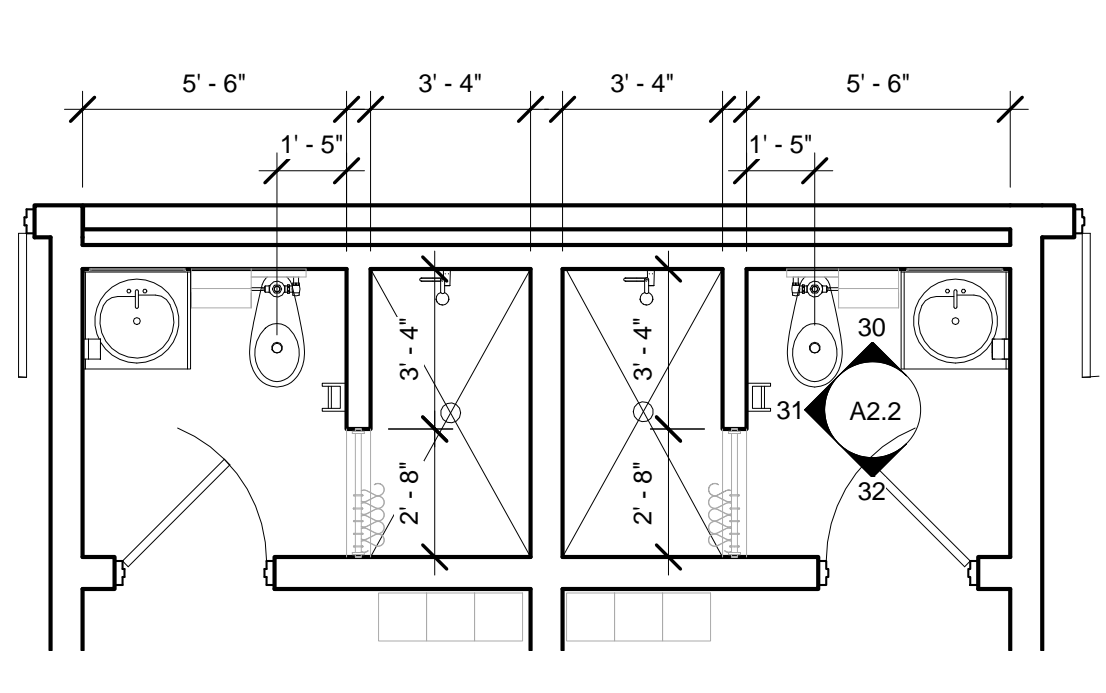
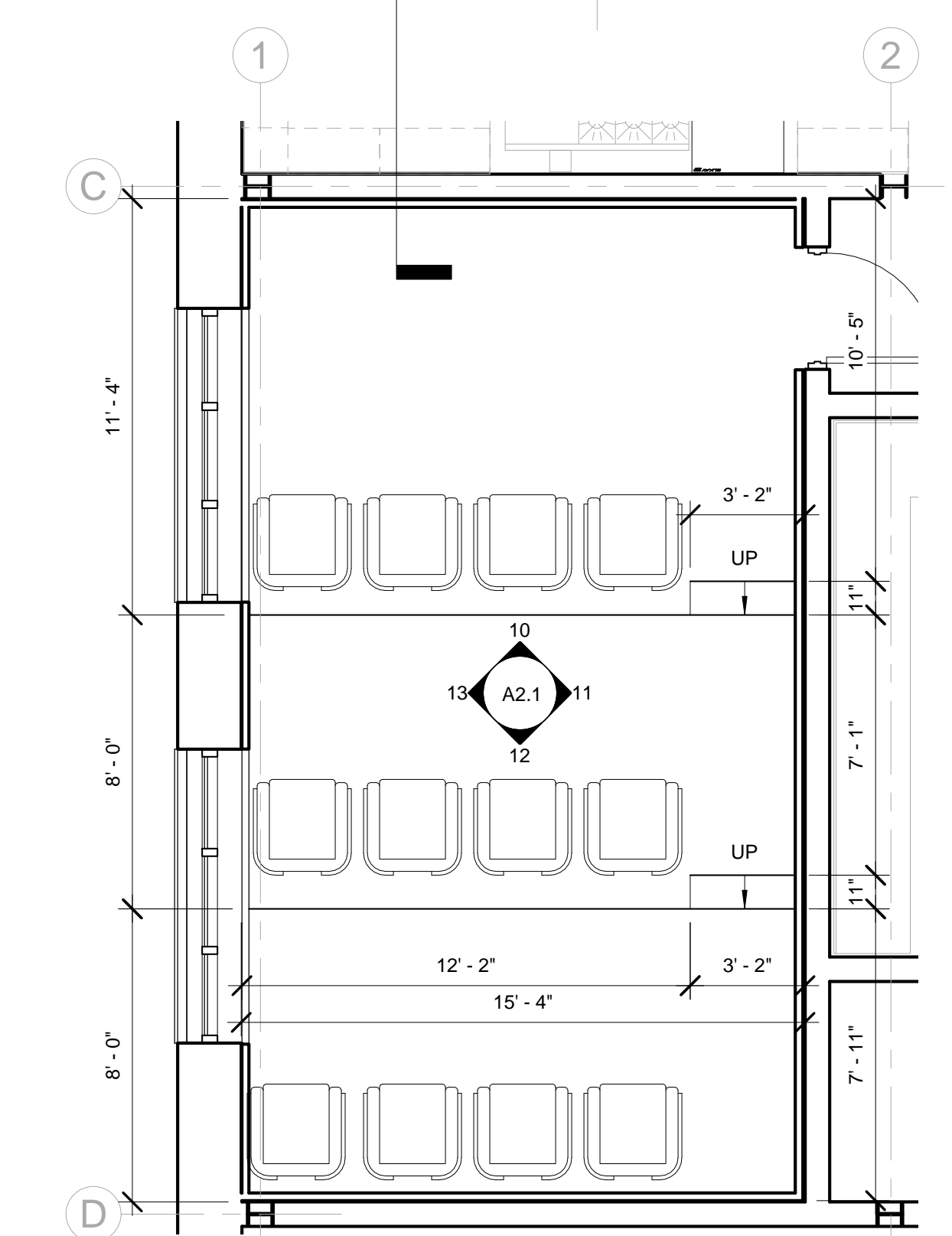
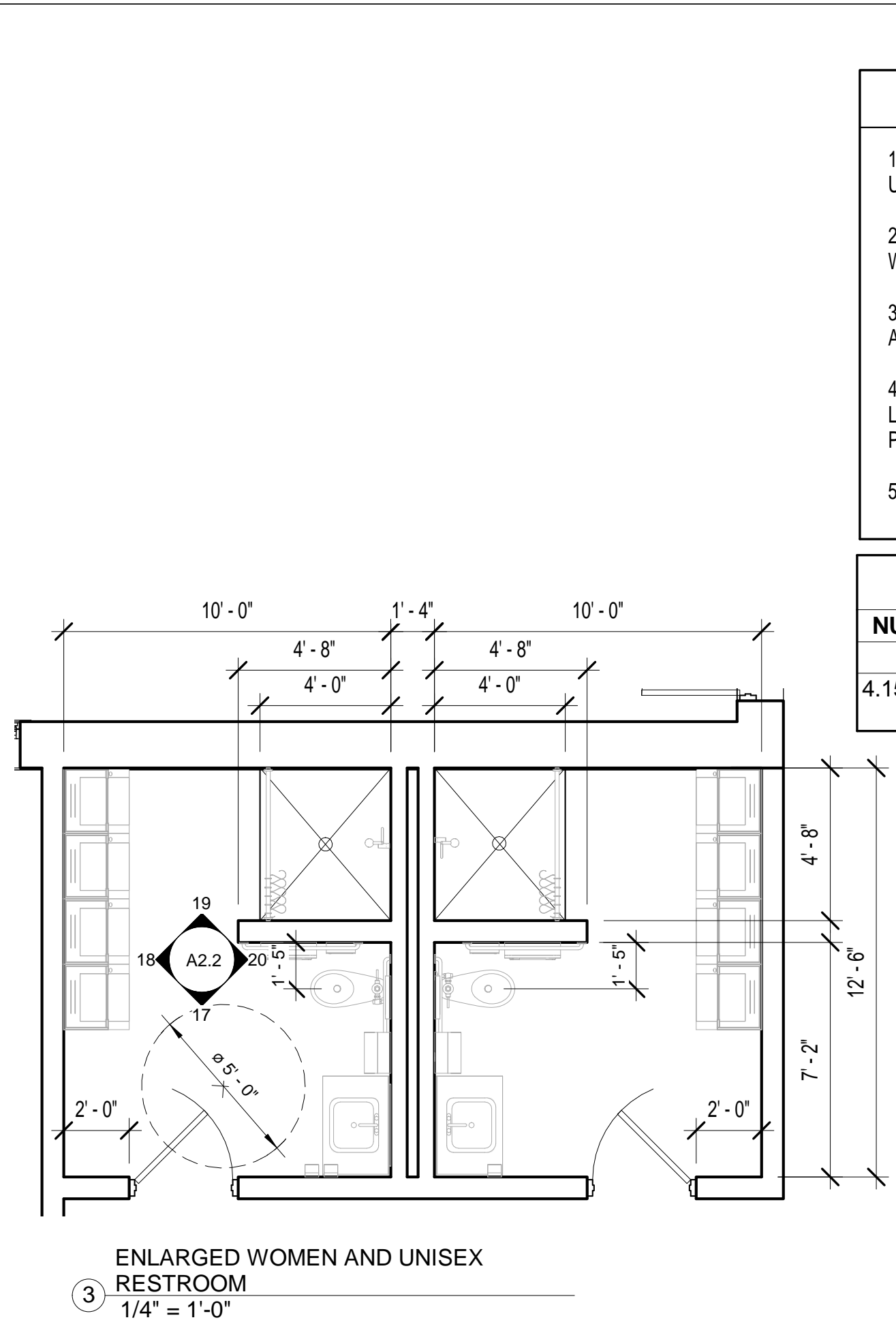
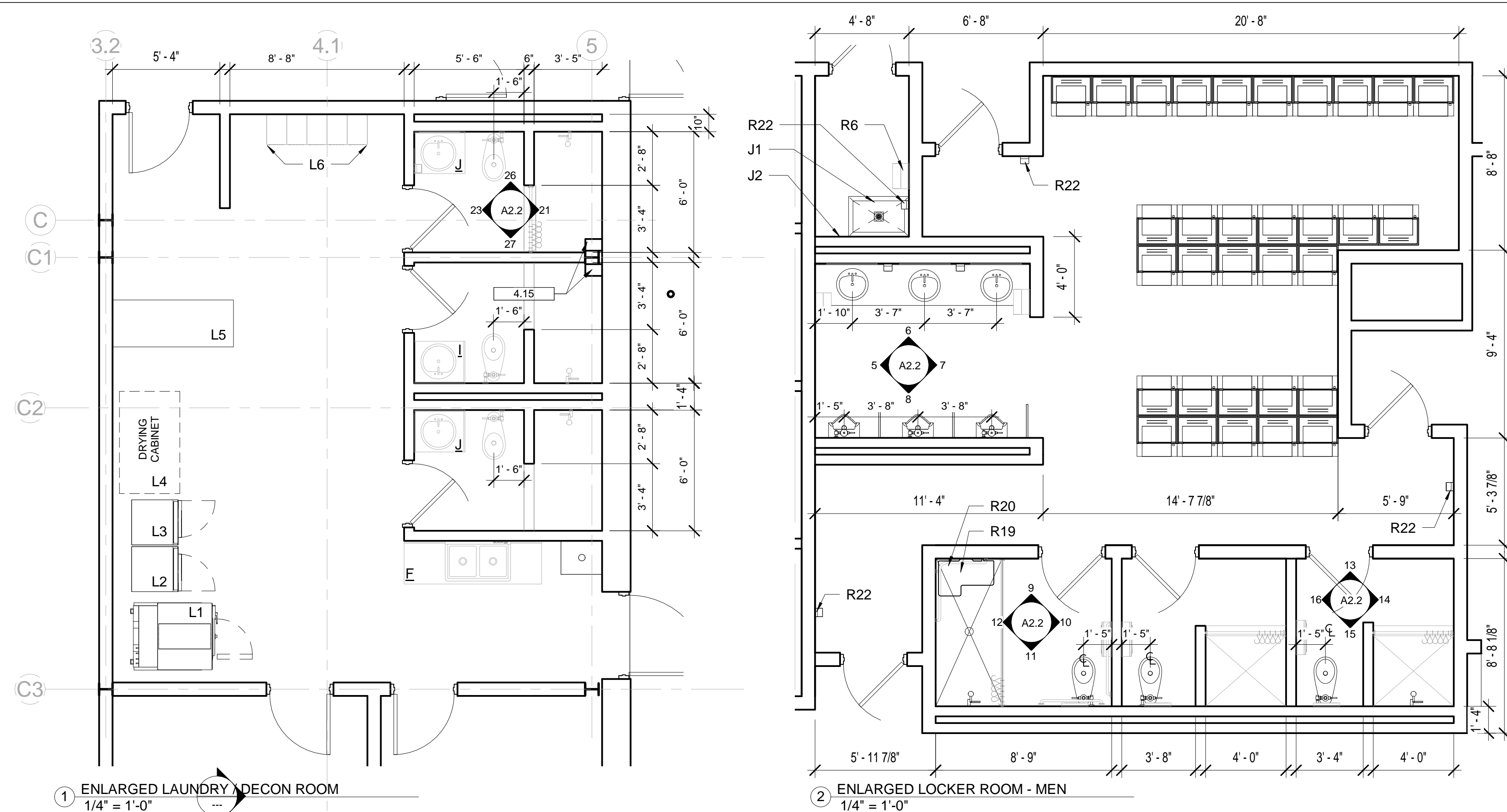
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DWG. DATE: 01/09/2019  
PRINT DATE: 9/3/2019 11:34:18 AM

JOB NO.: B1605-02

SHEET  
A1.4b

ISSUED FOR CONSTRUCTION





SHEET NOTES	
1.	ALL DIMENSION ARE FROM FACE OF WALL TO FACE OF WALL, UNLESS NOTED OTHERWISE (UNO).
2.	ALL RESTROOM ACCESSORIES SHALL BE EQUAL TO BOBRICK WASHROOM EQUIPMENT SPECIFICATIONS, UNO.
3.	SEAL THE PERIMETER OF ALL PLUMBING FIXTURES AND ACCESSORIES AT WALLS AND FLOORS.
4.	PROVIDE TWO (2) CLOTHES HOOKS PER SHOWER. FINAL LOCATIONS SHALL BE DETERMINED DURING THE SUBMITTAL PROCESS.
5.	REFERENCE SPECIFICATION 11451 FOR APPLIANCES

KEYNOTE LEGEND	
NUMBER	DESCRIPTION
4.15	8"X16"CMU CAP BLOCK CLOSURE INSTALLED VERTICALLY

REVISIONS  
NO. | DESCRIPTION | DATE

**ENLARGED FLOOR PLANS**

**DEKALB COUNTY FIRE STATION**

**No. 7**

1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

**BROWN DESIGN GROUP**

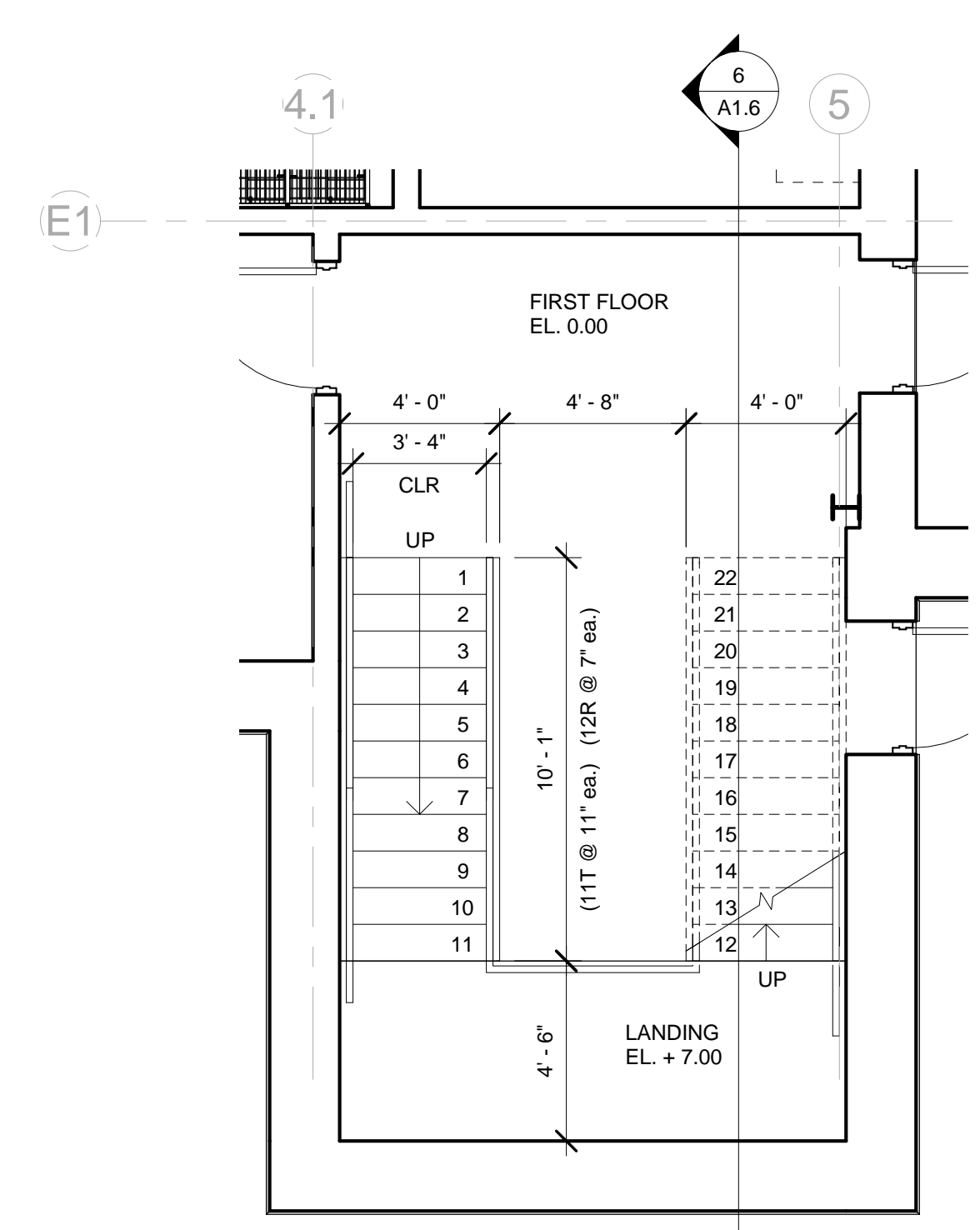
ARCHITECTS: PLANNERS, INTERIOR DESIGNERS  
3039 WASHINGTON ROAD, EAST POINT, GA 30344  
(O) 404-559-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

ISSUED FOR CONSTRUCTION

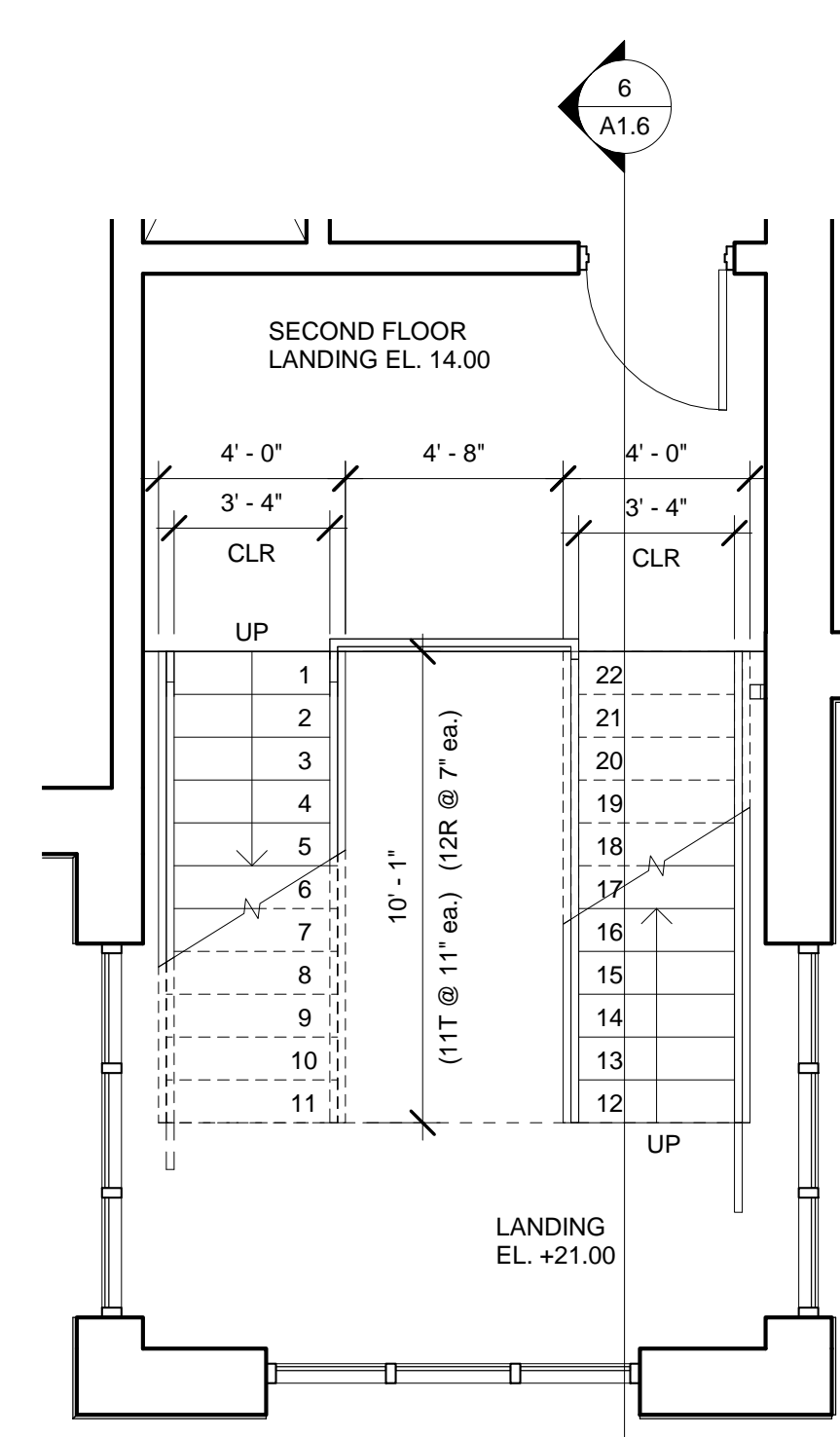
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SHEET  
**A1.5**

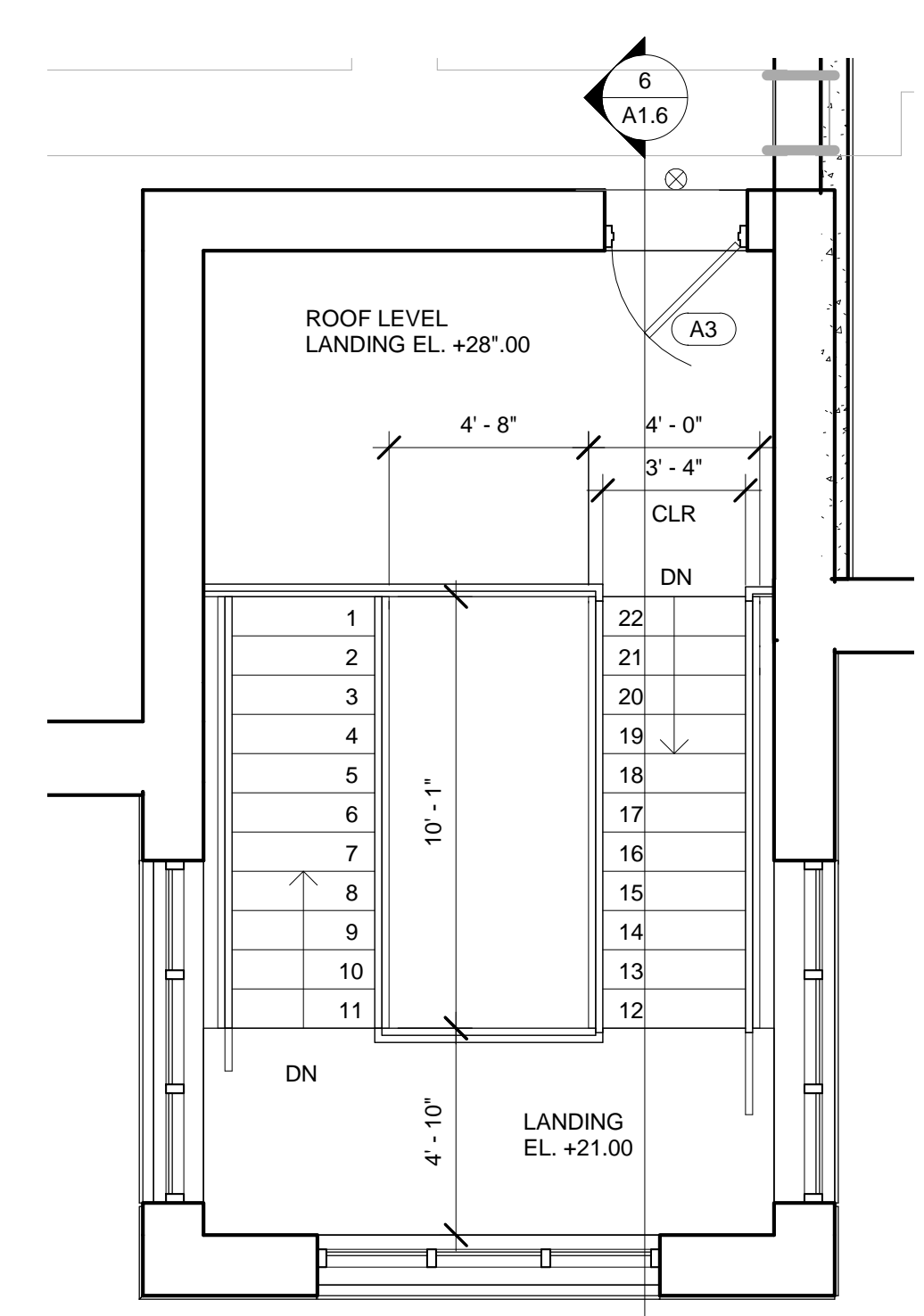




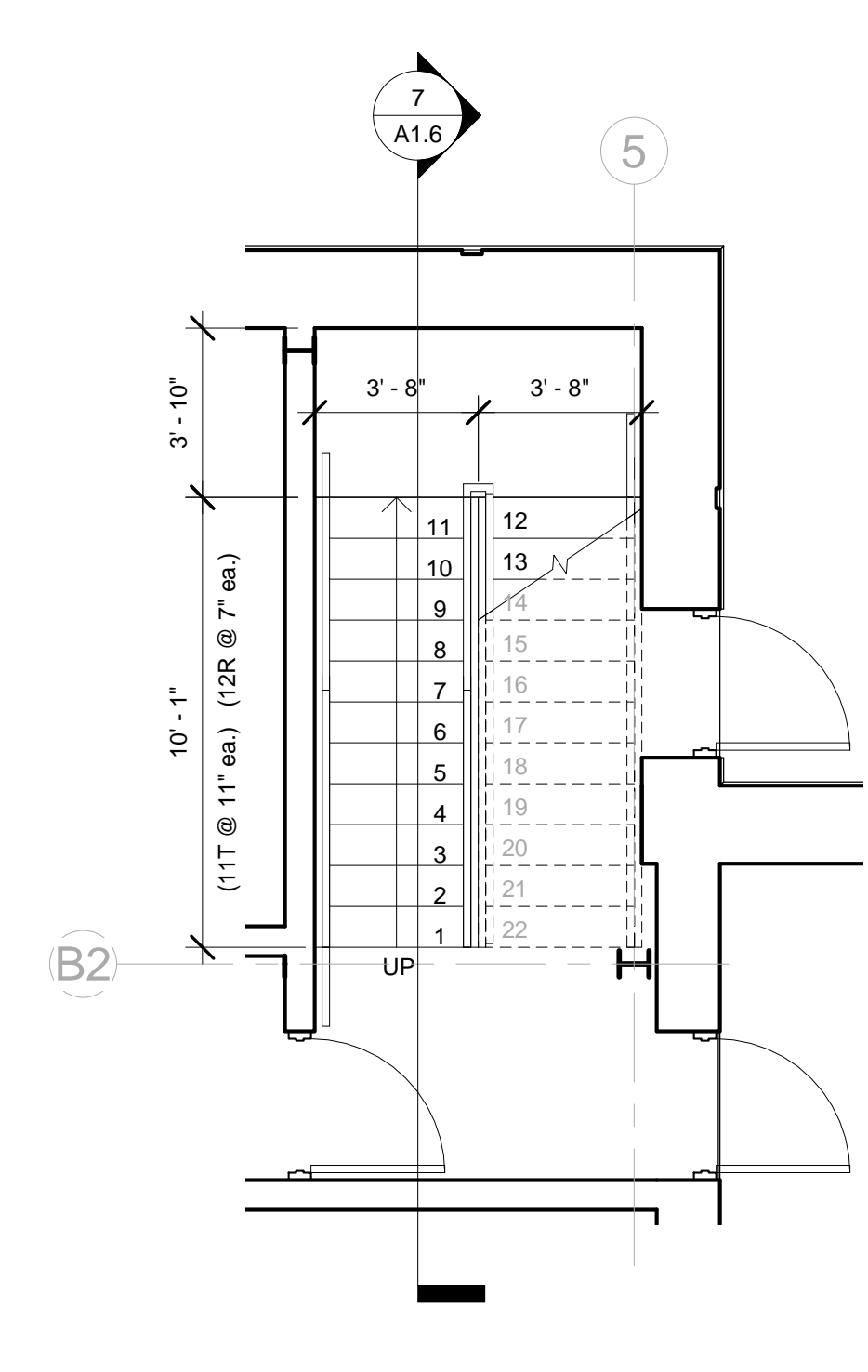
1 ENLARGED STAIRWELL "A1"  
1/4" = 1'-0"



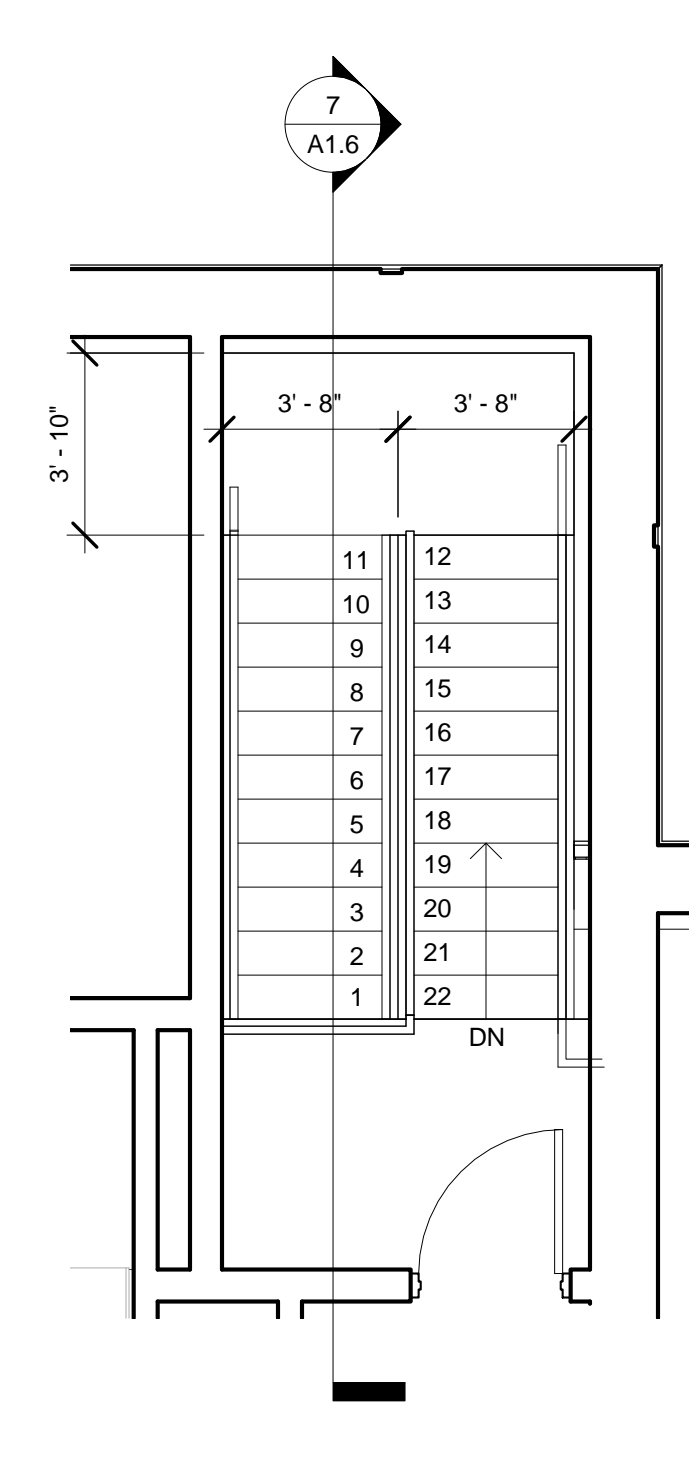
2 ENLARGED STAIRWELL "A2"  
1/4" = 1'-0"



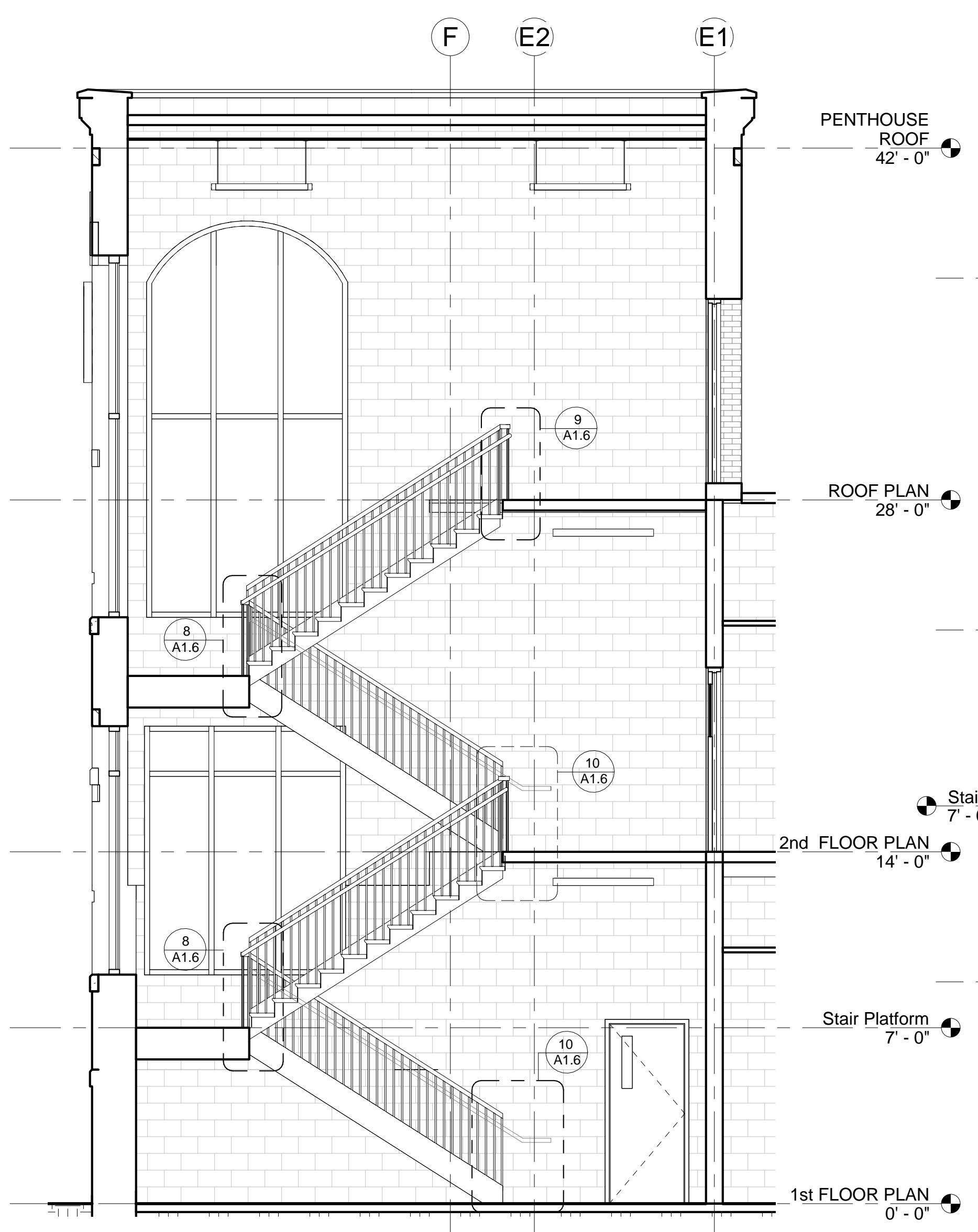
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1/4" = 1'-0"



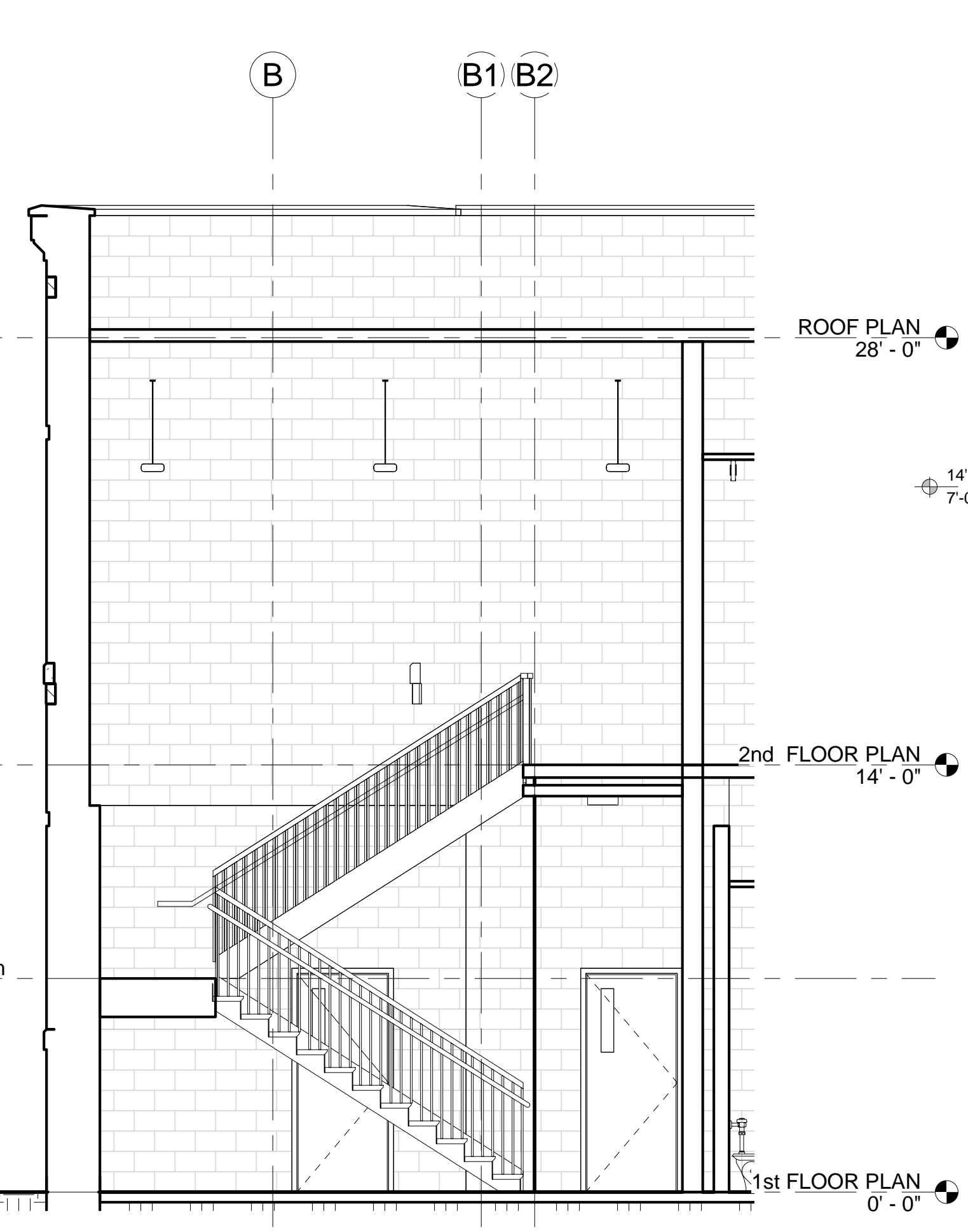
3 ENLARGED STAIRWELL "B1"  
1/4" = 1'-0"



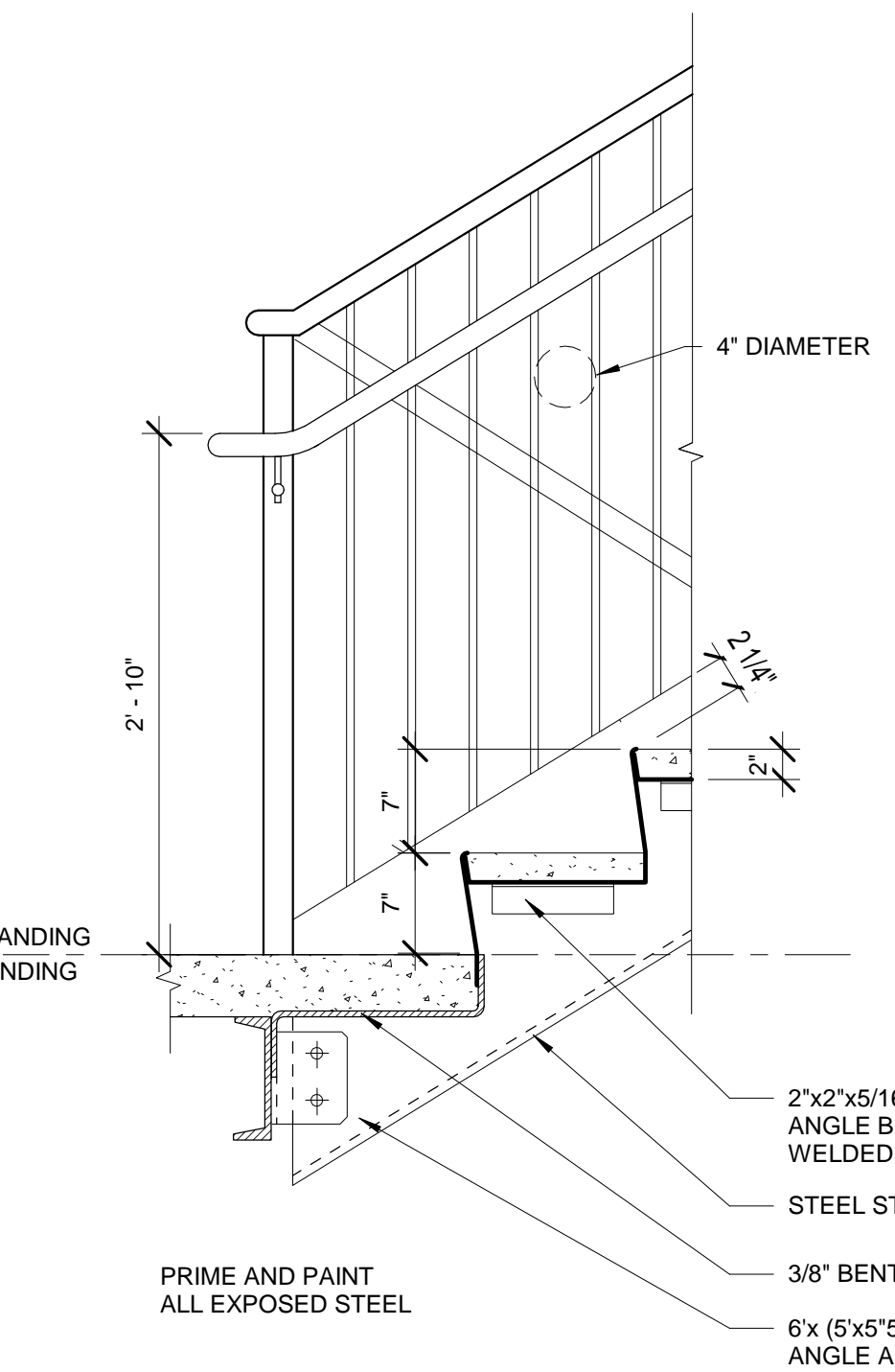
4 ENLARGED STAIRWELL "B2"  
1/4" = 1'-0"



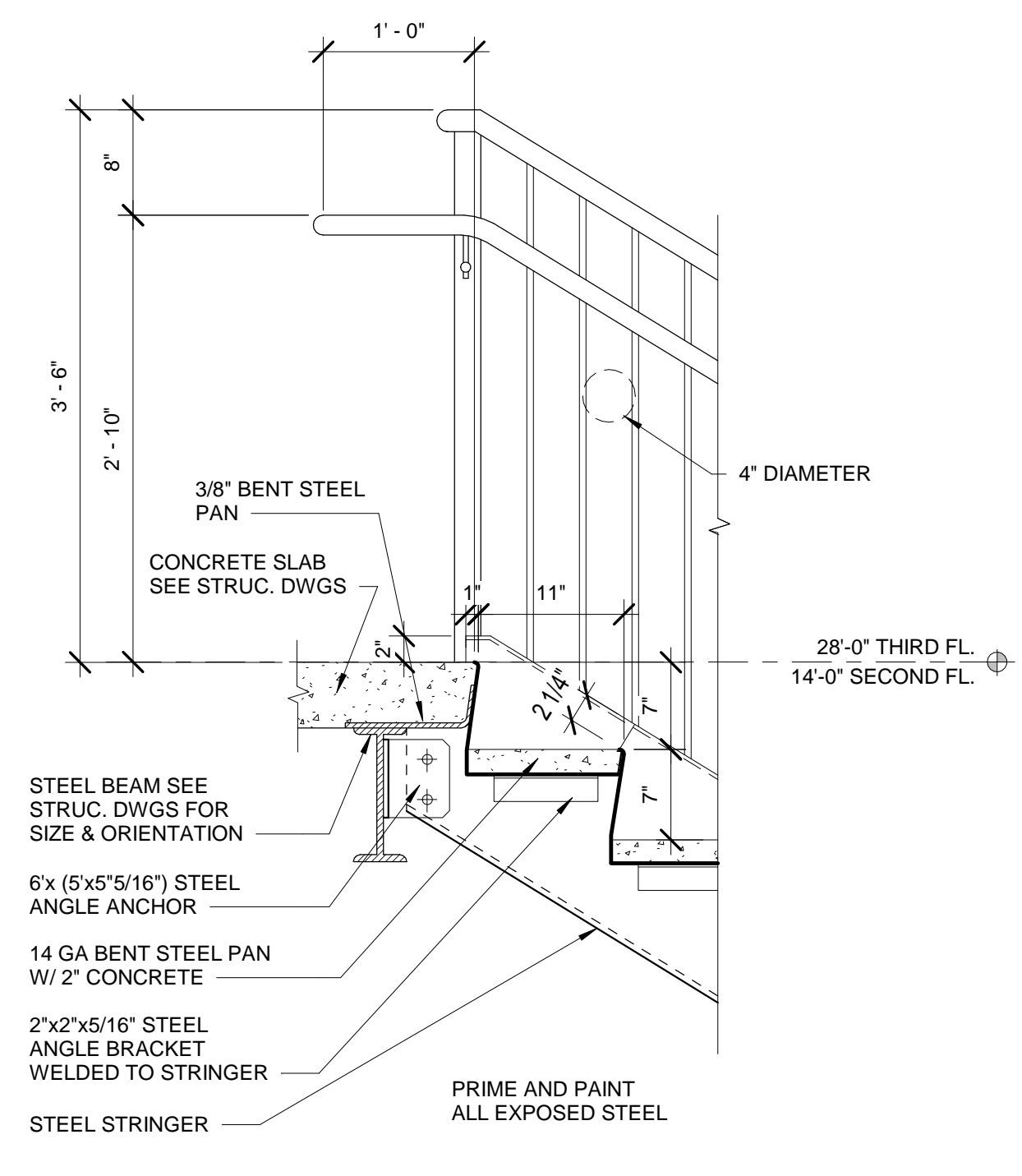
6 STAIRWELL "B" SECTION  
1/4" = 1'-0"



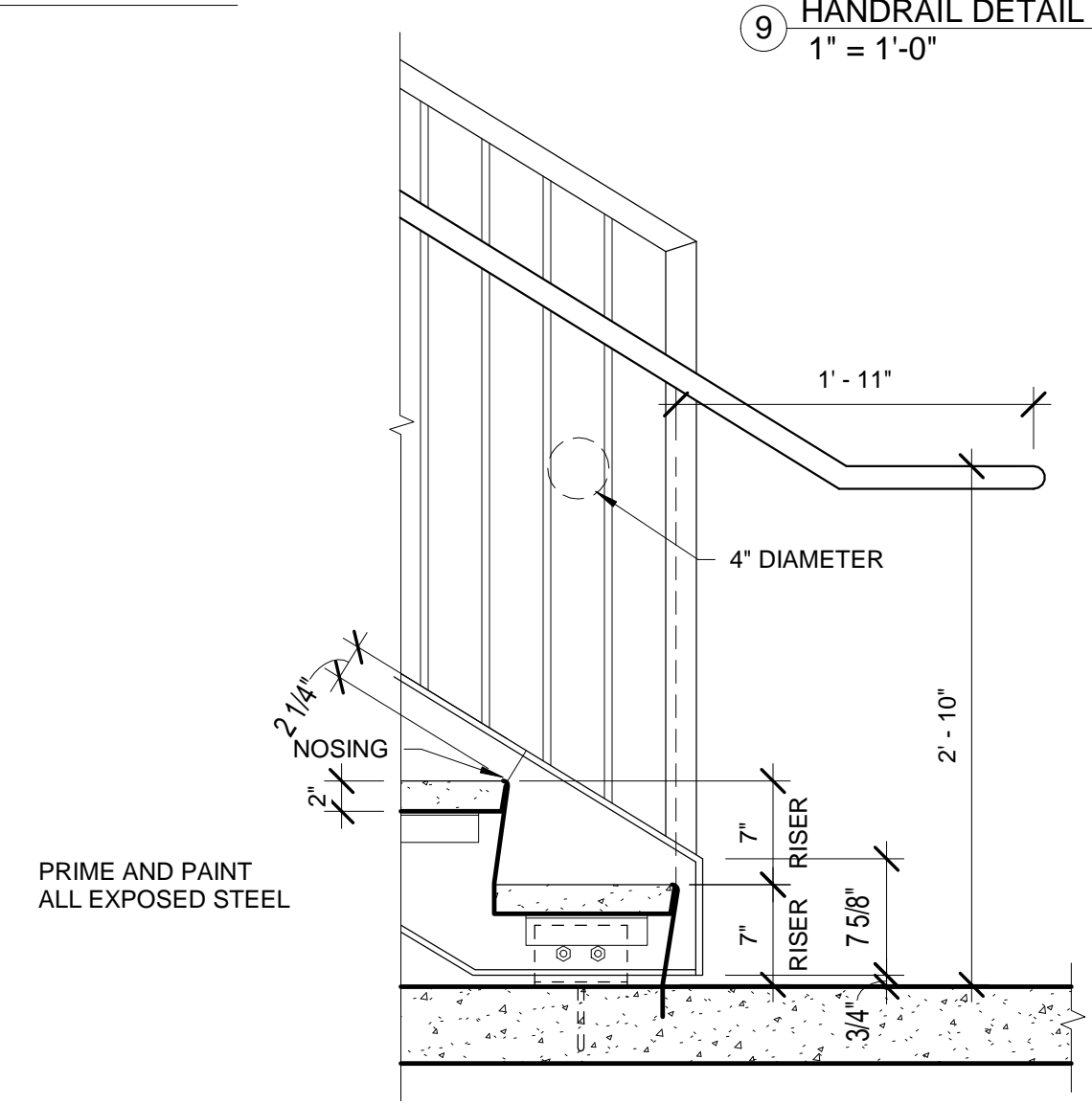
7 STAIRWELL "A" SECTION  
1/4" = 1'-0"



8 HANDRAIL DETAIL - 1  
1" = 1'-0"

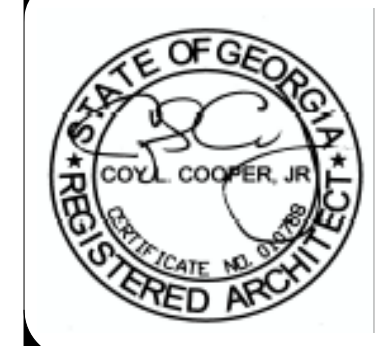


9 HANDRAIL DETAIL - 2  
1" = 1'-0"

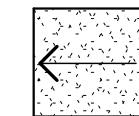



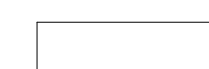


10 HANDRAIL DETAIL - 3  
1" = 1'-0"



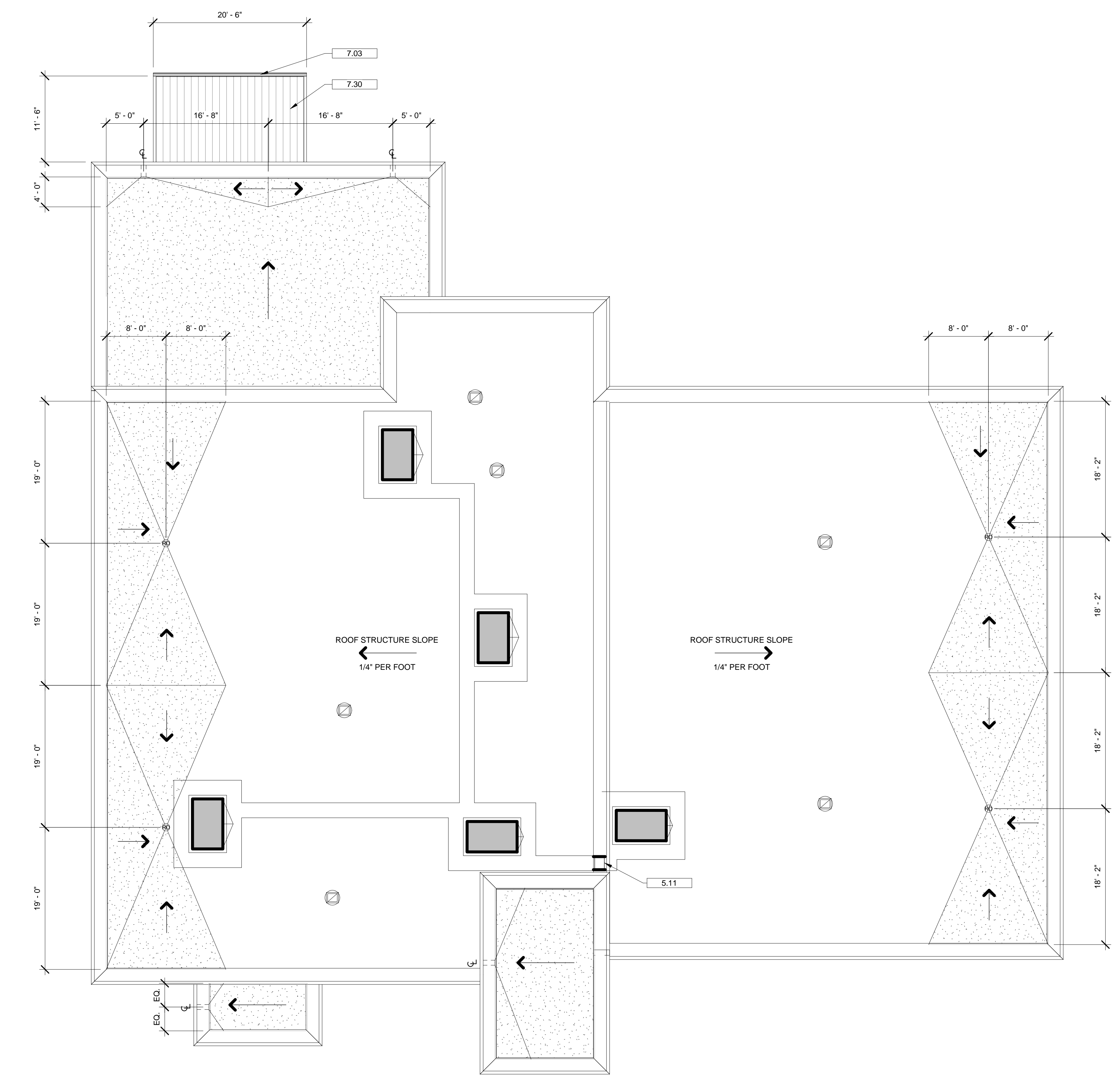


**ROOF LEGEND**

-  TAPERED INSULATION (SLOPE 1/4" PER FOOT MIN.)
-  EXHAUST FAN (SEE MECH. DWGS)
-  ROOF TOP UNIT (SEE MECH. DWGS)
-  ROOF DRAIN
-  PROTECTIVE ROOF WALKING PAD (COORDINATE WITH EQUIPMENT LOCATIONS)

**KEYNOTE LEGEND**

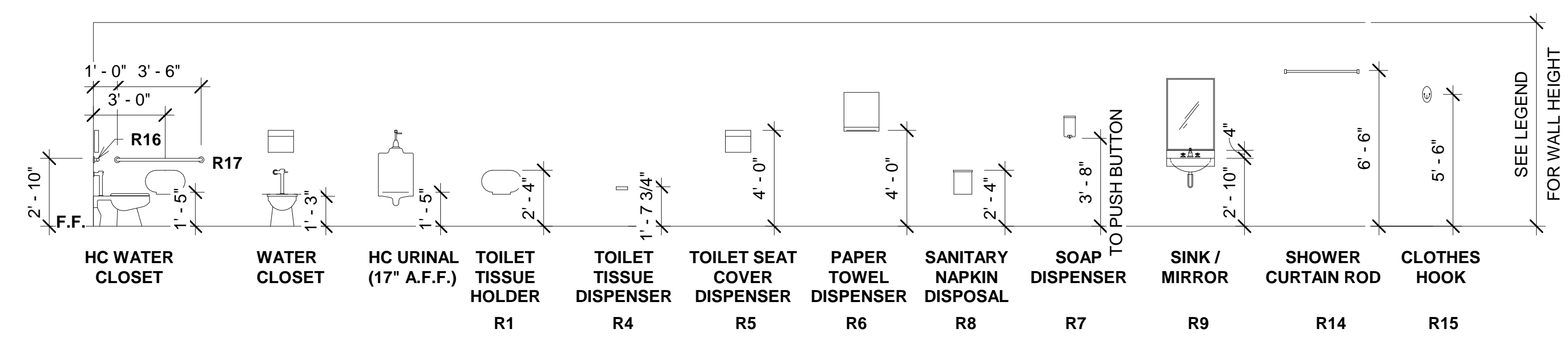
NUMBER	DESCRIPTION
5.11	STEEL LADDER



1 ROOF PLAN  
1/8" = 1'-0"

ISSUED FOR CONSTRUCTION



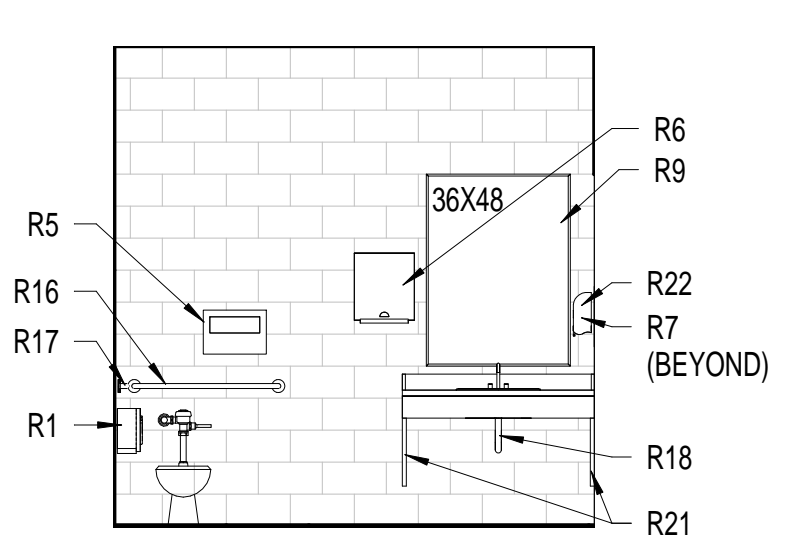


1 BATHROOM ACCESSORIES  
1/4" = 1'-0"

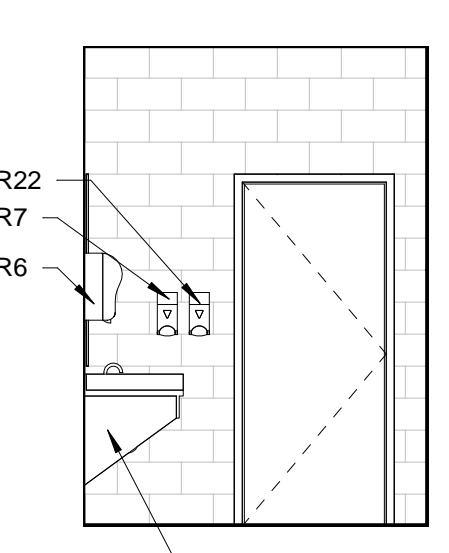
**SHEET NOTES**

- ALL DIMENSION ARE FROM FACE OF WALL TO FACE OF WALL, UNLESS NOTED OTHERWISE (UNO).
- ALL RESTROOM ACCESSORIES SHALL BE EQUAL TO BOBRICK WASHROOM EQUIPMENT SPECIFICATIONS, UNO.
- SEAL THE PERIMETER OF ALL PLUMBING FIXTURES AND ACCESSORIES AT WALLS AND FLOORS.
- PROVIDE TWO (2) CLOTHES HOOKS PER SHOWER. FINAL LOCATIONS SHALL BE DETERMINED DURING THE SUBMITTAL PROCESS.
- REFERENCE SPECIFICATION 11451 FOR APPLIANCES
- EPOXY BASE SHALL WRAP ALL PERIMETER WALLS OF SHOWER. WHERE CURB IS INDICATED, PROVIDE EPOXY AT CURB AND CONTINUE EPOXY OVER FRONT OF CURB.

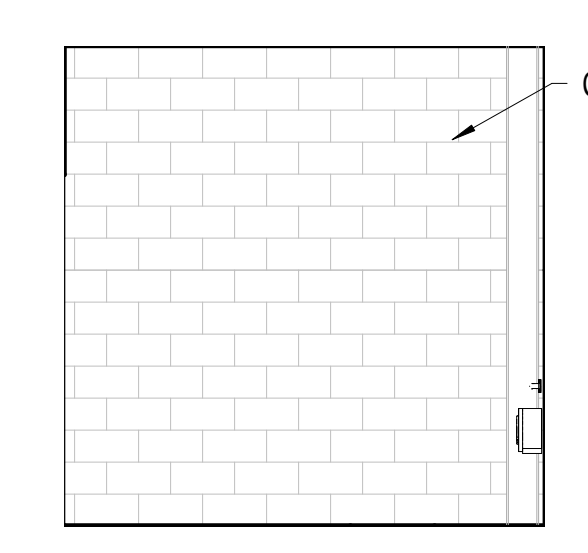
REFERENCE	DESCRIPTION
J1	UTILITY SHELF W/ HOLDERS AND HOOKS (B-224)
J2	36"x24"x10" MOP SINK
L1	WASHER / EXTRACTOR
L2	WASHER
L3	DRYER
L4	DRYING CABINET
L5	30" X 72" SS EQUIPMENT TABLE W/ OPEN BASE
L6	FIVE TIER STORAGE LOCKERS
L7	24" WIDE GEAR LOCKERS
L8	18" WIDE GEAR LOCKERS
L9	24" WIDE PERSONAL LOCKERS
L10	SINGLE TIER STORAGE LOCKERS
L11	BOOT WASHER
R1	TOILET TISSUE HOLDER (B-2892)
R2	NOT USED
R3	NOT USED
R4	TOILET TISSUE DISPENSER (B-273)
R5	TOILET SEAT COVER DISPENSER (B-301)
R6	PAPER TOWEL DISPENSER (B-318)
R7	SOAP DISPENSER (B-42)
R8	SANITARY NAPKIN DISPOSAL (B254)
R9	MIRROR (B-165)
R10	24" X 48" URINAL SCREEN
R11	NOT USED
R12	WATER FOUNTAIN
R13	SHOWER HEAD
R14	SHOWER ROD AND CURTAIN (B-6107 AND B-204-2)
R15	CLOTHES HOOK (B233) (REF SHEET NOTES)
R16	36" GRAB BAR
R17	42" GRAB BAR
R18	P-TRAP INSULATION
R19	FOLDING SEAT (B-5191)
R20	SHOWER STALL GRAB BAR (B-61616)
R21	COUNTER BRACKET / SHIELD
R22	HAND SANITIZER DISPENSER
R23	NOT USED



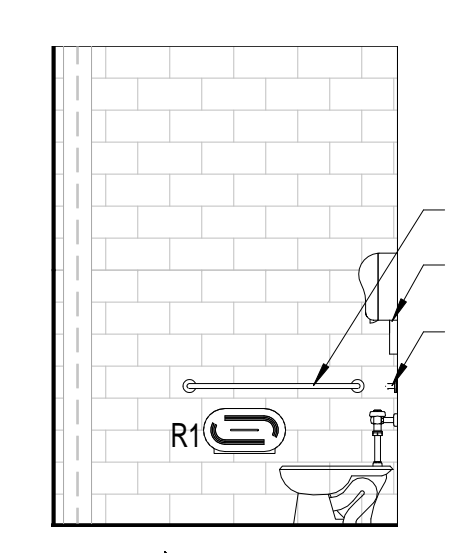
2 RESTROOM 101  
1/4" = 1'-0"



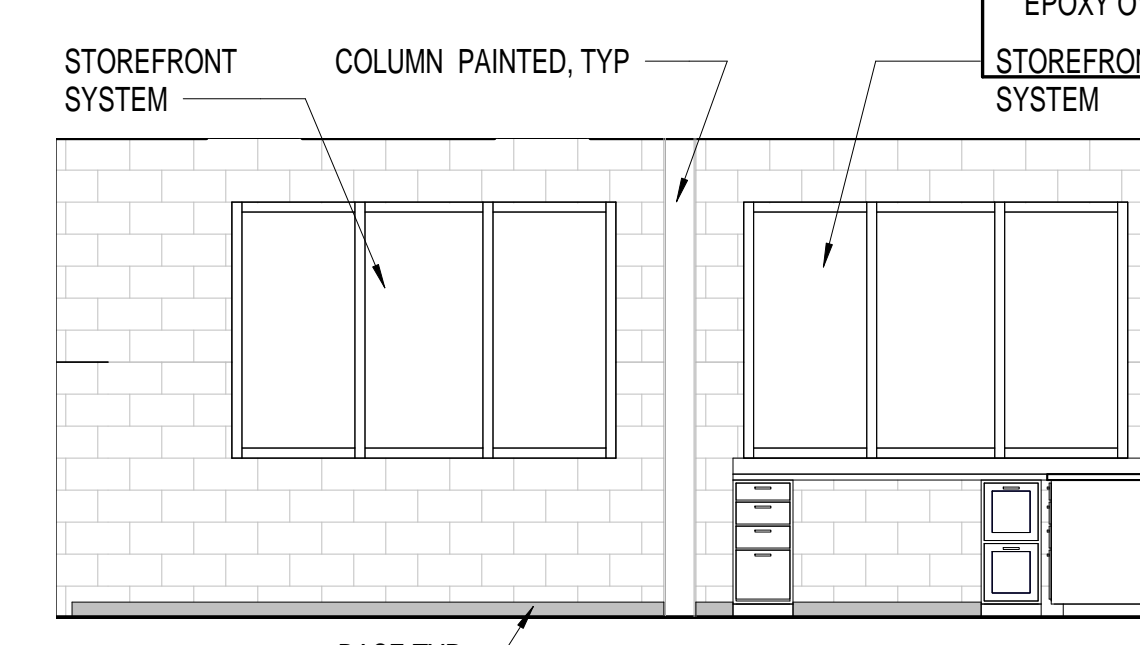
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1/4" = 1'-0"



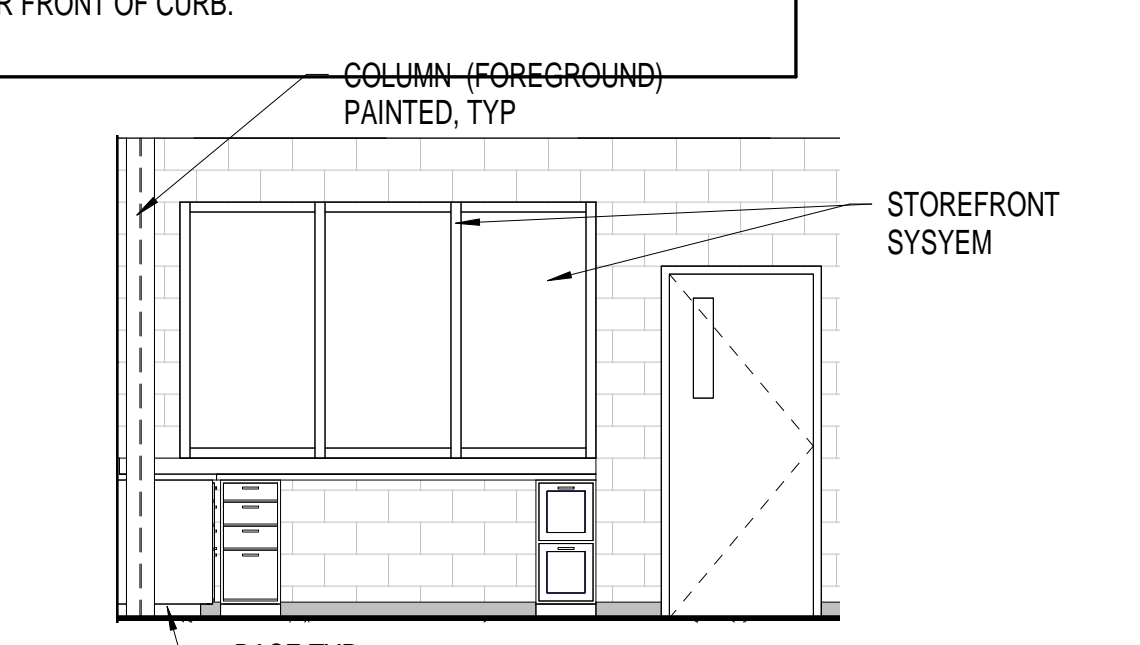
4 RESTROOM 101  
1/4" = 1'-0"



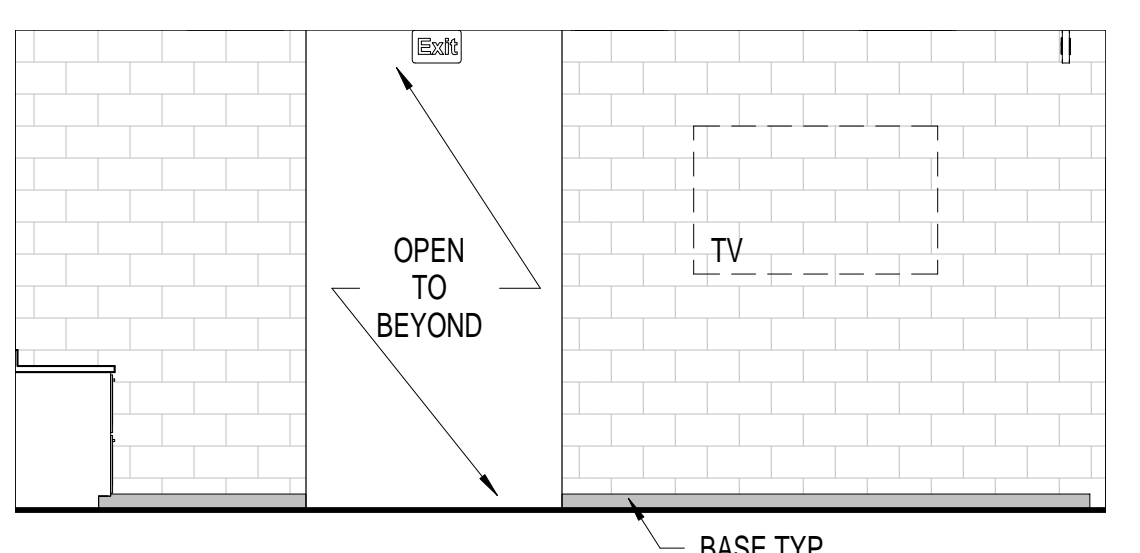
5 RESTROOM 101  
1/4" = 1'-0"



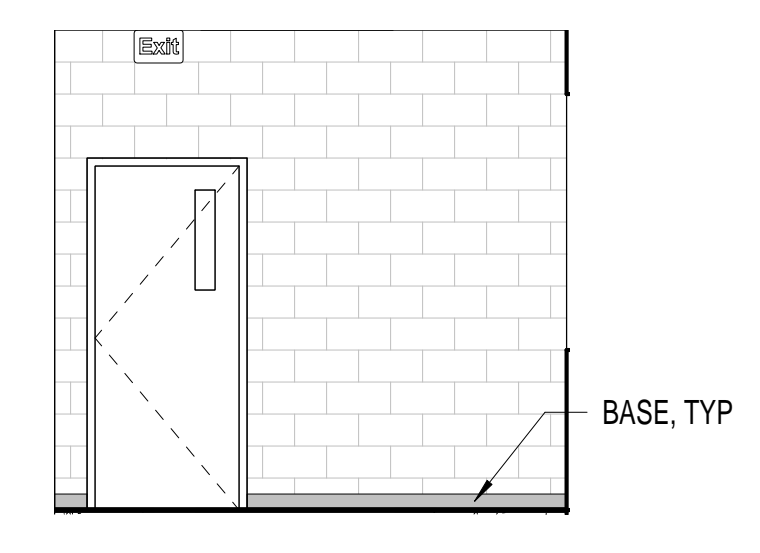
6 WATCH OFFICE 100  
1/4" = 1'-0"



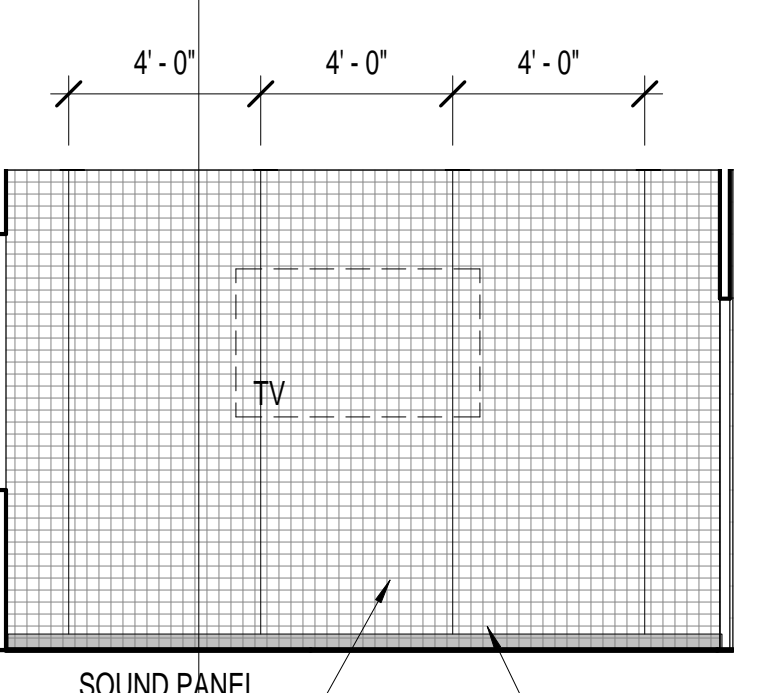
7 WATCH OFFICE 100  
1/4" = 1'-0"



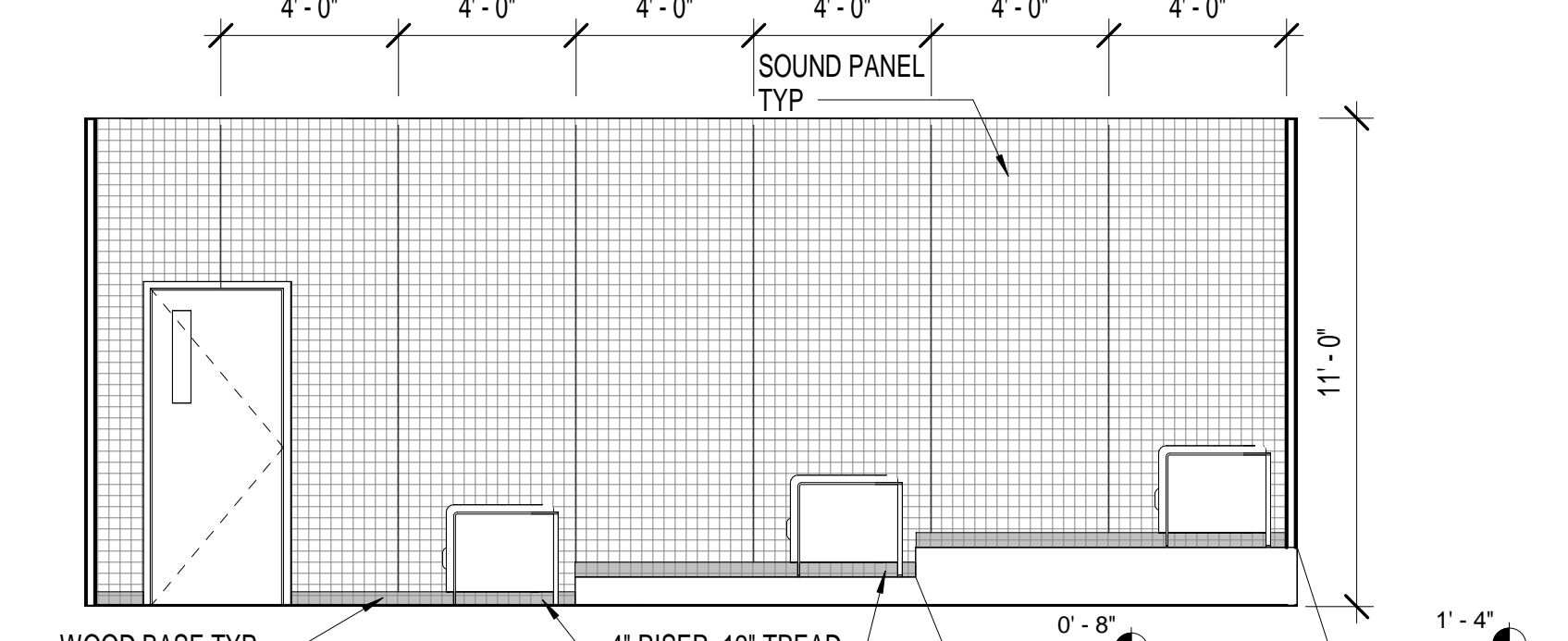
8 WATCH OFFICE 100  
1/4" = 1'-0"



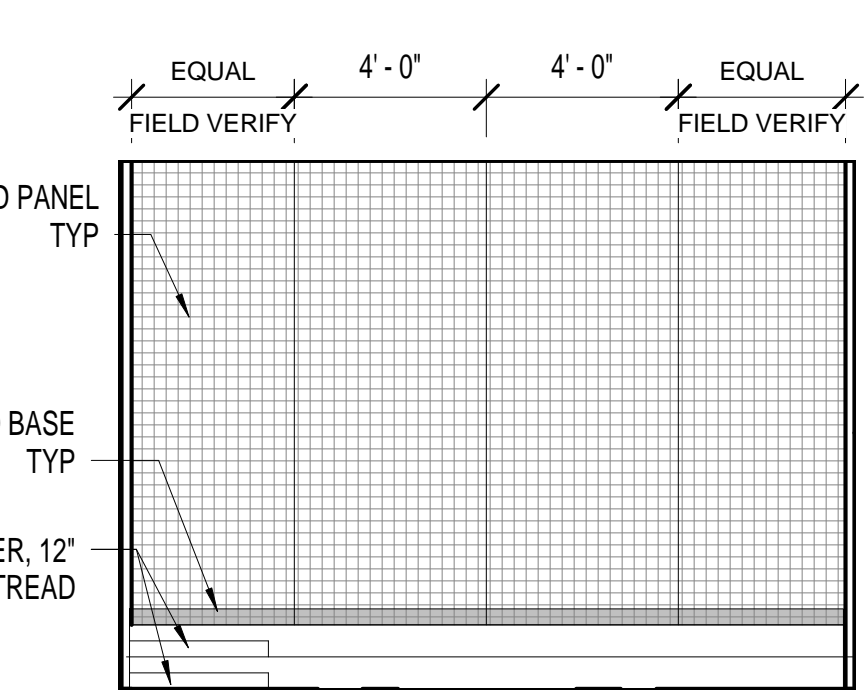
9 WATCH OFFICE 100  
1/4" = 1'-0"



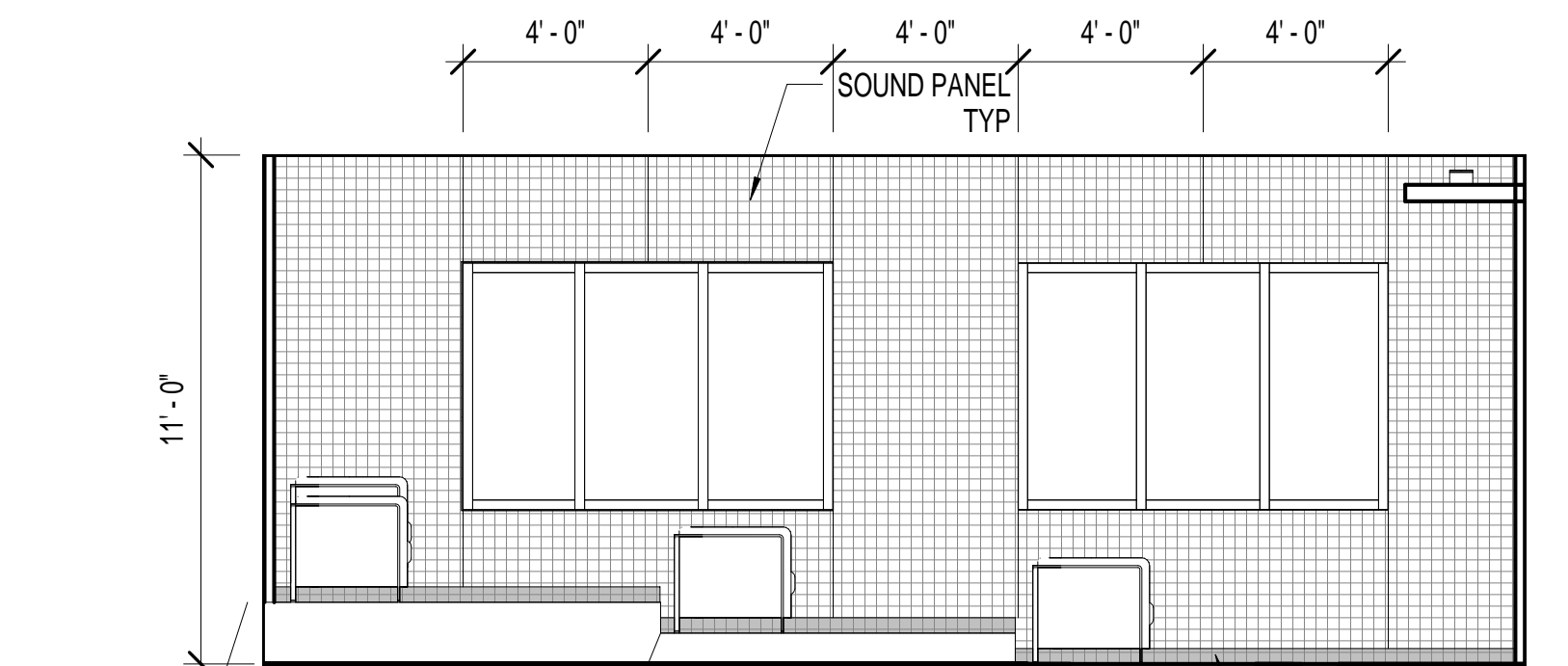
10 LOUNGE 108  
1/4" = 1'-0"



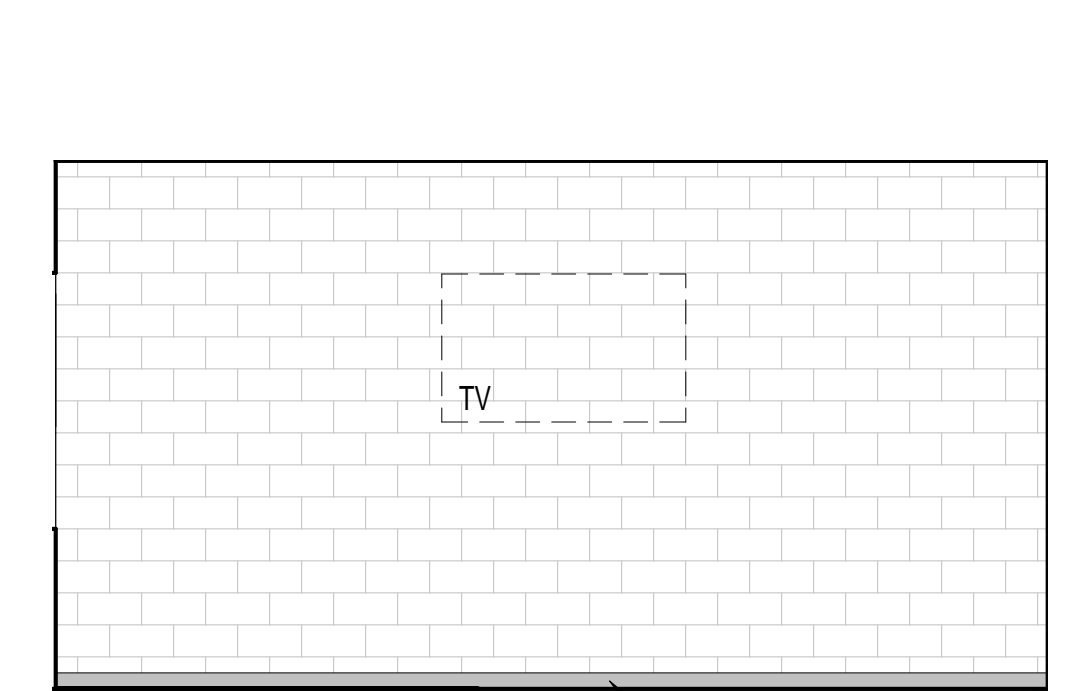
11 LOUNGE 108  
1/4" = 1'-0"



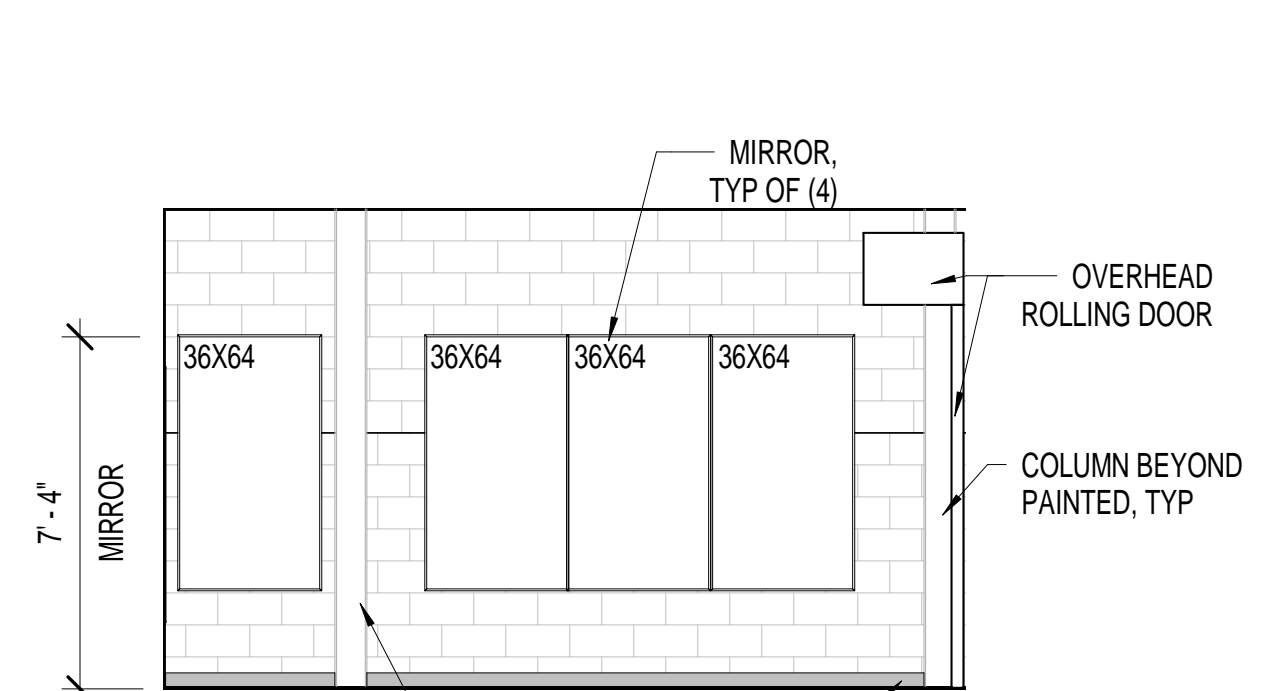
12 LOUNGE 108  
1/4" = 1'-0"



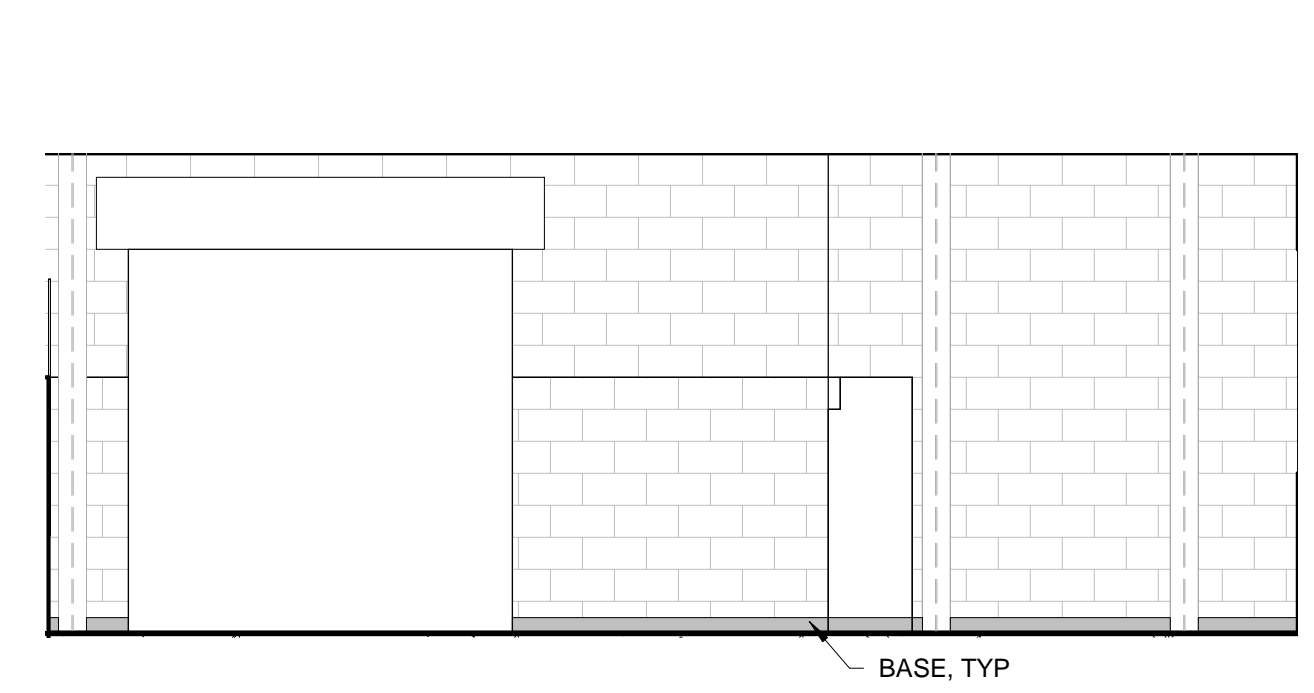
13 LOUNGE 108  
1/4" = 1'-0"



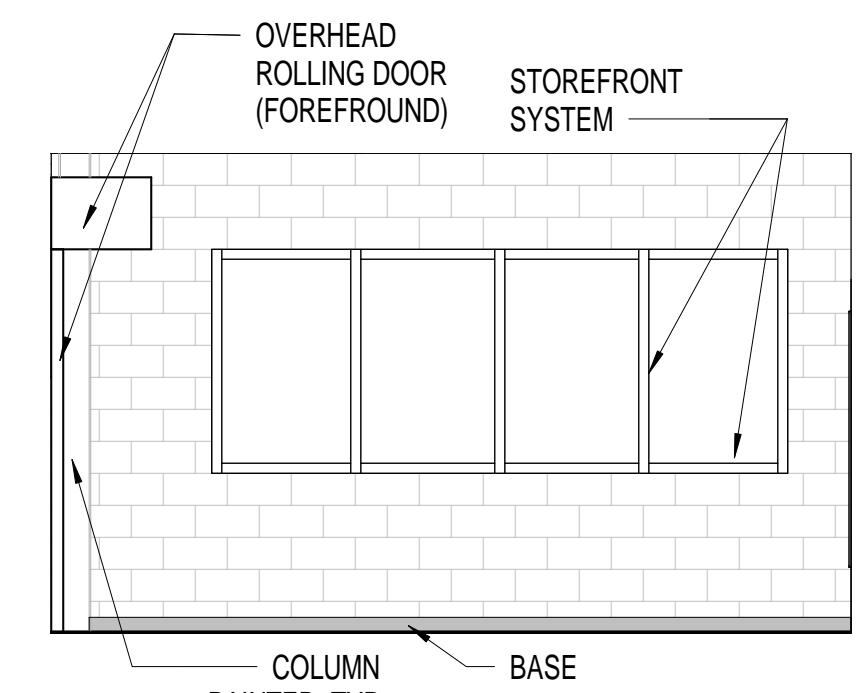
14 MULTI-PURPOSE 102  
1/4" = 1'-0"



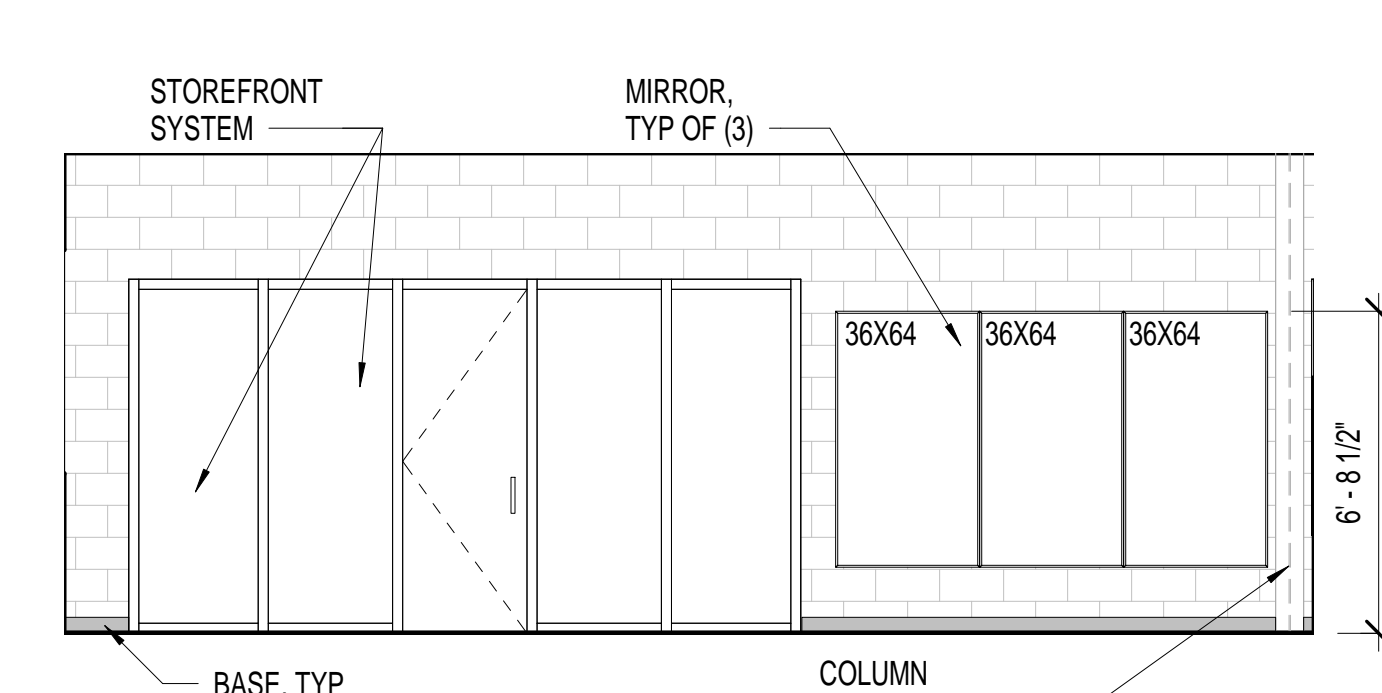
15 FITNESS 111  
1/4" = 1'-0"



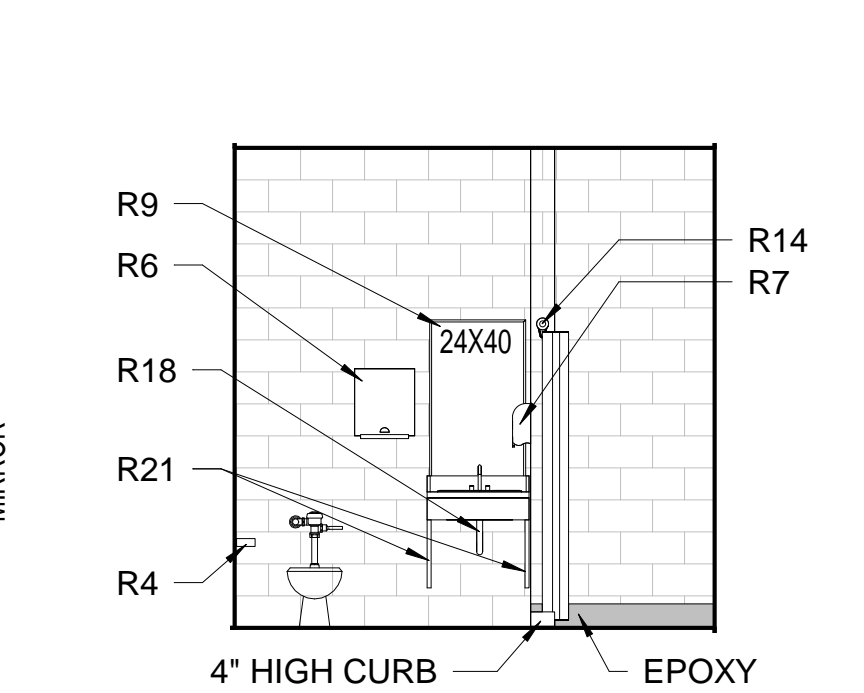
16 FITNESS 111  
1/4" = 1'-0"



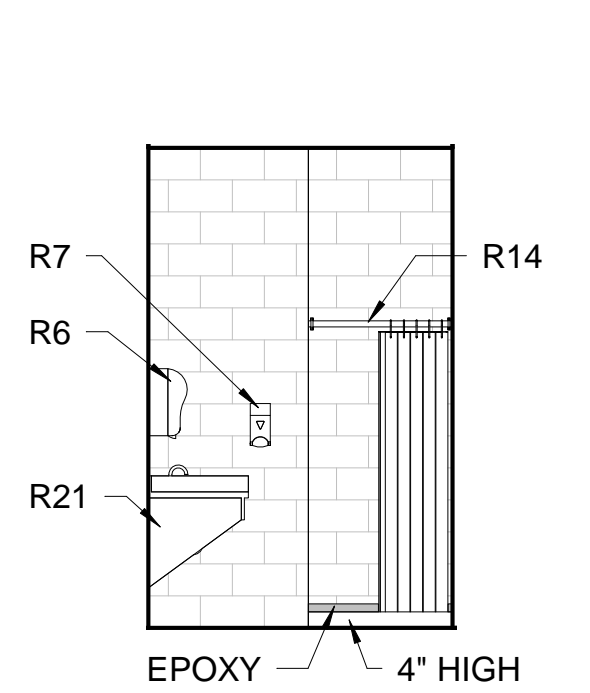
17 FITNESS 111  
1/4" = 1'-0"



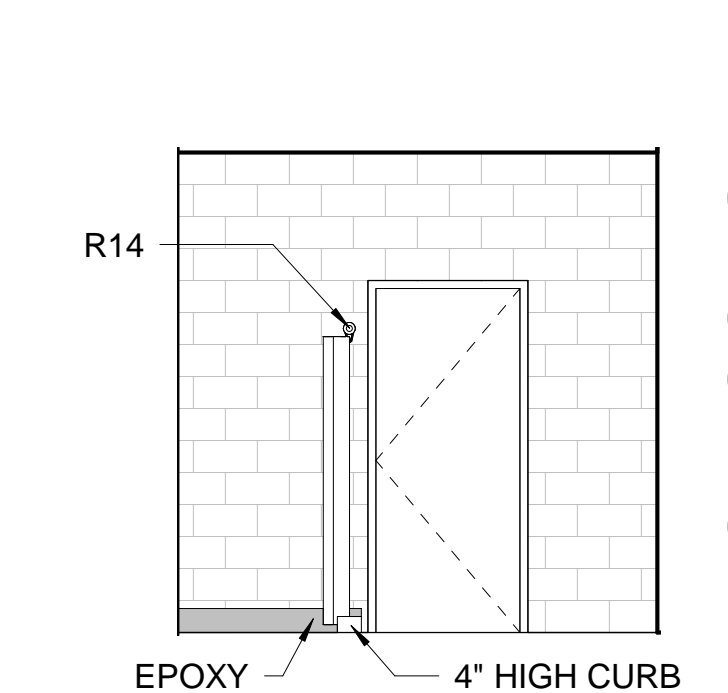
18 FITNESS 111  
1/4" = 1'-0"



19 RESTROOM 203C  
1/4" = 1'-0"

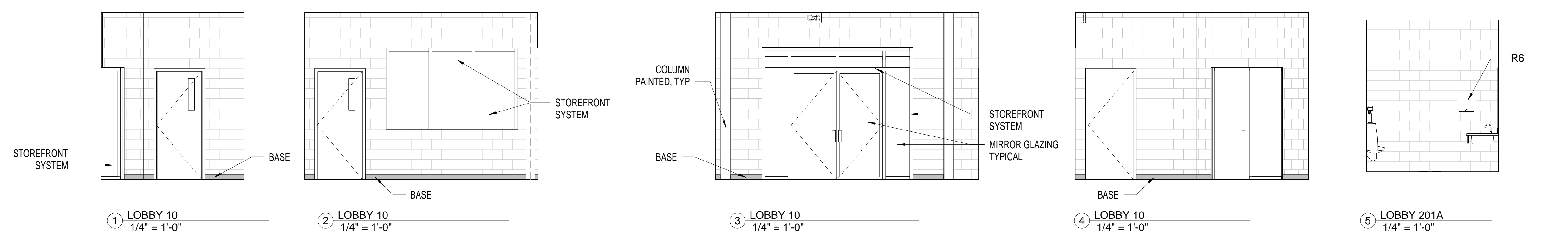


20 RESTROOM 203C  
1/4" = 1'-0"



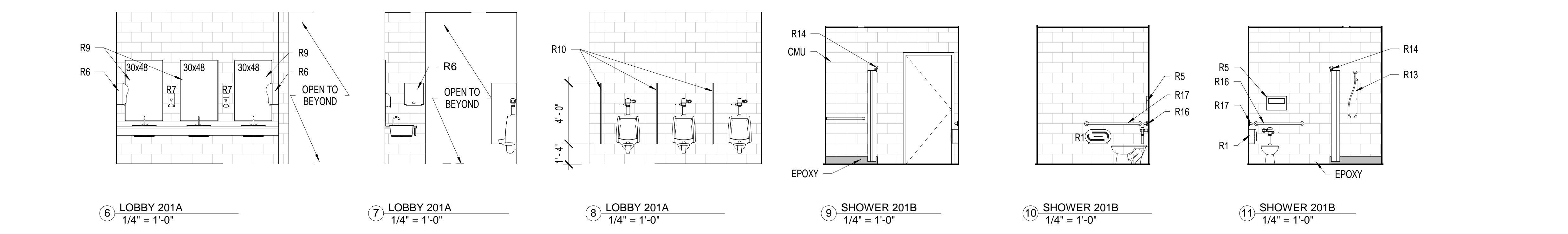
21 RESTROOM 203C  
1/4" = 1'-0"





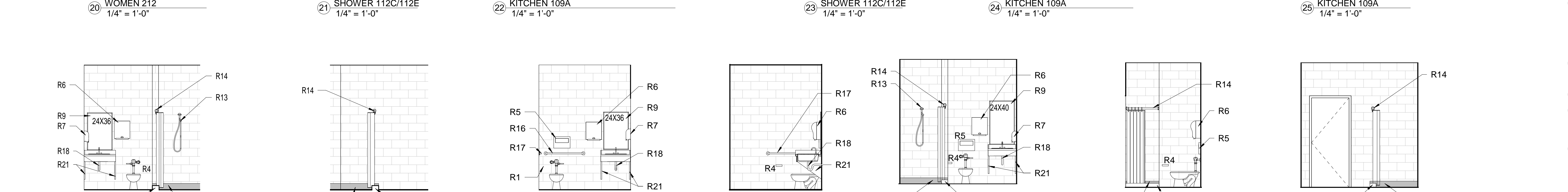
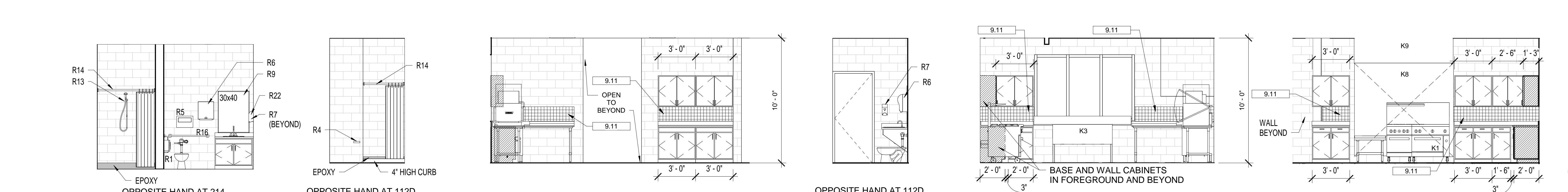
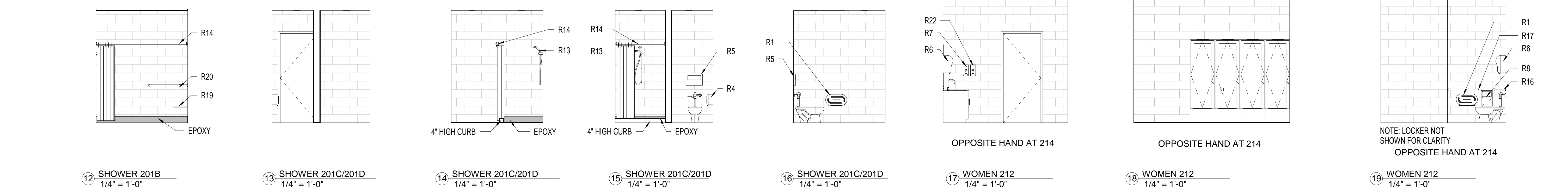
**SHEET NOTES**

1. REFERENCE EQUIPMENT LEGEND ON SHEET A2.1
2. ALL DIMENSION ARE FROM FACE OF WALL TO FACE OF WALL, UNLESS NOTED OTHERWISE (UNO).
3. ALL RESTROOM ACCESSORIES SHALL BE EQUAL TO BOBRICK WASHROOM EQUIPMENT SPECIFICATIONS, UNO.
4. SEAL THE PERIMETER OF ALL PLUMBING FIXTURES AND ACCESSORIES AT WALLS AND FLOORS.
5. PROVIDE TWO (2) CLOTHES HOOKS PER SHOWER. FINAL LOCATIONS SHALL BE DETERMINED DURING THE SUBMITTAL PROCESS.
6. REFERENCE SPECIFICATION 11451 FOR APPLIANCES
7. EPOXY BASE SHALL WRAP ALL PERIMETER WALLS OF SHOWER. WHERE CURB IS INDICATED, PROVIDE EPOXY AT CURB AND CONTINUE EPOXY OVER FRONT OF CURB.



**KEYNOTE LEGEND**

NUMBER	DESCRIPTION
9.11	4X4 CERAMIC TILE



**INTERIOR ELEVATIONS**  
**DEKALB COUNTY FIRE STATION**  
**No. 7**  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

**BROWN DESIGN GROUP**  
 ARCHITECTS: PLANNERS: INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA 30344  
 (P) 404-559-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

**ISSUED FOR CONSTRUCTION**  
 CHECKED: CC  
 DRAWN: RR  
 SCALE: As Indicated  
 DWG. DATE: 01/09/2019  
 PRINT DATE: 9/3/2019 11:34:48 AM  
 JOB NO.: B1605-02  
 SHEET  
**A2.2**





**SHEET NOTES**

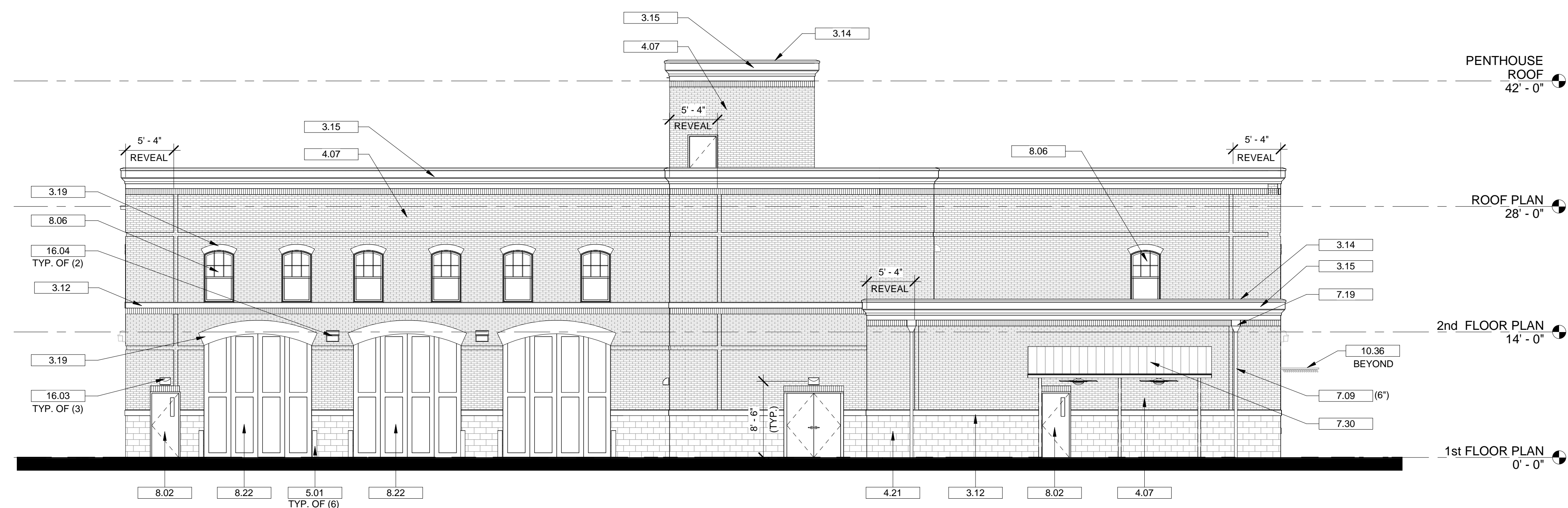
1. ALL FINAL FINISHES SHALL BE SELECTED BY ARCHITECT OR OWNERS REPRESENTATIVE DURING THE SUBMITTAL PROCESS. CONTRACT SHALL SUBMIT A FULL RANGES OF COLORS FROM MANUFACTURERS STANDARD COLORS AND FINISHES.
2. HOLLOW METAL STEEL DOORS AND FRAMES, EXPOSED METAL FLASHING, AND MISCELLANEOUS STEEL SHALL BE PAINTED.
3. ALL SIGNAGE SHALL BE PERMITTED SEPARATELY

**KEYNOTE LEGEND**

NUMBER	DESCRIPTION
3.12	8" HIGH PRECAST CONCRETE SILL
3.14	PRECAST CONCRETE COPING
3.15	PRECAST CONCRETE CORNICE
3.19	PRECAST CONCRETE ARCH
4.07	BRICK VENEER
4.21	12" GROUND FACE CMU
5.01	PAINTED 6" PIPE BOLLARD
7.09	PREFINISHED METAL DOWNSPOUT (SIZE NOTED BESIDE KEYNOTE)
7.19	PREFINISHED METAL SCUPPER
7.30	PREFINISHED METAL CANOPY SYSTEM
8.02	HOLLOW METAL DOOR AND FRAME
8.05	ALUMINUM STOREFRONT
8.06	ALUMINUM FIXED WINDOW
8.22	VERTICAL FOLDING DOOR
10.36	SUN SHADE LOUVRE
16.03	EXTERIOR WALL MOUNTED LED LIGHT FIXTURE
16.04	EXTERIOR WALL MOUNTED LED WALL PACK FIXTURE
16.06	4" DIAMETER CANISTER WALL CLOCK (ELECTRIC W/LIGHT)

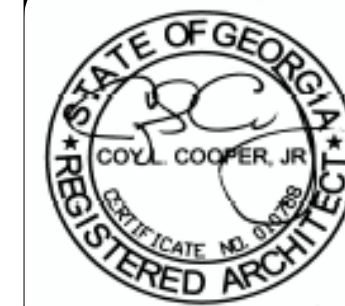


① FRONT ELEVATION  
1/8" = 1'-0"



⑤ REAR ELEVATION  
1/8" = 1'-0"





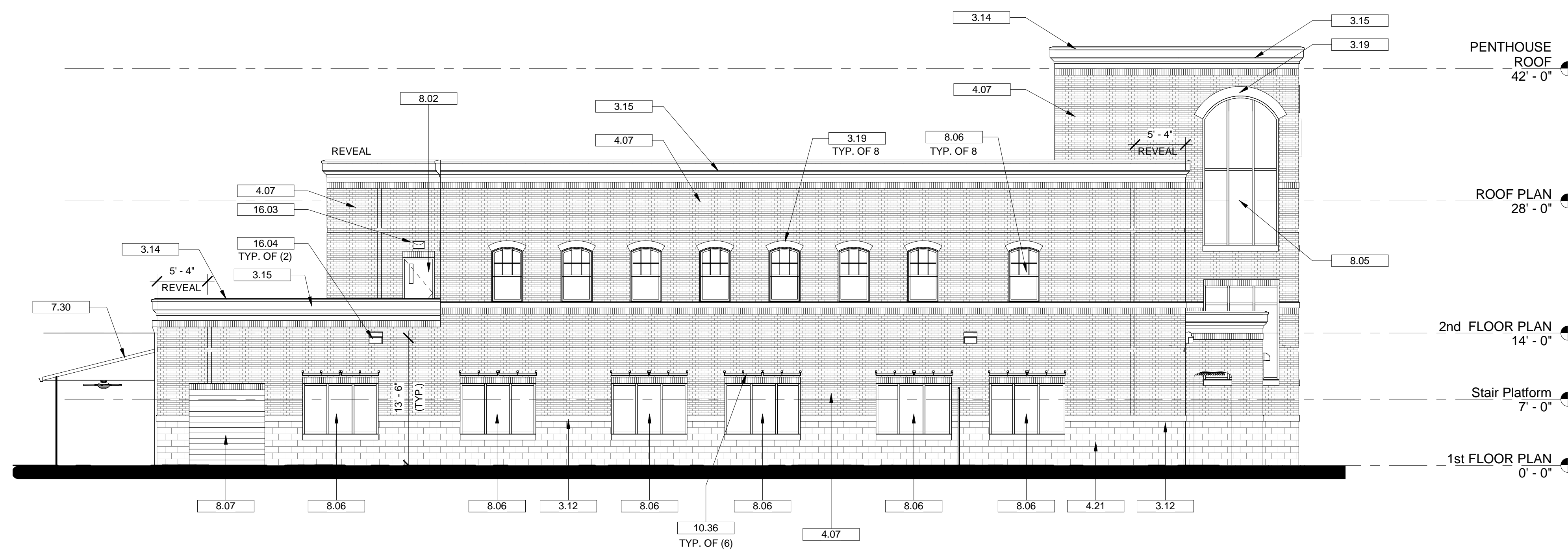
ISSUED FOR CONSTRUCTION

**SHEET NOTES**

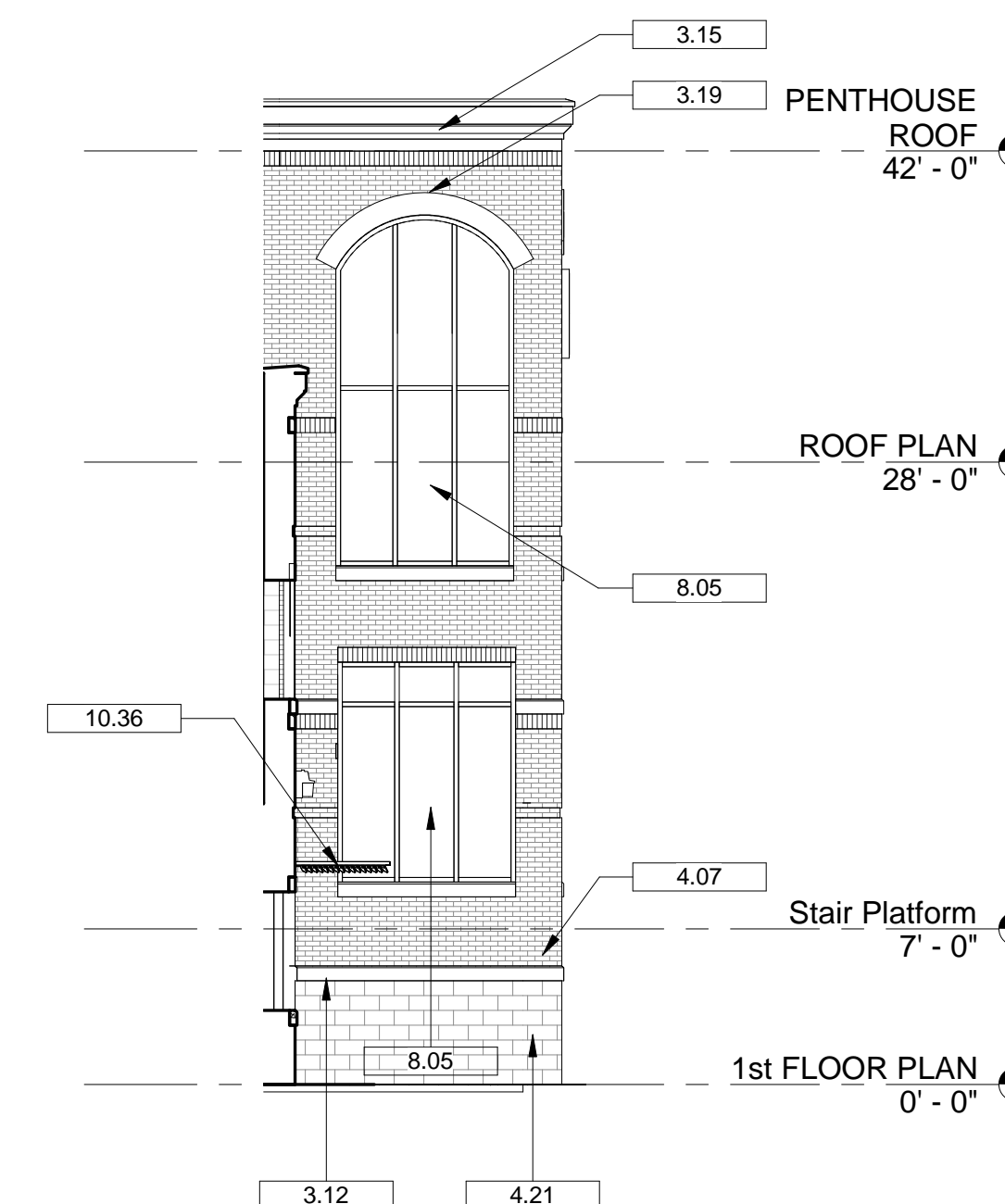
- ALL FINAL FINISHES SHALL BE SELECTED BY ARCHITECT OR OWNERS REPRESENTATIVE DURING THE SUBMITTAL PROCESS. CONTRACT SHALL SUBMIT A FULL RANGES OF COLORS FROM MANUFACTURERS STANDARD COLORS AND FINISHES.
- HOLLOW METAL STEEL DOORS AND FRAMES, EXPOSED METAL FLASHING, AND MISCELLANEOUS STEEL SHALL BE PAINTED.

**KEYNOTE LEGEND**

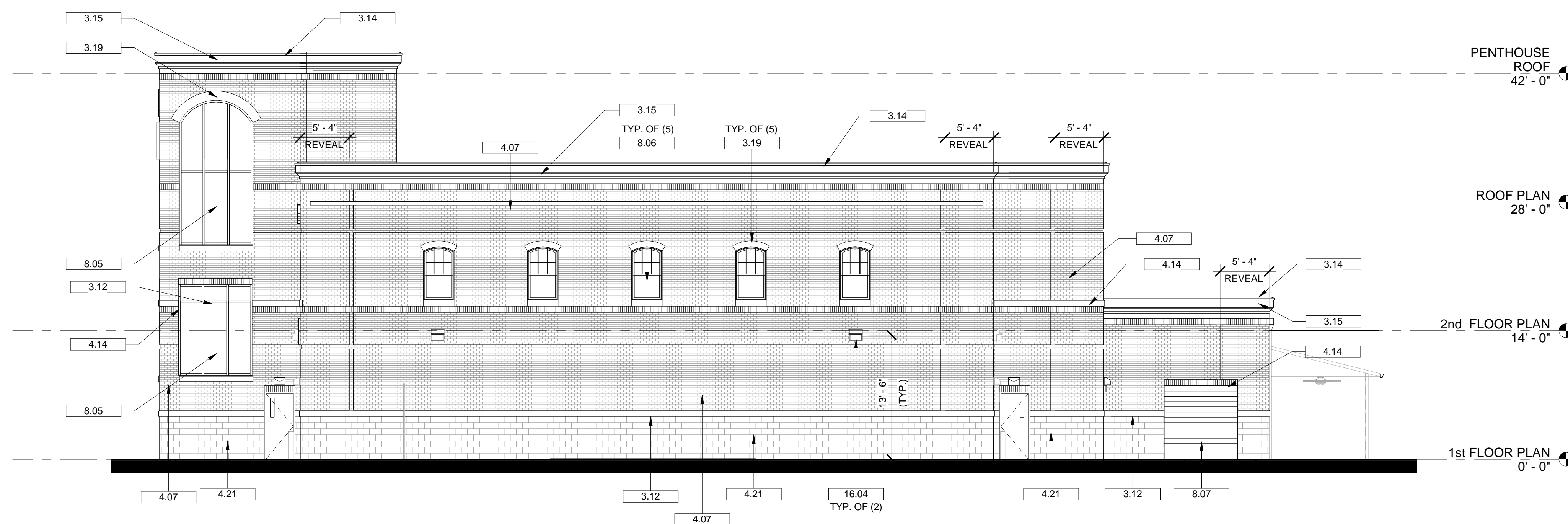
NUMBER	DESCRIPTION
3.12	8" HIGH PRECAST CONCRETE SILL
3.14	PRECAST CONCRETE COPING
3.15	PRECAST CONCRETE CORNICE
3.19	PRECAST CONCRETE ARCH
4.07	BRICK VENEER
4.14	BRICK SOLDIER COURSE
4.21	12" GROUND FACE CMU
7.30	PREFINISHED METAL CANOPY SYSTEM
8.02	HOLLOW METAL DOOR AND FRAME
8.05	ALUMINUM STOREFRONT
8.06	ALUMINUM FIXED WINDOW
8.07	OVERHEAD COILING DOOR
10.36	SUN SHADE LOUVRE
16.03	EXTERIOR WALL MOUNTED LED LIGHT FIXTURE
16.04	EXTERIOR WALL MOUNTED LED WALL PACK FIXTURE



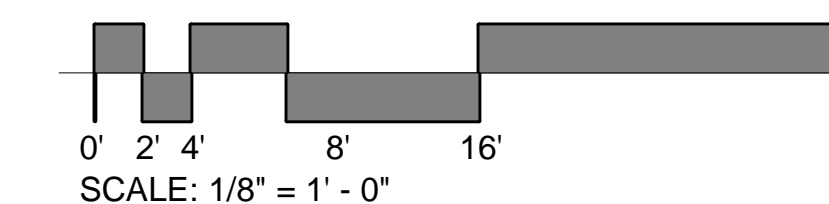
① LEFT SIDE ELEVATION A  
1/8" = 1'-0"



③ LEFT SIDE ELEVATION B  
1/8" = 1'-0"

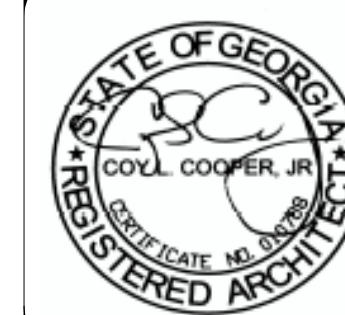


② RIGHT SIDE ELEVATION  
1/8" = 1'-0"

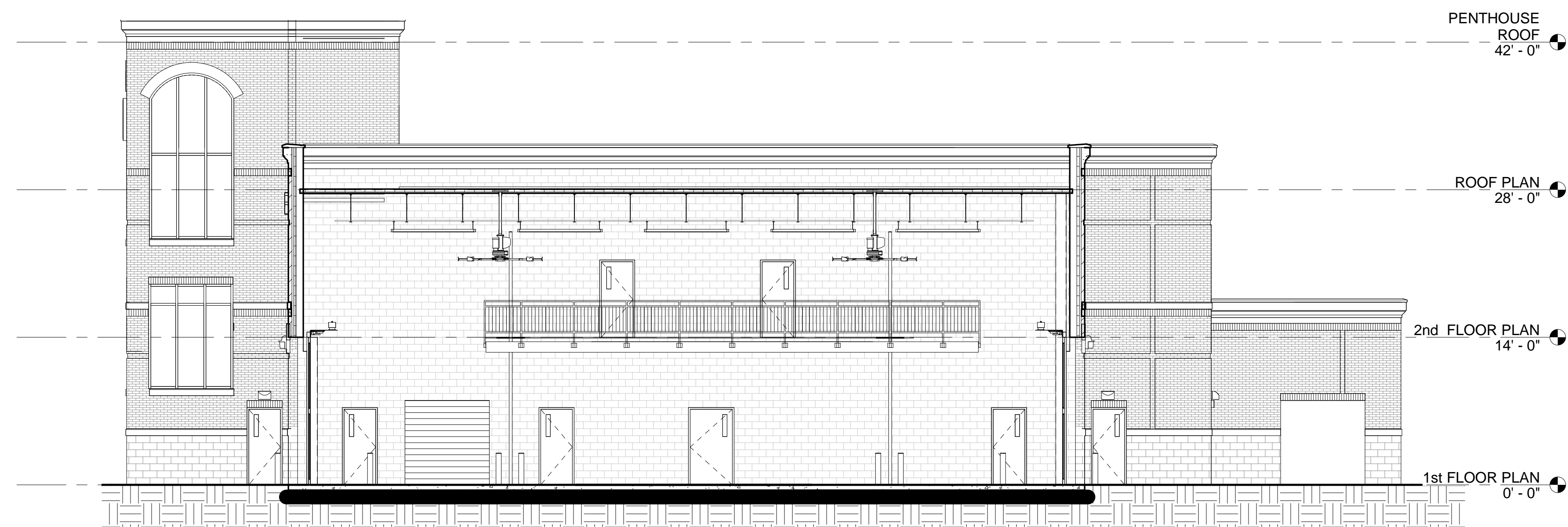




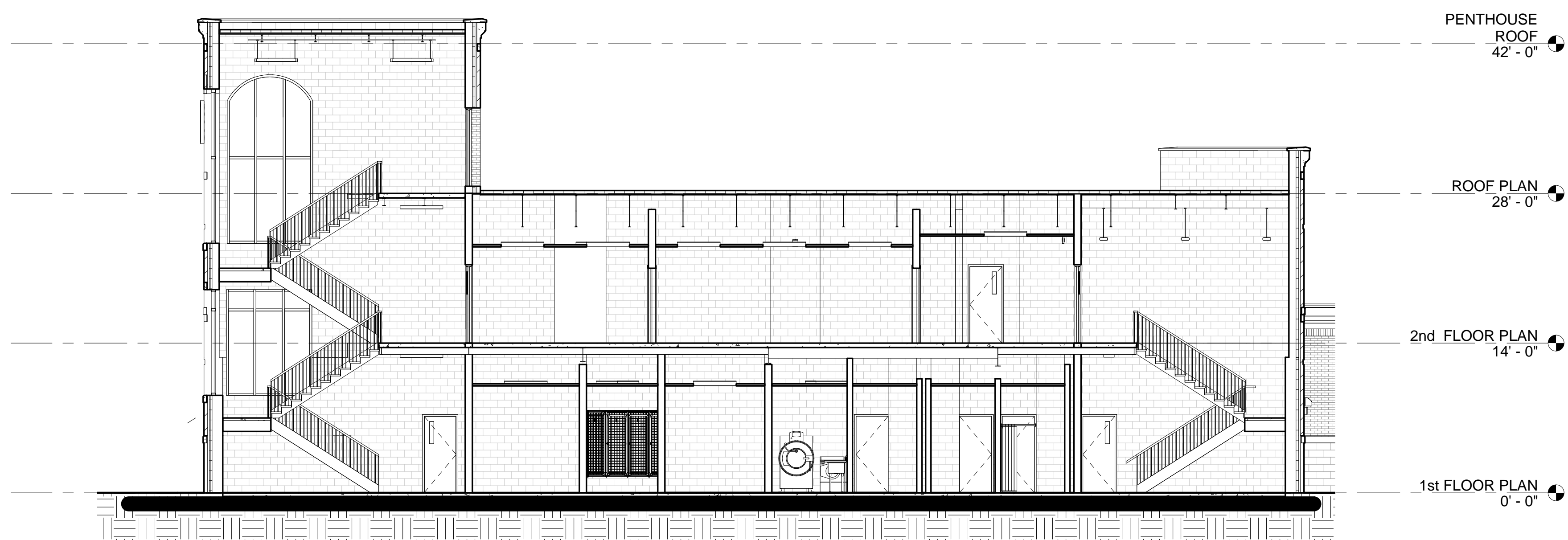
REVISIONS		
NO.	DESCRIPTION	DATE



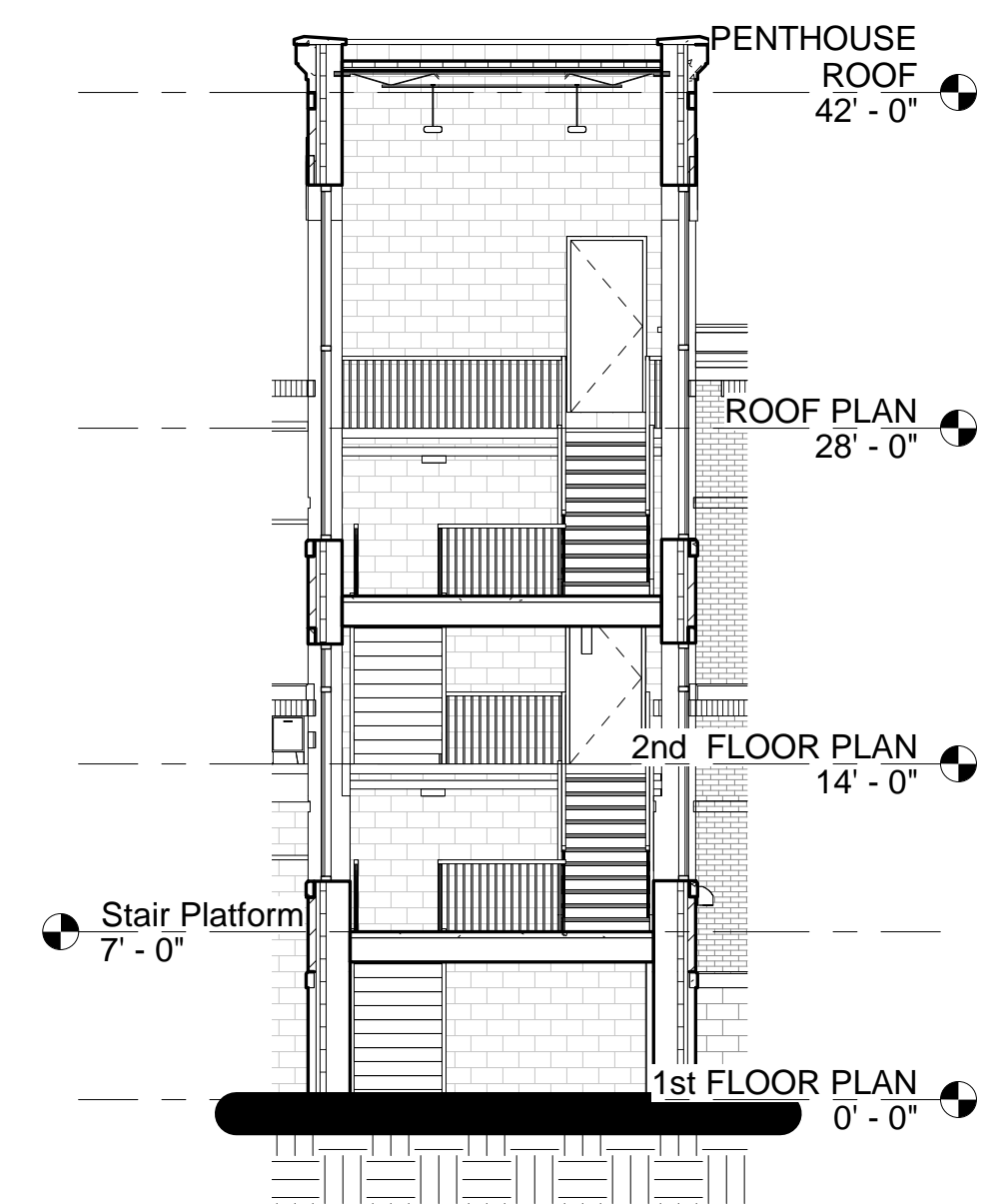
**BUILDING SECTIONS**  
**DEKALB COUNTY FIRE STATION**  
**No. 7**  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



① BUILDING SECTION #1  
1/8" = 1'-0"



② BUILDING SECTION #2  
1/8" = 1'-0"



④ BUILDING SECTION #3  
1/8" = 1'-0"

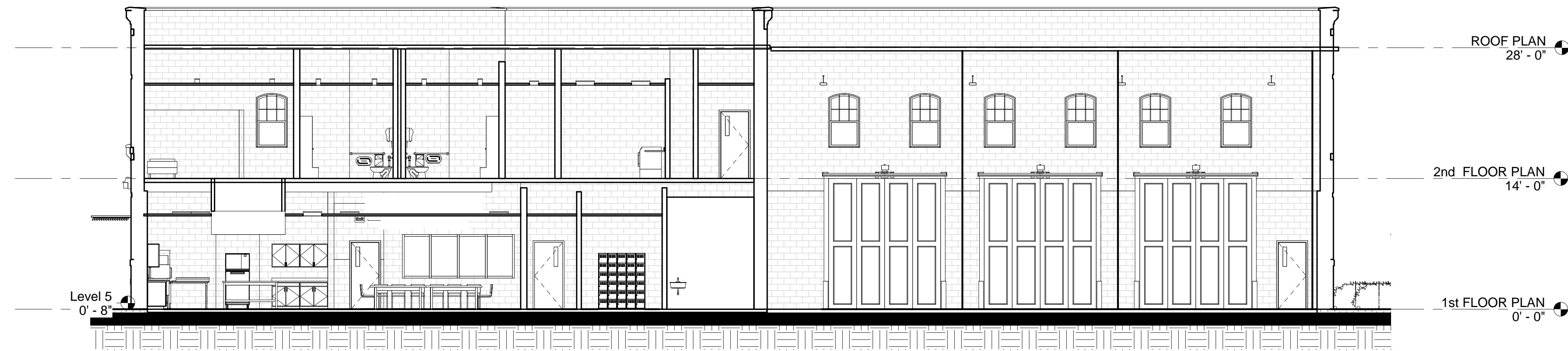
ISSUED FOR CONSTRUCTION

**BROWN DESIGN GROUP**  
 ARCHITECTS - PLANNERS - INTERIOR DESIGNERS  
 3030 WASHINGTON ROAD, EAST POINT, GA 30344  
 (C) 404-555-1805 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

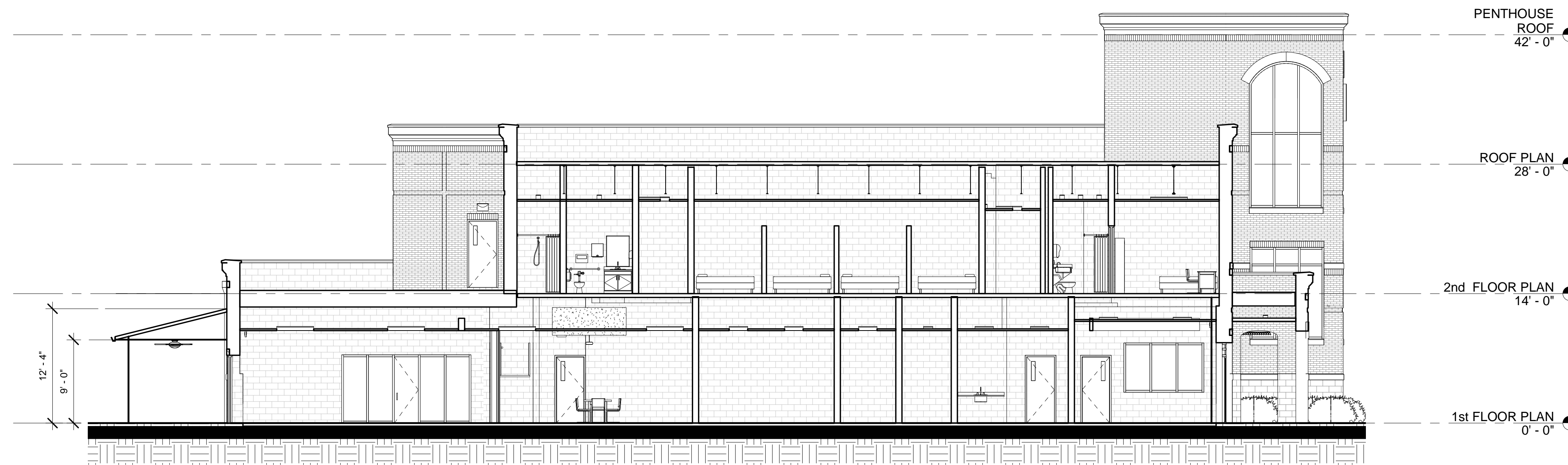
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 DRAWN: CC,RR  
 SCALE: 1/8" = 1'-0"  
 DWG. DATE: 01/09/2019  
 PRINT DATE: 9/3/2019 11:35:13 AM  
 JOB NO.: B1605-02

SHEET  
**A3.1**





2 BUILDING SECTION #5  
1/8" = 1'-0"



3 BUILDING SECTION #6  
1/8" = 1'-0"

REVISIONS		
NO.	DESCRIPTION	DATE



BUILDING SECTIONS  
DEKALB COUNTY FIRE STATION  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

BROWN  
DESIGN  
GROUP  
ARCHITECTS - PLANNERS - INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(O) 404-559-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

CHECKED: Checker  
DRAWN: Author  
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DWG. DATE: 01/09/2019  
PRINT DATE: 9/3/2019 11:35:19 AM  
JOB NO.: B1605-02

SHEET  
A3.2

ISSUED FOR CONSTRUCTION

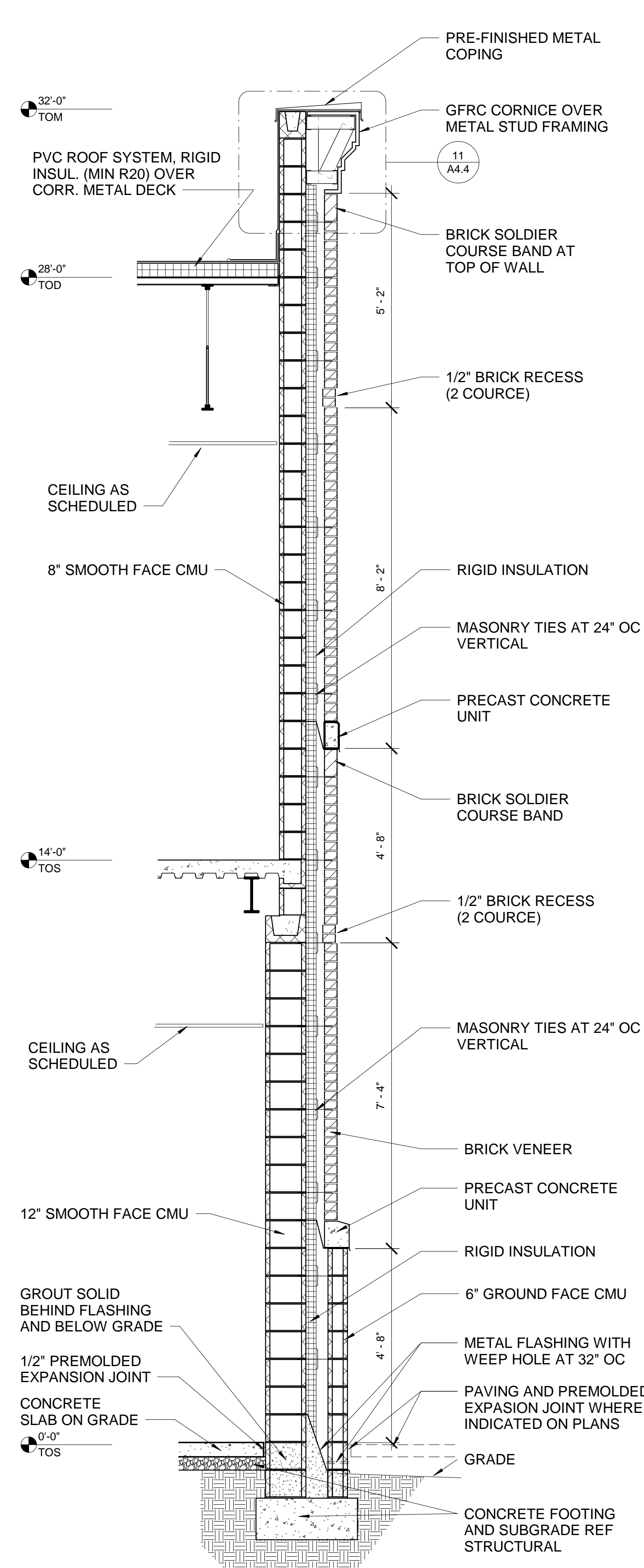




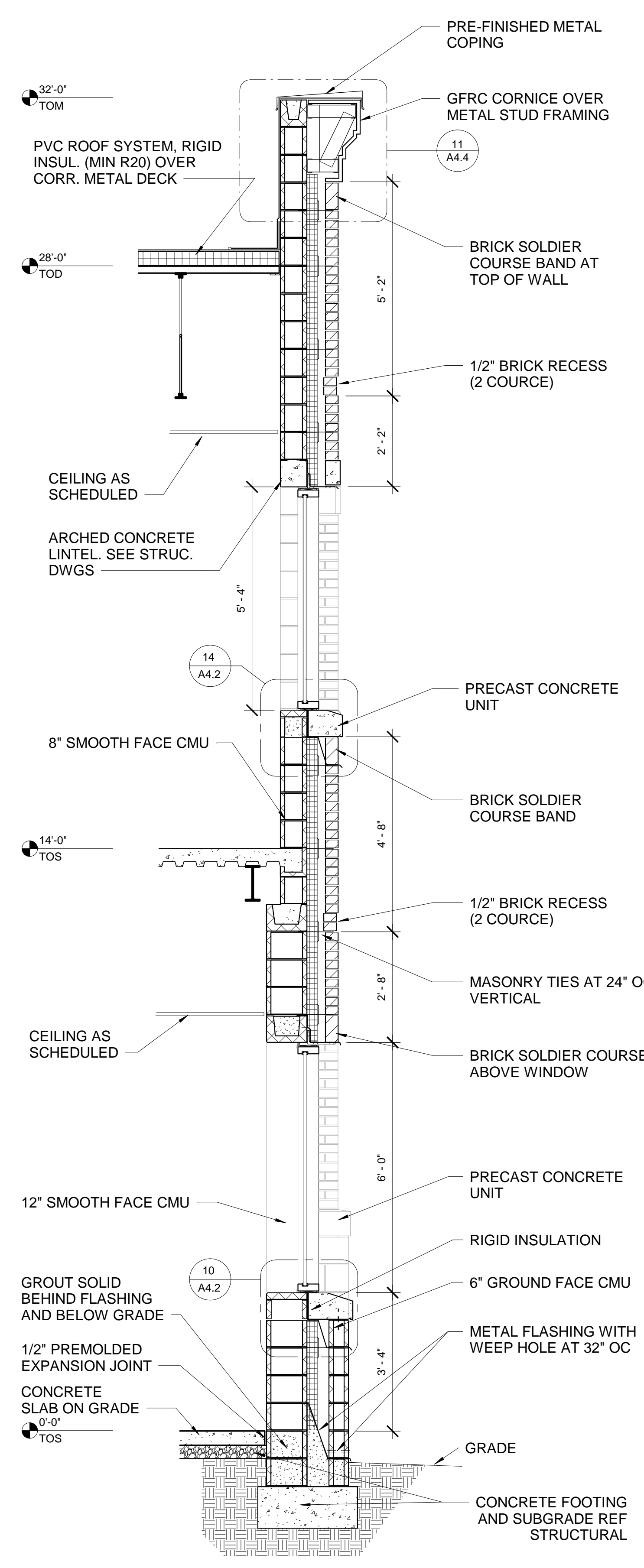
WALL SECTIONS  
DEKALB COUNTY FIRE STATION  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

**BROWN DESIGN GROUP**  
ARCHITECTS: PLANNERS INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(O) 404-559-1805 (F) 404-776-1020 (E) THEBROWDESIGNGROUP.COM

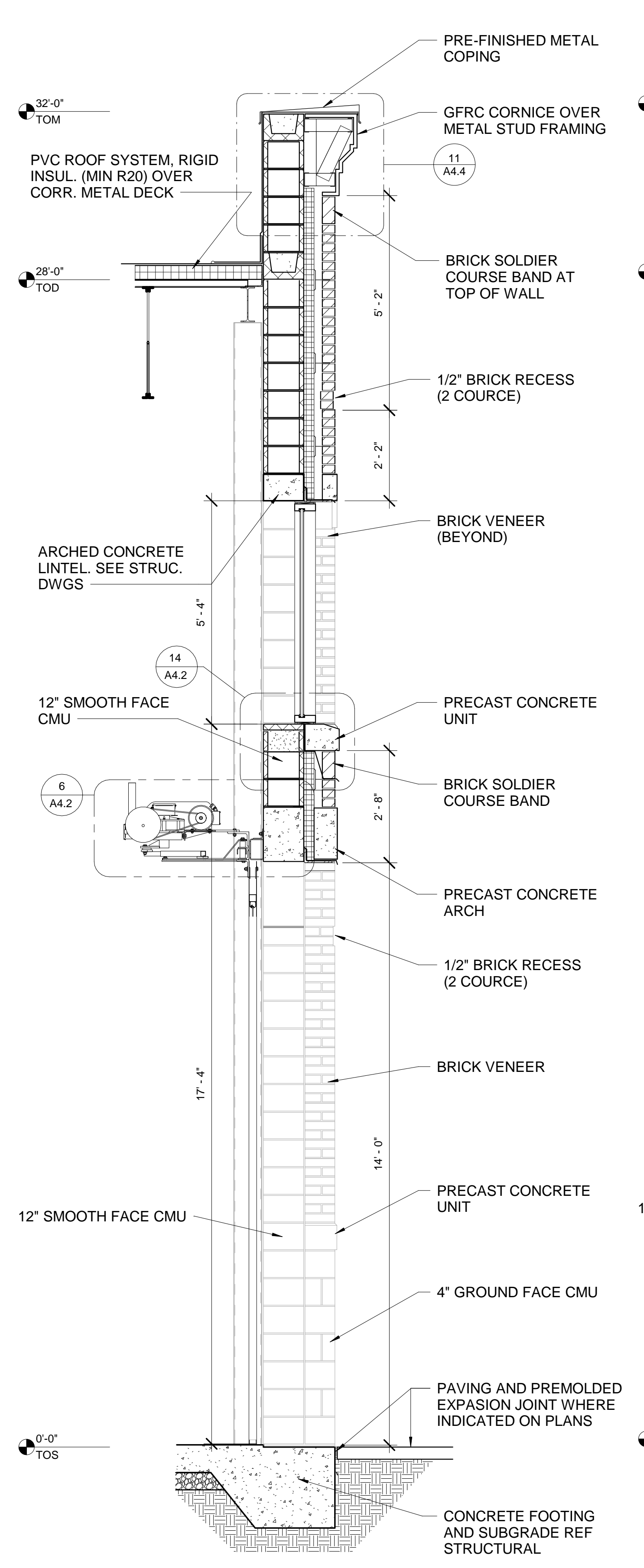
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DWG. DATE: 01/09/2019  
PRINT DATE: 9/3/2019 11:35:21 AM  
JOB NO.: B1605-02



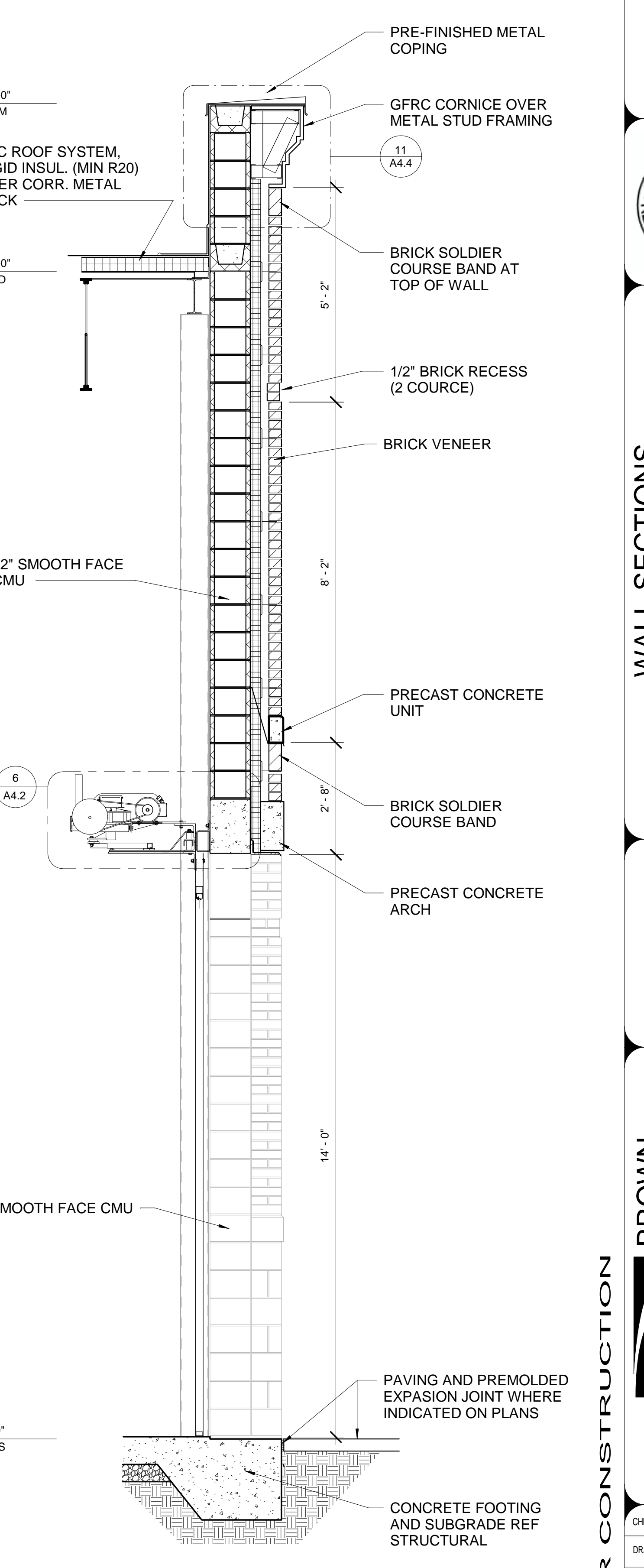
1 WALL SECTION A1  
1/2" = 1'-0"



2 WALL SECTION A2  
1/2" = 1'-0"

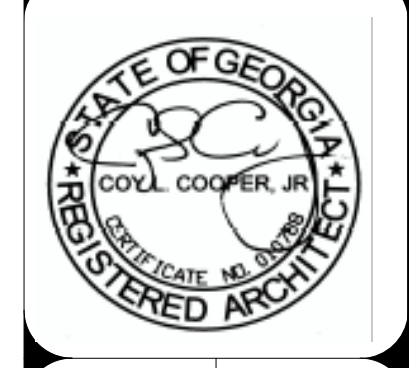


3 WALL SECTION D2  
1/2" = 1'-0"



4 WALL SECTION D1  
1/2" = 1'-0"

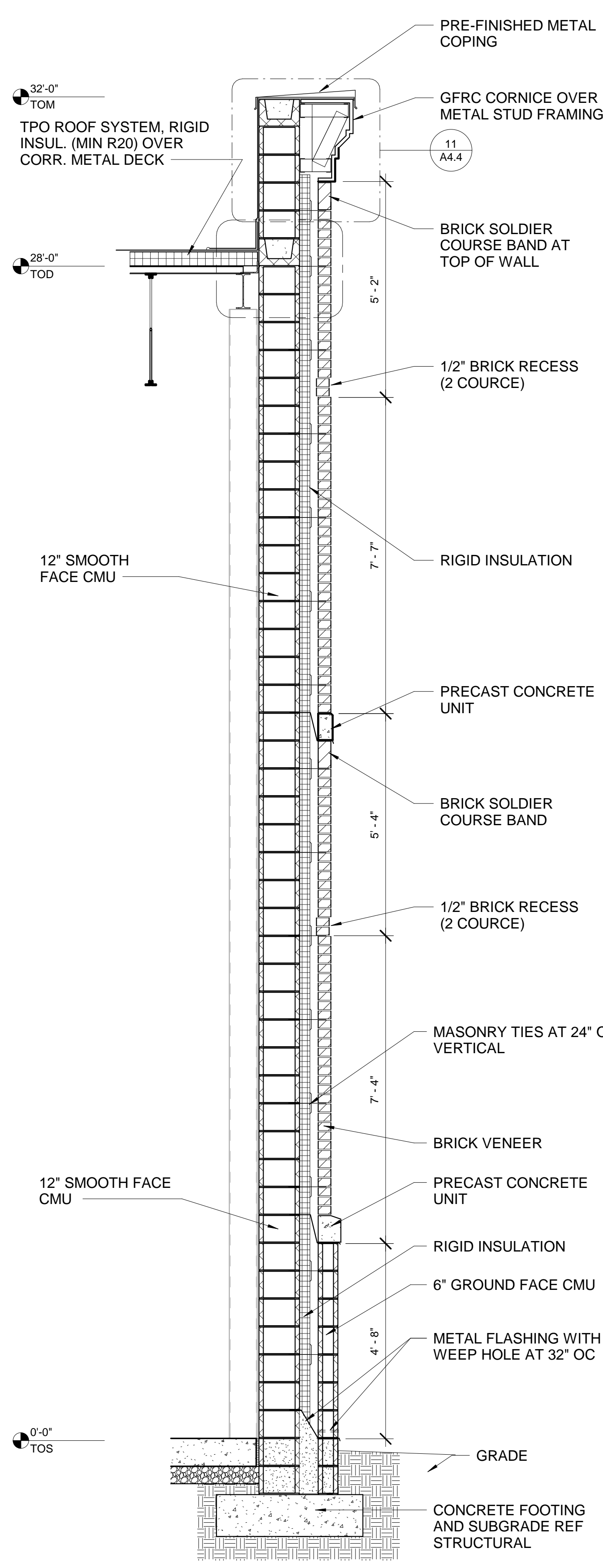




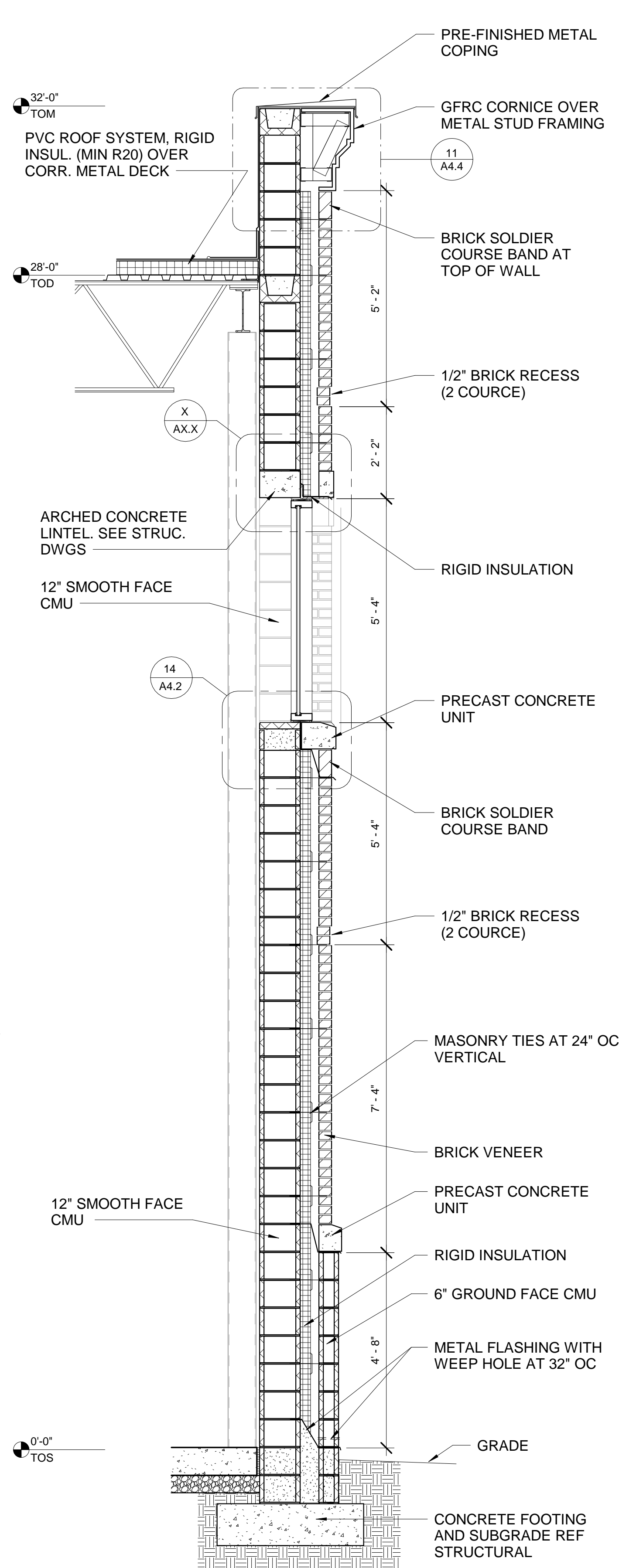
WALL SECTIONS  
DEKALB COUNTY FIRE STATION  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

**BROWN DESIGN GROUP**  
ARCHITECTS: PLANNERS, INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(C) 404-559-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

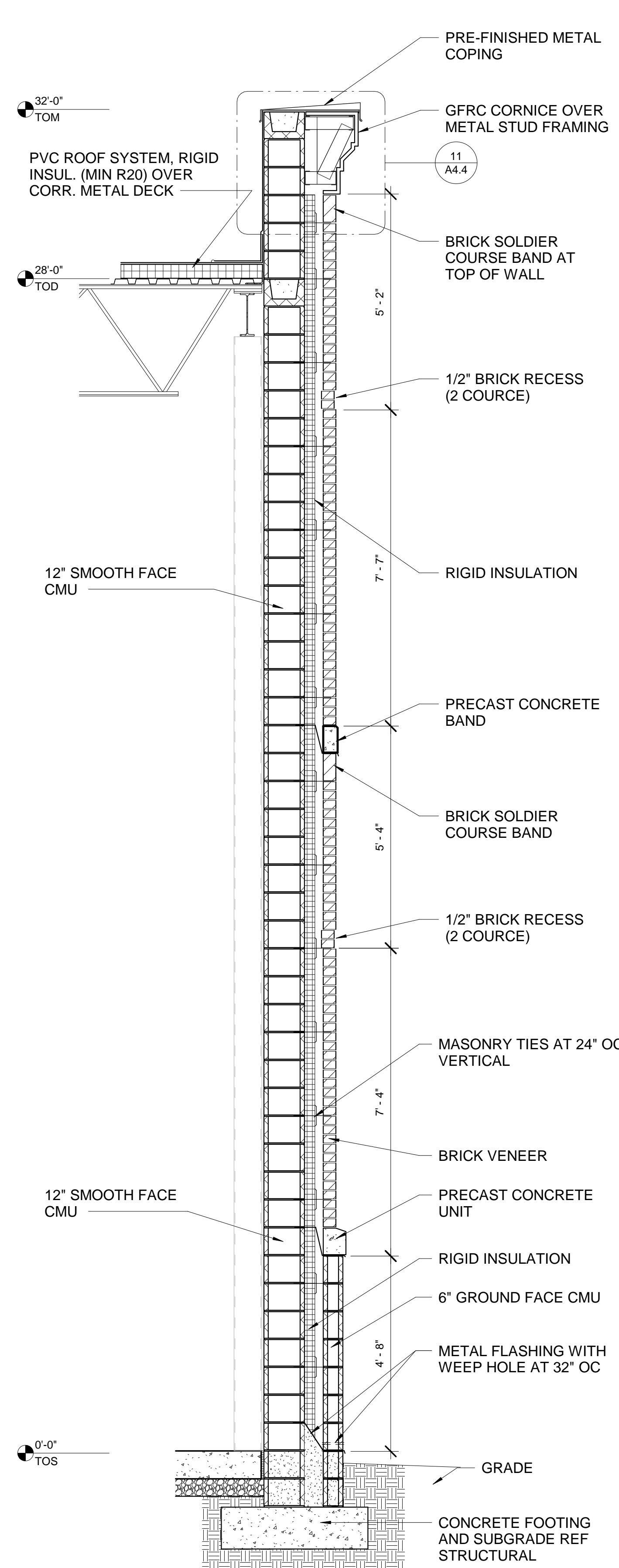
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DWG. DATE: 01/09/2019  
PRINT DATE: 9/3/2019 11:35:22 AM  
JOB NO.: B1605-02



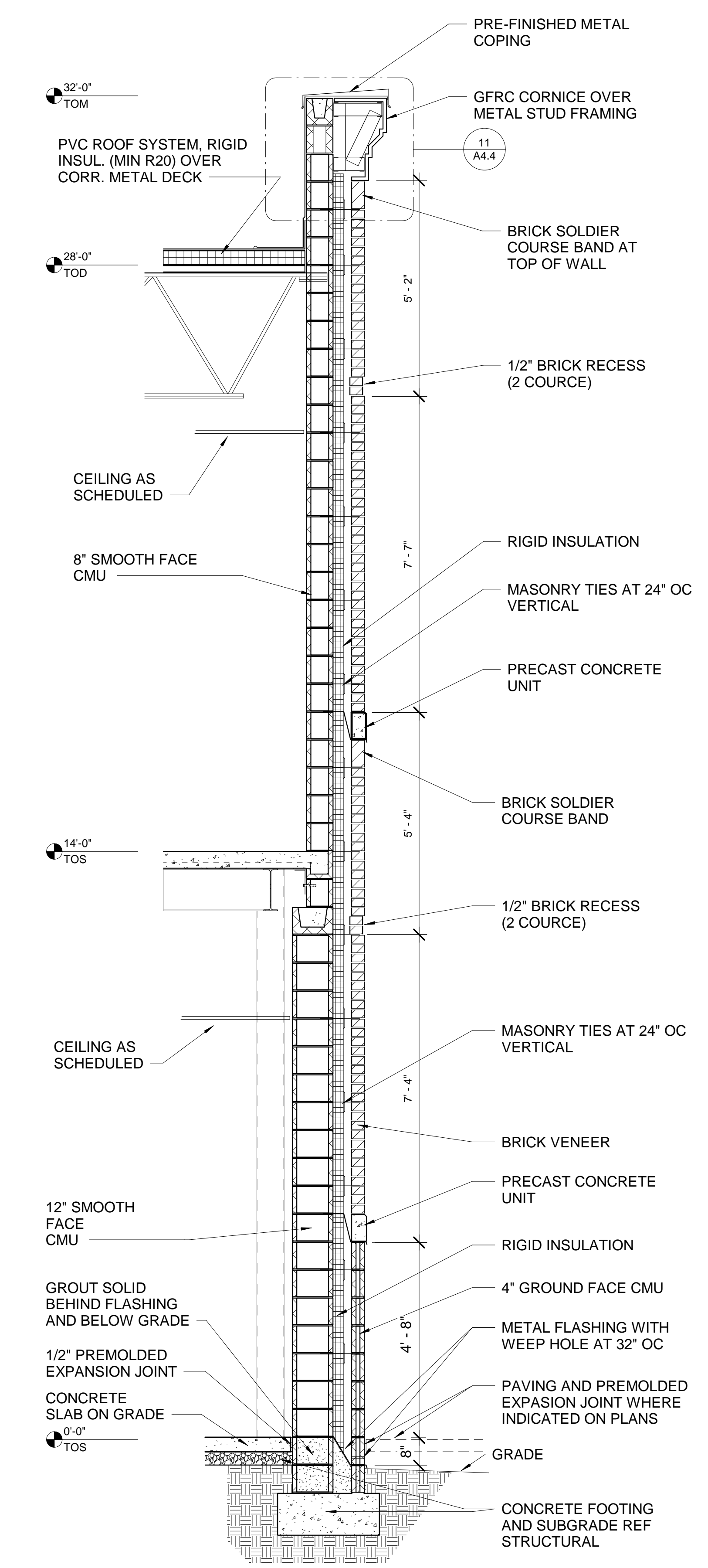
1 WALL SECTION D3  
1/2" = 1'-0"



2 WALL SECTION D4  
1/2" = 1'-0"

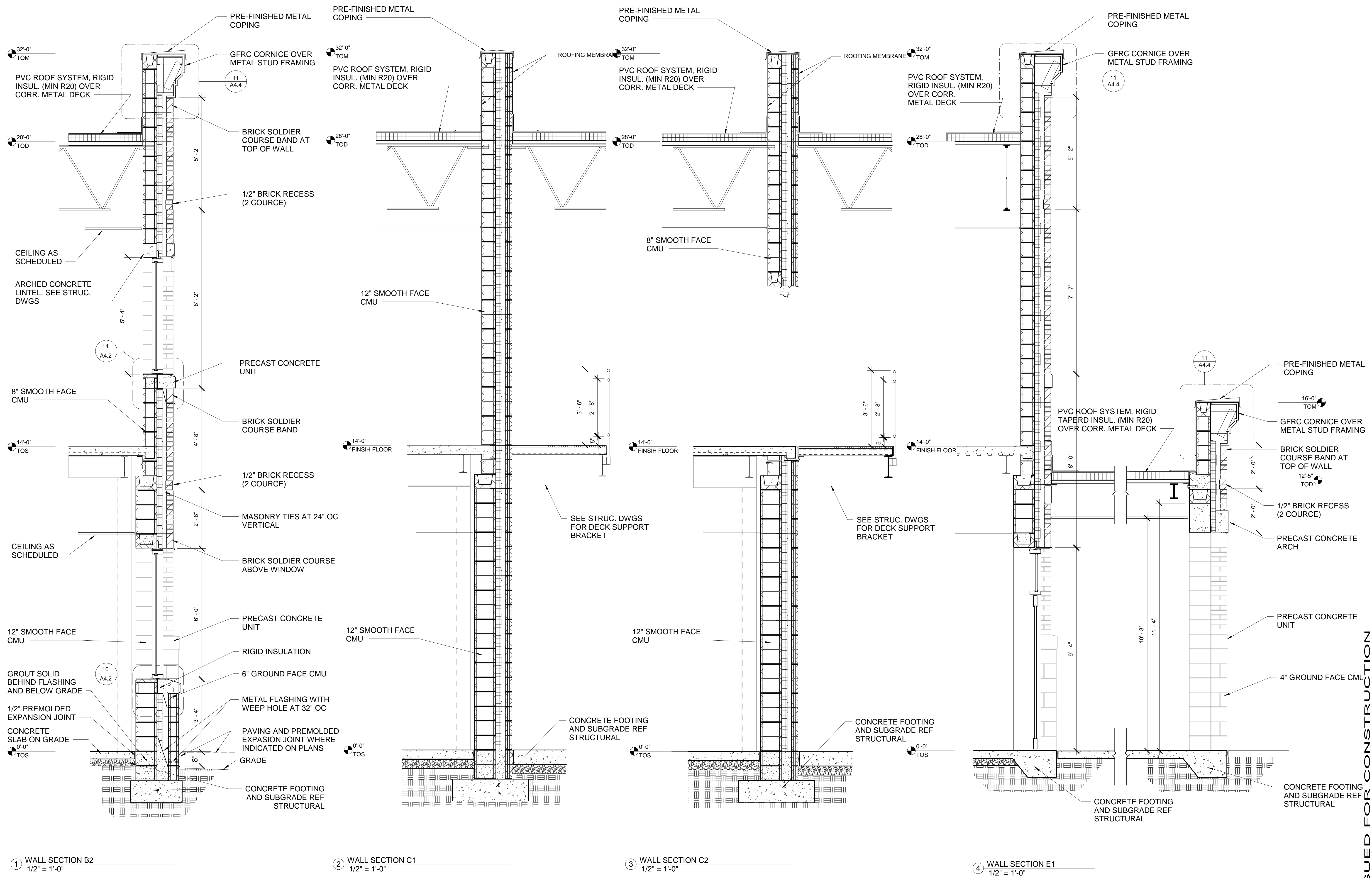
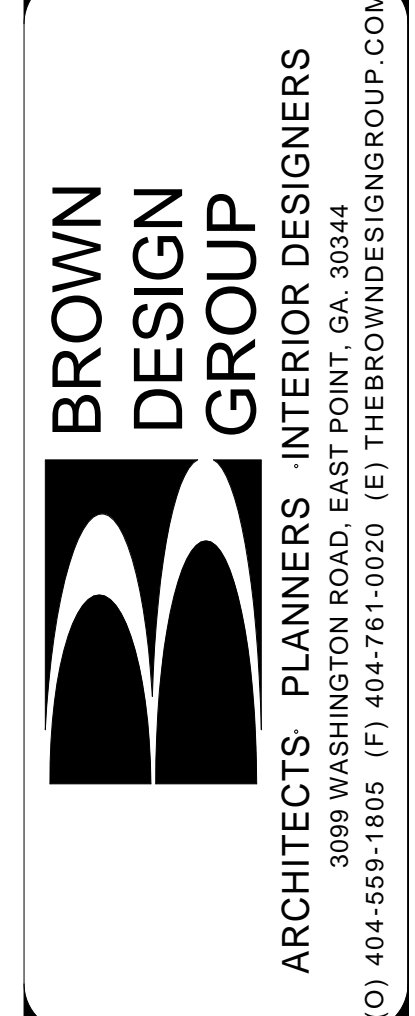


3 WALL SECTION D5  
1/2" = 1'-0"

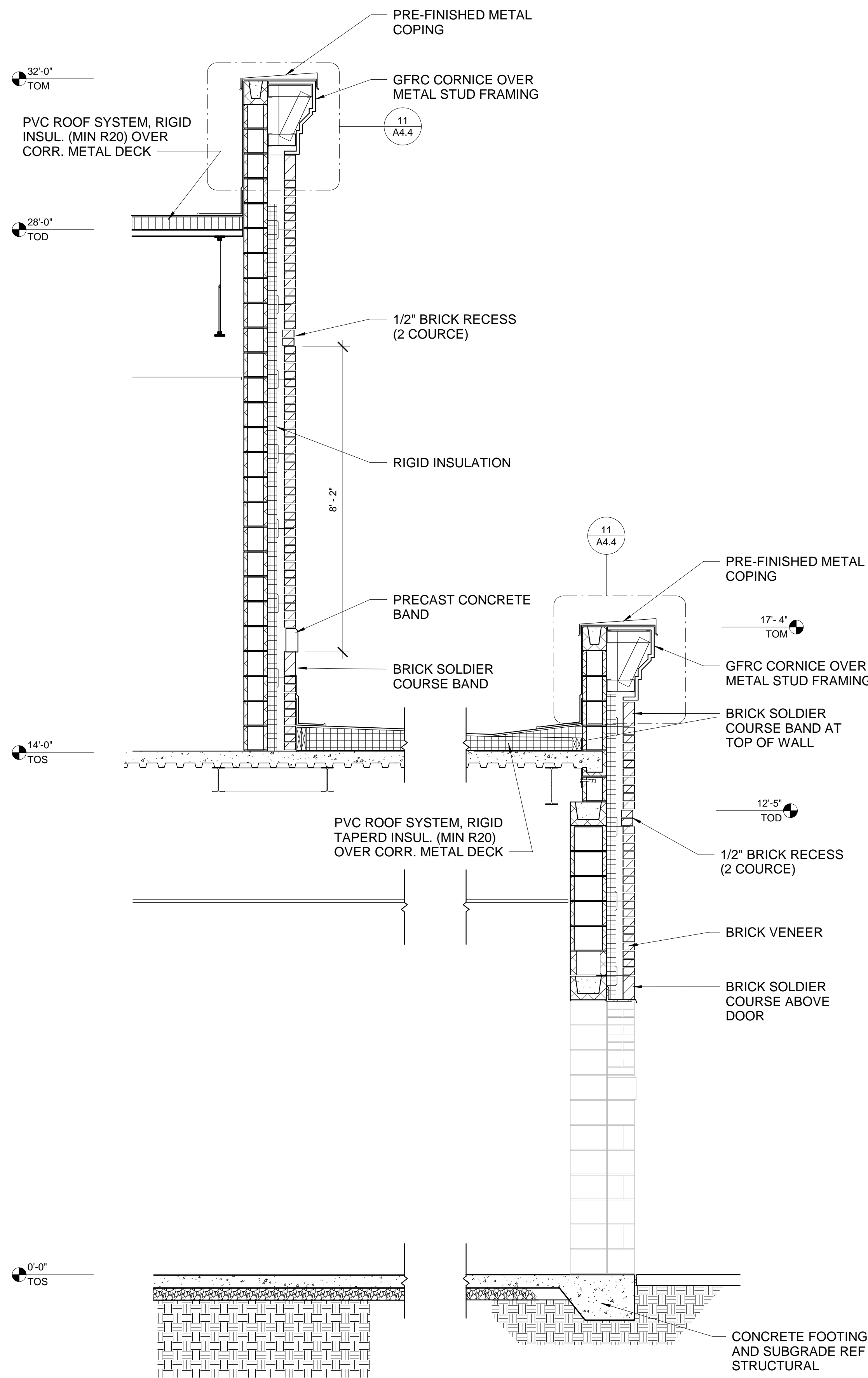


4 WALL SECTION B1  
1/2" = 1'-0"

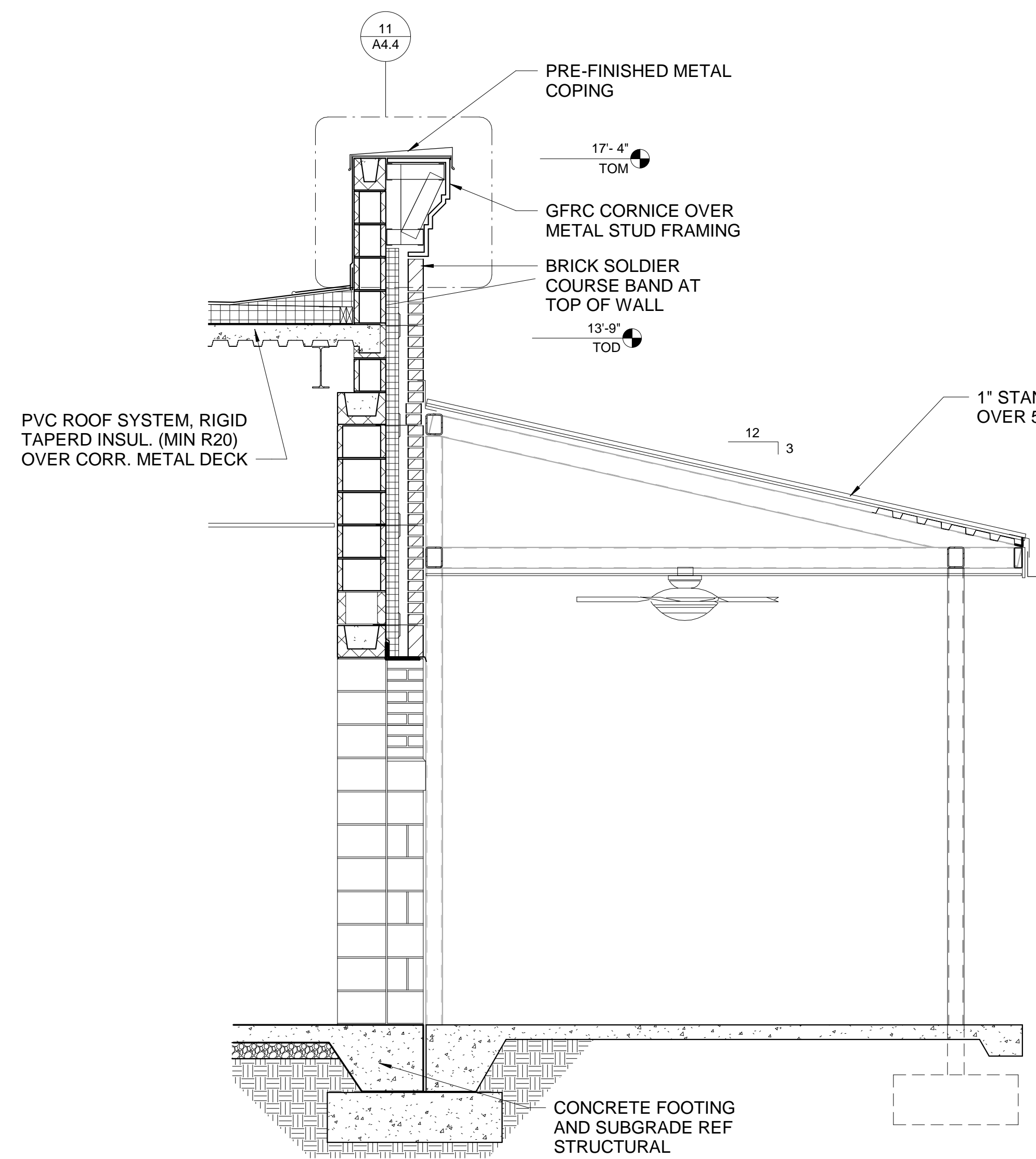




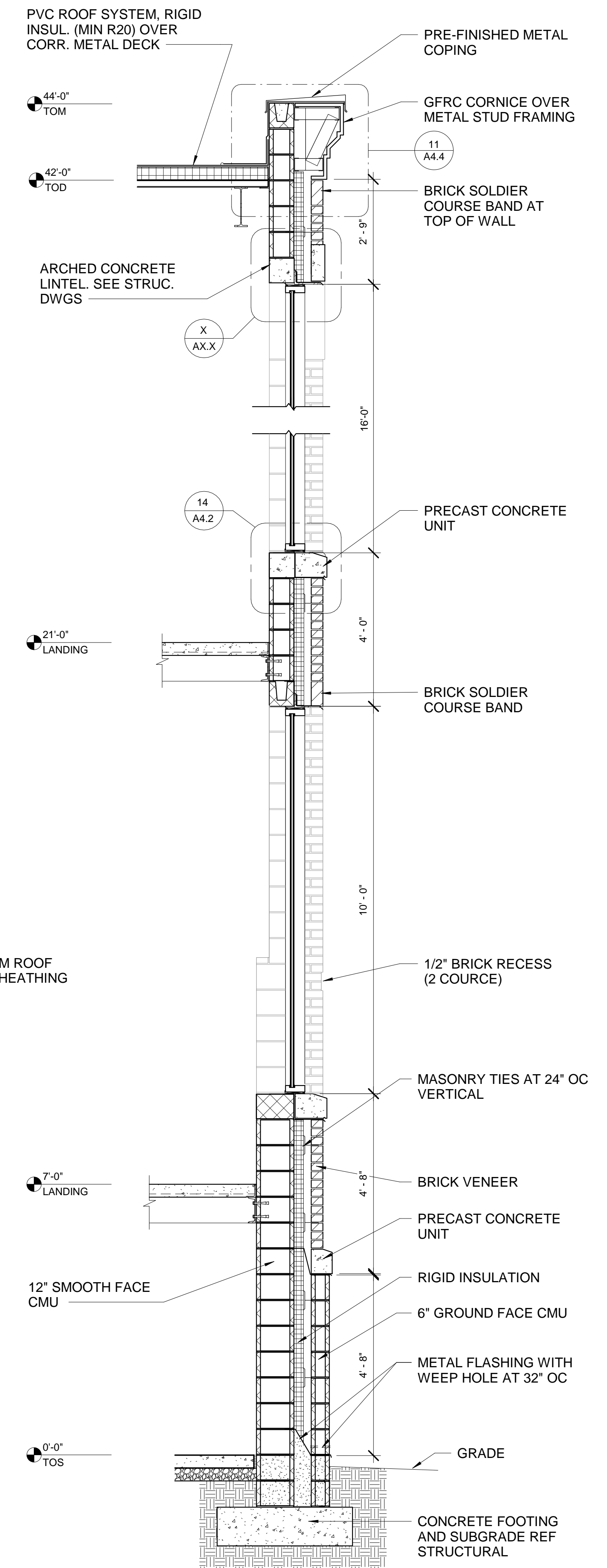




1 WALL SECTION E2  
1/2" = 1'-0"



2 WALL SECTION E3  
1/2" = 1'-0"



3 WALL SECTION D6  
1/2" = 1'-0"

REVISIONS  
NO. DESCRIPTION DATE



WALL SECTIONS  
DEKALB COUNTY FIRE STATION  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

BROWN  
DESIGN  
GROUP  
ARCHITECTS: PLANNERS INTERIOR DESIGNERS  
3099 WASHINGTON ROAD, EAST POINT, GA 30344  
(O) 404-559-1806 (F) 404-761-0020 (E) THEBROWNDISIGNGROUP.COM

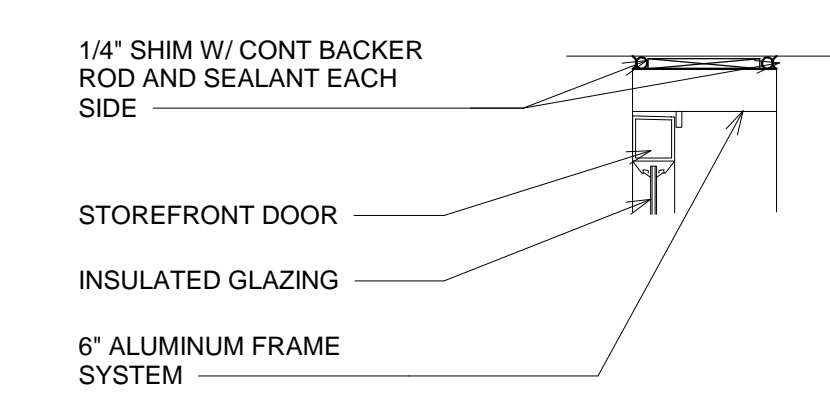
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DWG. DATE: 01/09/2019  
PRINT DATE: 9/3/2019 11:35:25 AM  
JOB NO.: B1605-02

ISSUED FOR CONSTRUCTION  
SHEET  
A3.6

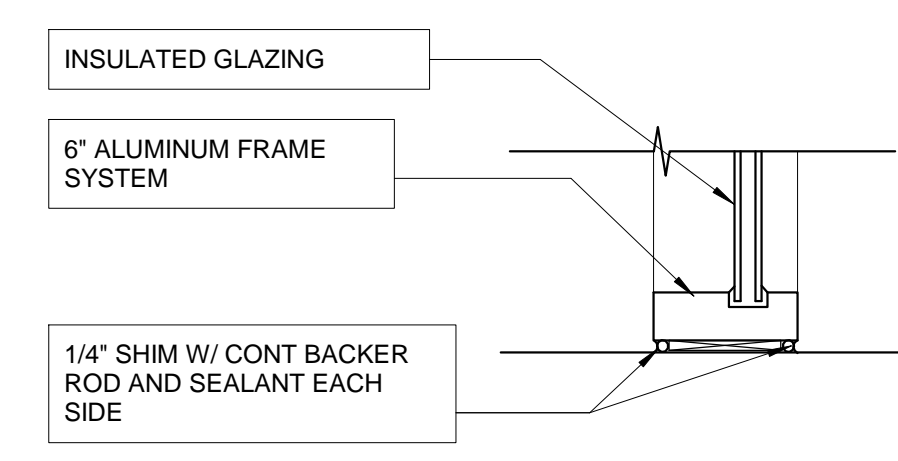




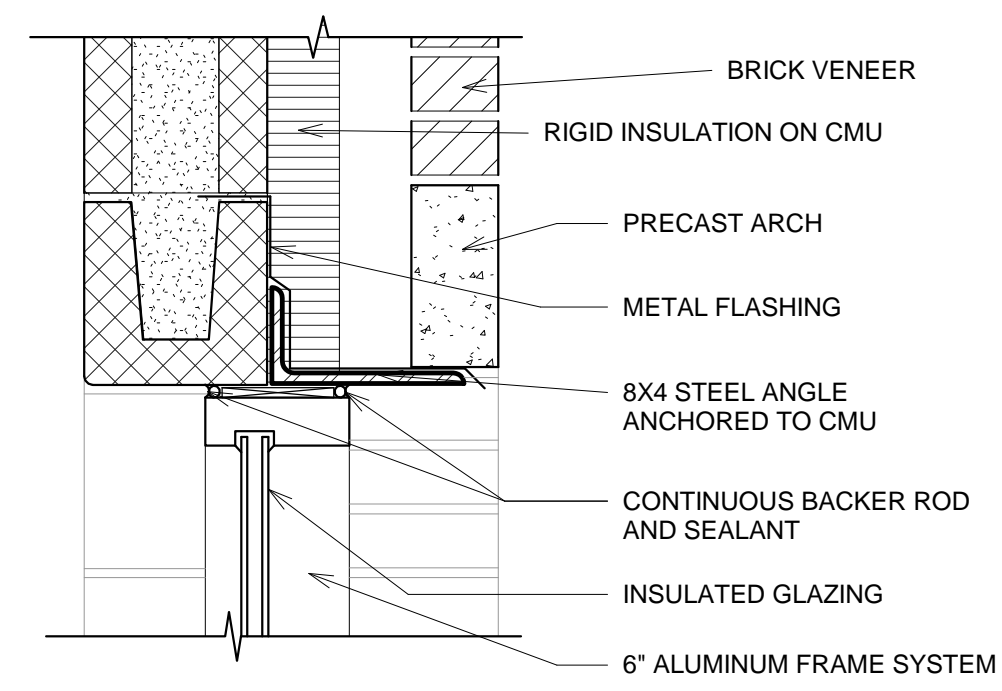




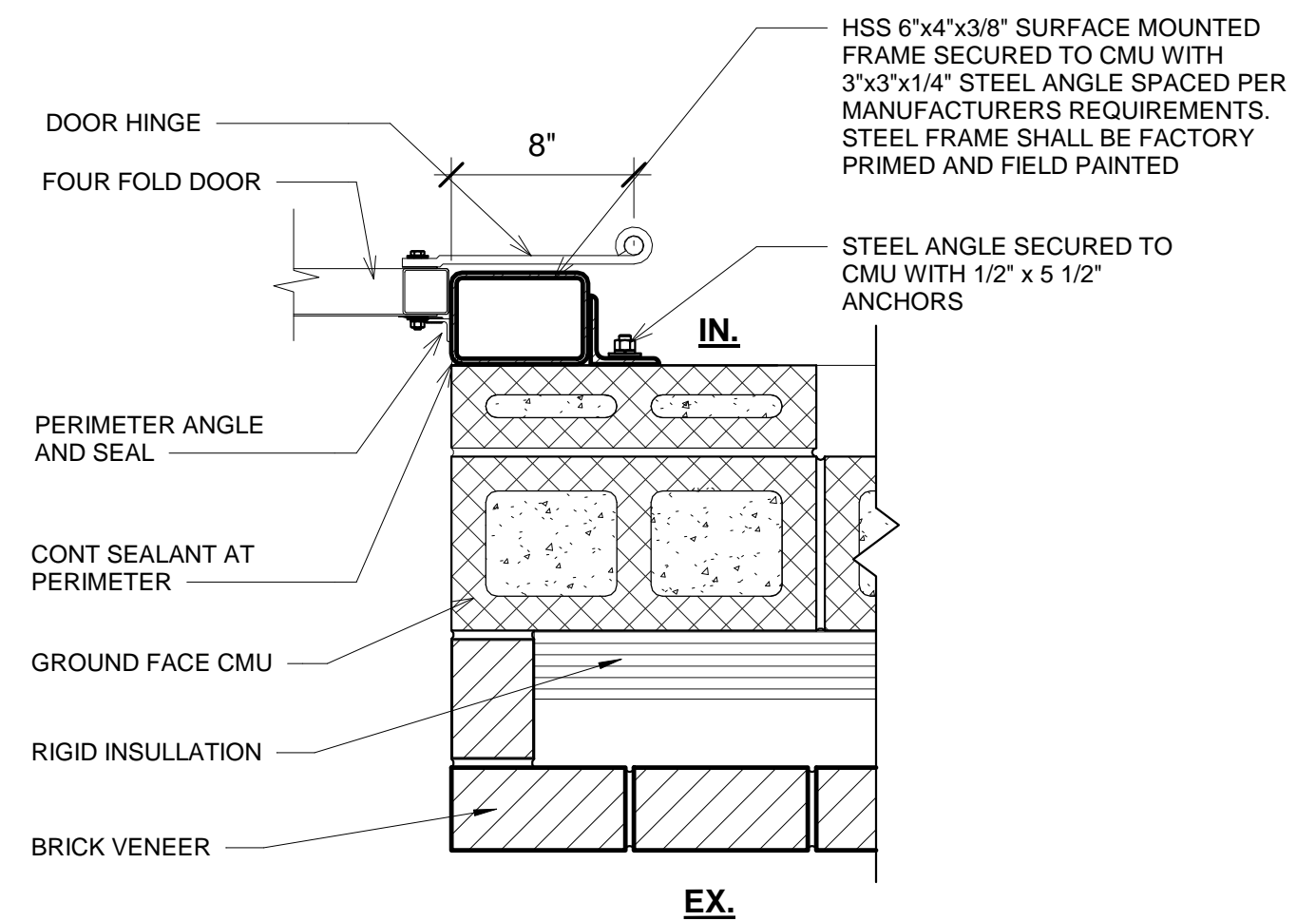
20 JAMB / HEAD  
1 1/2" = 1'-0"



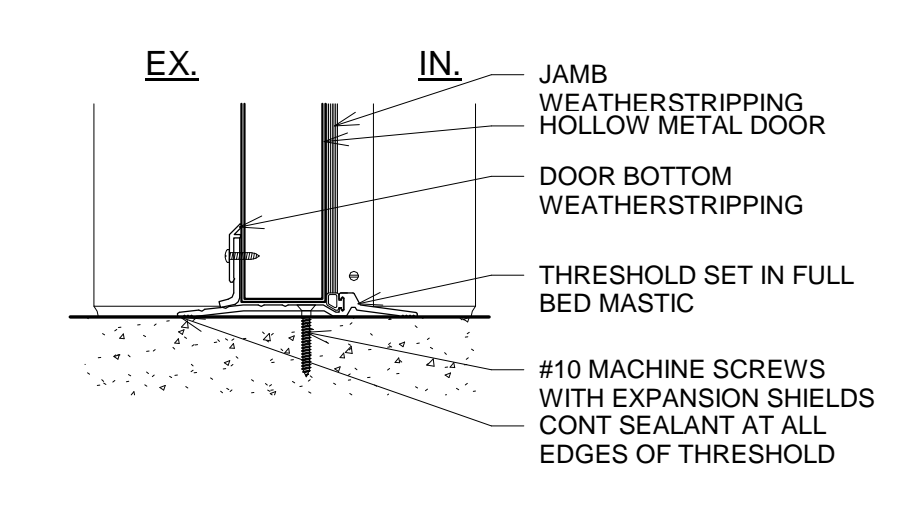
17 STOREFRONT WINDOW SILL  
1 1/2" = 1'-0"



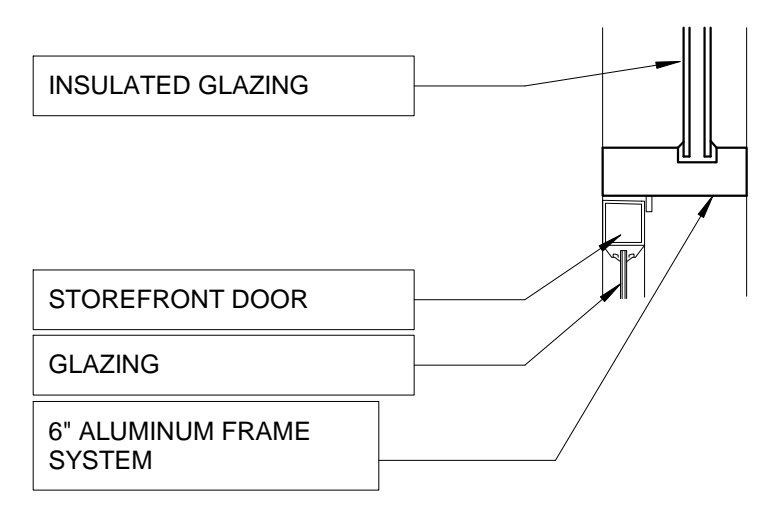
13 HEAD  
1 1/2" = 1'-0"



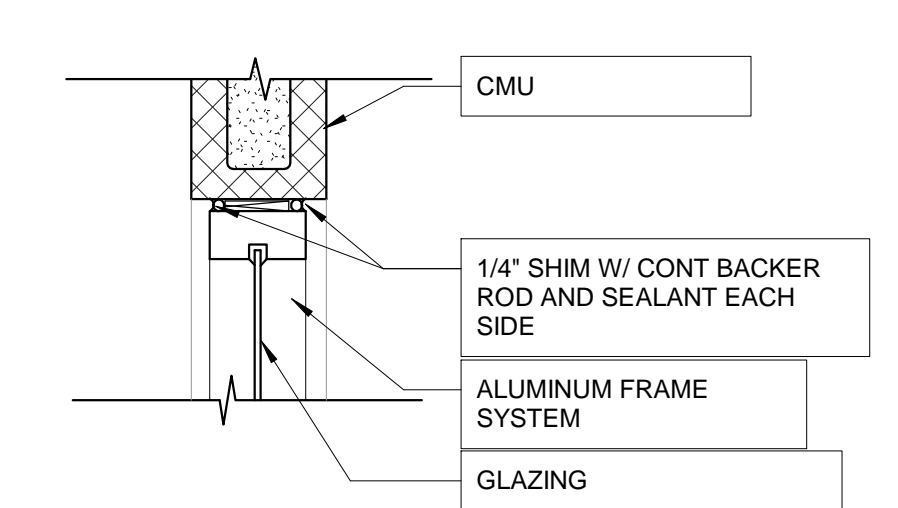
3 FOUR FOLD DOOR - JAMB (UPPER)  
1 1/2" = 1'-0"



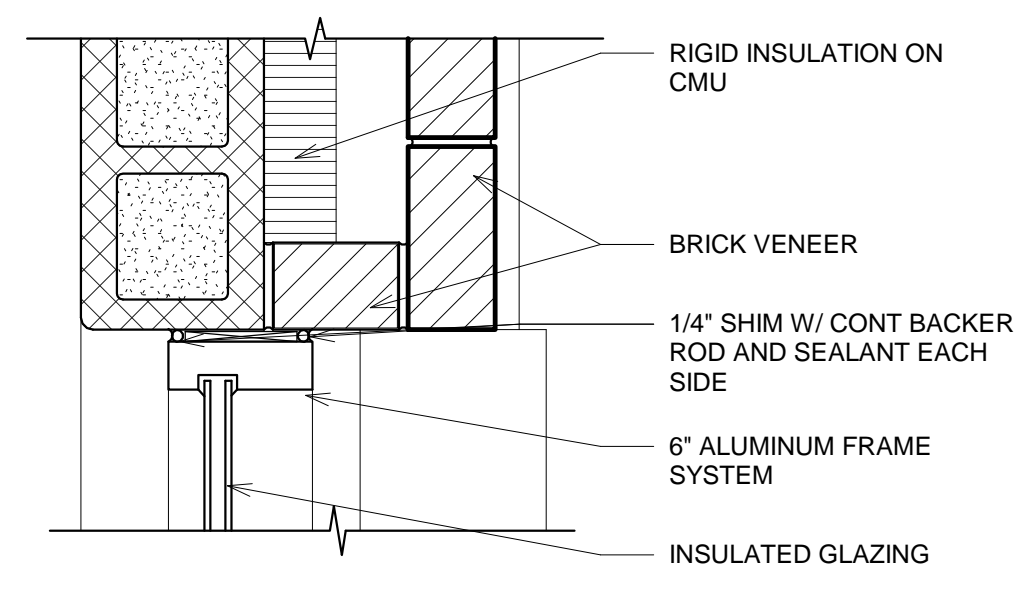
8 THRESHOLD  
1 1/2" = 1'-0"



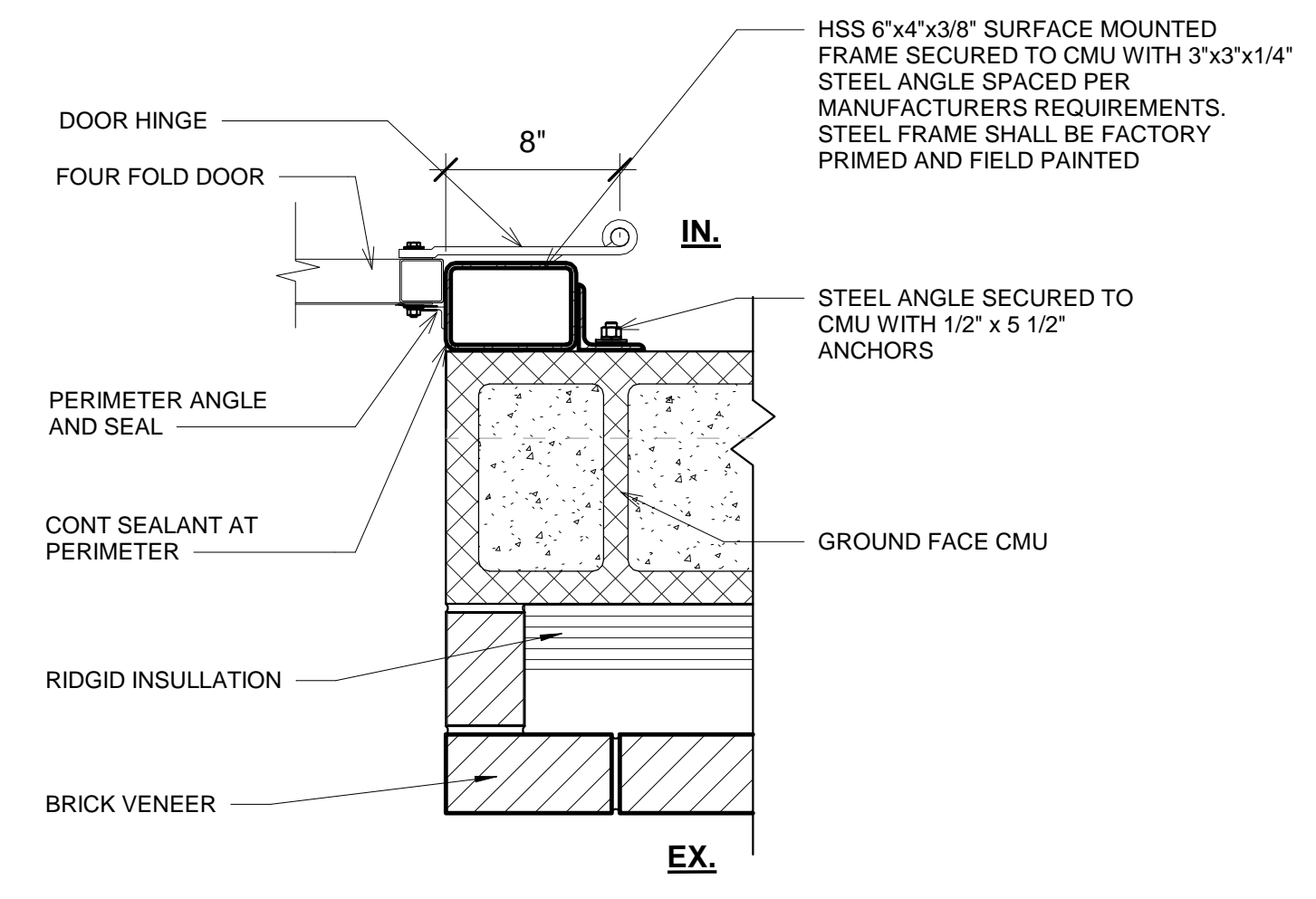
16 JAMB  
1 1/2" = 1'-0"



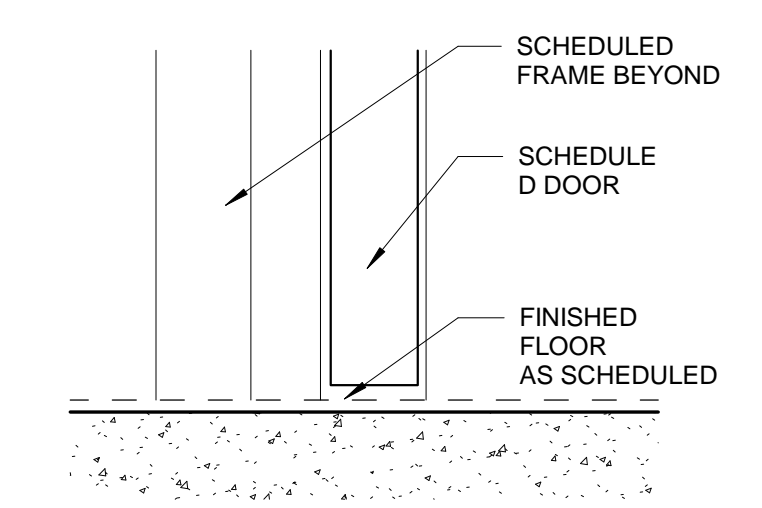
12 HEAD  
1 1/2" = 1'-0"



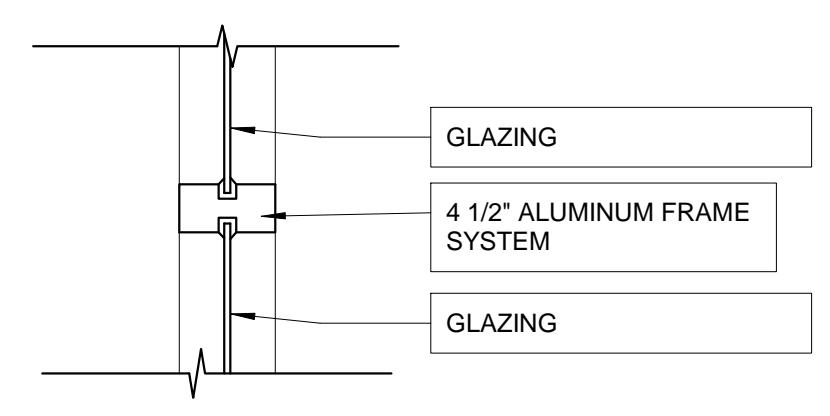
11 JAMB  
1 1/2" = 1'-0"



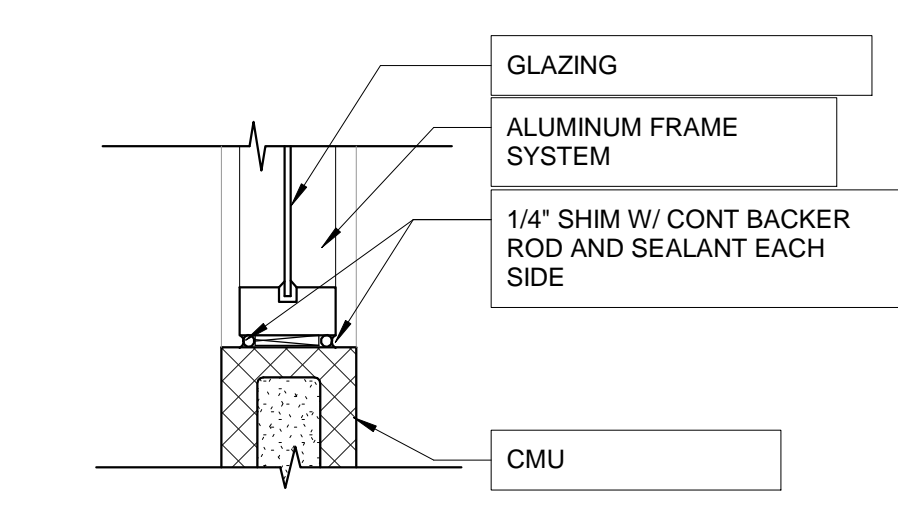
7 FOUR FOLD DOOR - JAMB (LOWER)  
1 1/2" = 1'-0"



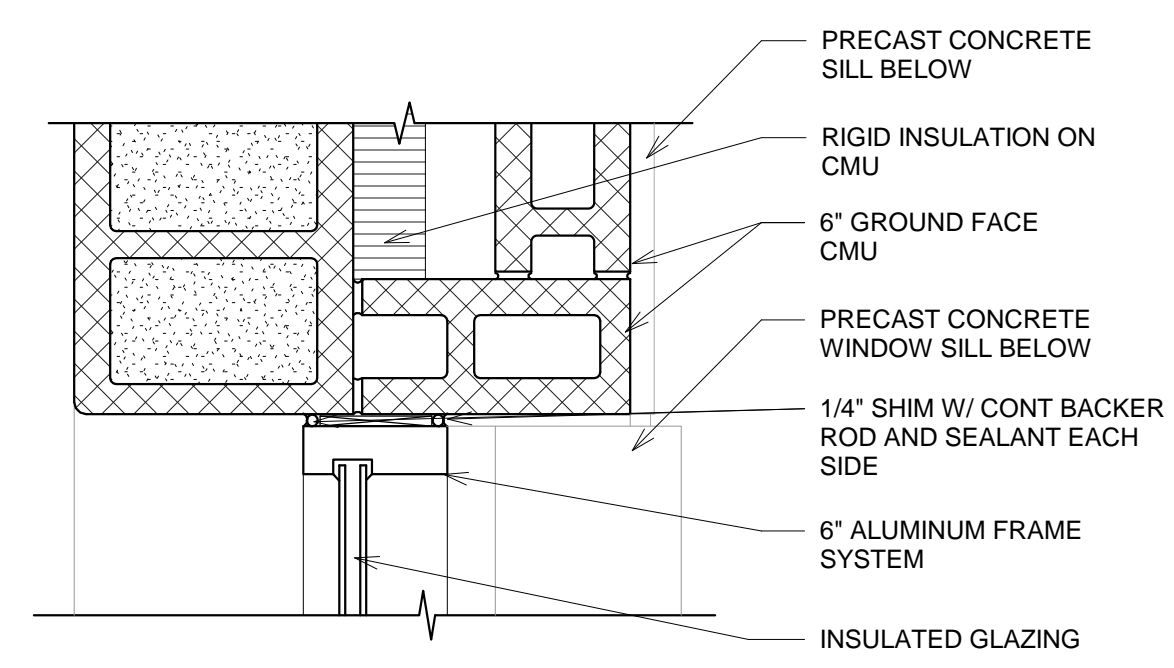
5 THRESHOLD  
3" = 1'-0"



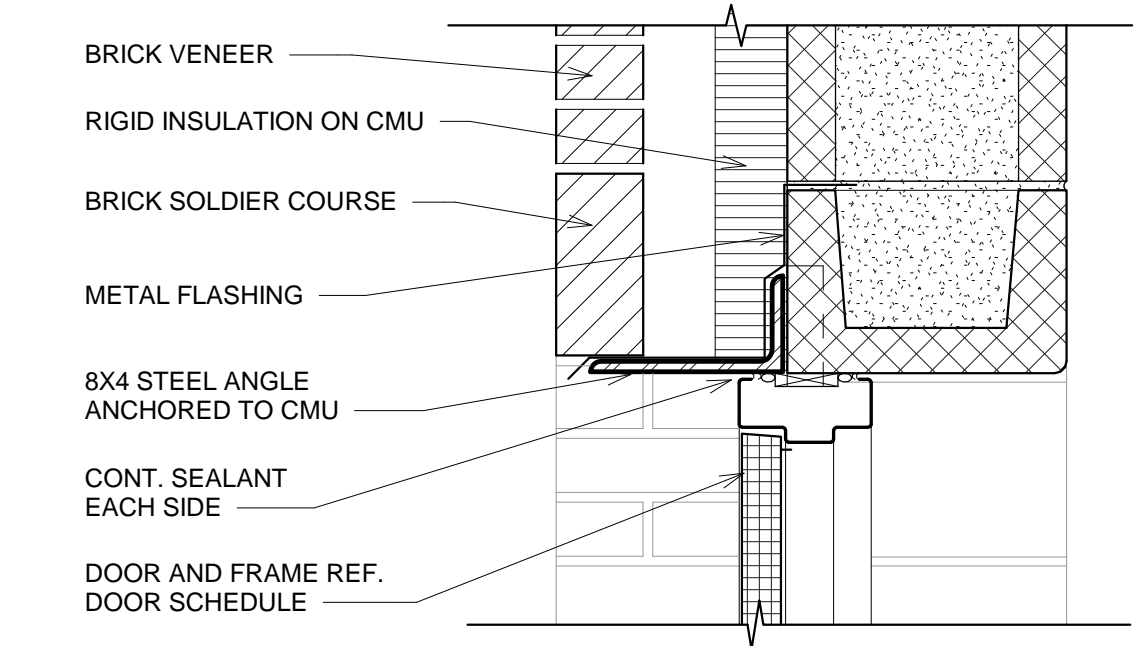
18 INTERIOR WINDOW MULLION  
1 1/2" = 1'-0"



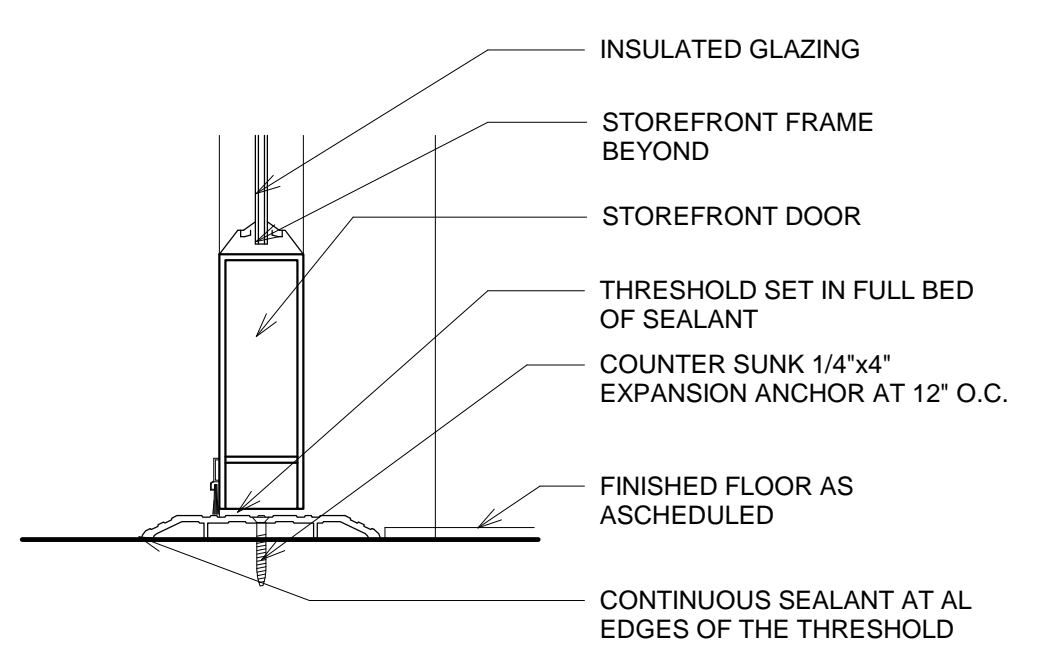
15 JAMB / SILL  
1 1/2" = 1'-0"



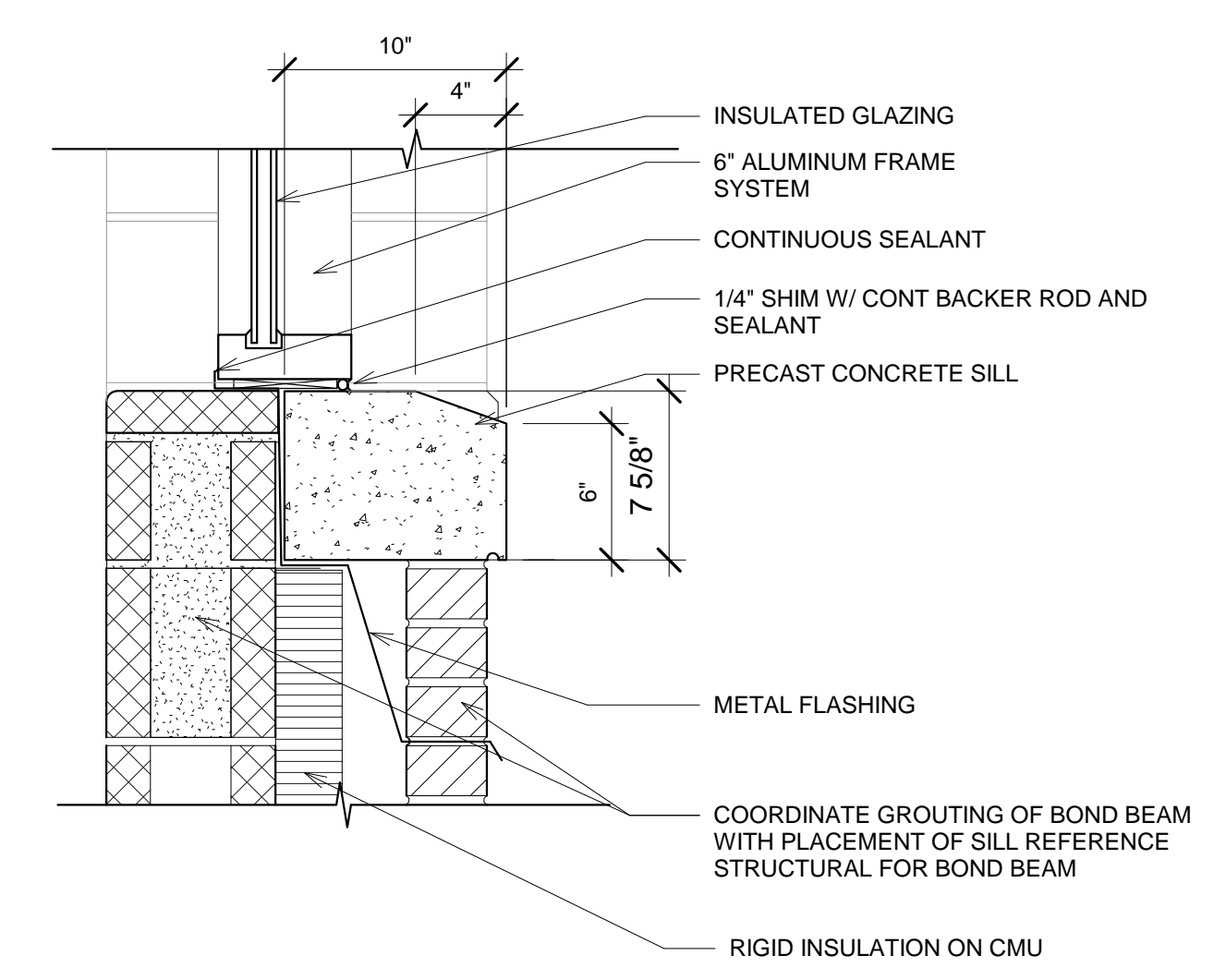
14 SILL  
1 1/2" = 1'-0"



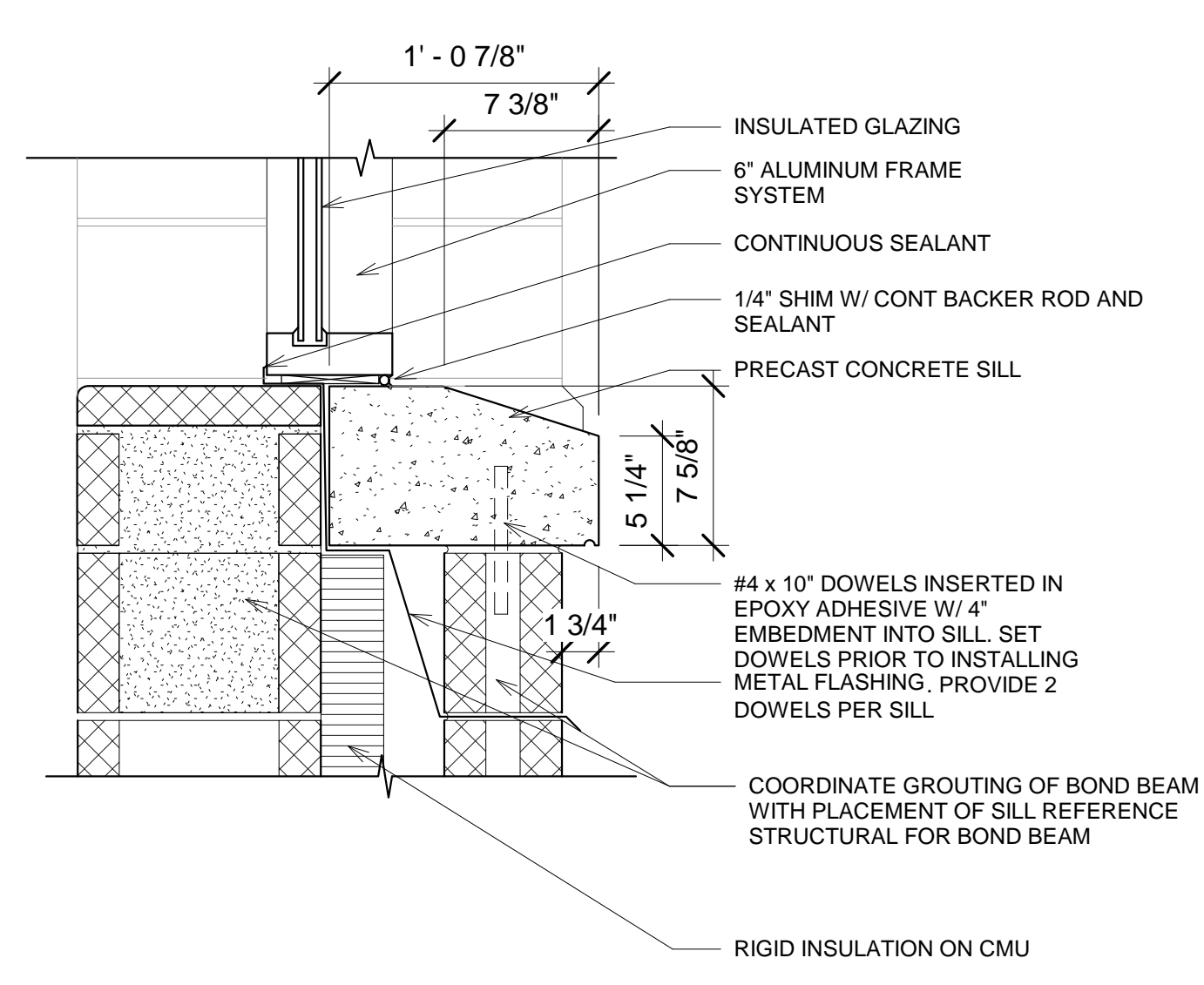
4 HEAD  
1 1/2" = 1'-0"



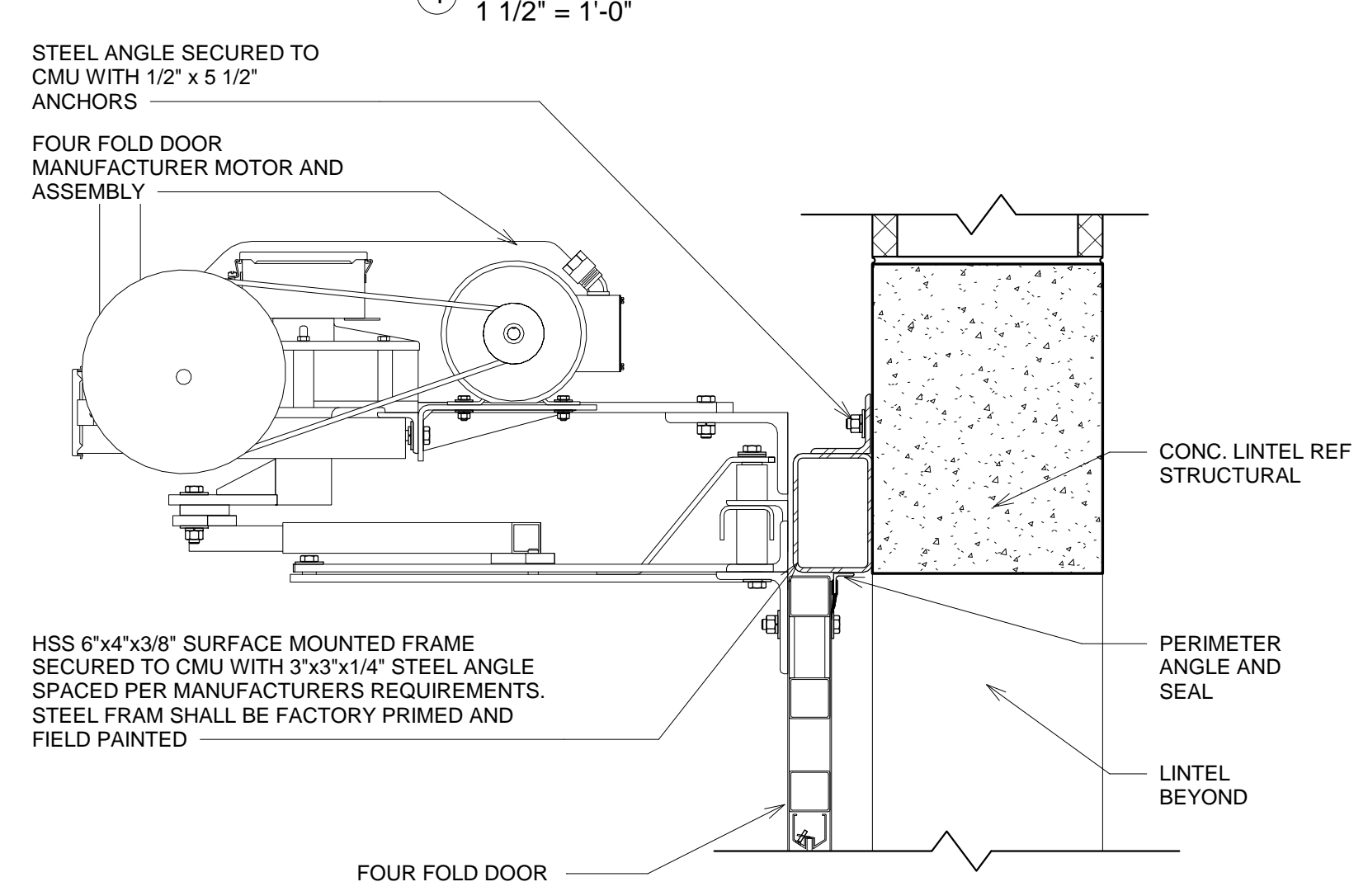
9 THRESHOLD  
3" = 1'-0"



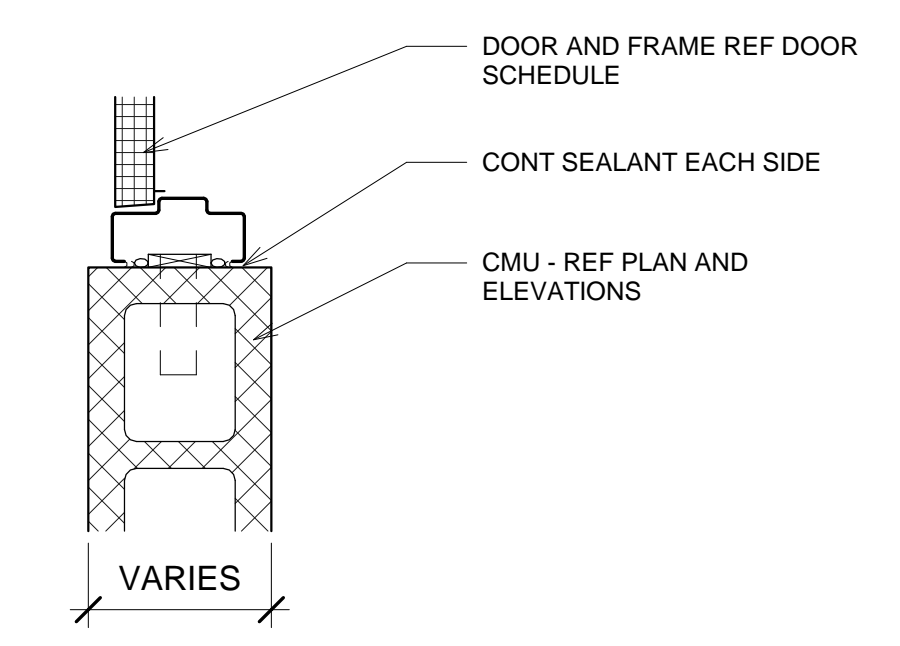
14 SILL  
1 1/2" = 1'-0"



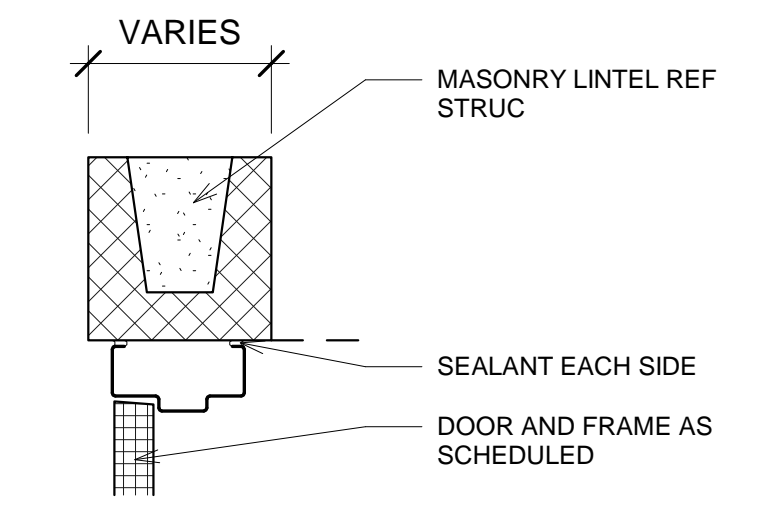
10 SILL  
1 1/2" = 1'-0"



6 FOUR FOLD DOOR - HEAD  
1 1/2" = 1'-0"

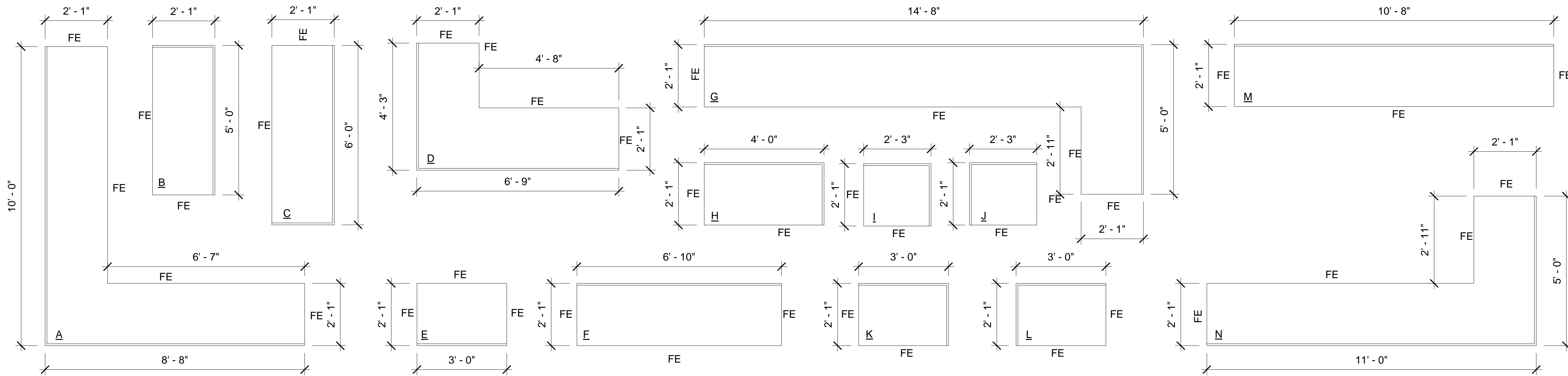


2 INTERIOR JAMB - CMU  
1 1/2" = 1'-0"



1 INTERIOR HEAD - CMU  
1 1/2" = 1'-0"





9 COUNTERTOP SIZES  
1/2" = 1'-0"

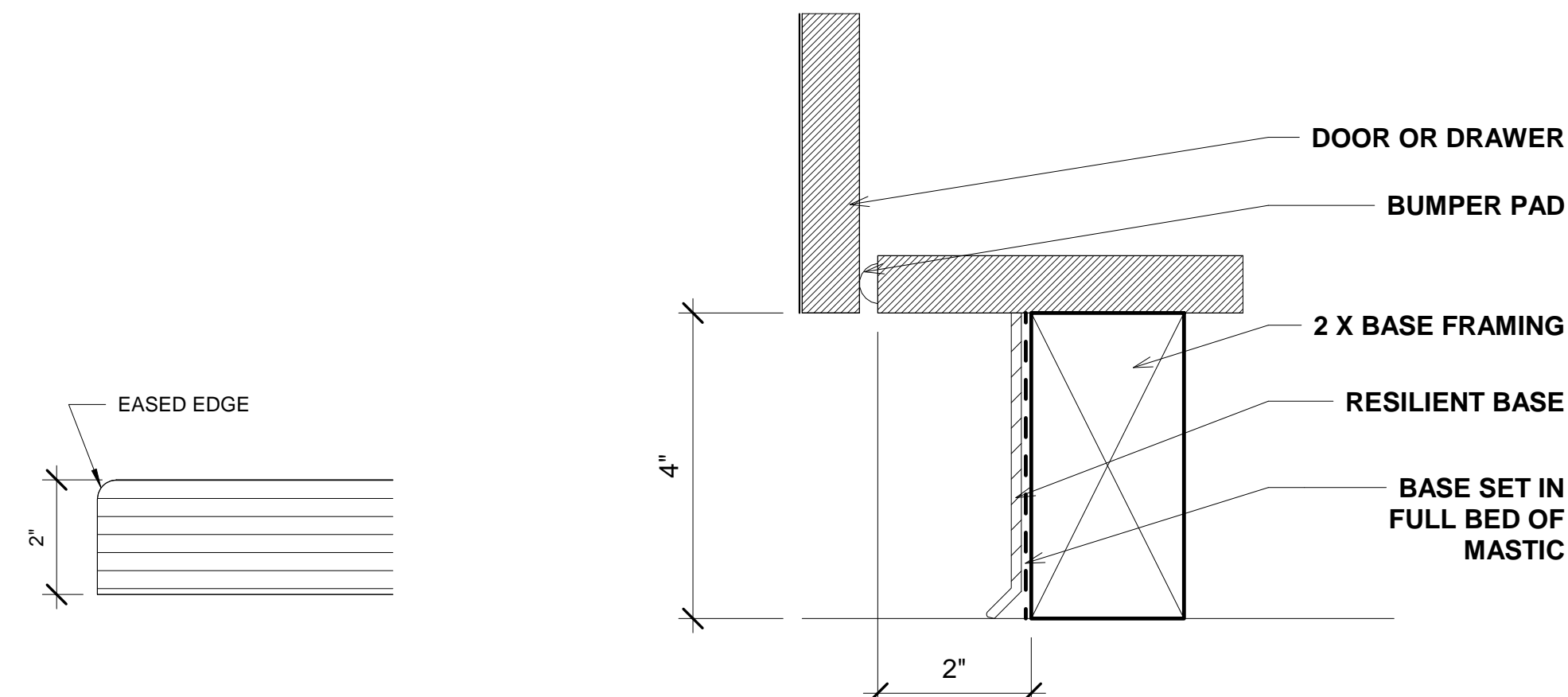
- ### SHEET NOTES
1. ALL EXPOSED FINISHED EDGES OF COUNTERTOPS SHALL BE EASED.
  2. ALL MILLWORK 3/4" HARDWOOD DOOR/DRAWER FRONTS, SHELVING (EXPOSED EDGES VISIBLE WHEN DOOR/DRAWER IS OPEN), SHALL BE STAINED AND POLY.
  3. ALL SOLID SURFACE MATERIALS SHALL BE 3/4" THICK, UNLESS NOTED OTHERWISE.
  4. RESTROOM SINKS SHALL HAVE A REMOVABLE FRONT PANEL TO ALLOW ACCESS TO WATER SHUTOFFS

### ABBREVIATION LEGEND

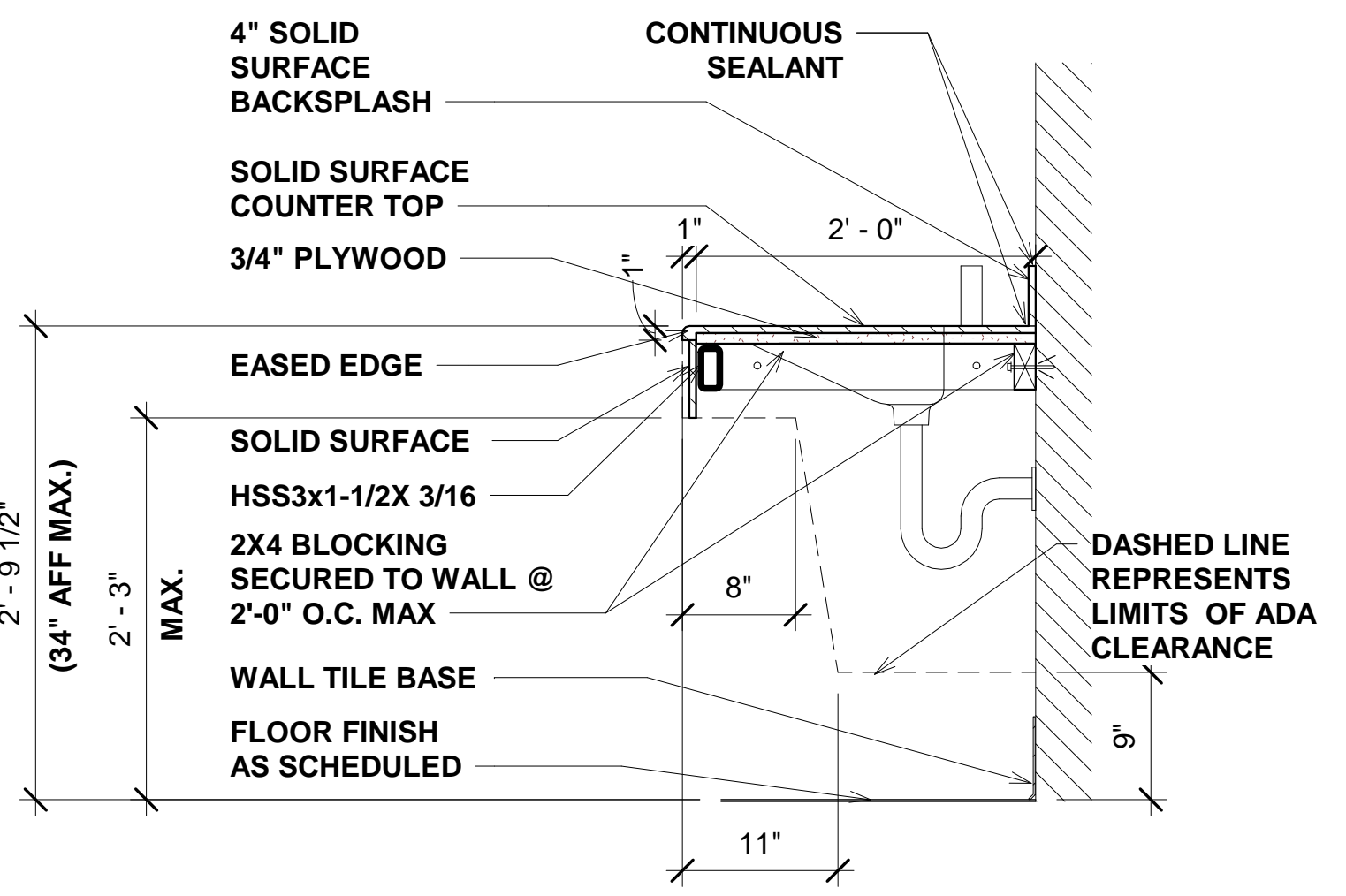
REFERENCE	DESCRIPTION
ADJ	ADJUSTABLE SHELF
FE	FINISHED END
UNO	UNLESS NOTED OTHERWISE
W	BUTTS WALL

REVISIONS  
NO. | DESCRIPTION | DATE

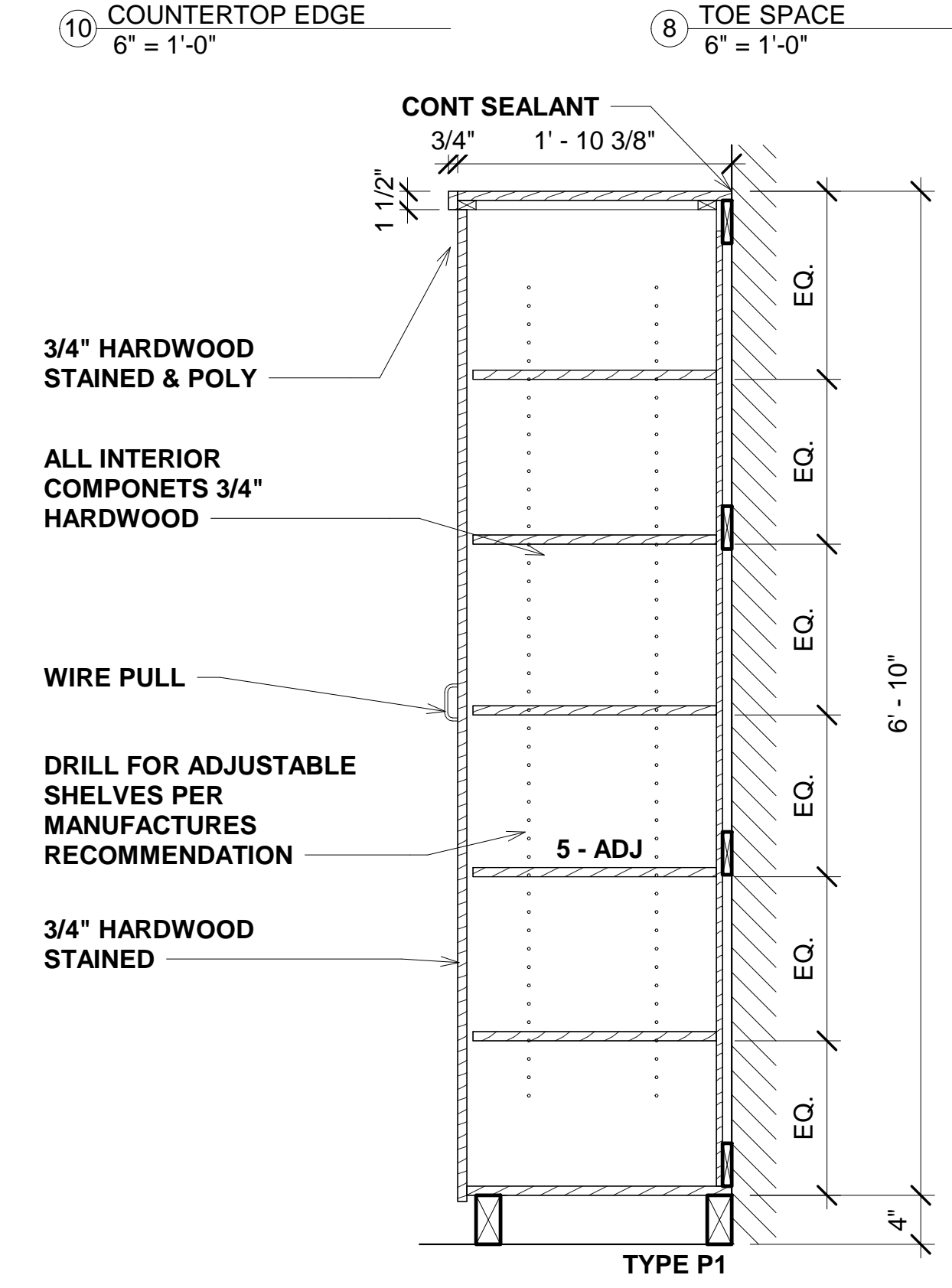
MILWORK SECTIONS AND DETAILS  
**DEKALB COUNTY FIRE STATION**  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



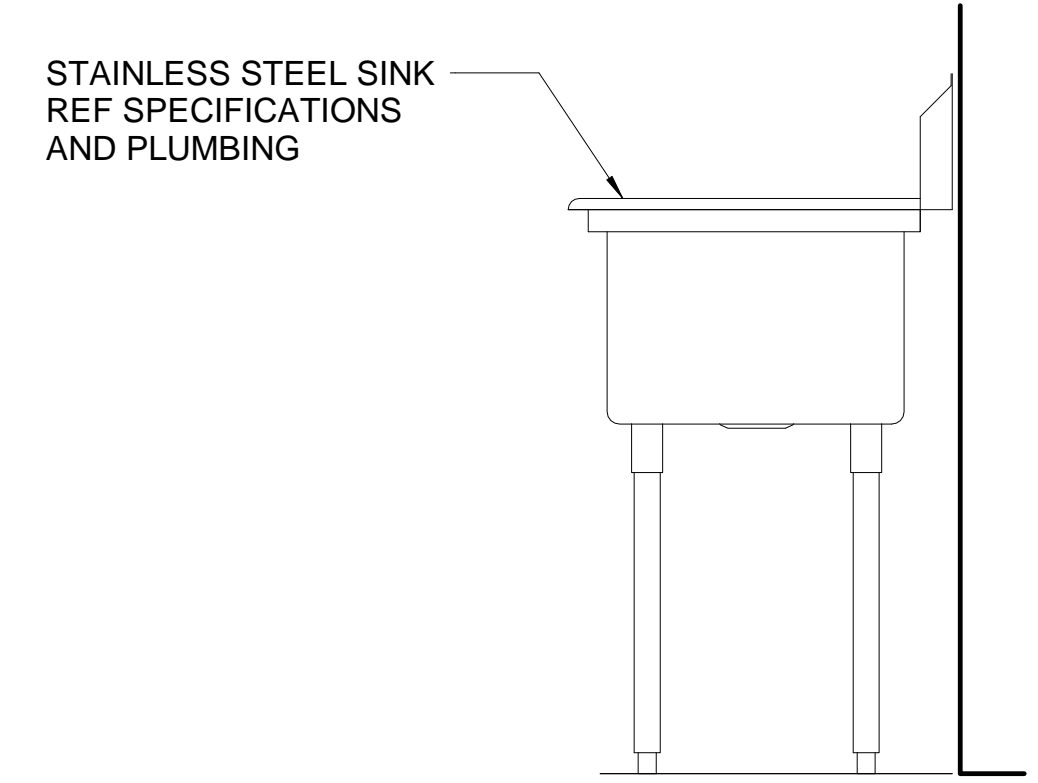
8 TOE SPACE  
6" = 1'-0"



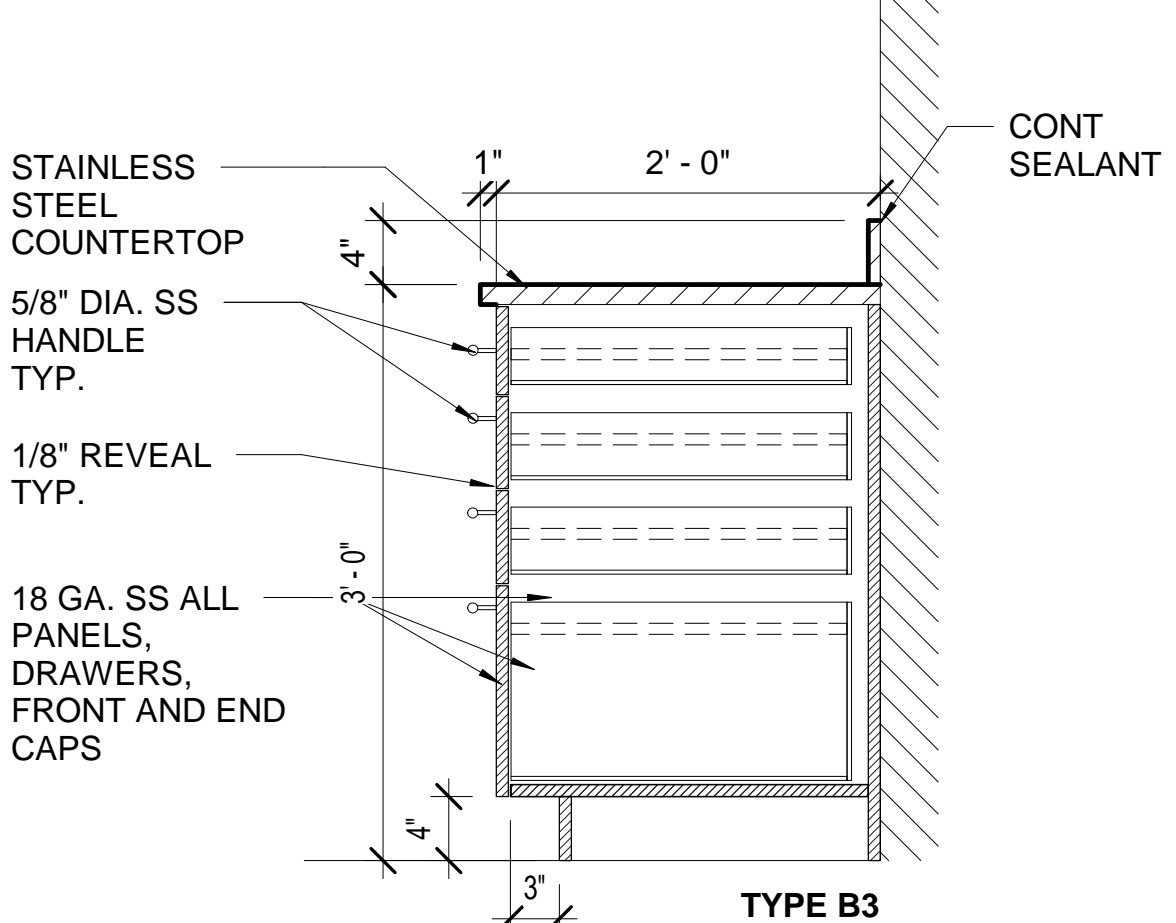
7 COUNTER SECTION AT RESTROOM SINK  
1" = 1'-0"



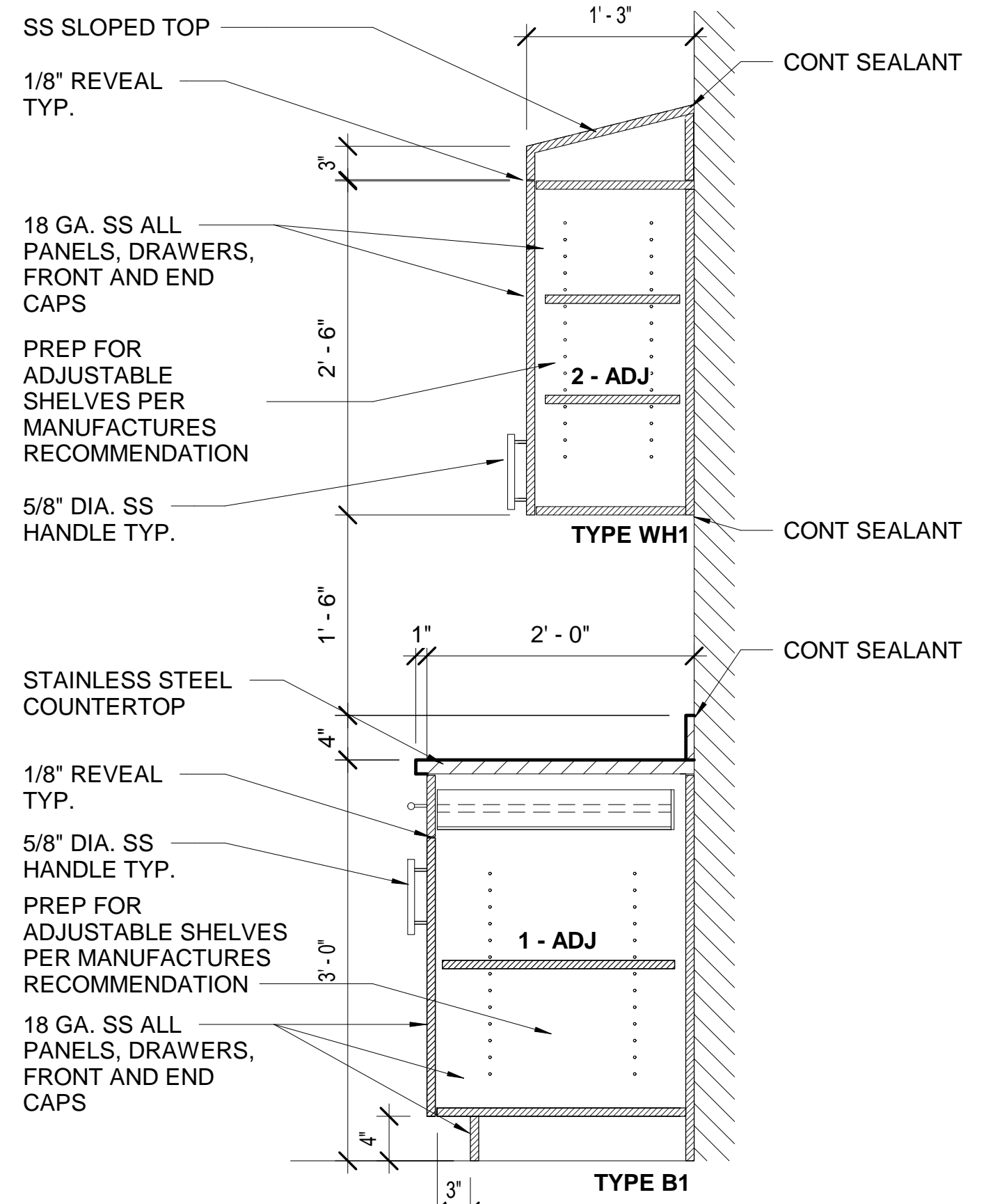
4 PANTRY CABINET SECTION - P1  
1" = 1'-0"



3 SECTION AT KITCHEN SINK  
1" = 1'-0"



2 CABINET SECTION  
1" = 1'-0"



1 CABINET SECTION - B1/WH1  
1" = 1'-0"

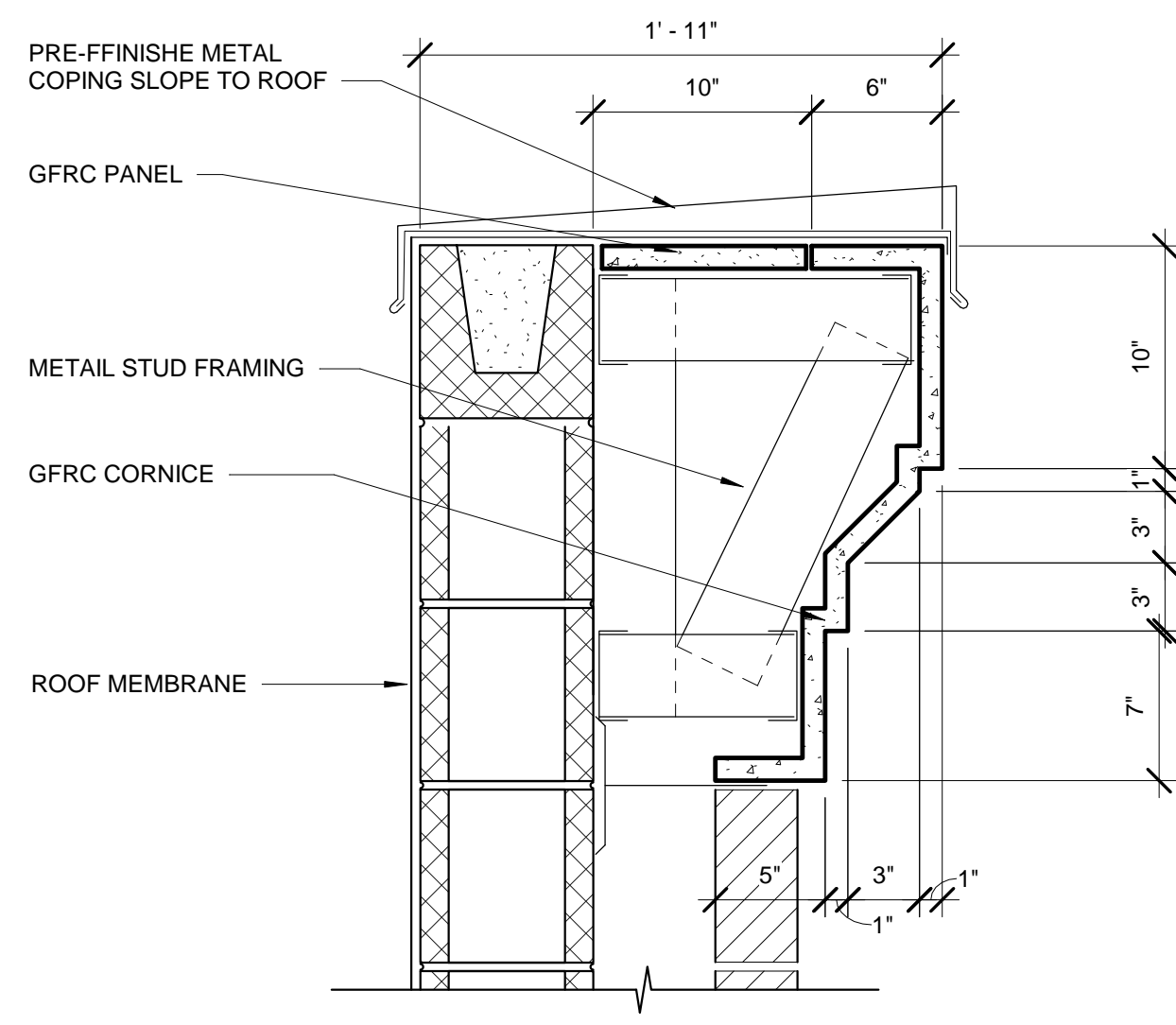
ISSUED FOR CONSTRUCTION

**BROWN DESIGN GROUP**  
 ARCHITECTS: PLANNERS INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA 30344  
 (O) 404-559-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

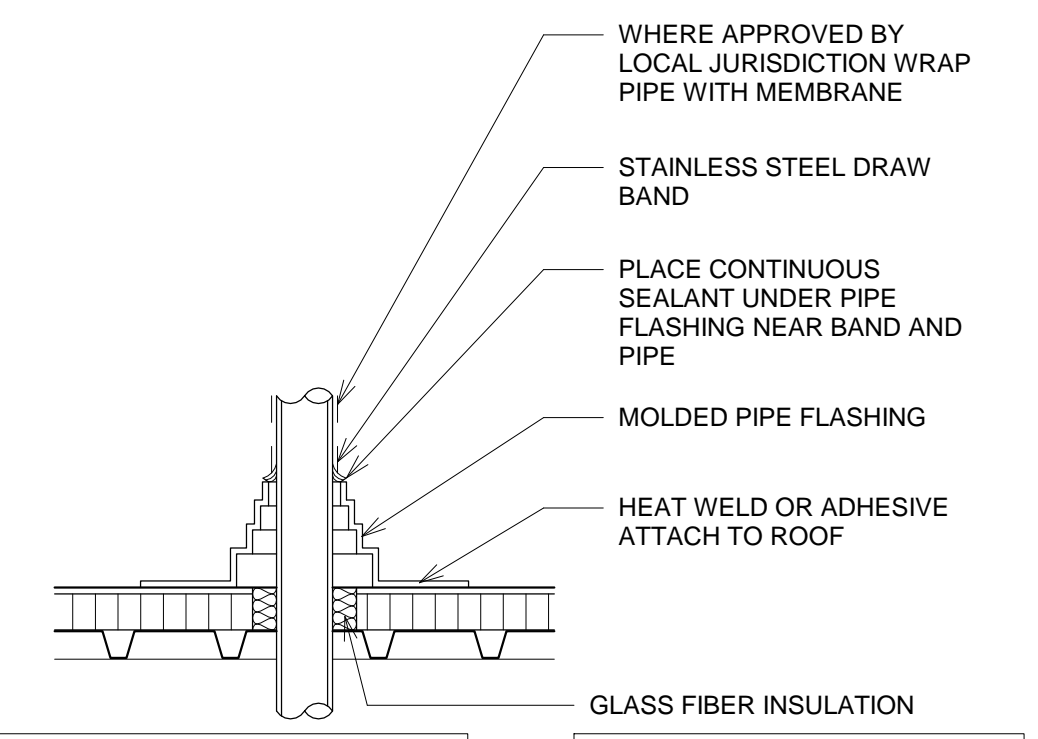
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 DRAWN: RR,CM  
 SCALE: As Indicated  
 DWG. DATE: 01/09/2019  
 PRINT DATE: 9/3/2019 11:35:29 AM  
 JOB NO.: B1605-02

SHEET  
**A4.3**





11 CORNICE DETAIL  
1 1/2" = 1'-0"



NOTE: WHEN PENETRATION IS LARGER THEN 6" REF ROOFING MANUFACTURER'S SPECIFICATIONS

NOTE: FOR ELECTRICAL PENETRATIONS AND CONDENSATE PIPE PENETRATIONS USE URETHANE RUBBER SEAL SYSTEM

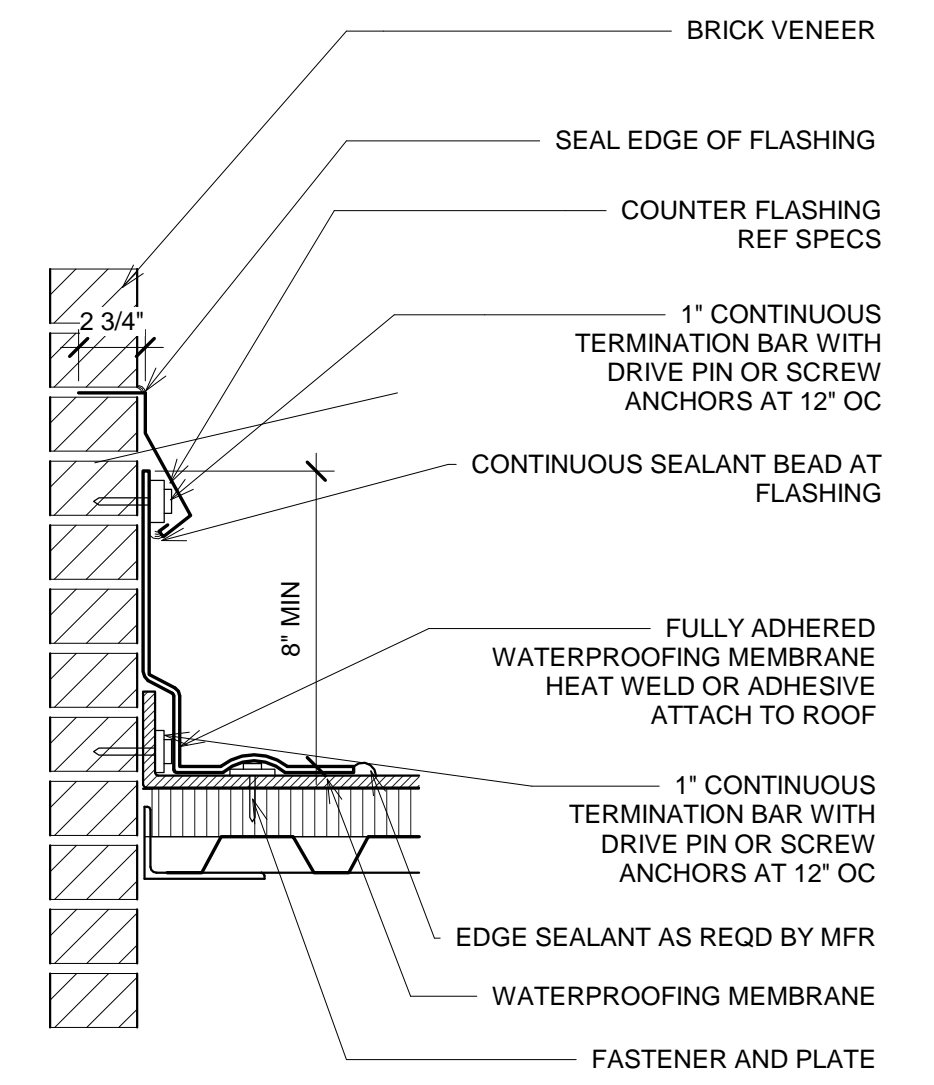
NOTE: FLASHING AND TPO SYSTEM SHALL BE INSTALLED AS PER MANUFACTURES REQUIREMENTS TO INSURE WARRANTED INSTALLATION.

8 ROOF PENETRATION  
1" = 1'-0"



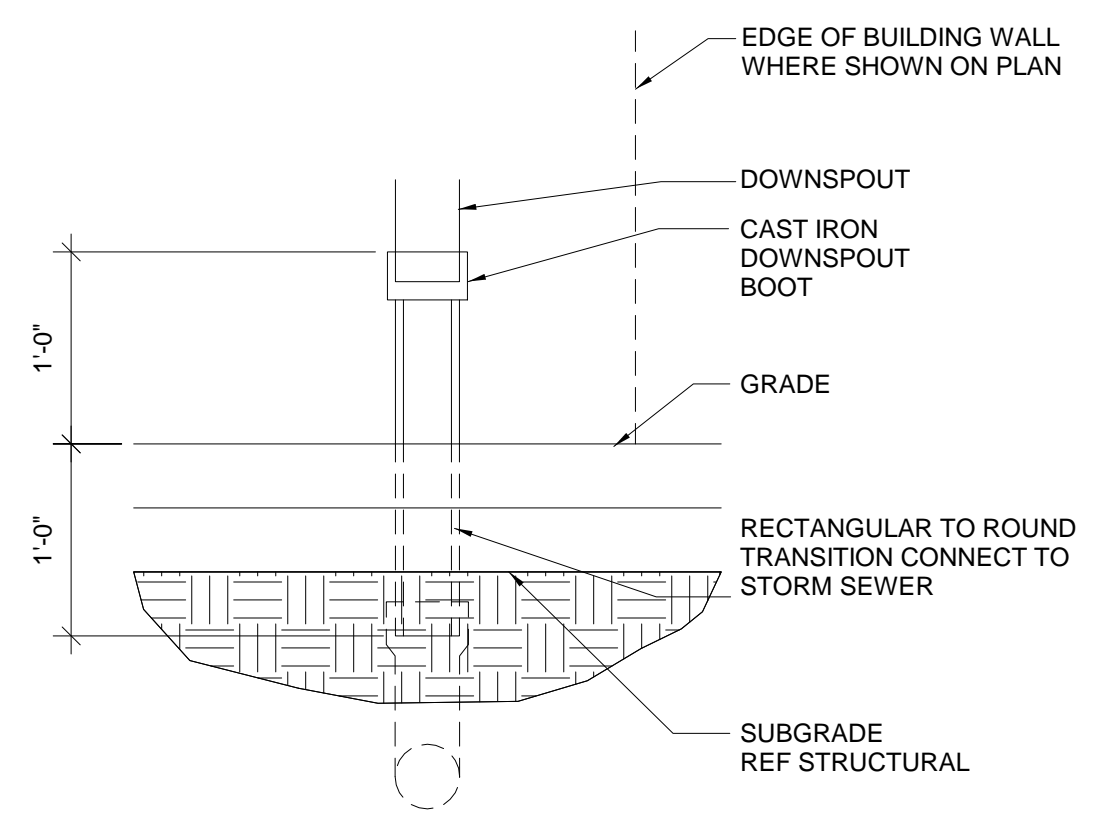
NOTE: FLASHING AND TPO SYSTEM SHALL BE INSTALLED AS PER MANUFACTURES REQUIREMENTS TO INSURE WARRANTED INSTALLATION.

6 FLASHING MEMBRANE  
1 1/2" = 1'-0"



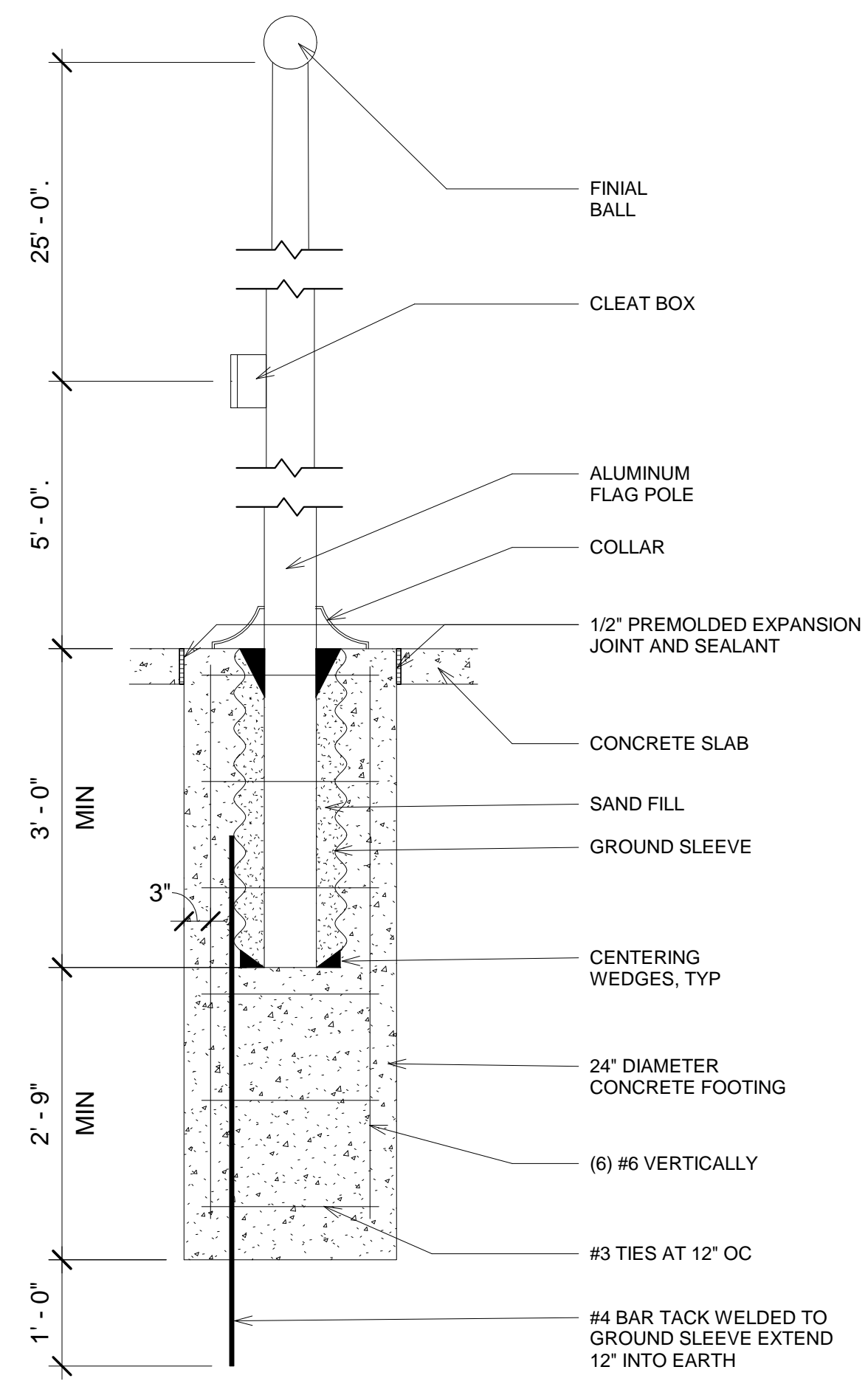
NOTE: FLASHING AND TPO SYSTEM SHALL BE INSTALLED AS PER MANUFACTURES REQUIREMENTS TO INSURE WARRANTED INSTALLATION.

3 FLASHING SECTION  
1 1/2" = 1'-0"

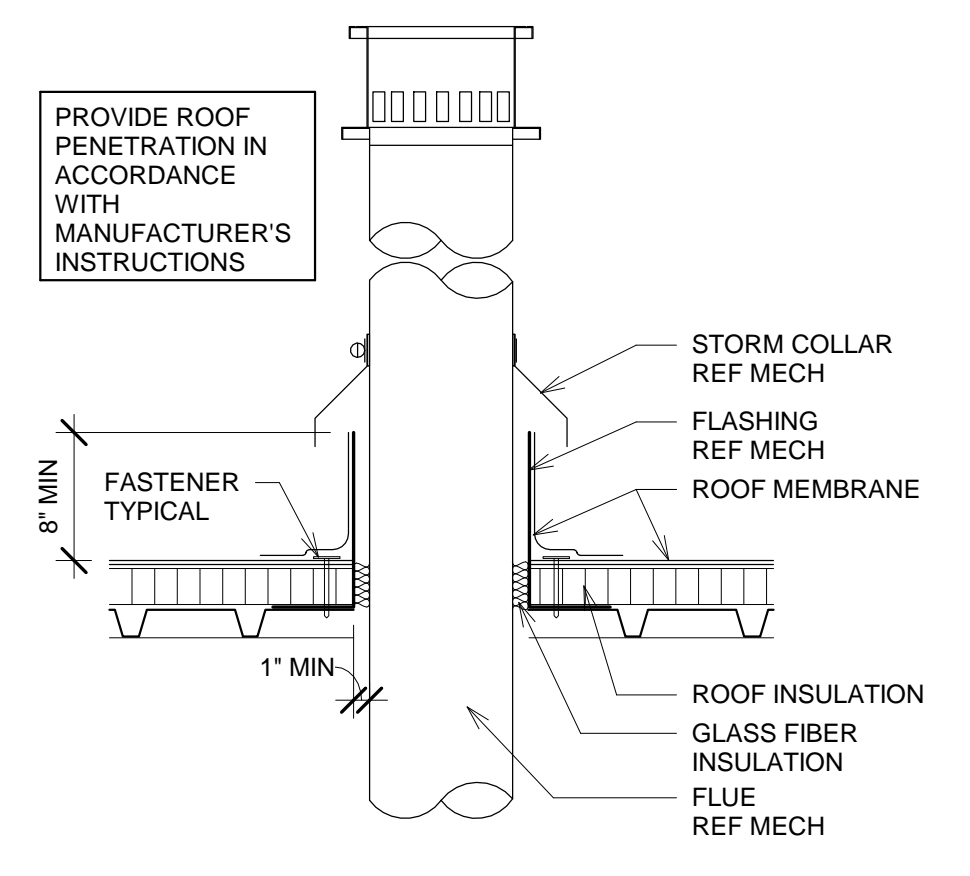


NOTE: REF CIVIL FOR DRAINAGE PIPE SIZE AND ELEVATION

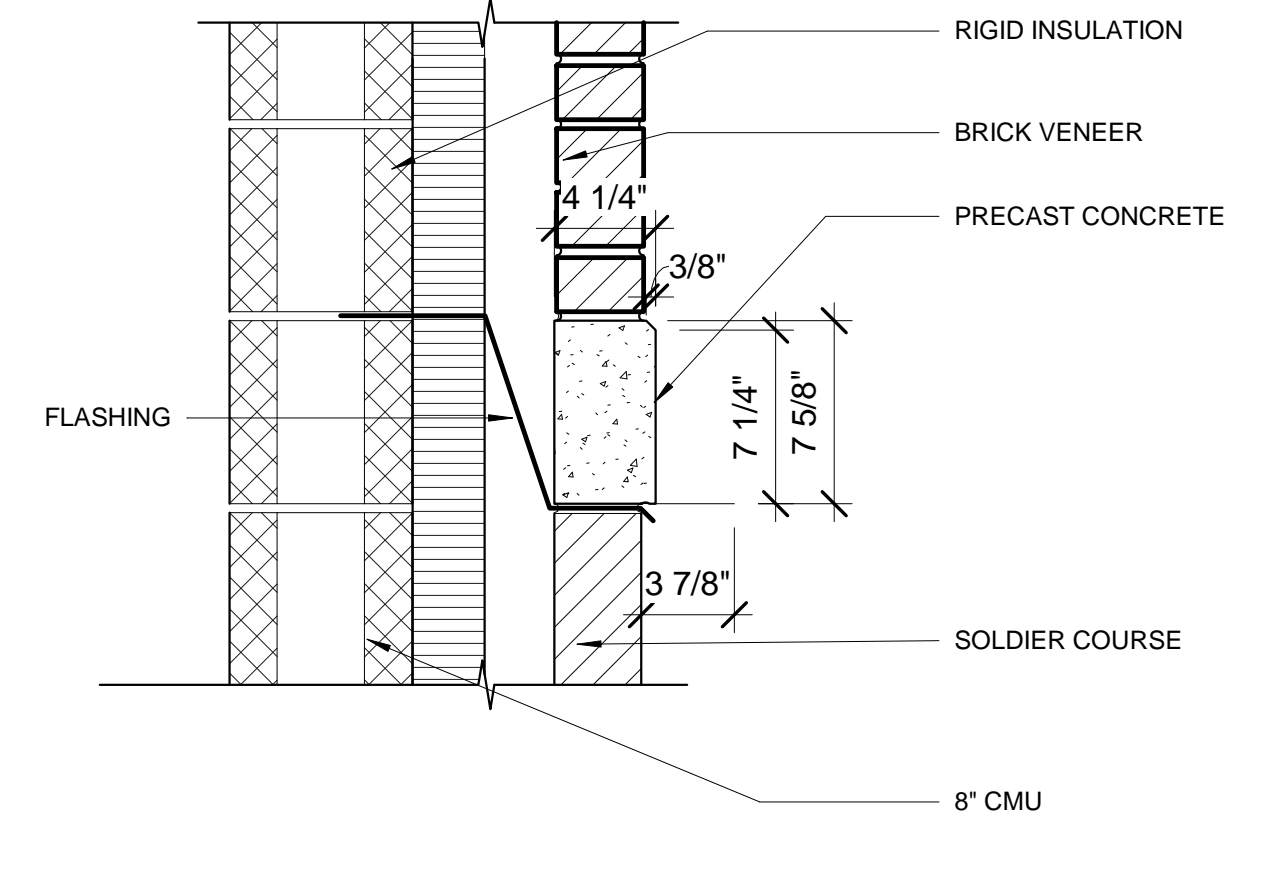
10 DOWNSPOUT COLLECTOR  
1" = 1'-0"



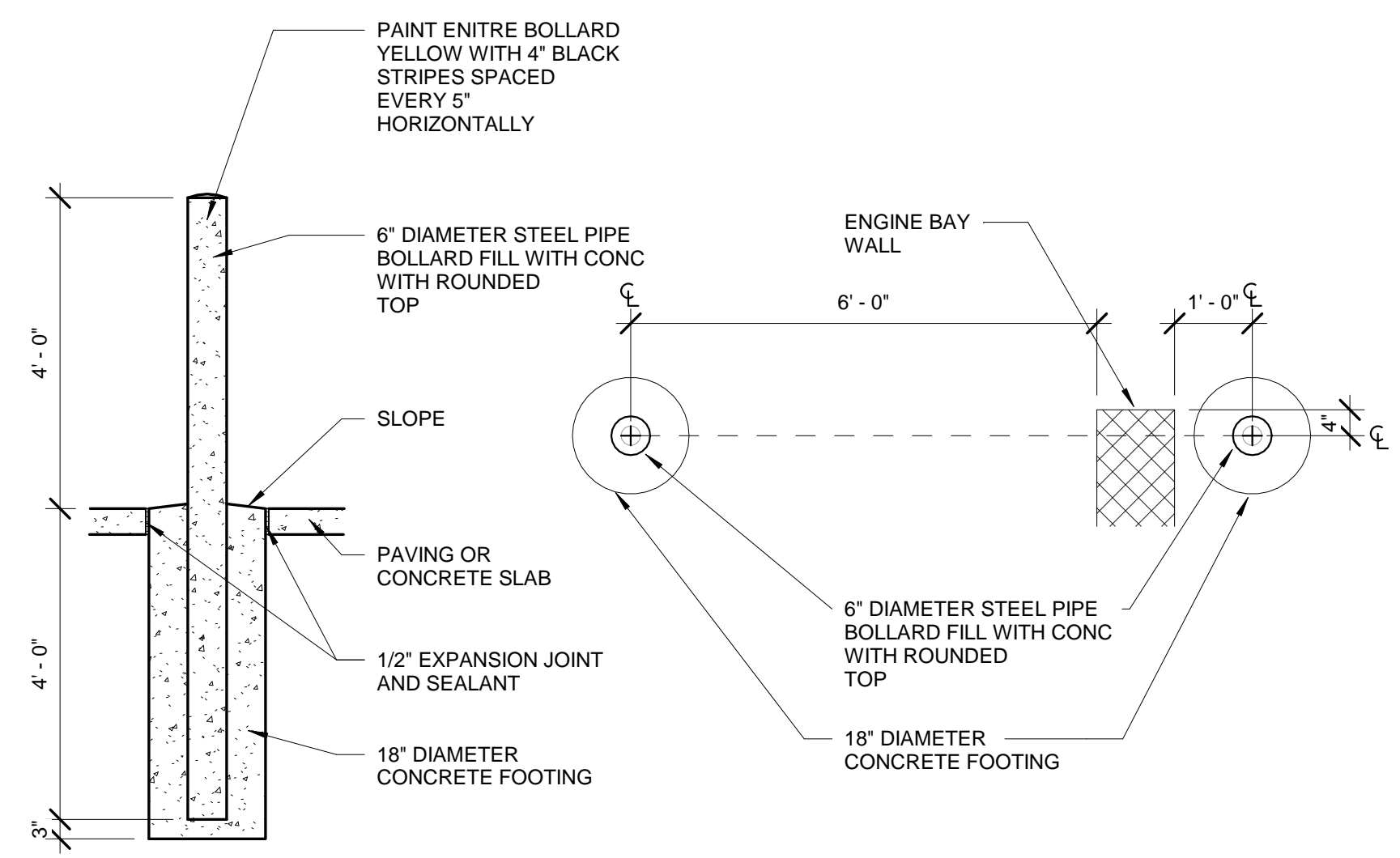
7 FLAG POLE (TYPICAL OF 3)  
3/4" = 1'-0"



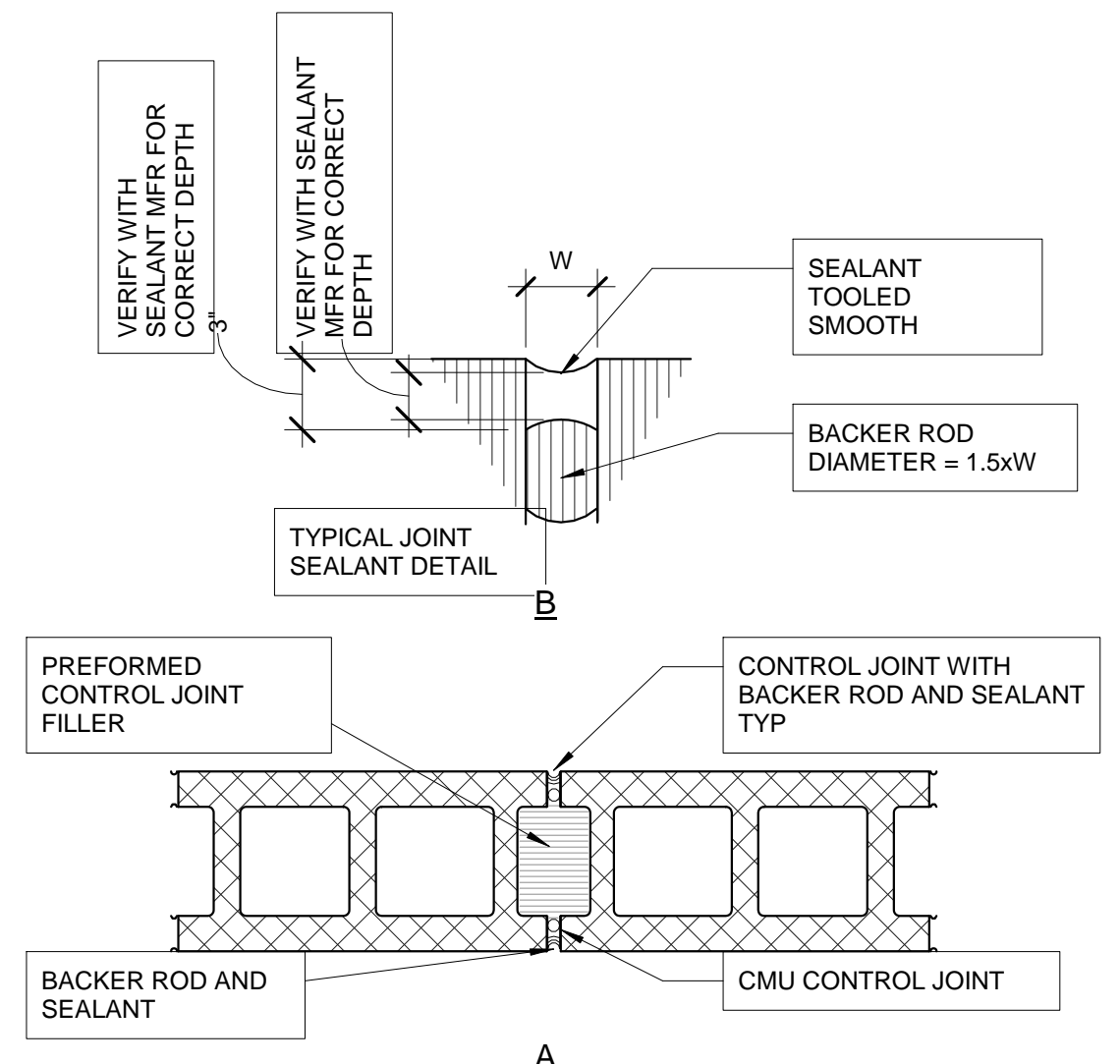
5 FLUE PENETRATION  
1" = 1'-0"



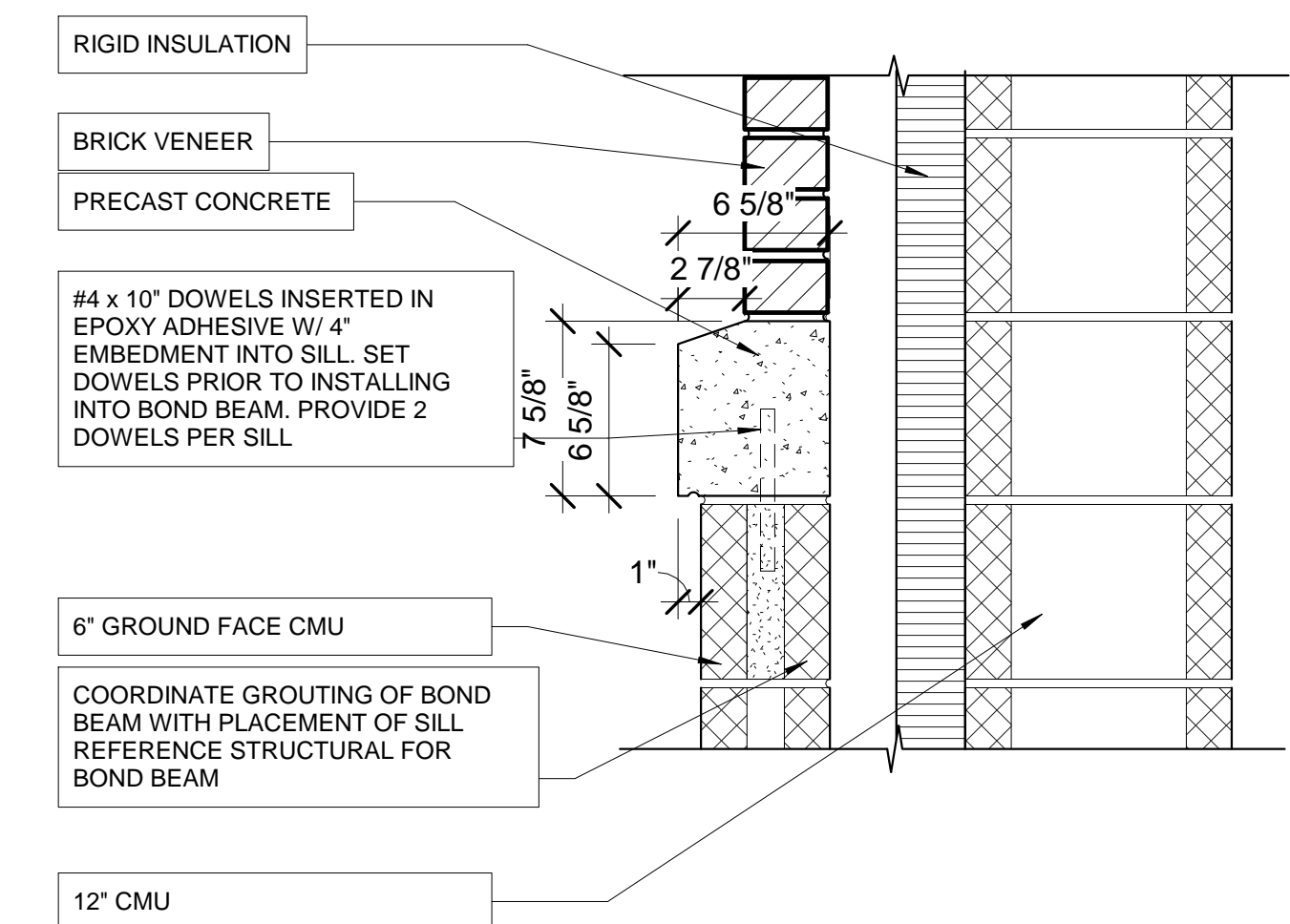
2 MATERIAL TRANSITION  
1 1/2" = 1'-0"



9 BOLLARD  
1/2" = 1'-0"



4 CONTROL JOINT  
1 1/2" = 1'-0"



1 MATERIAL TRANSITION  
1 1/2" = 1'-0"

REVISIONS		
NO.	DESCRIPTION	DATE



INTERIOR AND EXTERIOR DETAILS  
 DEKALB COUNTY FIRE STATION  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

BROWN DESIGN GROUP  
 ARCHITECTS: PLANNERS, INTERIOR DESIGNERS  
 3099 WASHINGTON ROAD, EAST POINT, GA 30344  
 (O) 404-559-1805 (F) 404-761-0020 (E) THEBROWDESIGNGROUP.COM

CHECKED: CC
DRAWN: RR,CM
SCALE: As Indicated
DWG. DATE: 01/09/2019
PRINT DATE: 9/3/2019 11:35:30 AM
JOB NO: B1605-02

ISSUED FOR CONSTRUCTION  
 SHEET  
**A4.4**





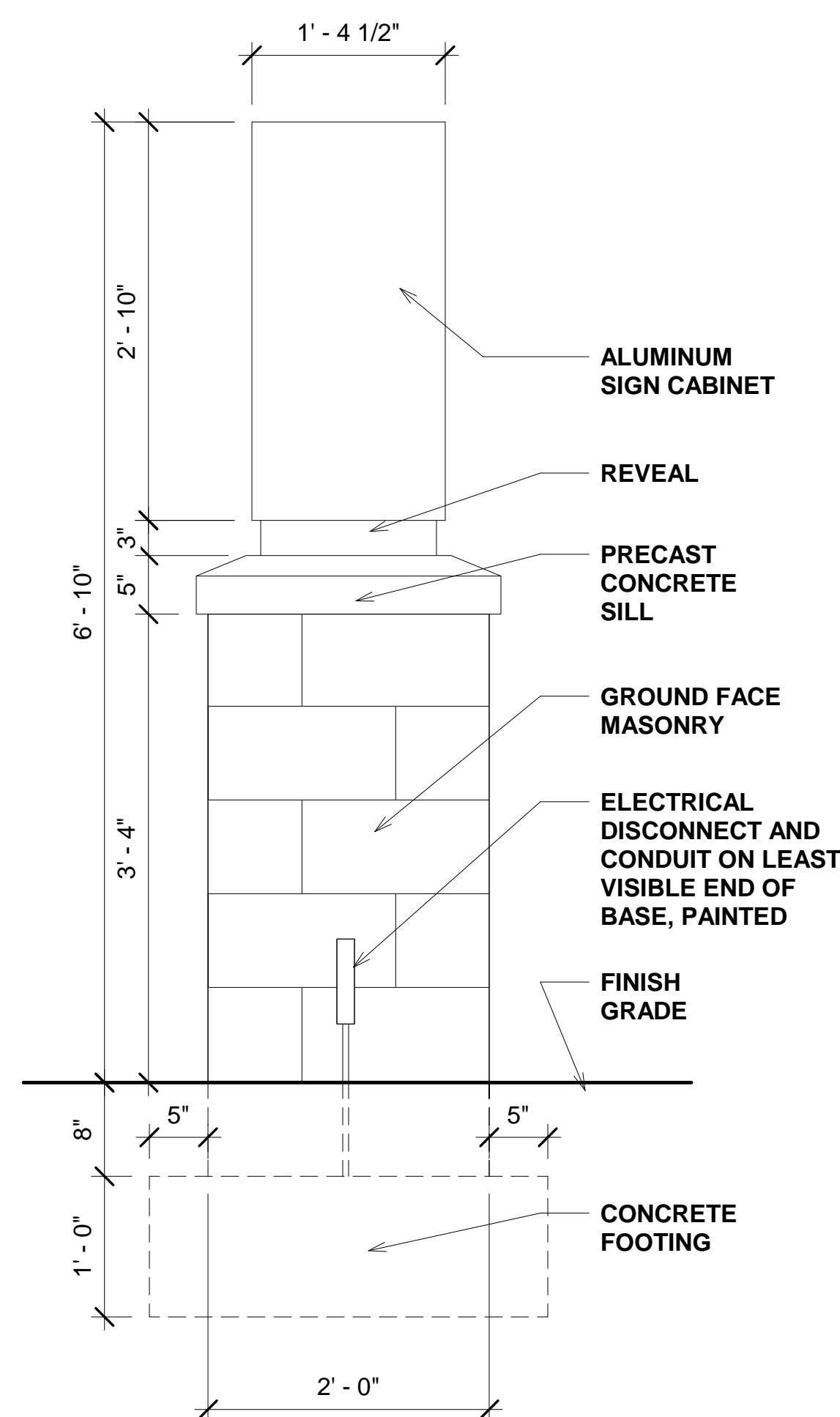
- SHEET NOTES**
1. PROVIDE MONUMENT SIGN PER DETAILS ON THIS SHEET AND OTHERWISE INDICATED ON THE DRAWINGS
  2. MONUMENT SIGN SHALL BE EXTERNAL LIGHTED BY GROUND MOUNTED FIXTURES. PROVIDE TWO LED LIGHT FIXTURES FOR MONUMENT SIGN. PROVIDE STANCHIONS FOR EACH LIGHT FIXTURE. PROVIDE ALL WORK FOR EACH LIGHT FIXTURE TO OPERATE AS IT IS INTENDED. COORDINATE LOCATION AND HEIGHT OF OF FIXTURE WITH ARCHITECT PRIOR TO INSTALLATION
  3. WALL SIGN SUPPLIER SHALL SUBMIT DETAILS NECESSARY TO CONSTRUCT SIGNANGE, INCLUDING BUT NOT LIMITED TO SUPPORTS, SIGN LETTERING ATTACHMENT TO SUBSTRATE OR OTHER MATERIAL INDICATED ON DRAWING, DURING SUBMITTAL PROCESS

# DEKALB COUNTY FIRE STATION NO. 7

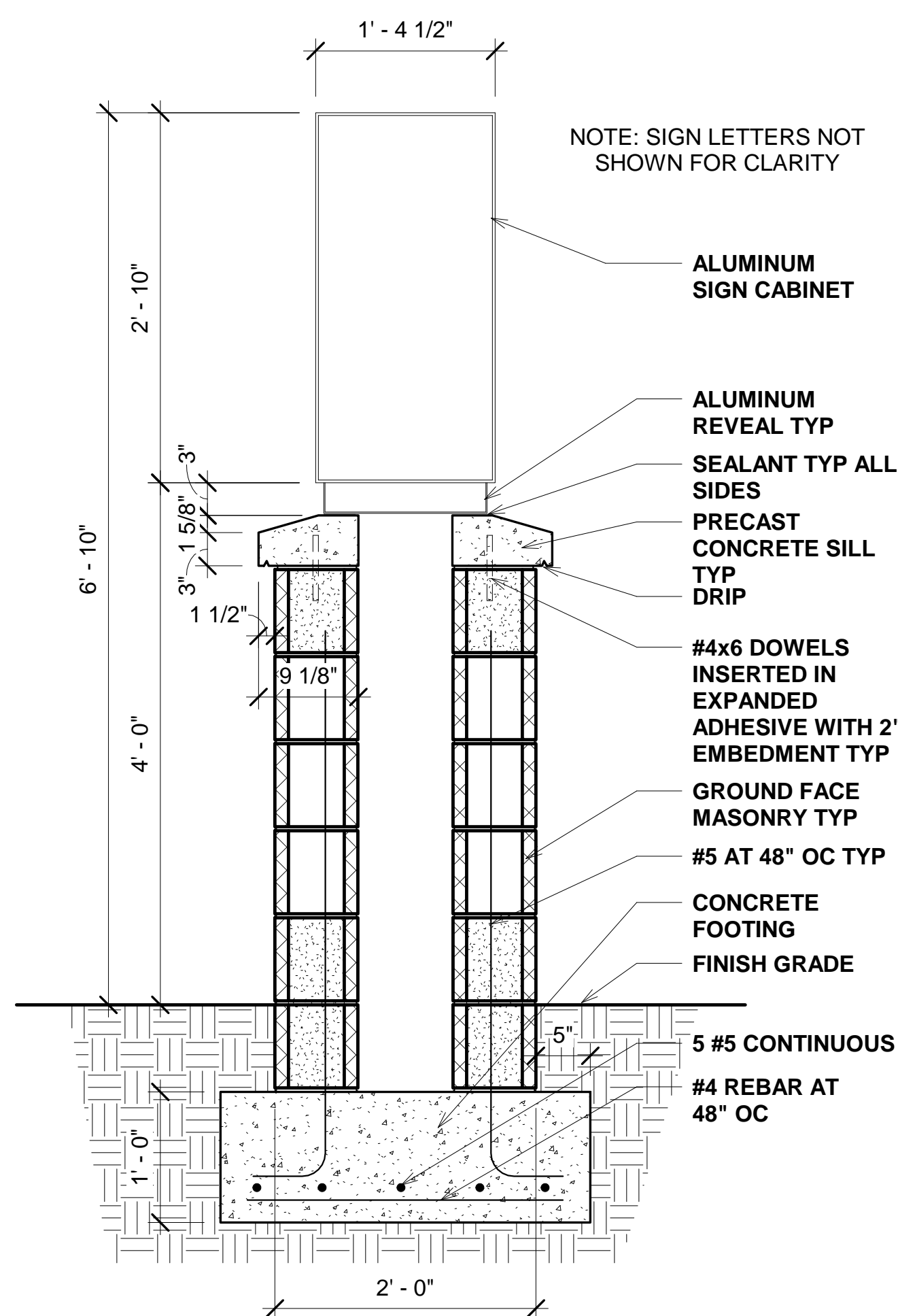
2'-0" BO SIGN 25'-8" BO SIGN

52' - 1 1/8"

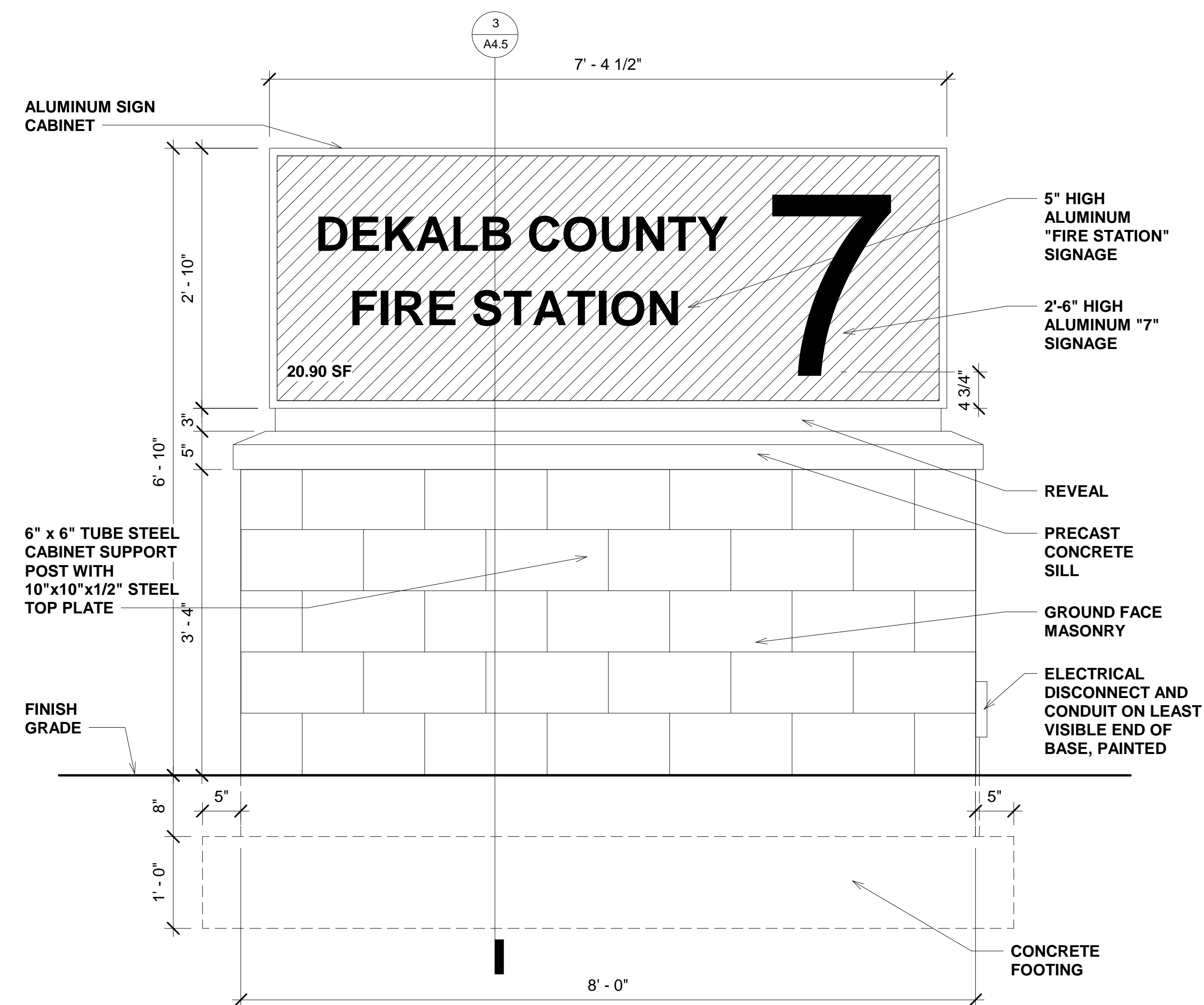
1 WALL SIGNAGE  
1/2" = 1'-0"



4 MONUMENT SIGN SIDE  
1" = 1'-0"



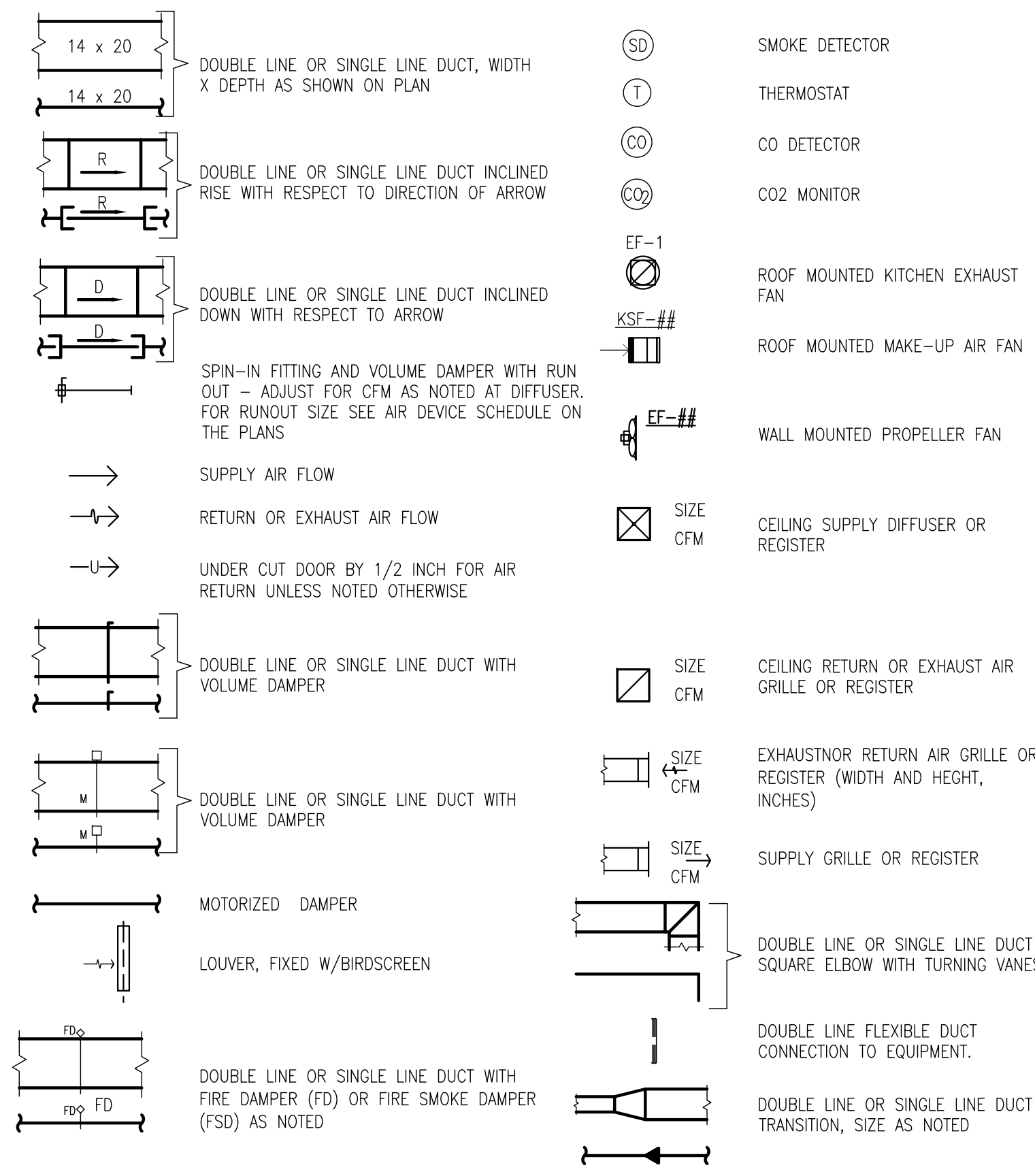
3 MONUMENT SIGN SECTION  
1" = 1'-0"



2 MONUMENT SIGN FRONT (REAR SIM.)  
1" = 1'-0"



**MECHANICAL SYMBOLS**

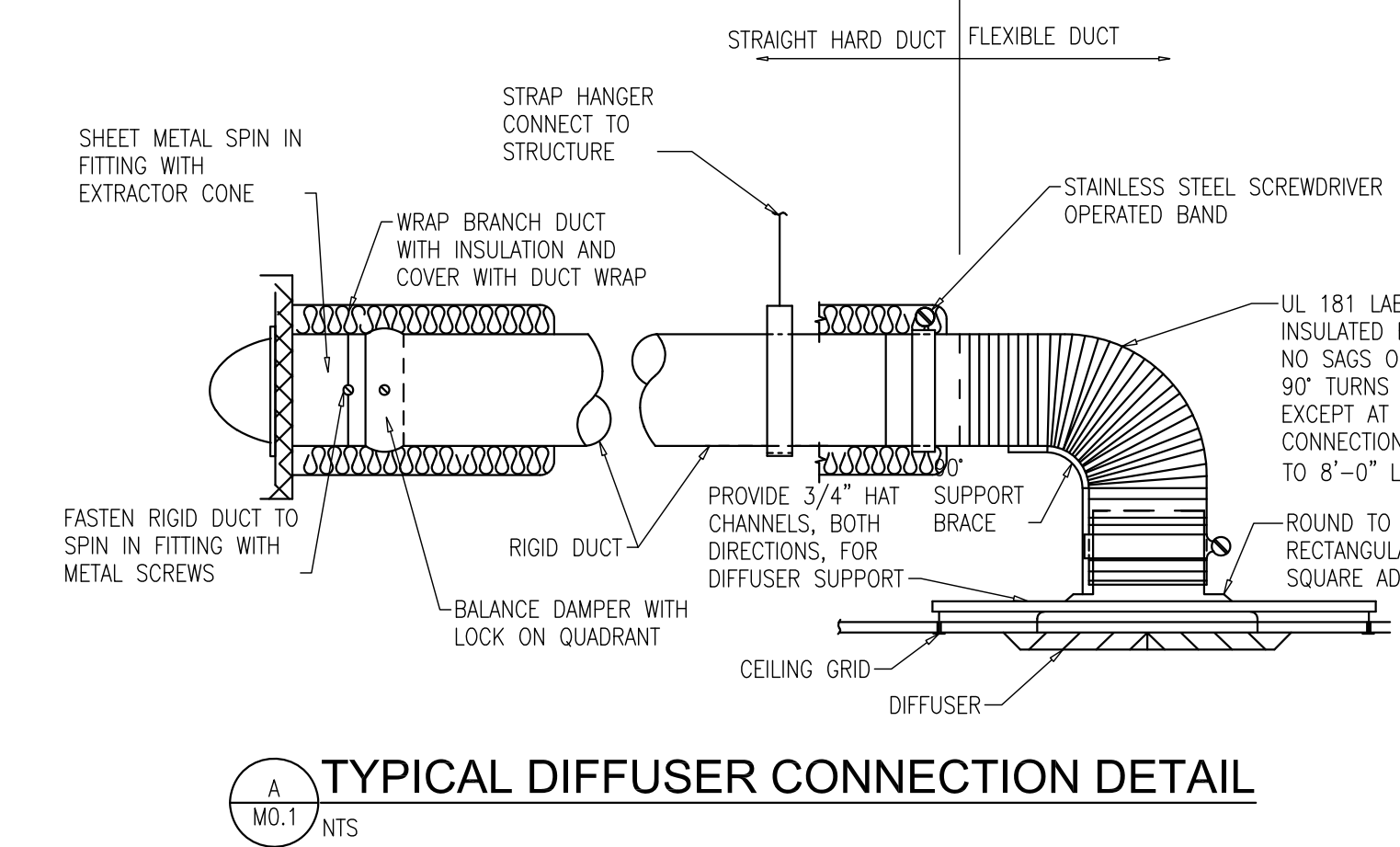


**GENERAL ABBREVIATIONS**

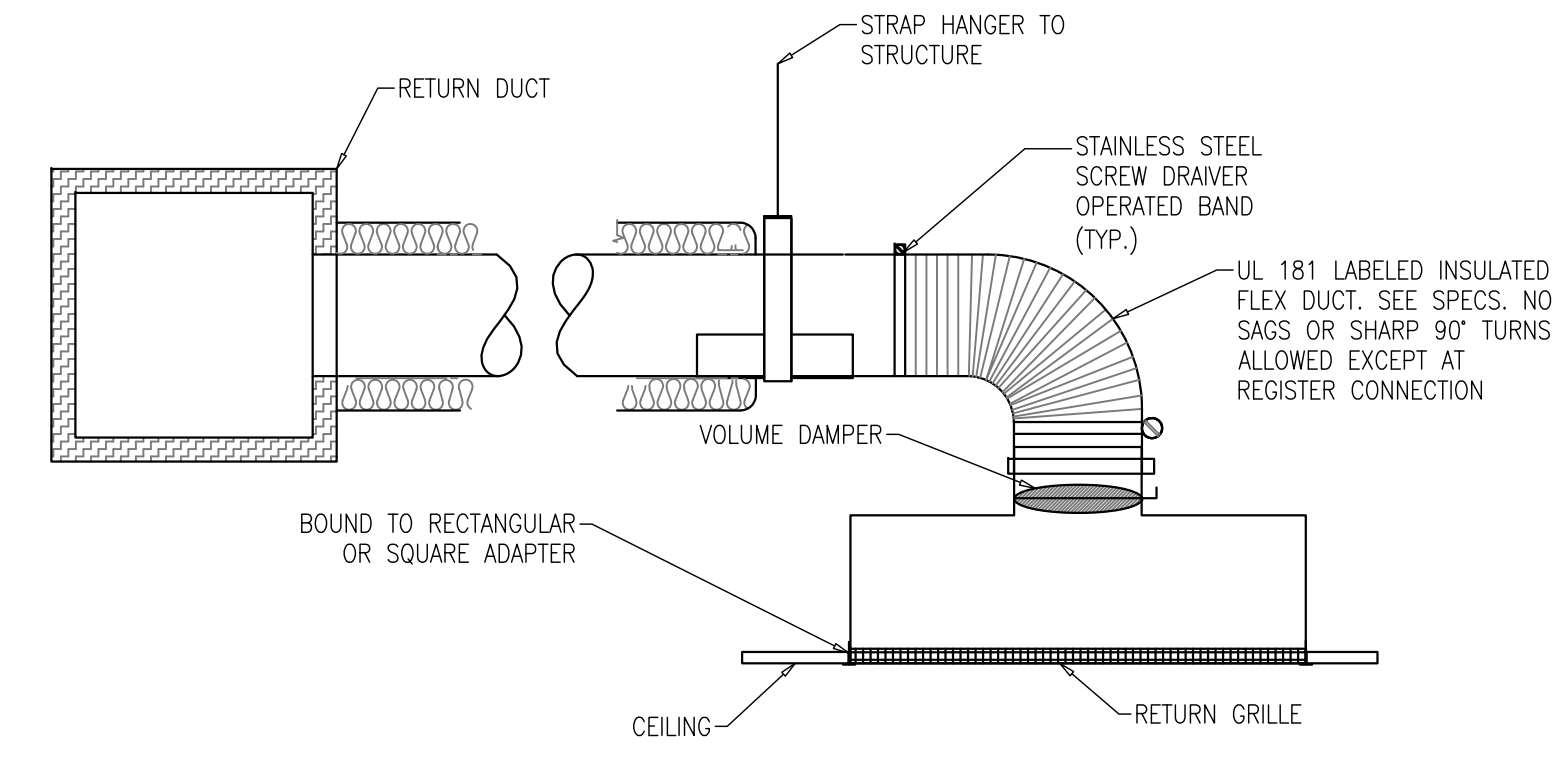
ASHRAE	AMERICAN SOCIETY OF HEATING	CODE
AFF	REFRIGERATING & AIR CONDITIONING INC	in WG INCH WATER GLASS
AHU	ABOVE FINISHED FLOOR	MBH THOUSAND BTU/HOUR
AL	AIR HANDLING UNIT	MCOP MAXIMUM OVER CURRENT PROT
ATG	ALUMINUM	MD MOTORIZED DAMPER
ATD	AIR TRANSFER GRILL	MFR MANUFACTURE(R)
AUTO	AIR TRANSFER DIFFUSER	MIN MINIMUM
AUX	AUXILIARY	MISC MISCELLANEOUS
BTU	BRITISH THERMAL UNIT	MTR MOTOR
CD	CEILING DIFFUSER	N/A NOT APPLICABLE
CFM	CUBIC FEET PER MINUTE	NIC NOT IN CONTRACT
CO	CARBON MONOXIDE	No. NUMBER
CO <sub>2</sub>	CARBON DIOXIDE	NTS NOT TO SCALE
CLG	CEILING	OA OUTSIDE AIR
COMP	COMPRESSOR	PE POWERED EXHAUST
CONT	CONTROL	PRI PRIMARY
CU	CONDENSING UNIT	PT POTENTIAL TRANSFORMER
DB	DRY BULB	PVC POLYVINYL CHLORIDE
DIAG	DIAGRAM	REQD REQUIRED
DWG	DRAWING	RC RETURN GRILL
EA	EACH	RPM REVOLUTION PER MINUTE
EF	EXHAUST FAN	RTU ROOF TOP UNIT
EER	ENERGY EFFICIENCY RATIO	SCHD SCHEDULE
ENCL	ENCLOSURE/ENCLOSED	SEER SEASONAL ENERGY EFFICIENCY RATIO
EQPT	EQUIPMENT	SPEC SPECIFICATION
EXH	EXHAUST	SD SMOKE DETECTOR
EXT	EXTERNAL	SYM SYMMETRICAL
FCU	FAN COIL UNIT	SP STATIC PRESSURE
FD	FIRE DAMPER	SYS SYSTEM
GALV	GALVANIZED	T THERMOSTAT
GRND	GROUND	TYP TYPICAL
HP	HEAT PUMP	UN UNLESS OTHERWISE NOTED
HSPF	HEATING SEASONAL PERFORMANCE FACTOR	V VOLT
HVAC	HEATING, VENTILATION, AND AIR CONDITIONING	VA VOLT/AMPERE
IMC	INTERNATIONAL MECHANICAL	W/ WITH
		WB WET BULB

**GENERAL NOTES**

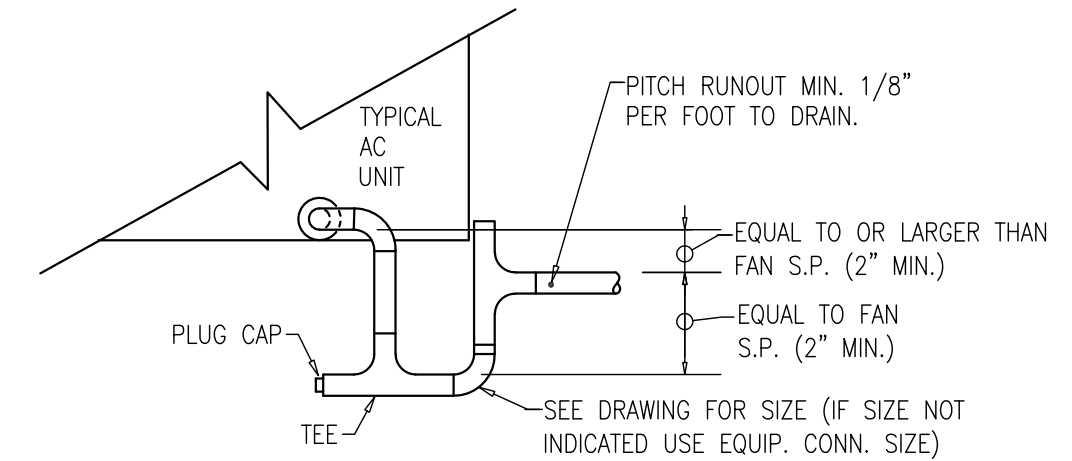
- FURNISH AND INSTALL, HVAC EQUIPMENT, EXHAUST FANS, AIR DUCTS, MATERIALS AND APPURTENANCES AS SPECIFIED AND AS SHOWN ON THE DRAWINGS. COORDINATE WITH ARCHITECTURAL, PLUMBING AND ELECTRICAL DRAWINGS TO GET A COMPLETE UNDERSTANDING OF THE WORK.
- PROVIDE QUALIFIED, LICENSED AND EXPERIENCED WORKMEN WITH ADEQUATE SUPERVISION TO INSTALL AND COMPLETE THE WORK AS SPECIFIED. BRING ALL DISCREPANCIES AND CONFLICTS TO THE ATTENTION OF THE ENGINEER PRIOR TO ANY INSTALLATION OF MATERIALS OR EQUIPMENT.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE AND LOCAL CODES:
  - INTERNATIONAL BUILDING CODE (IBC) 2012 EDITION WITH GEORGIA STATE AMENDMENTS 2014 & 2015
  - INTERNATIONAL MECHANICAL CODE (IMC) 2012 EDITION WITH GEORGIA STATE AMENDMENTS 2015.
  - INTERNATIONAL FUEL GAS CODE IFGC 2012 EDITION WITH GEORGIA AMENDMENTS 2014 & 2015.
  - NATIONAL ELECTRIC CODE (NEC) 2017 WITH NO GEORGIA STATE AMENDMENTS
  - INTERNATIONAL FIRE CODE (IFC) 2012 EDITION WITH GEORGIA STATE AMENDMENTS 2014
  - INTERNATIONAL ENERGY CONSERVATION CODE (IECC) 2009 EDITION & WITH GEORGIA STATE SUPPLEMENTS AND AMENDMENTS 2011 & 2012
- CONTRACTOR SHALL COORDINATE MECHANICAL WORK WITH ALL OTHER TRADES PRIOR TO FABRICATION AND INSTALLATION. COORDINATE THE SIZE OF ALL WALL OPENINGS, ROOF OPENINGS AND EQUIPMENT PADS WITH ACTUAL EQUIPMENT PURCHASED.
- IN AREAS WITHOUT CEILING PROVIDE HARD ROUND OR RECTANGULAR UN-INSULATED DUCT.
- CONTRACTOR SHALL PROVIDE FOR ALL LOW VOLTAGE CONTROL WIRING, THERMOSTATS, CONTROL TRANSFORMERS, DAMPERS, ETC. NECESSARY TO ACHIEVE THE SEQUENCE OF OPERATION. COORDINATE WITH THE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS.
- ROUTE FULL SIZE CONDENSATE DRAINS WITH ALL NECESSARY TRAPS AND VENTS TO FLOOR DRAIN OR BUILDING EXTERIOR.
- PROVIDE MANUAL VOLUME DAMPERS AT ALL BRANCH TAKE-OFFS AND RUN-OUTS TO AIR DISTRIBUTION DEVICES.
- PROVIDE ALUMINUM WALL LOUVERS WITH MOTOR OPERATED DAMPERS (MOD) AND BIRD SCREEN. THE MINIMUM FREE AREA SHALL BE EQUAL TO 47% OF TOTAL. PROVIDE WITH KYMAR FINISH, COLOR TO BE SELECTED BY ARCHITECT. MOD'S SHALL BE 110 V/1 PH WITH POWER OPEN AND SPRING RETURN (HONEYWELL ML4125). COORDINATE WITH ELECTRICAL DRAWINGS TO HAVE POWER PROVIDED FOR THE DAMPER WITHOUT ADDITIONAL COST TO THE OWNER.
- REFRIGERANT LINES CONDENSATE LINES AND WATER LINES ABOVE AND BELOW THE CEILING SHALL BE INSULATED AS SPECIFIED OR NOTED
- MECHANICAL COMPONENTS ARE EXEMPT FROM THE REQUIREMENTS OF ASCE 7-05, CHAPTER 13 "SEISMIC DESIGN REQUIREMENTS FOR NON STRUCTURAL COMPONENTS. SEE NOTE K ON DRAWING S-1.
- CONTRACTOR SHALL OBTAIN THE SERVICES OF A NEBB REGISTERED TEST AND BALANCE AGENCY TO BALANCE THE ENTIRE AIR DISTRIBUTION SYSTEM.



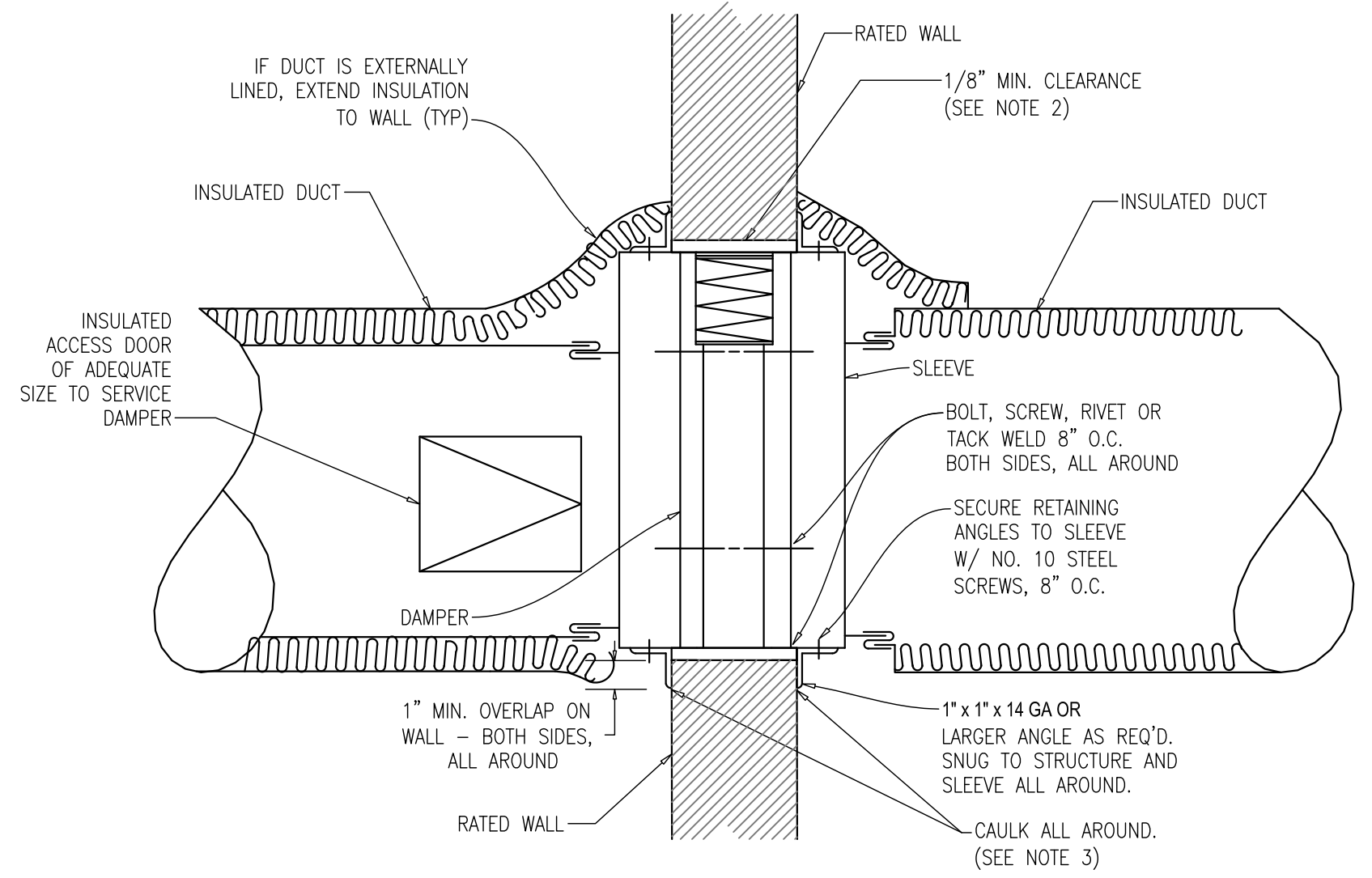
**TYPICAL DIFFUSER CONNECTION DETAIL**



**AIR RETURN GRILLE CONNECTION DETAIL**

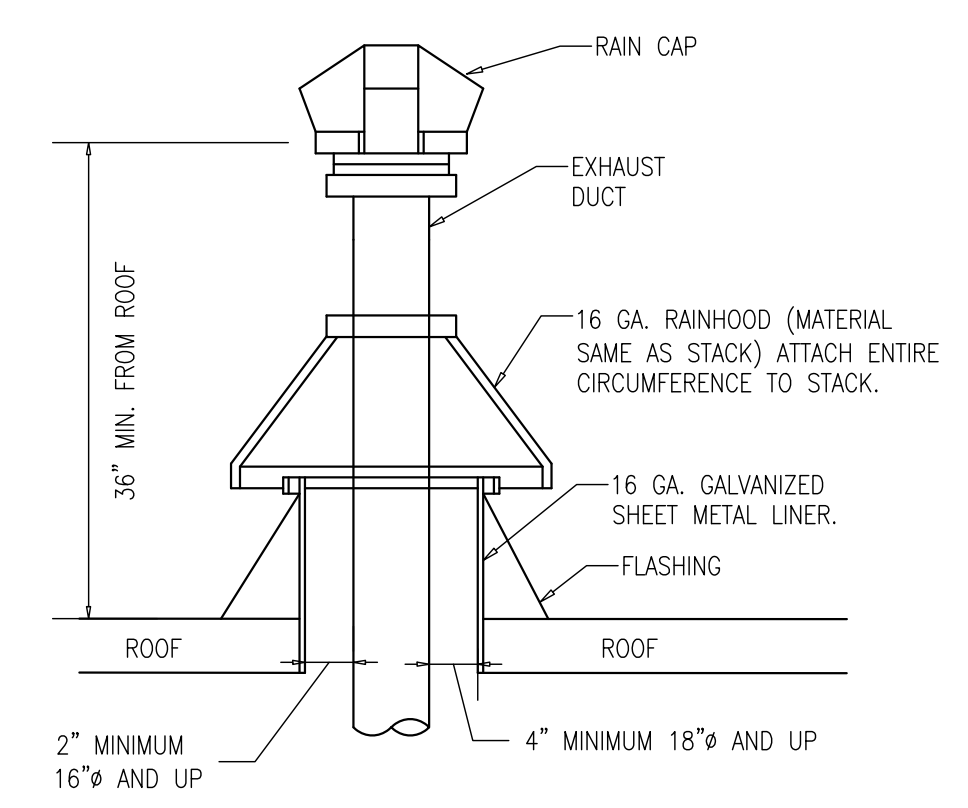


**TYPICAL AC UNIT DRAIN DETAIL**

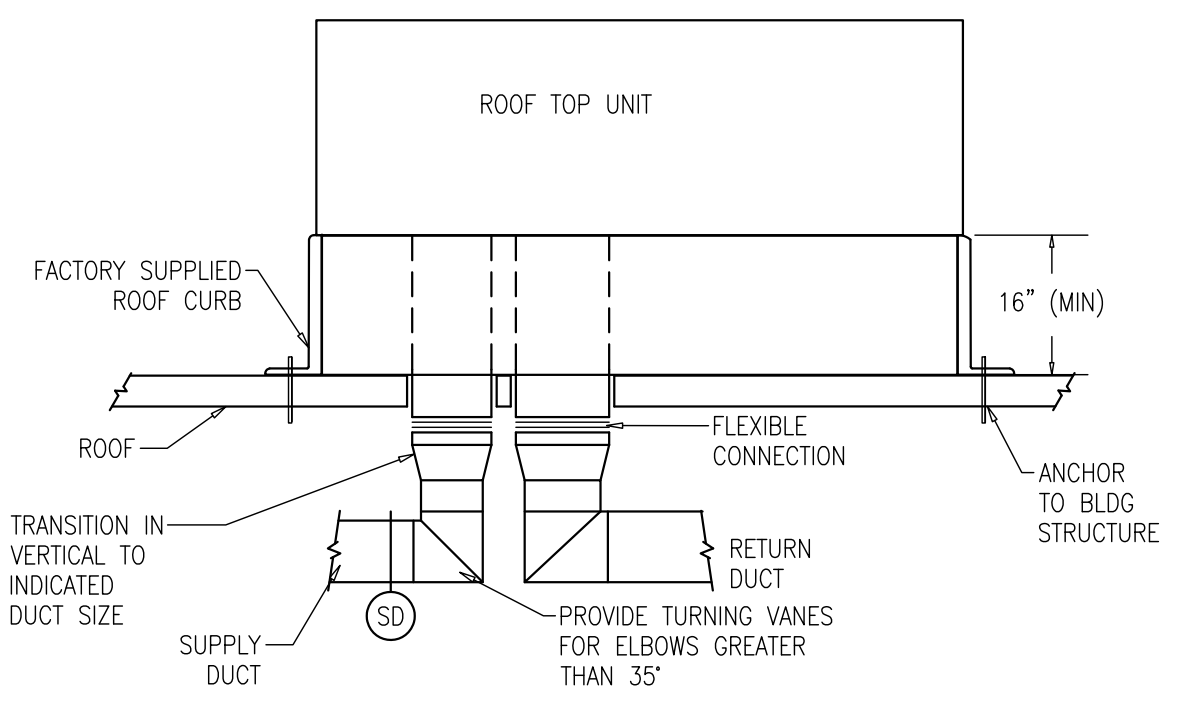


- MAKE DUCT CONNECTION TO SLEEVE AIR TIGHT.
- CLEARANCE AROUND DAMPER BASED ON 1/8" PER FT. OF WIDTH (OR HEIGHT) UNLESS OTHERWISE NOTED IN THE LISTING OF THE ASSEMBLY.
- CAULKING MATERIAL: DOW-CORNING 999, DOW-CORNING SILASTIC 732RTV OR GERTV108. PRESS SEALANT INTO PLACE TO DISPEL ANY AIR.
- DAMPER SHALL BE EQUIPPED WITH A 165 °F FUSIBLE LINK.

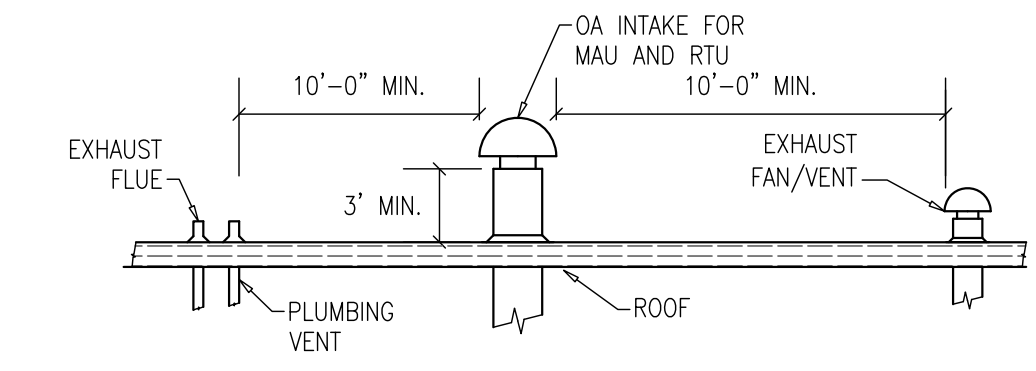
**WALL FIRE DAMPER INSTALLATION DETAIL**



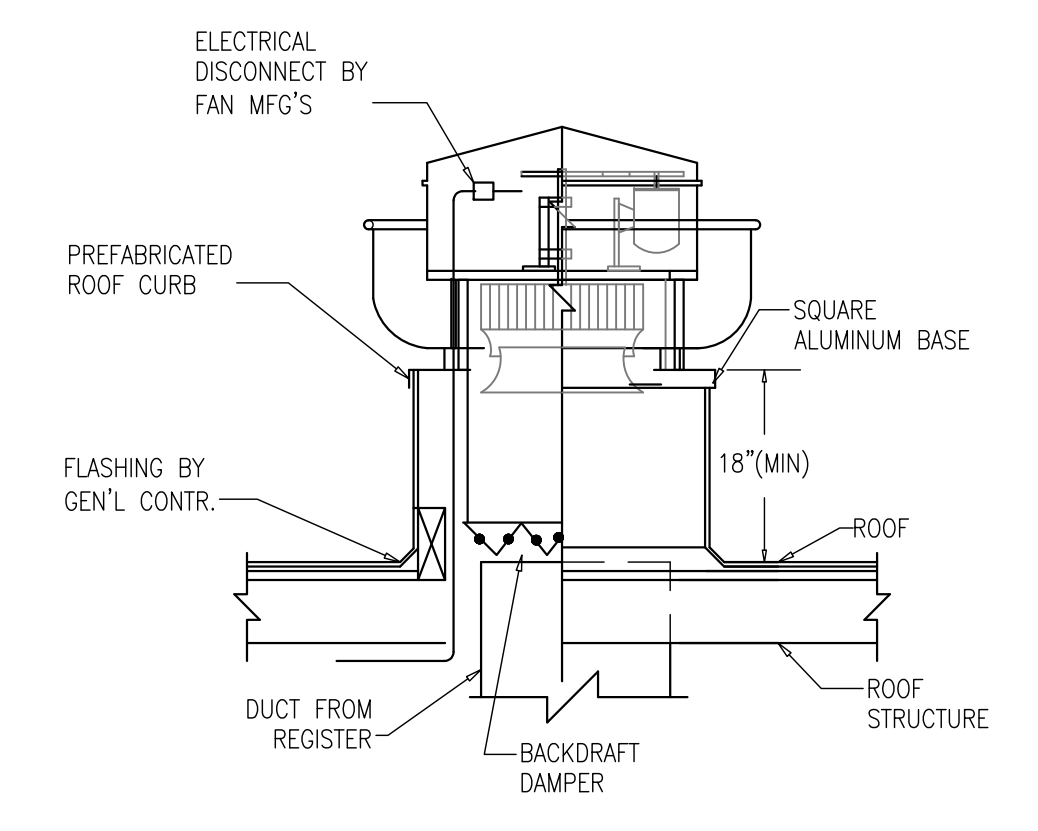
**RAIN CAPPED ROOF EXHAUST DETAIL**



**ROOFTOP UNIT DETAIL**



**OUTSIDE AIR INTAKE LOCATION DETAIL**

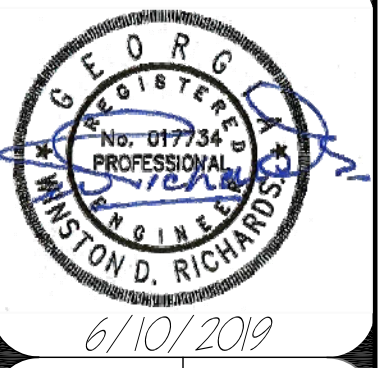


**ROOF UPBLAST EXHAUST FAN DETAIL**

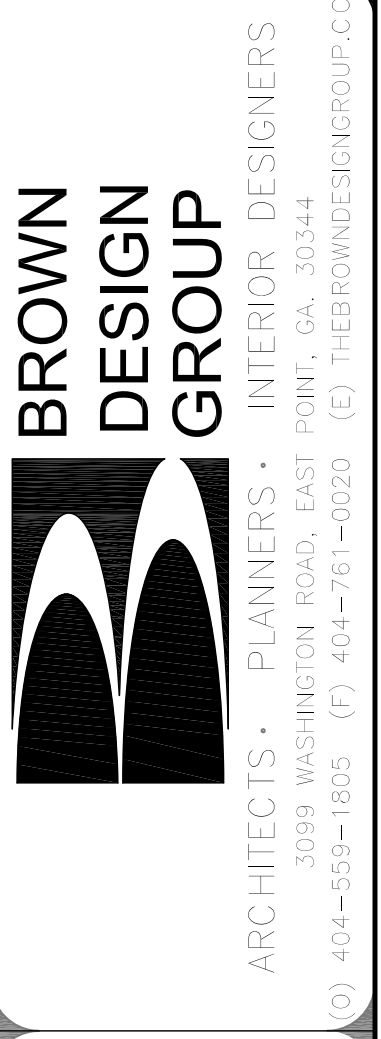
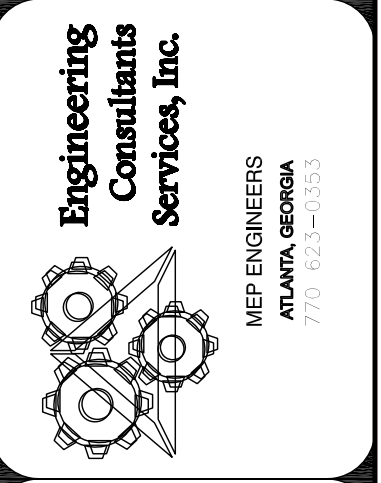
NOTE: EXHAUST FANS MUST BE BONDED WITH FULL SIZE CONDUCTOR TO THE LIGHTNING PROTECTION SYSTEM PER THE REQUIREMENTS OF UL96A STANDARD.

**REVISIONS**

NO.	DESCRIPTION	DATE



**MECHANICAL LEGEND ABBREVIATIONS  
DETAILS AND NOTES**  
**DEKALB COUNTY FIRE STATION**  
**No. 7**  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



CHECKED: WR  
 DRAWN: ECSI  
 SCALE: AS NOTED  
 DWG. DATE: 06/10/2019  
 PRINT DATE: -  
 JOB NO.: ECSI-1903

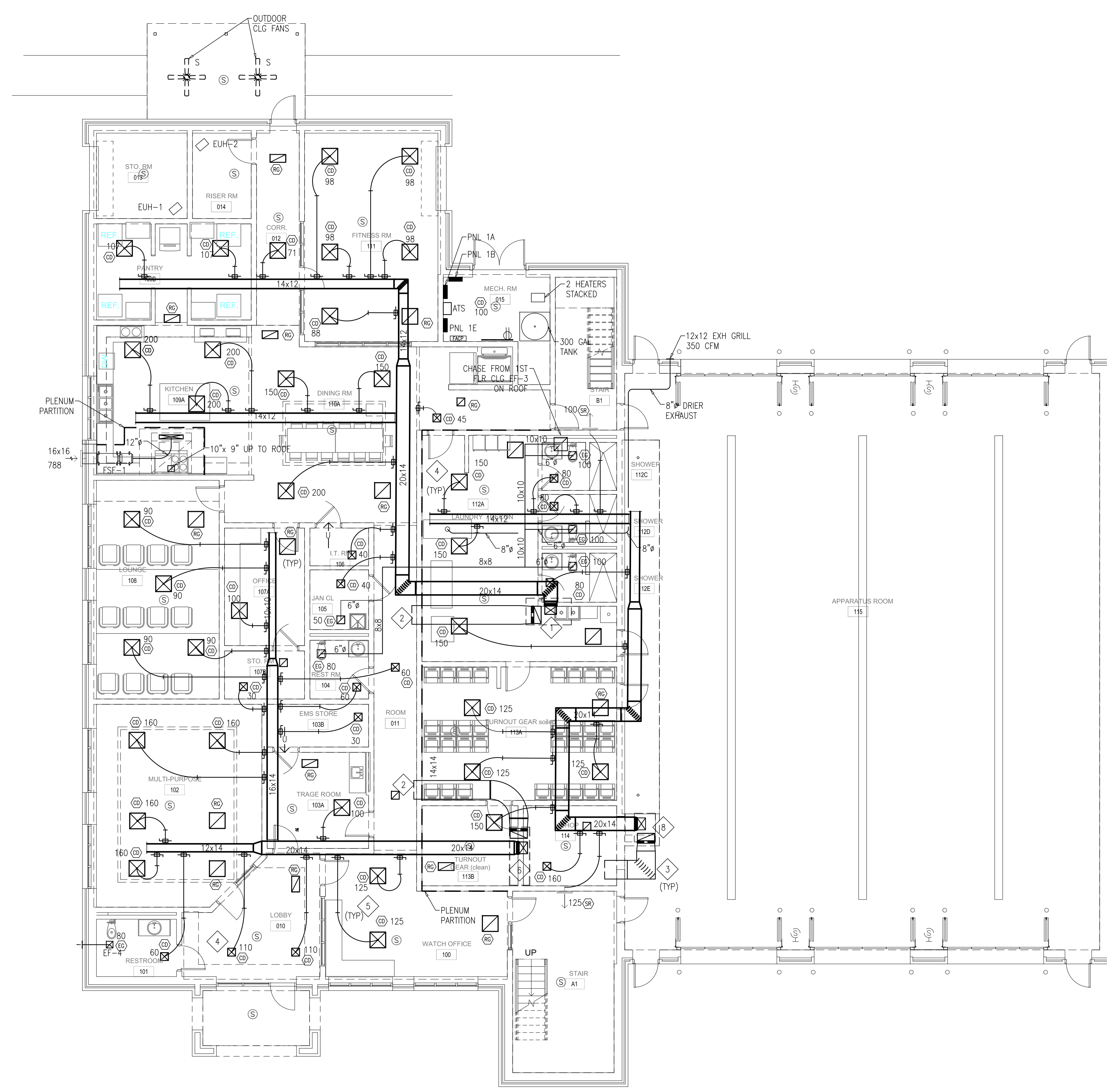
SHEET  
**M0.1**

FOR CONSTRUCTION









1 FIRST FLOOR MECHANICAL HVAC PLAN  
 M1.1 SCALE 1/8" = 1'-0"

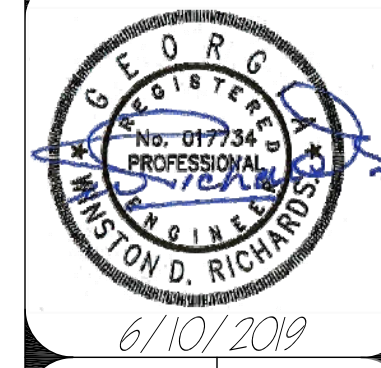
**SHEET NOTES**

- COORDINATE WITH STRUCTURAL DRAWINGS FOR EXACT LOCATION OF ROOFTOP AIR CONDITIONING UNITS AND OTHER ROOF OPENINGS.
- PROVIDE SUPPORT FOR ALL ROOF MOUNTED EQUIPMENT AS REQUIRED AND ANCHOR SUPPORT TO THE ROOF STRUCTURE.
- REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLASHING FOR ROOF PENETRATION AND ROOF CURBS.
- ANY AND ALL MATERIALS USED WITHIN THE RETURN AIR PLENUM SHALL MEET THE REQUIREMENTS AND APPLICABLE PARAGRAPHS OF IMC SECTION 601, IMC SECTION 602 AND IMC SECTION 603.
- CHANGES TO DUCT SIZES DUE TO FIELD CONDITIONS SHALL NOT REDUCE THE CROSS SECTIONAL AREA OF THE DUCT. ANY CHANGES REQUIRING A DIFFERENCE IN CROSS SECTIONAL AREA SHALL BE REFERRED TO THE ENGINEER FOR APPROVAL.
- REFER TO MECHANICAL SCHEDULE FOR OUTSIDE AIR REQUIREMENTS FOR EACH ROOF TOP UNIT AND ADJUST ACCORDINGLY.
- FIELD COORDINATE LOCATION OF CEILING DIFFUSERS, SUPPLY REGISTERS AND AIR RETURN GRILLS WITH THE ARCHITECTURAL DRAWINGS.
- PROVIDE DUCT SMOKE DETECTORS IN ROOFTOP AIR HANDLING UNITS TO SHUT DOWN RTU WHEN ACTIVATED AS REQUIRED BY THE CODE. PROVIDE SMOKE DETECTORS IN SUPPLY AIR STREAM OF UNITS >2000 CFM AND <15000 CFM FOR UNITS >15,000 CFM. PROVIDE A DUCT SMOKE DETECTOR IN THE SUPPLY AND RETURN AIR DUCTS. COORDINATE CONNECTION TO FIRE ALARM SYSTEM WITH ELECTRICAL CONTRACTOR.
- SEE PLUMBING DRAWINGS FOR GAS PIPING.

**KEY NOTES**

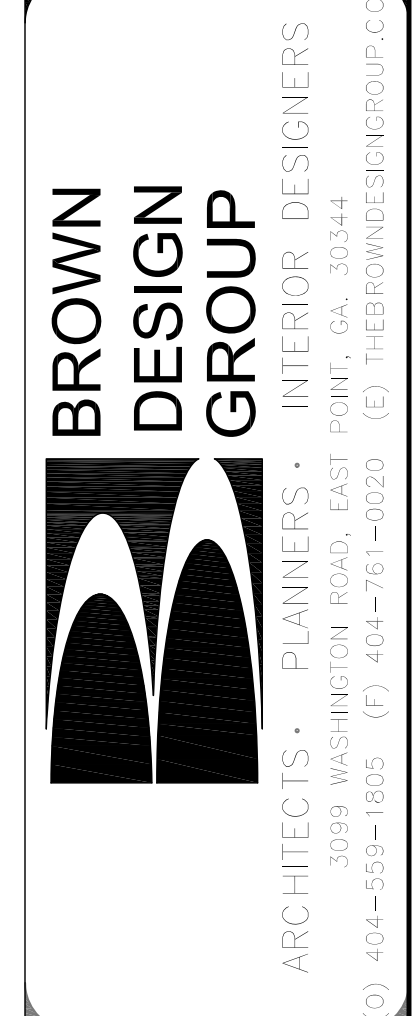
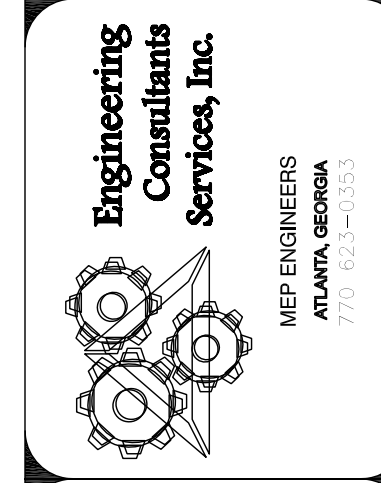
- HVAC DUCT IN CHASE UP TO RTU-1 ON THE ROOF. COORDINATE WITH ARCHITECTURE FOR RATING OF CHASE WALLS.
- RETRUN DUCT EXTENSION IN PLENUM
- PROVIDE TURNING VANES IN ALL RECTANGULAR DUCT FITTINGS
- PROVIDE SUPPLY DIFFUSERS WITH VOLUME DAMPERS FOR AREAS WITH GYP BOARD CEILING AND WHERE THE SPIN-IN FITTING FOR SAID DIFFUSER IS NOT ACCESSIBLE FROM THE LAY IN CEILING FOR AIR BALANCING AND ADJUSTMENT (TYPICAL)
- ALL EQUIPMENT USED IN THE CEILING PLENUM TO FASTEN FLEXIBLE DUCTS AND THE LIKE SHALL MEET FLAME SPREAD RATING AS SPECIFIED IN DIVISION 15.
- HVAC DUCT IN CHASE UP TO RTU-2 ON THE ROOF. COORDINATE WITH ARCHITECTURE FOR RATING OF CHASE WALLS
- PROVIDE CLEAN OUT IN GREASE EXHAUST DUCT IN FRONT OF EACH RIGHT ANGLE TURN AND REMOVABLE GRILL AT DISCHARGE END FOR CLEAN OUT.
- HVAC DUCT IN CHASE UP TO RTU-5 ON THE ROOF. COORDINATE WITH ARCHITECTURE FOR RATING OF CHASE WALLS

NO.	DESCRIPTION	DATE



6/10/2019

**FIRST FLOOR MECHANICAL HVAC PLAN AND NOTES**  
**DEKALB COUNTY FIRE STATION**  
**No. 7**  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

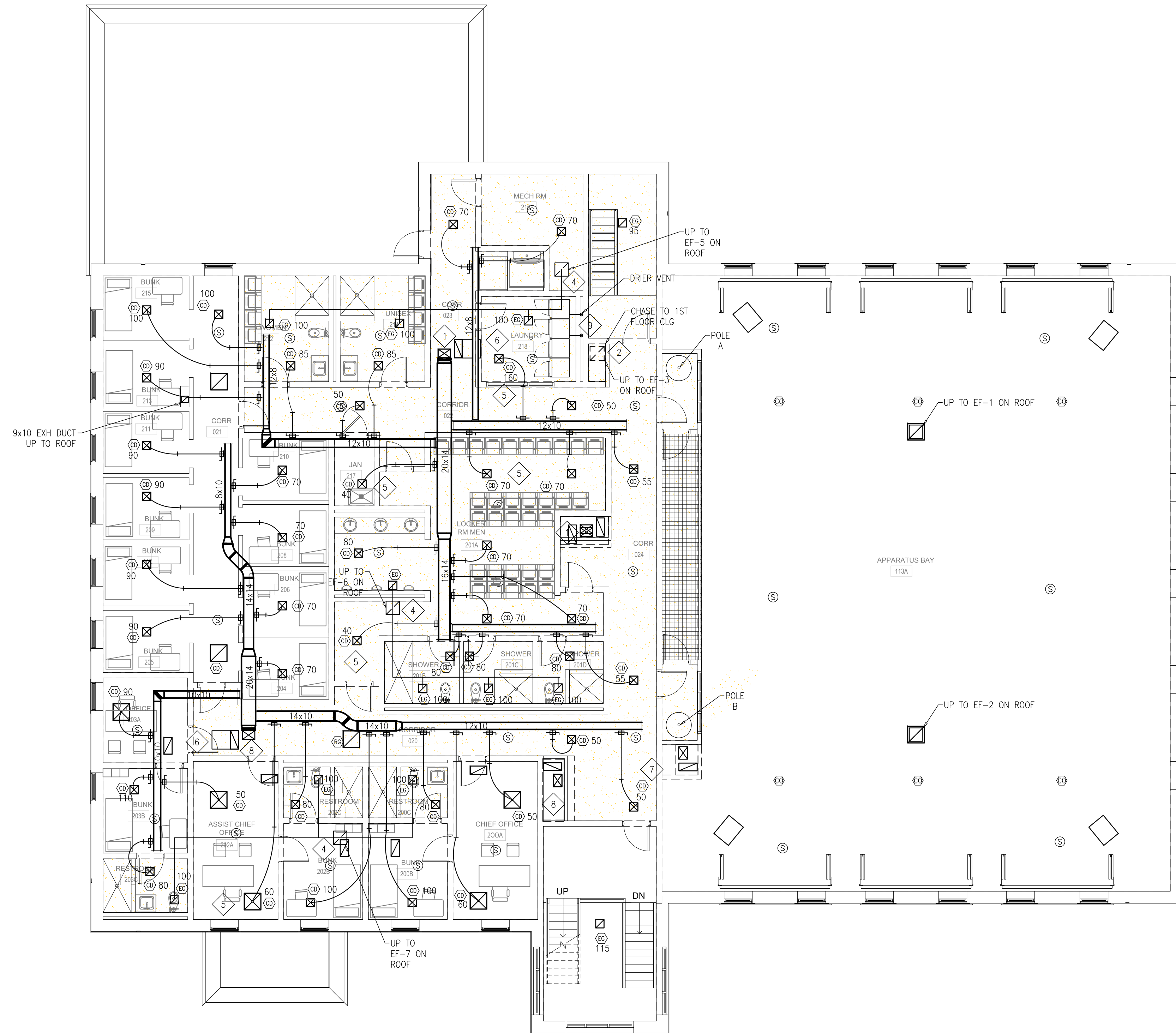


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DRAWN: ECSI
SCALE: AS NOTED
DWG. DATE: 06/10/2019
PRINT DATE: -
JOB NO: ECSI-1903

SHEET  
**M1.1**

FOR CONSTRUCTION





1 SECOND FLOOR MECHANICAL HVAC PLAN  
M2.1 SCALE 1/8" = 1'-0"

**SHEET NOTES**

- COORDINATE WITH STRUCTURAL DRAWINGS FOR EXACT LOCATION OF ROOFTOP AIR CONDITIONING UNITS AND OTHER ROOF OPENINGS.
- PROVIDE SUPPORT FOR ALL ROOF MOUNTED EQUIPMENT AS REQUIRED AND ANCHOR SUPPORT TO THE ROOF STRUCTURE.
- REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS ON FLASHING FOR ROOF PENETRATION AND ROOF CURBS.
- ANY AND ALL MATERIALS USED WITHIN THE RETURN AIR PLENUM SHALL MEET THE REQUIREMENTS AND APPLICABLE PARAGRAPHS OF IMC SECTION 601, IMC SECTION 602 AND IMC SECTION 603.
- CHANGES TO DUCT SIZES DUE TO FIELD CONDITIONS SHALL NOT REDUCE THE CROSS SECTIONAL AREA OF THE DUCT. ANY CHANGES REQUIRING A DIFFERENCE IN CROSS SECTIONAL AREA SHALL BE REFERRED TO THE ENGINEER FOR APPROVAL.
- REFER TO MECHANICAL SCHEDULE FOR OUTSIDE AIR REQUIREMENTS FOR EACH ROOF TOP UNIT AND ADJUST ACCORDINGLY.
- FIELD COORDINATE LOCATION OF CEILING DIFFUSERS, SUPPLY REGISTERS AND AIR RETURN GRILLS WITH THE ARCHITECTURAL DRAWINGS.
- PROVIDE DUCT SMOKE DETECTORS IN ROOFTOP AIR HANDLING UNITS TO SHUT DOWN RTU WHEN ACTIVATED AS REQUIRED

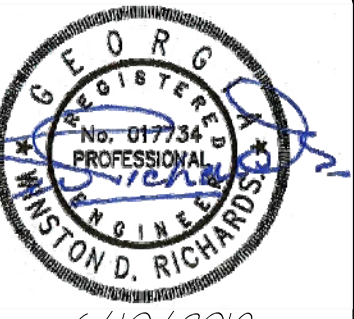
BY THE CODE. PROVIDE SMOKE DETECTORS IN SUPPLY AIR STREAM OF UNITS >2000 CFM AND <15000 CFM. FOR UNITS >15,000 CFM, PROVIDE A DUCT SMOKE DETECTOR IN THE SUPPLY AND RETURN AIR DUCTS. COORDINATE CONNECTION TO FIRE ALARM SYSTEM WITH ELECTRICAL CONTRACTOR.  
9. SEE PLUMBING DRAWINGS FOR GAS PIPING.

**KEY NOTES**

- CHASE FROM LOWER FLOOR CEILING TO RTU-3 ON THE ROOF. COORDINATE WITH STRUCTURAL DRAWINGS FOR UNIT SUPPORT.
- CHASE FROM LOWER FLOOR CEILING UP TO EXHAUST FAN ON ROOF SHALL TERMINATE AT ROOF STRUCTURE IN COMPLETE ISOLATION FROM ROOF PLENUM
- PROVIDE TURNING VANES IN ALL RECTANGULAR DUCT FITTINGS.
- UP TO EXHAUST FAN ON ROOF
- PROVIDE SUPPLY DIFFUSERS WITH VOLUME DAMPERS FOR AREAS WITH GYP BOARD CEILING AND WHERE THE SPIN-IN FITTING FOR SAID DIFFUSER IS NOT ACCESSIBLE FROM THE LAY IN CEILING
- RTU RETURN DUCT EXTENSION IN CEILING PLENUM
- CHASE FROM LOWER FLOOR CEILING TO RTU-5 ON THE ROOF. COORDINATE WITH ARCHITECTURAL DRAWINGS FOR CHASE WALL DETAILS AND WITH STRUCTURAL DRAWINGS FOR UNIT SUPPORT
- CHASE FROM LOWER FLOOR CEILING TO RTU-4 ON THE ROOF. COORDINATE WITH STRUCTURAL DRAWINGS FOR UNIT SUPPORT.
- PROVIDE 4" Ø METAL DUCT VENT UP TO ROOF WITH HORIZONTAL DISCHARGE FOR WHIRLPOOL DRIERS (MIN 2 90° BENDS. MAXIMUM EQUIVALENT LENGTH OF VENT DUCT MUST COMPLY WITH THE DRIER INSTALLATION REQUIREMENTS. LONG VENT DRIER MAY BE REQUIRED TO MEET THE VENT REQUIREMENTS.

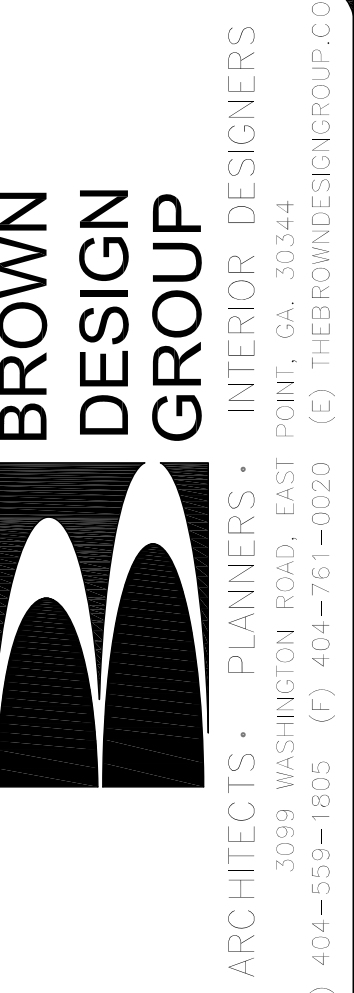
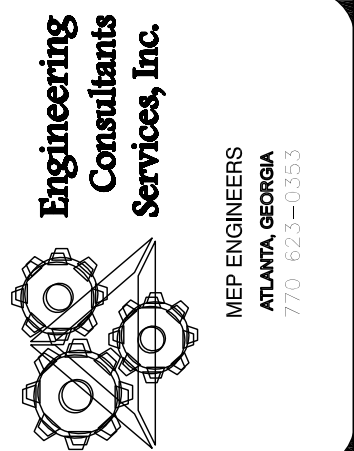
REVISIONS

NO. DESCRIPTION DATE

6/10/2019

SECOND FLOOR MECHANICAL HVAC PLAN AND NOTES  
DEKALB COUNTY FIRE STATION No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

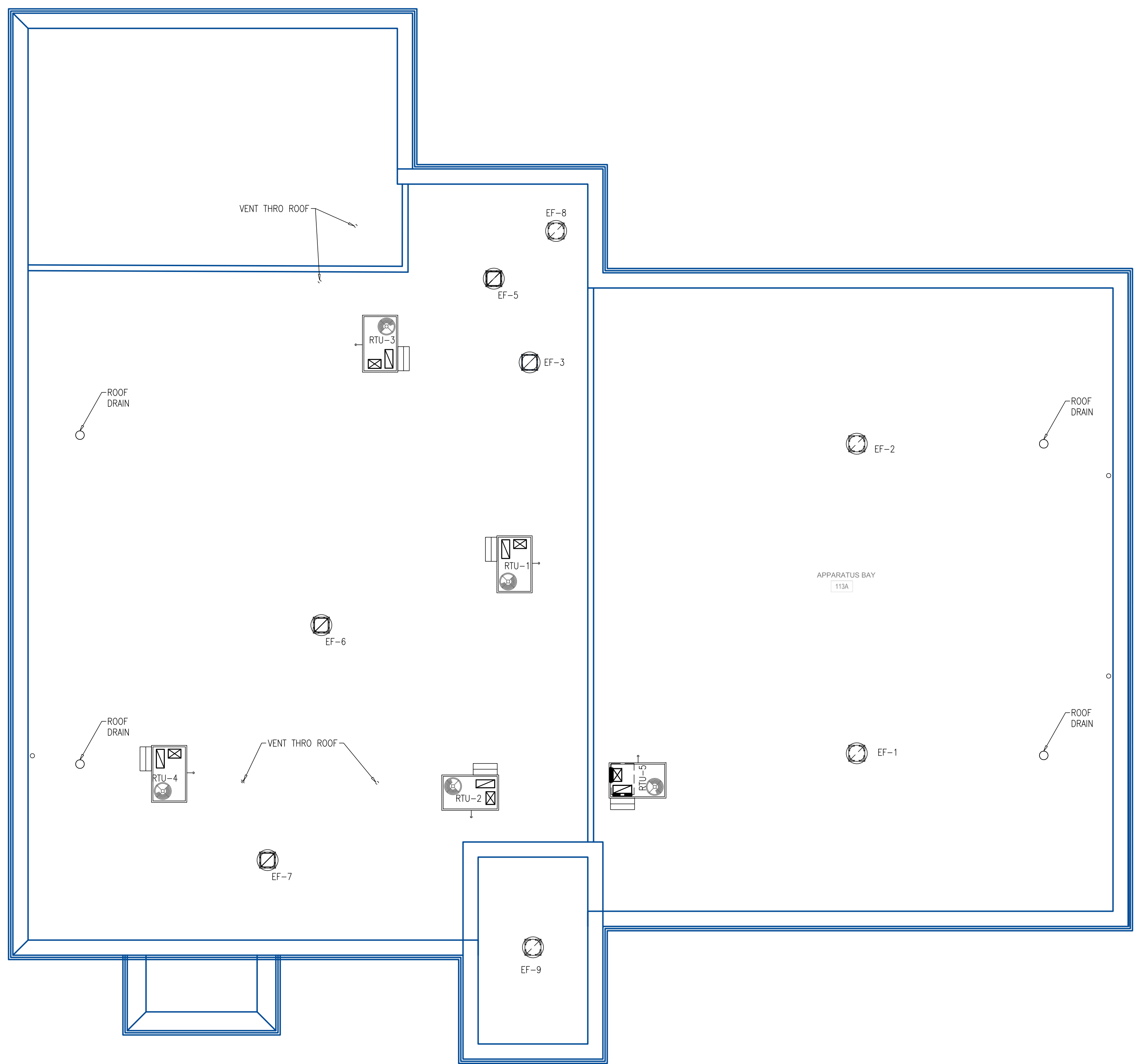


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JOB NO: ECSI-1903

SHEET  
M2.1

FOR CONSTRUCTION



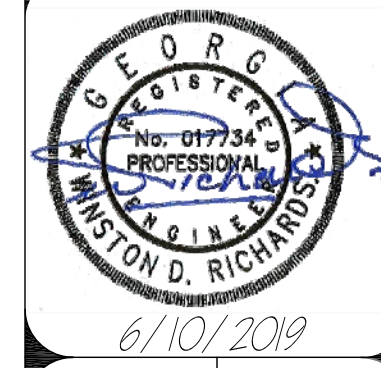


1  
M3.1 SECOND FLOOR MECHANICAL HVAC ROOF PLAN  
SCALE 1/8" = 1'-0"

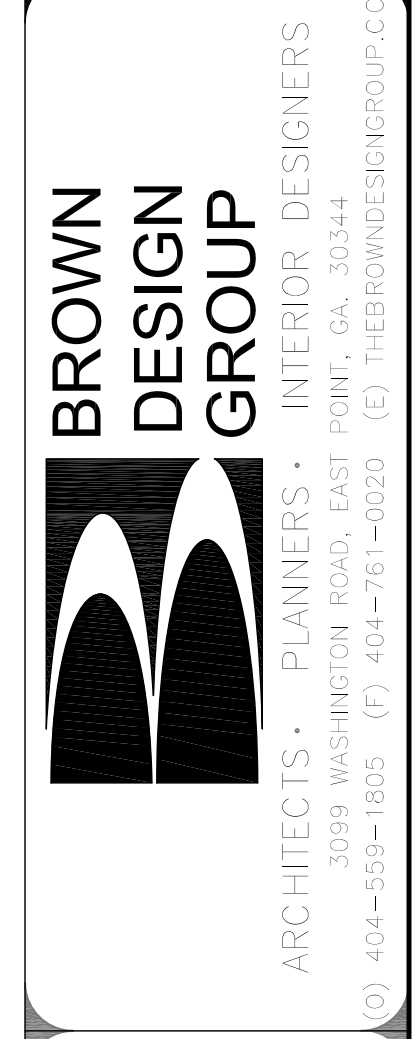
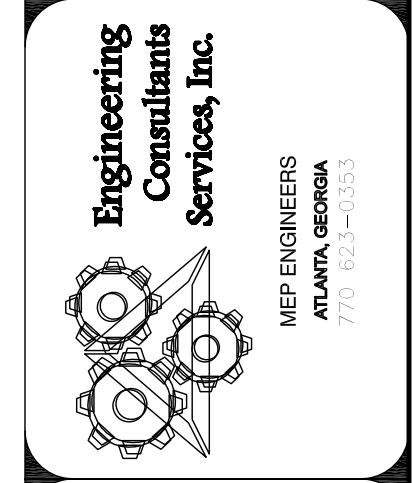
**SHEET NOTES**

1. EXISTING ROOF TOP UNITS TO REMAIN. COORDINATE WITH THE ELECTRICAL CONTRACTOR.
2. COORDINATE WITH STRUCTURAL PLANS FOR EXACT LOCATION OF ROOF TOP UNITS.
3. MAINTAIN CODE REQUIRED CLEARANCES FROM SANITARY VENTS AND EXHAUST AIR STREAMS AS REQUIRED BY THE CODE. SEE DETAIL M/H1.1
4. COORDINATE THE INSTALLATION OF ROOF CURBS WITH THE ROOFING CONTRACTOR. ALL ROOF CURBS SHALL BE ATTACHED TO THE ROOF STRUCTURE

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MECHANICAL HVAC ROOF PLAN AND NOTES  
**DEKALB COUNTY FIRE STATION**  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



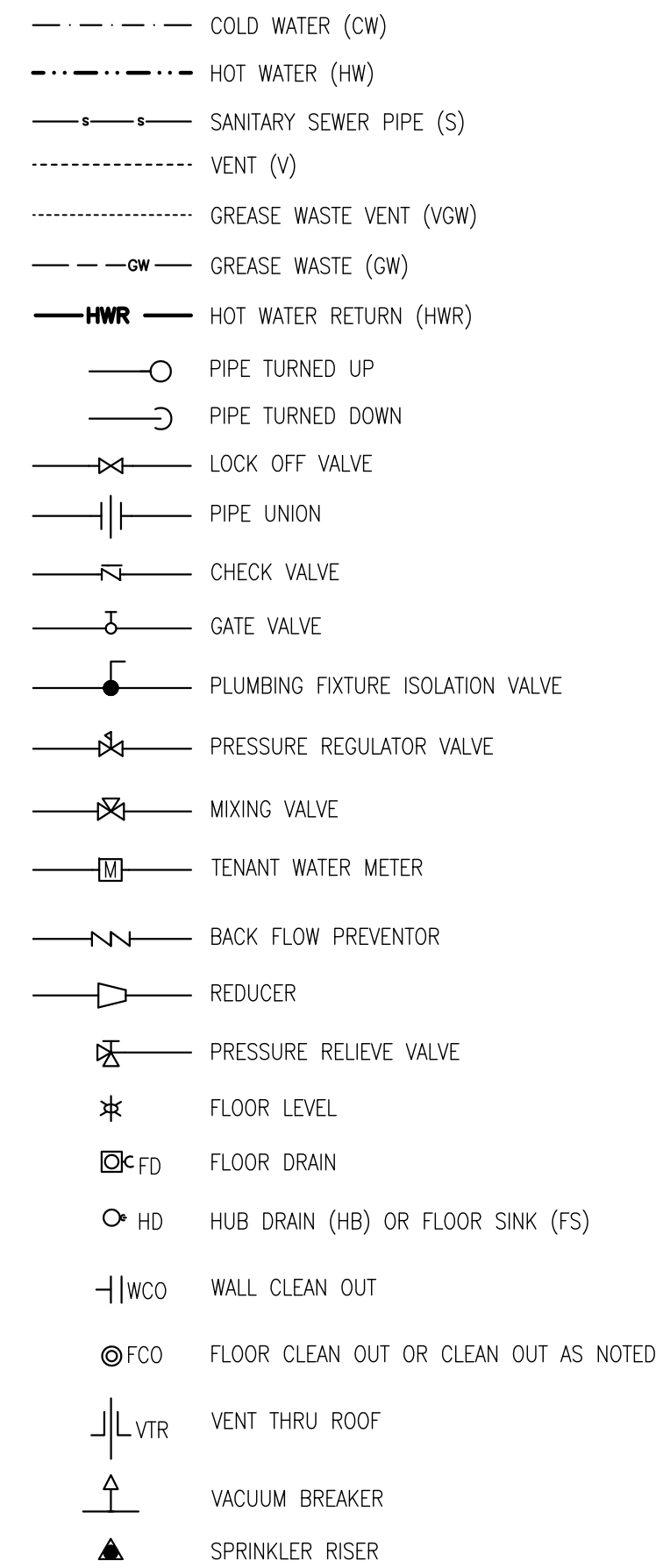
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**M3.1**



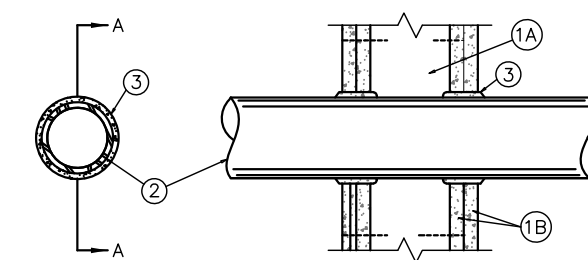
**PLUMBING LEGEND**



**GENERAL NOTES:**

- CONTRACTOR SHALL PROVIDE ALL ITEMS OF MATERIAL, LABOR AND EQUIPMENT REQUIRED FOR COMPLETE INSTALLATION OF PLUMBING WORK.
- ALL PLUMBING WORK SHALL BE INSTALLED IN ACCORDANCE WITH THE 2000 INTERNATIONAL BUILDING CODES AND LOCAL CODE AUTHORITY HAVING JURISDICTION.
- COORDINATE ALL WORK WITH ARCHITECTURAL, STRUCTURAL, MECHANICAL AND ELECTRICAL TRADES. PIPE ROUTING SHOWN IS DIAGRAMMATIC. PROVIDE ALL OFF SETS, ETC./ TO AVOID INTERFERENCES WITH EQUIPMENT, PIPING, DUCTWORK, LIGHTS, CONDUITS, ETC.
- COORDINATE ALL STRUCTURAL PENETRATIONS WITH GENERAL CONTRACTOR AND STRUCTURAL DRAWINGS. SET SLEEVES IN FLOORS AND WALLS AND ATTACHMENTS FOR HANGERS AS CONSTRUCTION PROGRESSES.
- PROVIDE 12"x12" ACCESS PANELS FOR WATER PRESSURE REGULATORS, TRAP PRIMERS AND ALL VALVES LOCATED ABOVE NON- ACCESSIBLE CEILING AND INSIDE PIPE CHASES. EXACT LOCATION MUST BE COORDINATED WITH ARCHITECTURAL DRAWINGS AND APPROVED BY ARCHITECT PRIOR TO INSTALLATION
- ALL DRAINAGE PIPING SHALL BE CONCEALED INSIDE WALLS AND PIPE CHASES OR ABOVE CEILING UNLESS OTHERWISE NOTED. HOLD ALL PIPING ABOVE CEILING AS HIGH AS POSSIBLE.
- ALL DRAINAGE PIPING SHALL SLOPE 1/8" PER FOOT UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL MAKE FINAL CONNECTION TO ALL DOMESTIC WATER, SANITARY SEWER AS REQUIRED.
- COORDINATE ALL UNDERGROUND PIPING WITH GRADE BEAMS, WALL FOOTINGS AND OTHER STRUCTURAL CONDITIONS.
- REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR LOCATION OF ALL PLUMBING FIXTURES.
- COORDINATE FLOOR AND HUB DRAIN LOCATION FOR EQUIPMENT WITH MECHANICAL CONTRACTOR. CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO ALL EQUIPMENT INDICATED ON DRAWINGS. FINAL CONNECTIONS SHALL INCLUDE ANY ADAPTERS, NIPPLES, SHUT OFF VALVES, PRV'S, SHOCK ABSORBERS, BACK FLOW PREVENTION DEVICES, REGULATORS, ETC..
- PROVIDE TRAP PRIMERS ON ALL FLOOR DRAINS AS REQUIRED BY THE CODE.
- FIELD ROUTE 1/2" CW LINE TO FD FROM NEAREST CW PIPE AND PROVIDE TRAP PRIMER AND SHUT OFF VALVE.
- CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS, METERS, TAPS, INSPECTIONS, APPROVALS, ETC. REQUIRED FOR THE PLUMBING SYSTEMS.
- ALL GRAVITY LINES SHALL BE INSTALLED WITH INVERTS OF 1'-6" BELOW FINISHED FLOOR AT BEGINNING OF RUN.
- GAS FLUE FOR EQUIPMENT SHALL BE TYPE "B" DOUBLE WALL WITH VENTILATED THIMBLE THRU ROOF, FLASHING AND RAIN CAP. MAINTAIN MINIMUM CODE REQUIRED CLEARANCES ALONG ENTIRE LENGTH.
- INSTALL ALL EQUIPMENT AND FIXTURES PER MRF'S RECOMMENDATIONS
- ADAPTERS USED FOR ANY CONNECTION OF COPPER TO STEEL SHALL BE DIELECTRIC TYPE.
- MINIMUM WATER PIPING SYSTEM INSULATION SHALL BE 1" ARMSTRONG ARMAFLEX II.
- DRAIN LINE, P-TRAP AND SUPPLIES FOR HANDICAP LAV'S SHALL BE INSULATED WITH HANDI-GUARD.
- THE ENTIRE DRAINAGE SYSTEM, WHEN ROUGHED IN, SHALL BE TESTED WITH A 10 FOOT HEAD OF WATER FOR 15 MINUTES, WITHOUT LOSS OF WATER.
- THE ENTIRE WATER SYSTEM SHALL BE TESTED AND PROVEN TIGHT UNDER A WATER PRESSURE OF 50% MORE THAN THE MAX. PRESSURE OF SUCH SYSTEM AND IN NO CASE LESS THAN 100 PSI.
- GAS PIPING SHALL BE PROVEN TIGHT UNDER 100 PSI WITHOUT DROP IN PRESSURE.
- INCLUDE ALL FITTINGS AND ACCESSORIES REQUIRED TO PROVIDE A COMPLETE FIXTURE INSTALLATION.
- THE ENTIRE WATER SYSTEMS SHALL BE DISINFECTED WITH CHLORINE FOR 8 HOURS AND FLUSHED CLEAN PRIOR TO CONNECTION TO MAIN.
- CONTRACTOR SHALL PERFORM ALL EXCAVATION WORK REQUIRED FOR PLUMBING WORK.

F RATINGS - 1, 2, 3 AND 4 HR (SEE ITEMS 2 AND 3)  
 T RATINGS - 0, 1, 2, 3 AND 4 HR (SEE ITEM 3)  
 L RATING AT AMBIENT - LESS THAN 1 cfm/sq ft  
 L RATING AT 400 F - LESS THAN 1 cfm/sq ft



**METAL PIPE PENETRATION THRU RATED WALL UL SYSTEM # W-L-1001**

- N.T.S.
- WALL ASSEMBLY - THE 1, 2, 3 OR 4 HR FIRE-RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER DESCRIBED IN THE INDIVIDUAL U300 OR U400 SERIES WALL OR PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:  
 A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS (MAX 2 H FIRE RATED ASSEMBLIES) OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. LUMBER SPACED 16 IN. OC WITH NOM 2 BY 4 IN. LUMBER END PLATES AND CROSS BRACES. STEEL STUDS TO BE MIN 3-5/8" WIDE BY 1-3/8" DEEP CHANNELS SPACED MAX 24 IN. OC.  
 B. WALLBOARD, GYPSUM\* - NOM 1/2" OR 5/8" THICK, 4' WIDE WITH SQUARE OR TAPERED EDGES. THE GYPSUM WALLBOARD TYPE, THICKNESS, NUMBER OF LAYERS, FASTENER TYPE AND SHEET ORIENTATION SHALL BE AS SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES DESIGN IN THE UL FIRE RESISTANCE DIRECTORY. MAX DIAMETER OF OPENING IS 13-1/2 IN.

- PIPE OR CONDUIT - NOM 12" DIAMETER (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE, NOM 12" DIAMETER (OR SMALLER) SERVICE WEIGHT (OR HEAVIER) CAST IRON SOIL PIPE, NOM 12" DIAMETER (OR SMALLER) CLASS 50 (OR HEAVIER) DUCTILE IRON PRESSURE PIPE, NOM 6" DIAMETER (OR SMALLER) STEEL CONDUIT, NOM 4" DIAMETER (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING, NOM 6" DIAMETER (OR SMALLER) TYPE L (OR HEAVIER) COPPER TUBING OR NOM 1" DIAMETER (OR SMALLER) FLEXIBLE STEEL CONDUIT. WHEN COPPER PIPE IS USED, MAX F RATING OF FIRE-STOP SYSTEM (ITEM 3) IS 2 H. STEEL PIPES OR CONDUITS LARGER THAN NOM 4" DIAMETER MAY ONLY BE USED IN WALLS CONSTRUCTED USING STEEL CHANNEL STUDS. A MAX OF ONE PIPE OR CONDUIT IS PERMITTED IN THE FIRE-STOP SYSTEM. PIPE OR CONDUIT TO BE INSTALLED NEAR CENTER OF STUD CAVITY WIDTH AND TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY.
- FILL, VOID OR CAVITY MATERIAL\* - CAULK - CAULK FILL MATERIAL INSTALLED TO COMPLETELY FILL ANNULAR SPACE BETWEEN PIPE OR CONDUIT AND GYPSUM WALLBOARD AND WITH A MIN 1/4" DIAMETER BEAD OF CAULK APPLIED TO PERIMETER OF PIPE OR CONDUIT AT ITS EGRESS FROM THE WALL. CAULK INSTALLED SYMMETRICALLY ON BOTH SIDES OF THE WALL ASSEMBLY. THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE HOURLY FIRE RATING TABLE. THE HOURLY T RATING OF THE FIRESTOP SYSTEM IS DEPENDENT UPON THE TYPE OR SIZE OF THE PIPE OR CONDUIT AND THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED, AS TABULATED BELOW:

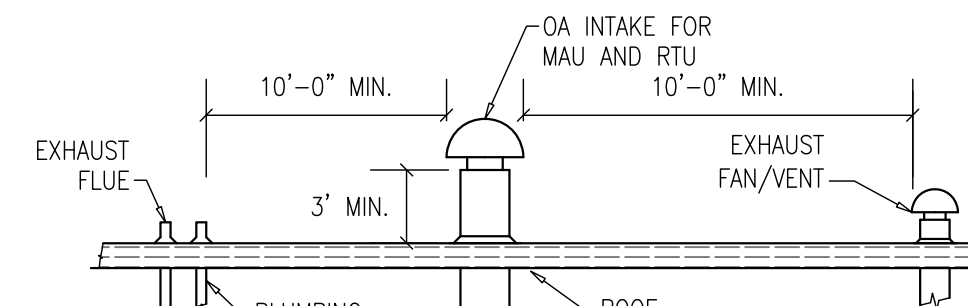
MAX PIPE OR CONDUIT DIAM. [IN.]	ANNULAR SPACE. [IN.]	F RATING. [HR.]	T RATING. [HR.]
1	0 TO 3/16	1 OR 2	0+ 1 OR 2
1	1/4 TO 1/2	3 OR 4	3 OR 4
4	0 TO 1/4	1 OR 2	0
4	0 TO 1-1/2#	1 OR 2	0
6	1/4 TO 1/2	3 OR 4	0
12	3/16 TO 3/8	1 OR 2	0

\*WHEN COPPER PIPE IS USED, T RATING IS 0 H.  
 #0 TO 1-1/2" ANNULAR SPACE APPLIES ONLY WHEN TYPE CP-25 WB+ CAULK IS USED AND ONLY WHEN THE MIN THICKNESS OF THE GYPSUM WALLBOARD IS 5/8" FOR 1 HR. RATED WALLS AND 1-1/4" FOR 2 HR. RATED WALLS.

Minnesota Mining & Mfg. Co. - CP 25WB+  
 \*BEARING THE UL CLASSIFICATION MARKING

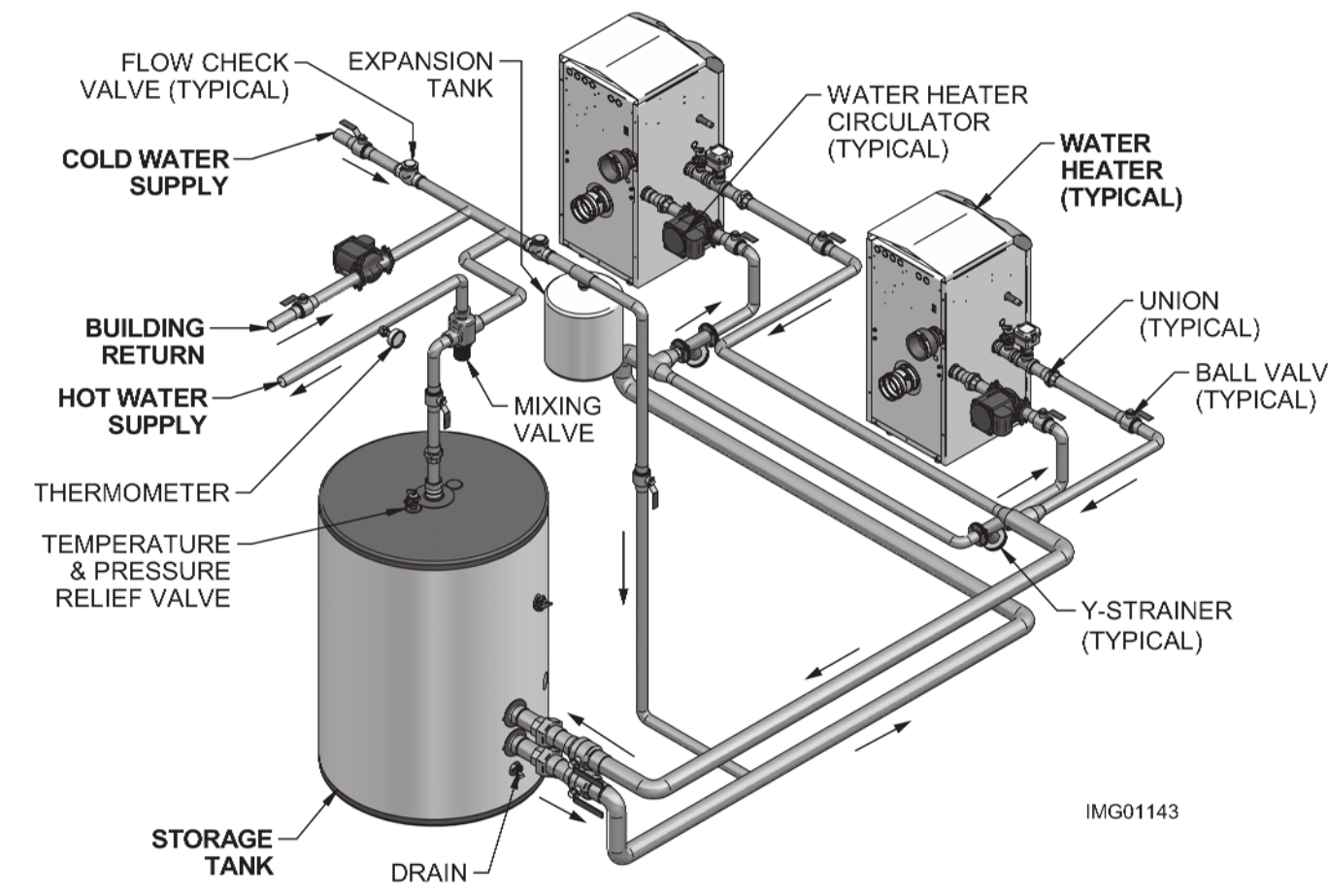
**RATED WALL PENETRATION - METAL PIPE**

P.O.1 NTS



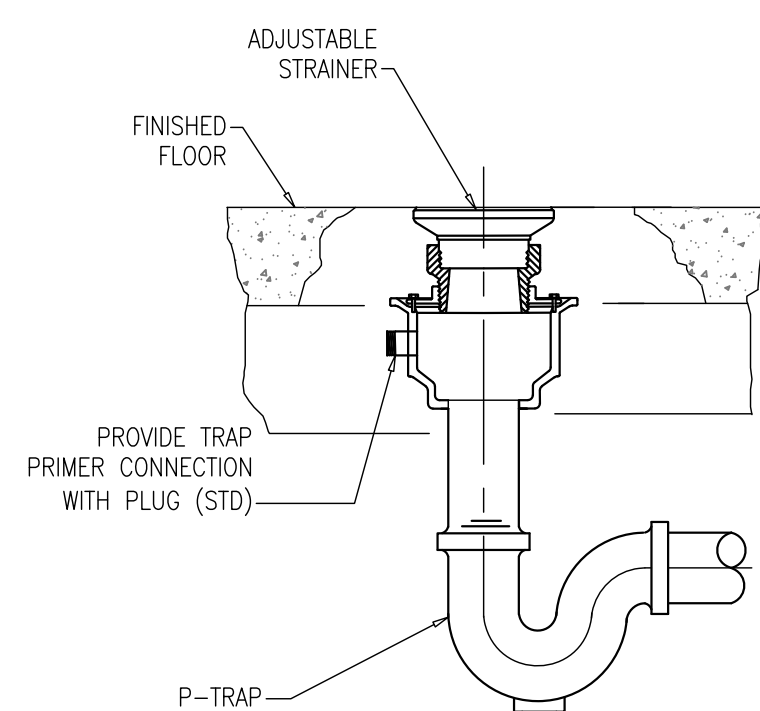
**OUTSIDE AIR INTAKE LOCATION DETAIL**

P.O.1 NTS



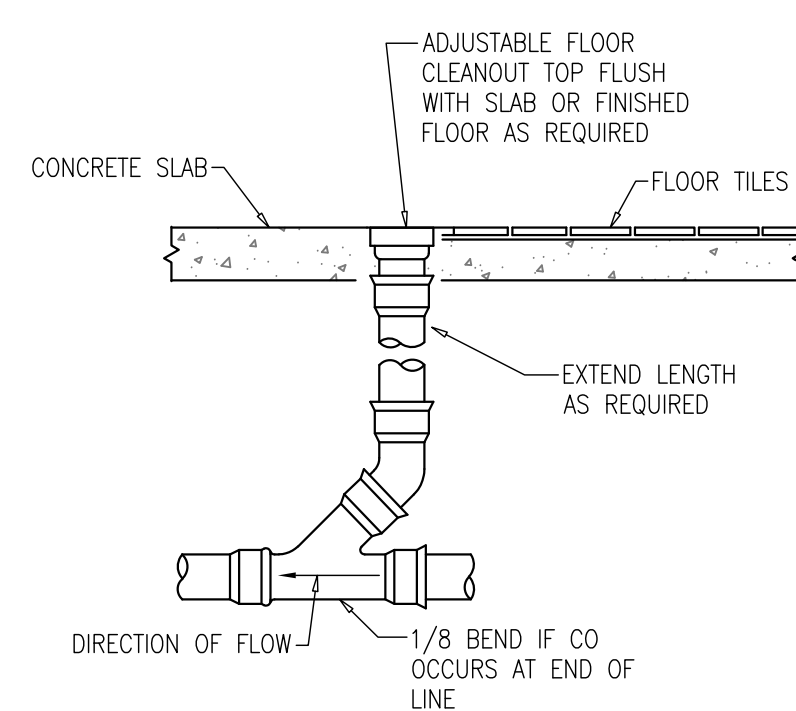
**DUAL HEATER SCHEMATIC PIPING DIAGRAM**

P.O.1 SCALE 1/8" = 1'-0"



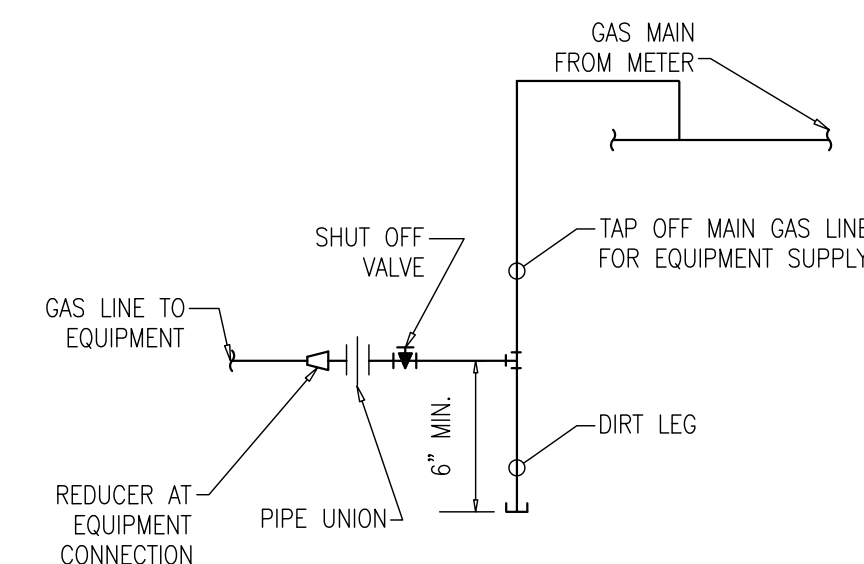
**FLOOR DRAIN FOR GREASE WASTE INSTALLATION DETAIL**

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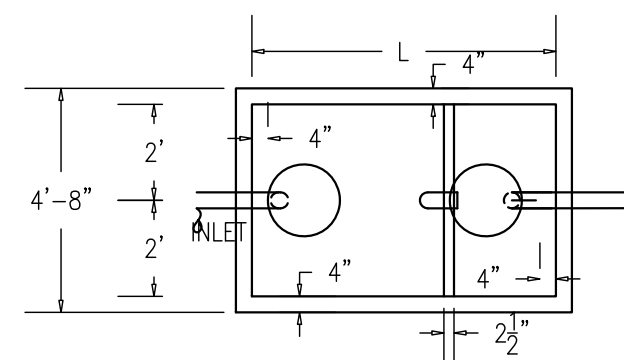
**INTERIOR FLOOR CLEAN OUT DETAIL**

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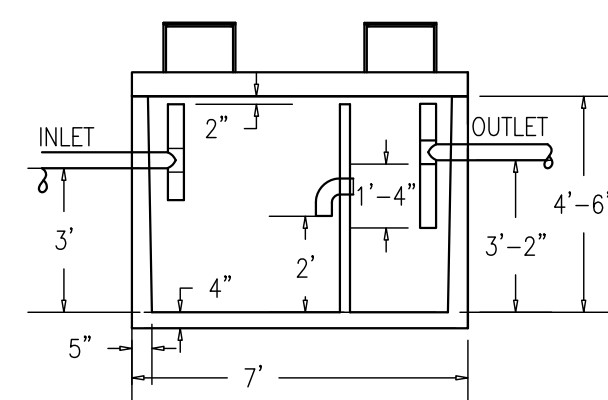


**EQUIPMENT GAS PIPING CONNECTION DETAIL**

P.O.1 NTS



**TOP VIEW**

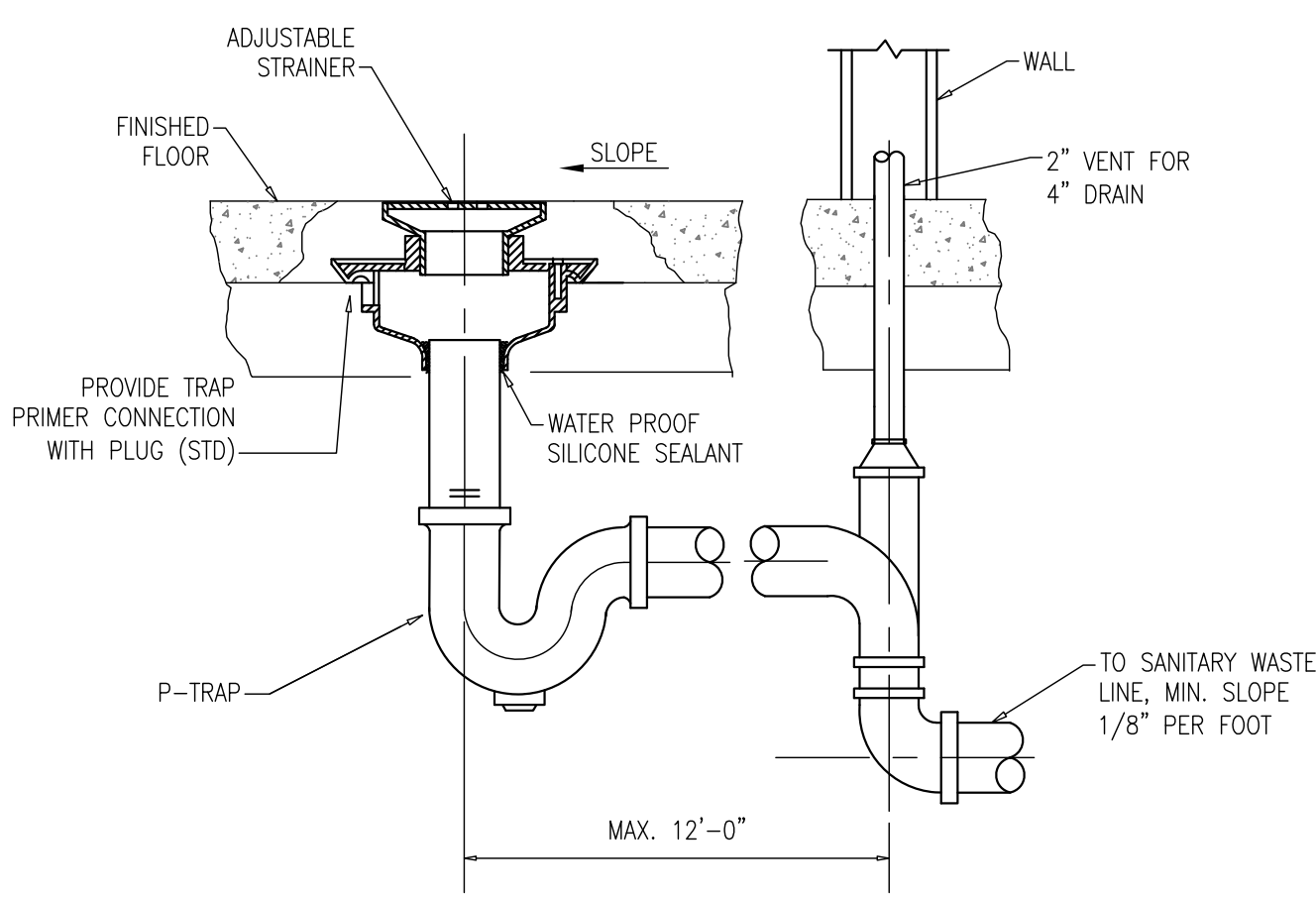


**SECTION**

- NOTES:
- MINIMUM TOP THICKNESS 6" (INCHES)
  - MINIMUM TOP THICKNESS IN PAVED AREAS 8"
  - MINIMUM GREASE TRAP CAPACITY 750 GALLONS.
  - MAXIMUM FOUR (4) COURSES OF BRICK ALLOWED TO ADJUST FRAME AND COVER
  - ADJUSTMENTS GREATER THAN ONE (1) FOOT REQUIRE FOUR (4) FOOT DIAMETER MANHOLE RISERS
  - VULCAN 57 OR APPROVED EQUAL TRAFFIC MANHOLE FRAME AND COVER.
  - GREASE TRAP INSTALLED SHALL BE APPROVED BY THE AHJ

**GREASE INTERCEPTOR DETAIL (TYP)**

P.O.1 SCALE: NONE

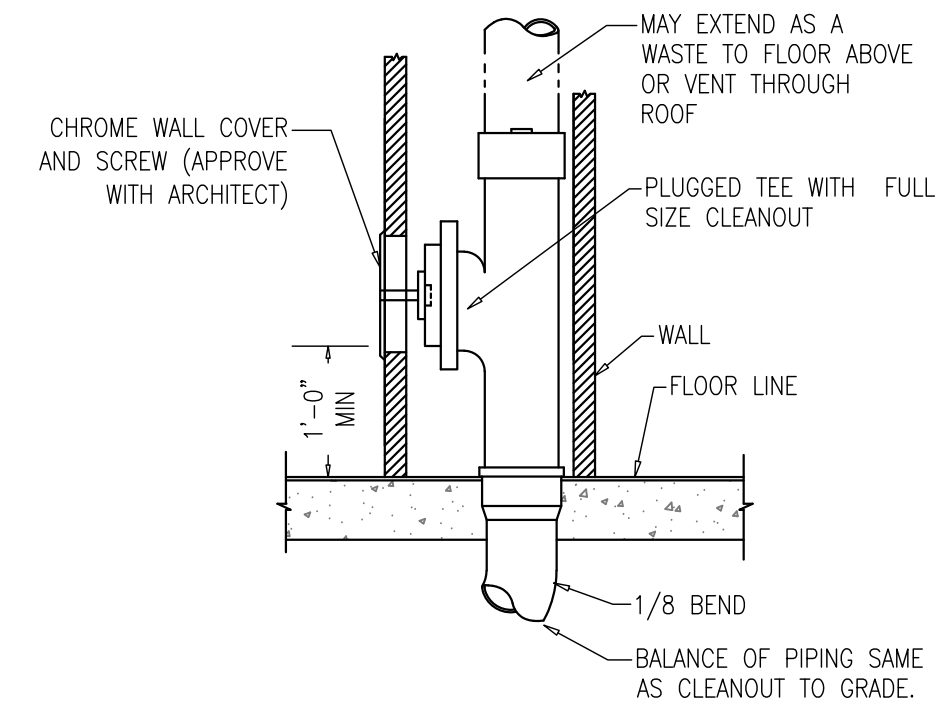


**FLOOR DRAIN INSTALLATION DETAIL**

P.O.1 NTS

**ABBREVIATIONS**

AFF ABOVE FINISHED FLOOR	LAV LAVATORY
AD ACCESS DOOR	PHI PHASE
BTH BRITISH THERMAL UNITS	PSI POUNDS PER SQUARE INCH
CO CLEAN OUT	MBH THOUSAND BTU PER HOUR
CW COLD WATER	MTD MOUNTED
CWR COLD WATER RETURN	RPBFP REDUCED PRES. BACK FLOW PREVENTER
D DRAIN / WASTE	S SANITARY SEWER
DF DRINKING FOUNTAIN	SP STAND PIPE
FCO FLOOR CLEAN OUT	SS SAFETY SHOWER
FD FLOOR DRAIN	STD STANDARD
FF FINISHED FLOOR	UFCO UNDER FLOOR CLEAN OUT
FS FLOOR SINK	U/C UNDER COUNTER
GCO GRADE CLEAN OUT	U/F UNDER FLOOR
G NATURAL GAS	V VENT
GPM GALLONS PER MINUTE	VR VENT THROUGH ROOF
GW GREASE WASTE	WC WATER CLOSET
HW HOT WATER	WH WATER HEATER
HWR HOT WATER RETURN	WCO WALL CLEAN OUT
HD HUB DRAIN	WM WATER METER
HP HORSE POWER	
IE INVERT ELEVATION	
IFG INTERNATIONAL FUEL & GAS CODE	
IPC INTERNATIONAL PLUMBING CODE	



**WALL CLEANOUT DETAIL**

P.O.1 NTS

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6/10/2019

PLUMBING LEGEND ABBREVIATIONS DETAILS AND NOTES

DEKALB COUNTY FIRE STATION No. 7

1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

Engineering Consultants Services, Inc. MFP ENGINEERS ATLANTA, GEORGIA 770 603-1033

BROWN DESIGN GROUP INTERIOR DESIGNERS

ARC-HITECTS PLANNERS ARCHITECTS 3059 WASHINGTON ROAD, EAST POINT, GA 30344 (770) 404-5599 (F) 404-761-0020 (E) THEBROWN@BROWNDESIGNGROUP.COM

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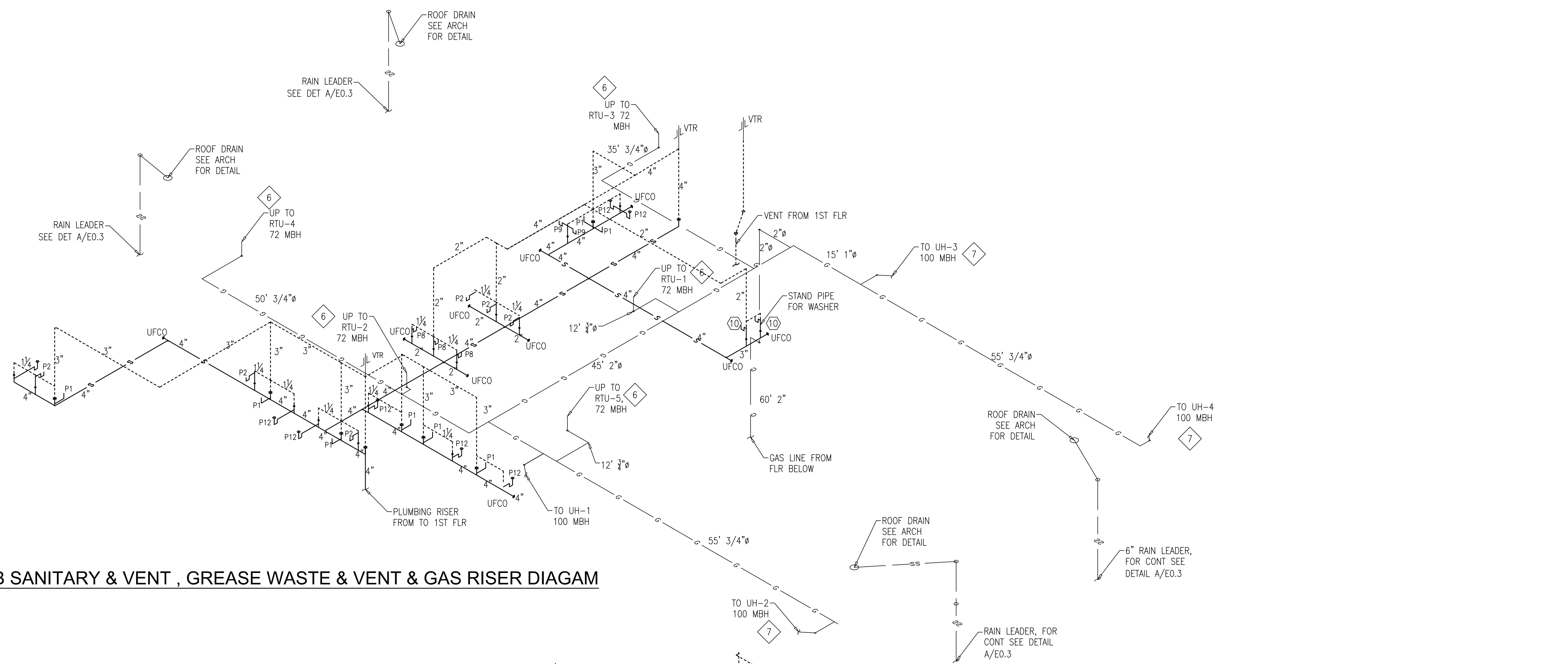
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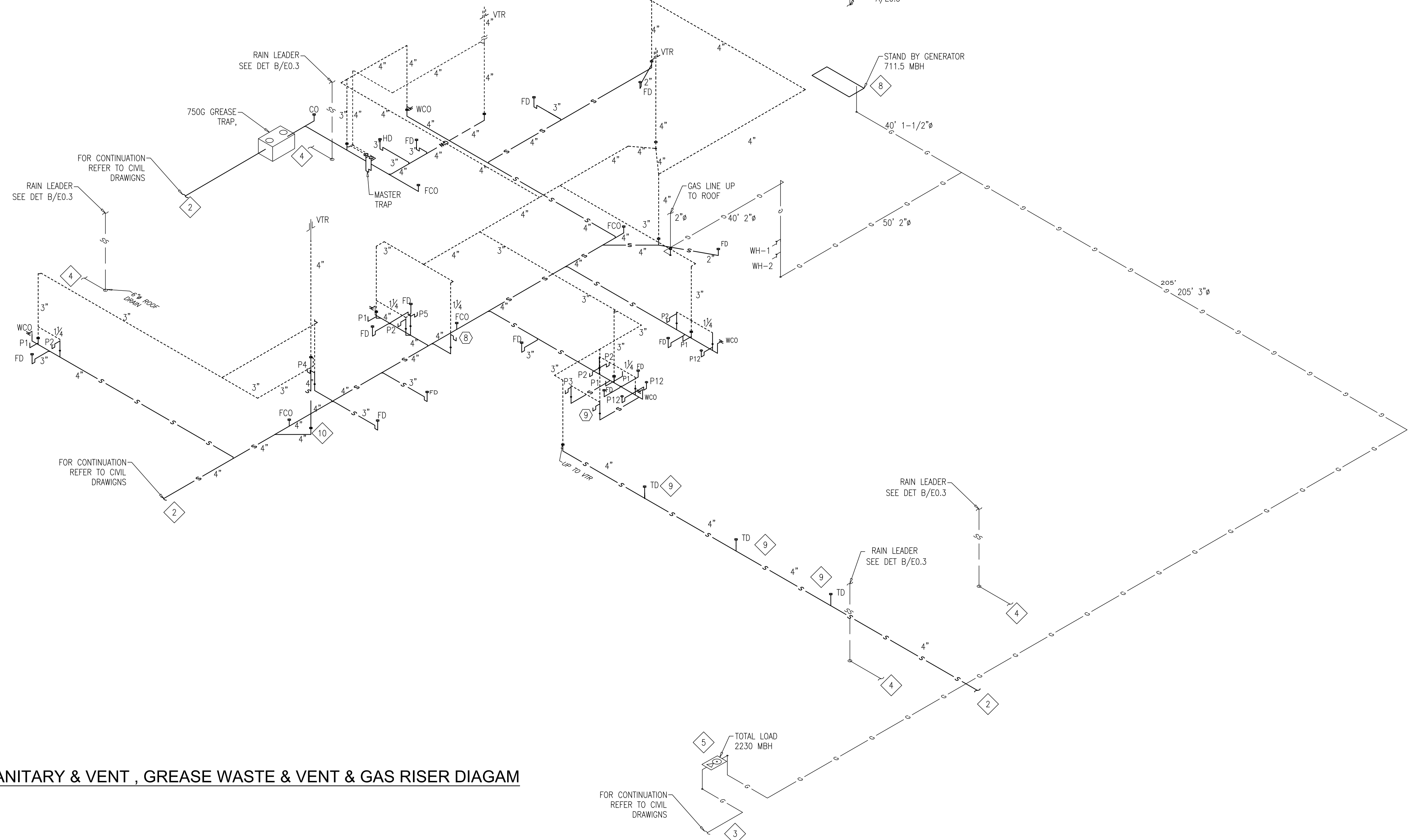








**2ND FLR PLUMB SANITARY & VENT, GREASE WASTE & VENT & GAS RISER DIAGRAM**  
SCALE: NONE



**1ST FLR PLUMB SANITARY & VENT, GREASE WASTE & VENT & GAS RISER DIAGRAM**  
SCALE: NONE

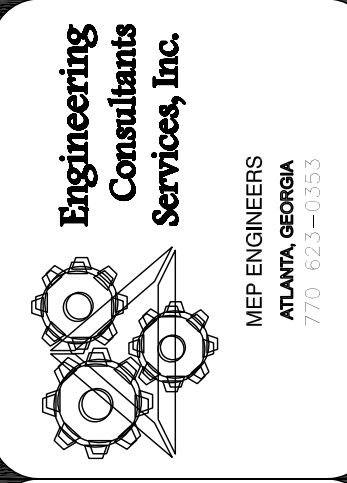
**KEY NOTES**

1. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES PRIOR TO THE START OF THE WORK TO AVOID CONFLICT. ANY REWORK OF THE PLUMBING DUE TO LACK OF COORDINATION SHALL BE WITHOUT COST TO THE OWNER.
2. COORDINATE WITH THE CIVIL DRAWINGS FOR CONNECTION TO THE SEWER SYSTEM.
3. COORDINATE WITH THE CIVIL DRAWINGS FOR CONNECTION TO THE GAS SERVICE.
4. 6" RAIN LEADER FROM ROOF TO GRADE. COORDINATE WITH THE CIVIL DRAWINGS FOR CONNECTION TO THE STORM DRAIN SYSTEM.
5. COORDINATE WITH GAS UTILITY COMPANY FOR GAS SERVICE. TOTAL CONNECTED GAS LOAD IS 2230 MBH.
6. GAS LINE UP TO RTU ON ROOF SEE DETAIL J/P0.1
7. CONNECT TO GAS UNIT HEATER. SEE DETAIL J/P0.1
8. GAS SUPPLY TO GENERATOR. FIELD COORDINATE WITH THE EQUIPMENT SHOP DRAWINGS.
9. PROVIDE TRAP FOR EACH TRENCH DRAIN (NT SEEN ON RISER DIAGRAM)
10. PLUMBING RISER UP TO 2ND FLOOR LEVEL AND UP TO VTR

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**1ST & 2ND FLOOR PLUMBING SANITARY AND GAS RISER DIAGRAM AND NOTES**  
**DEKALB COUNTY FIRE STATION**  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



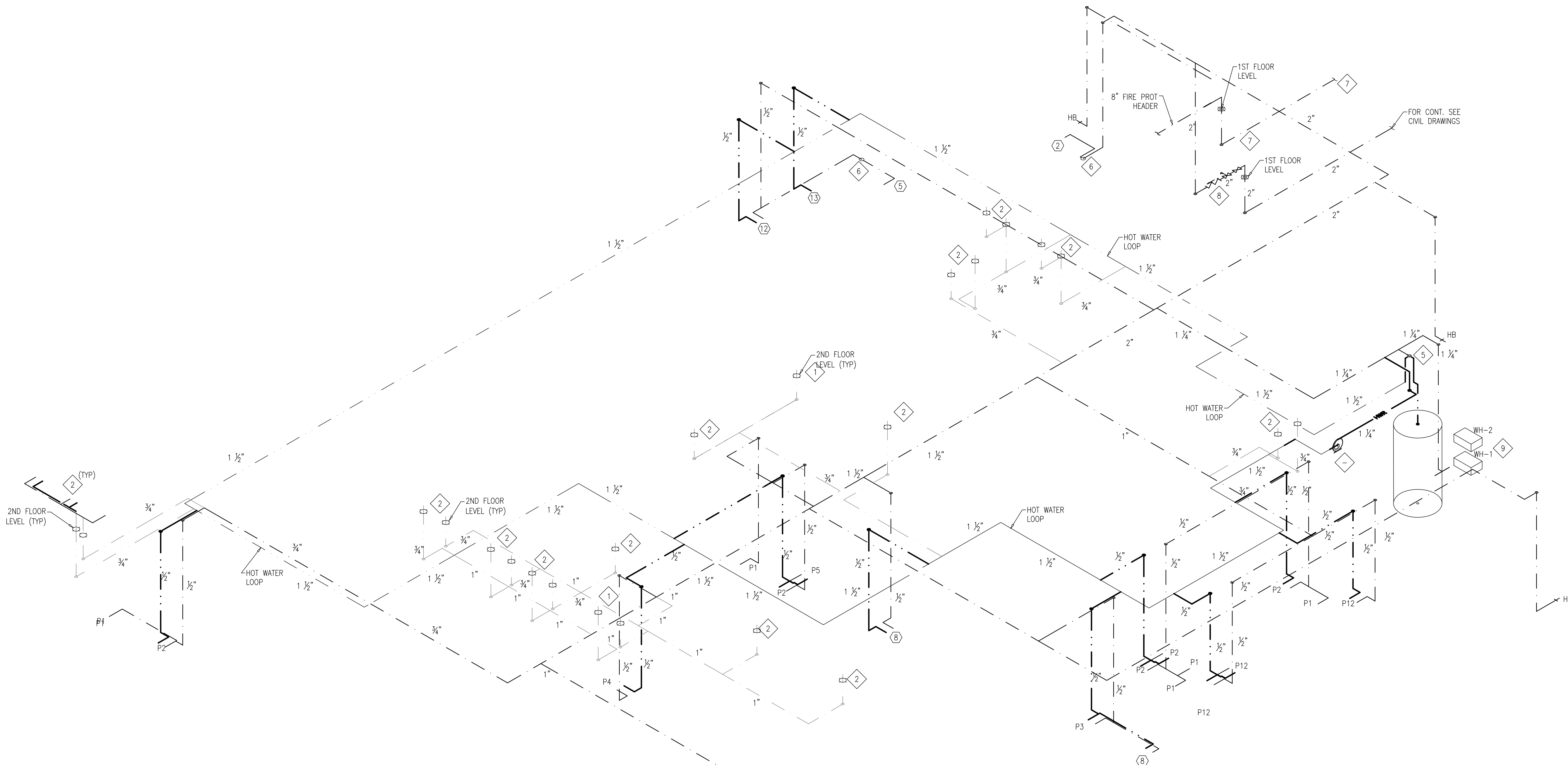
**BROWN DESIGN GROUP**  
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3059 WASHINGTON ROAD, EAST POINT, GA 30344  
(770) 404-5599 • (770) 404-7616 • (E) THEBROWNDESIGNGROUP.COM

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**FIRST & SECOND FLOOR PLUMBING HOT & COLD WATER RISER DIAGRAM**  
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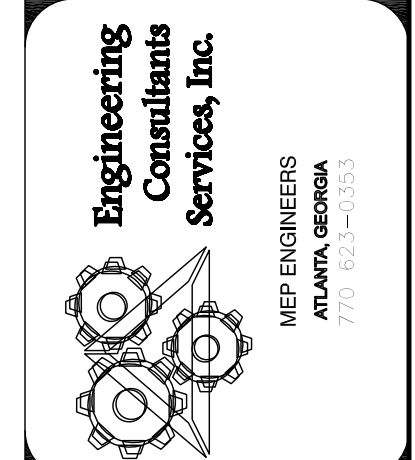
**KEY NOTES:**

- COORDINATE THE WORK ABOVE THE CEILING TO AVOID CONFLICT WITH OTHER TRADES
- HOT AND COLD WATER LINE IN THE FIRST FLOOR CEILING TURNED UP TO FIXTURES ON THE SECOND FLOOR. FOR FIXTURES SUPPLIED SEE DRAWING F2.2
- FOR DETAIL PIPING OF HOT WATER HEATERS IN PARALLEL AND REFER TO DETAIL F/PO.1.
- HOT WATER RETURN PUMP IN THE FIRST FLOOR CEILING. FOR CONNECTION LOCATION IN THE PIPING SCHEMATIC SEE DETAIL F/PO.1 AND NOTE THAT THE LINE FROM THE HOT WATER RETURN PUMP TO THE HEATING SYSTEM SHALL BE CONNECTED TO THE BUILDING RETURN LINE ON DETAIL F/PO.1
- PROVIDE 1-1/2" HOT AND COLD WATER MIXING VALVE FOR WATER SUPPLY TO THE HOT WATER LOOP. MIXING VALVE SHALL BE OR EQUAL TO RELIANCE WORLDWIDE CORPORATION MODEL MASTERGUARD 840 WITH MINIMUM FLOW 8GPM AND MAX FLOW 75GPM
- COORDINATE WITH THE EQUIPMENT SUPPLIER TO PROVIDE THE CORRECT SIZE WATER FILTER FOR THE ICE MACHINE AND THE COFFEE MAKER.
- 8' FIRE PROTECTION RISER COORDINATE WITH THE CIVIL DRAWINGS
- BACK FLOW PREVENTER FOR THE 2" POTABLE WATER SUPPLY. COORDINATE WITH THE CIVIL DRAWINGS.
- STACKED HOT WATER HEATERS COMPLETE WITH CIRCULATING PUMP FOR HEATERS AND STORAGE TANK. FOR PIPING DETAILS SEE SHEET PO.1. INSTALL HEATERS IN STRICT COMPLIANCE WITH THE MANUFACTURER'S INSTRUCTION.

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**PLUMBING HOT AND COLD WATER RISER  
 DIAGRAM AND NOTES**  
**DEKALB COUNTY FIRE STATION**  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



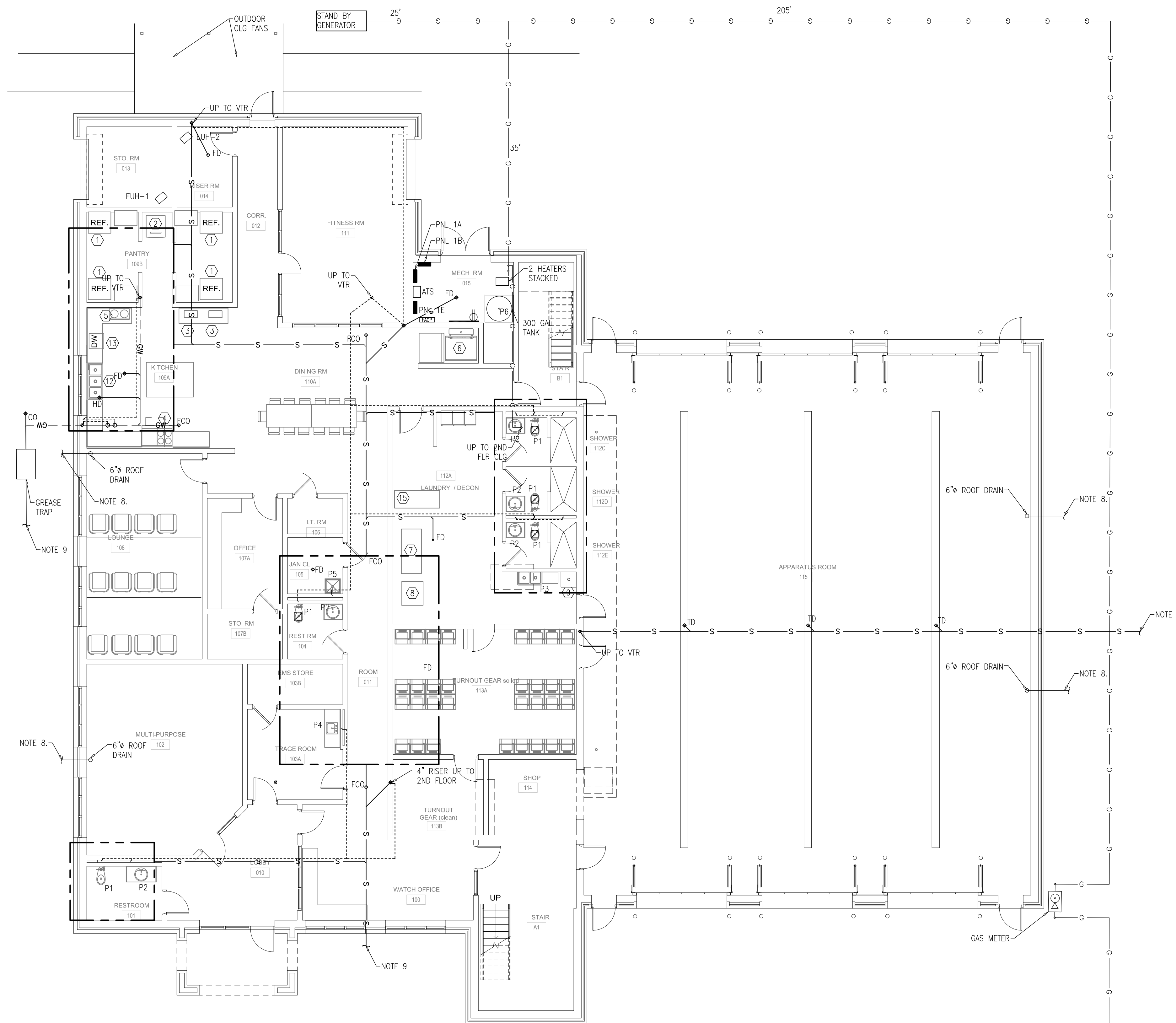
**BROWN DESIGN GROUP**  
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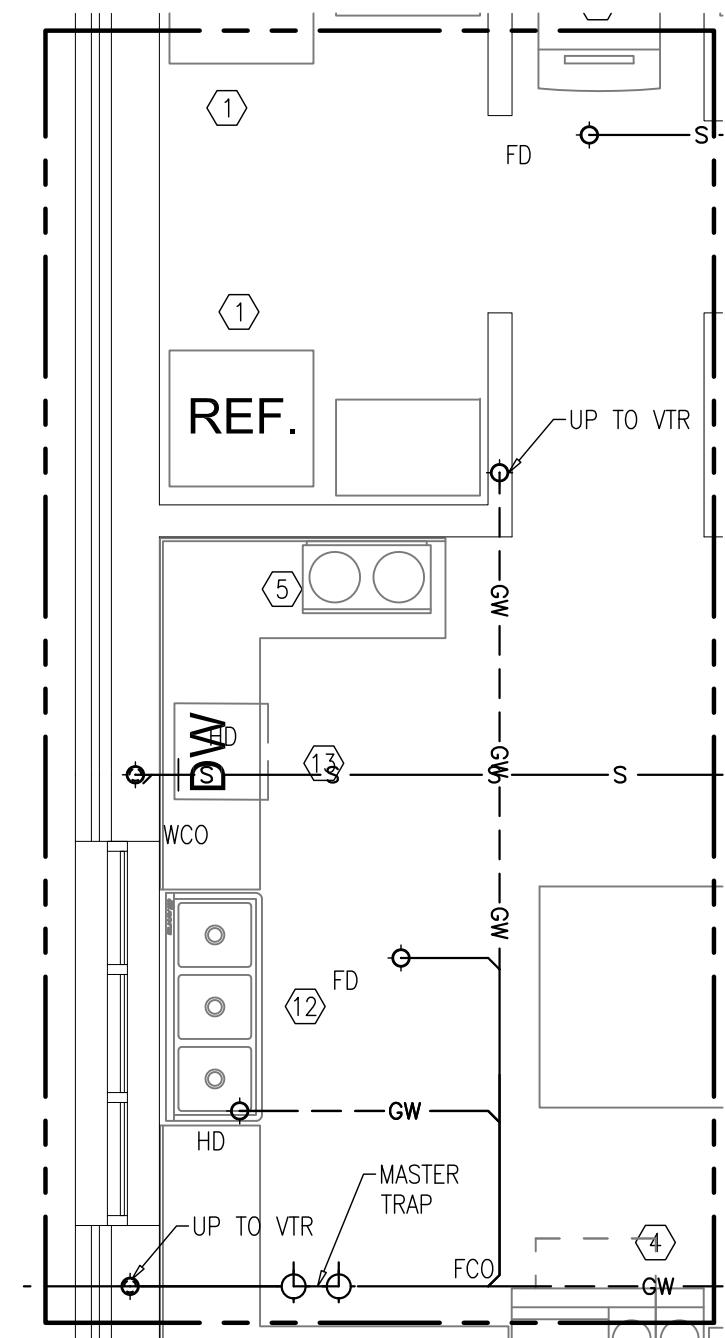
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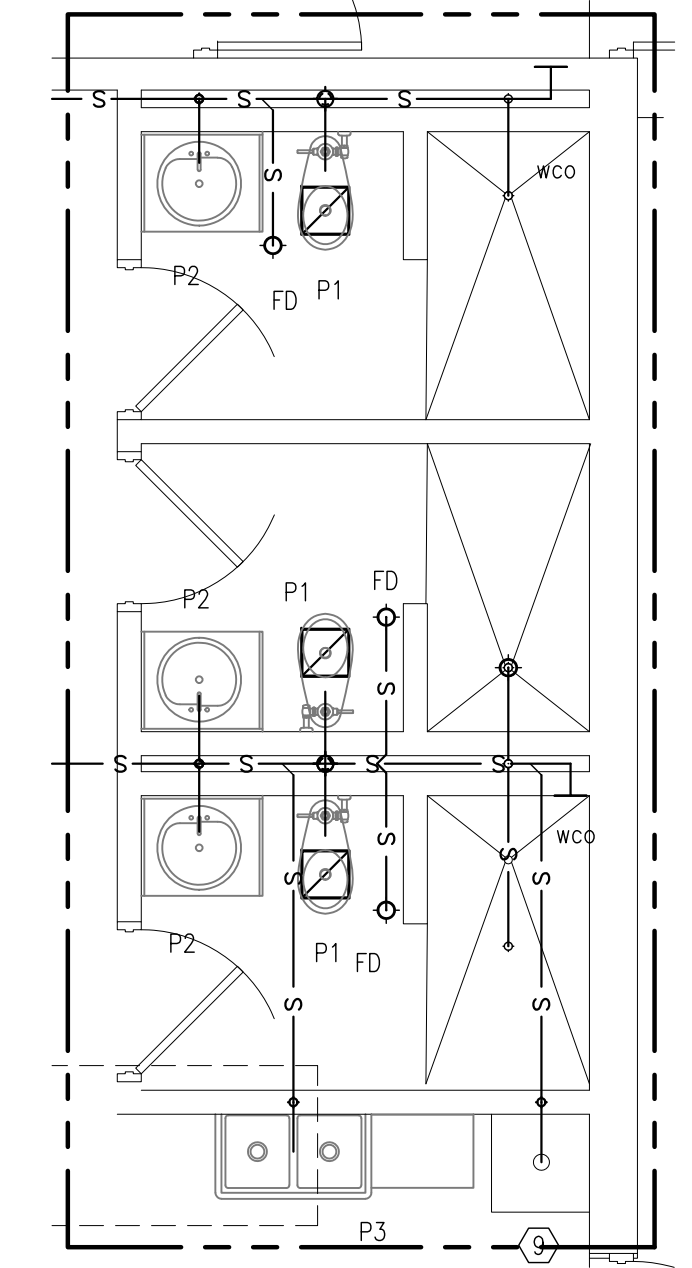




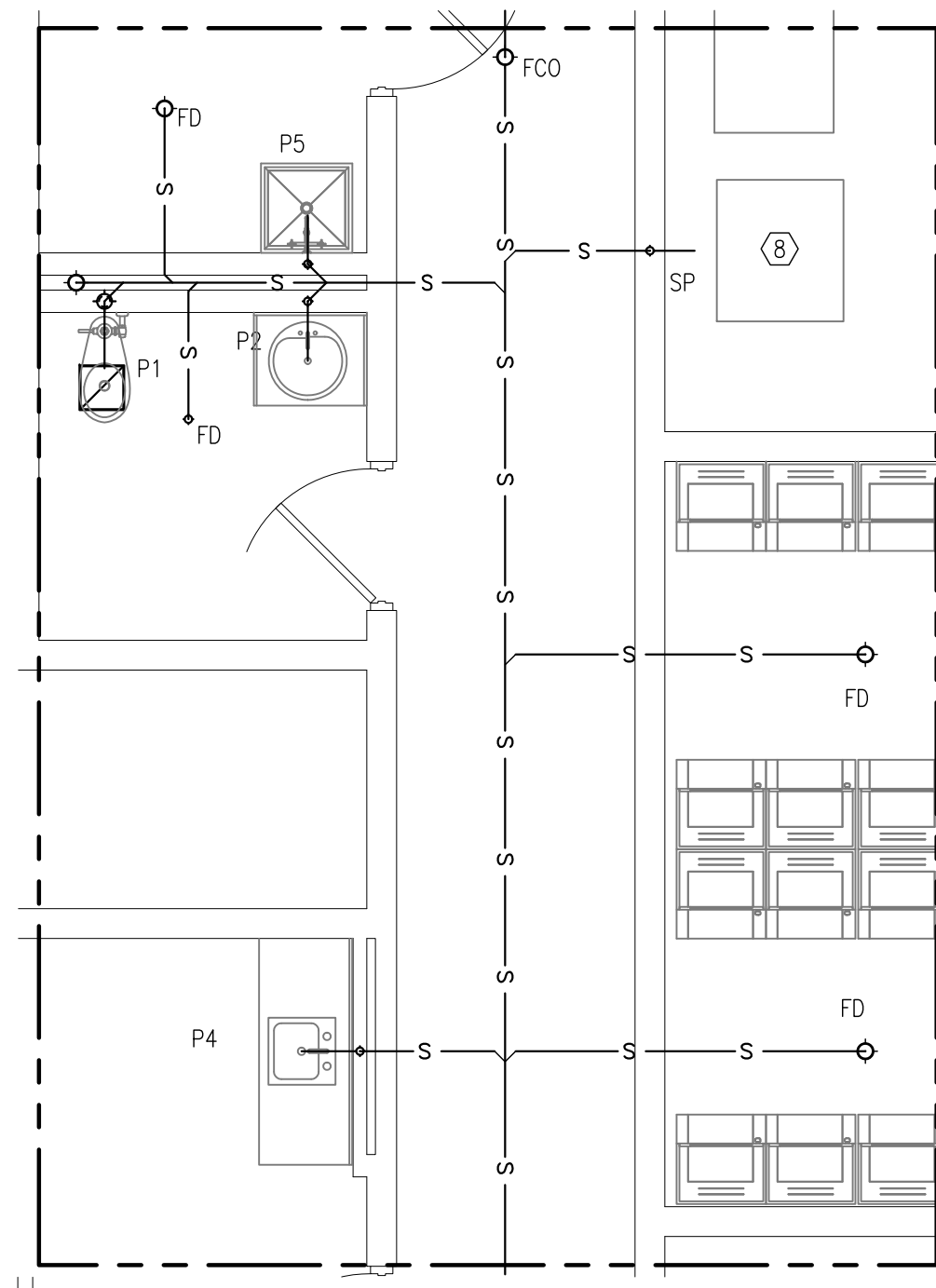
**1 P1.1 FIRST FLOOR SANITARY & VENT PLUMBING PLAN**  
SCALE 1/8" - 1'-0"



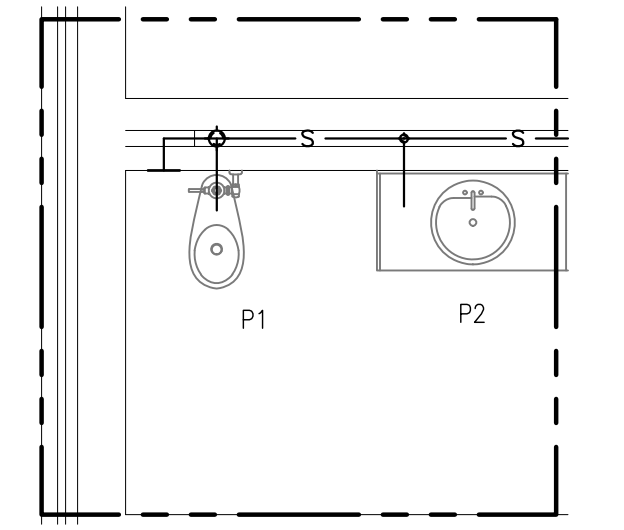
**A P1.1 PLUMBING PLAN DETAIL A**  
SCALE 1/4" - 1'-0"



**C P1.1 PLUMBING PLAN DETAIL C**  
SCALE 1/4" - 1'-0"



**B P1.1 PLUMBING PLAN DETAIL B**  
SCALE 1/4" - 1'-0"



**D P1.1 PLUMBING PLAN DETAIL D**  
SCALE 1/4" - 1'-0"

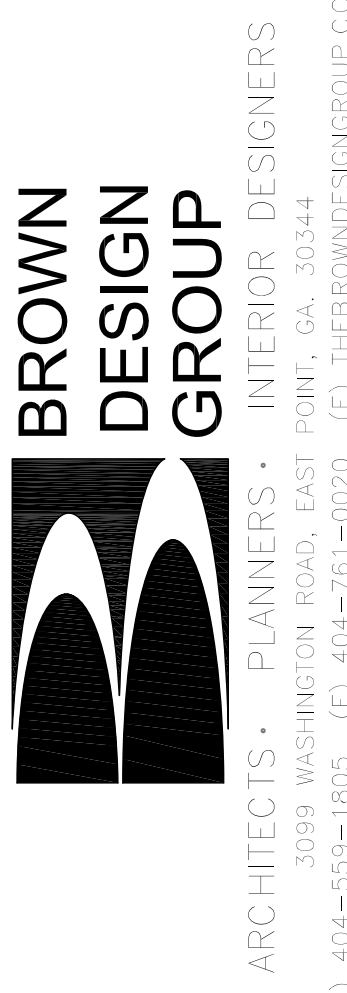
**NOTES**

1. THE PLUMBING DRAWING IS LARGELY A DIAGRAMMATIC DRAWING AND CONDITIONS IN THE FIELD TOGETHER WITH THE COORDINATION REQUIRED WITH OTHER TRADES CAUSE CONDITIONS IN THE FIELD TO DIFFER FROM THAT SHOWN ON THE PLANS. NOT WITH STANDING THE CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM TO MEET ALL RELEVANT CODE REQUIREMENTS.
2. COORDINATE THE PLUMBING WORK ABOVE CEILING TO AVOID CONFLICT WITH OTHER TRADES PRIOR TO THE START OF THE WORK. COORDINATE THE LOCATION OF ROOF PENETRATIONS WITH THE STRUCTURAL DRAWINGS.
3. COORDINATE THE REQUIREMENTS FOR BACK FLOW PREVENTERS WITH THE CIVIL DRAWINGS. THE BACK FLOW PREVENTER IN THE RISER ROOM IS NOT A REPLACEMENT FOR THE BACK FLOW PREVENTER AT THE SERVICE ENTRANCE. PROVIDE FOR ACCESS AND SERVICING AS REQUIRED BY THE CODE.
4. PROVIDE LOCK OFF VALVE FOR ALL PLUMBING FIXTURES AND A SINGLE LOCK OFF VALVE FOR THE WATER SERVICE TO THE BUILDING WHETHER OR NOT THIS IS SHOWN ON THE RISER DIAGRAMS AND THE PLANS.
5. COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND EXACT LOCATION OF PLUMBING FIXTURES AND OTHER EQUIPMENT.
6. FINAL LOCATION FOR GAS SERVICE AND METERING TO BE FIELD COORDINATED WITH THE GAS COMPANY AND THE CIVIL DRAWINGS PRIOR TO THE START OF CONSTRUCTION
7. SEE DRAWING P0.1 FOR LEGEND SPECIFICATIONS DETAILS AND NOTES.
8. FOR CONTINUATION TO THE STORM DRAIN SEE CIVIL DRAWINGS

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**FIRST FLOOR PLUMBING SANITARY WASTE & VENT & GAS PLANS & NOTES**  
**DEKALB COUNTY FIRE STATION**  
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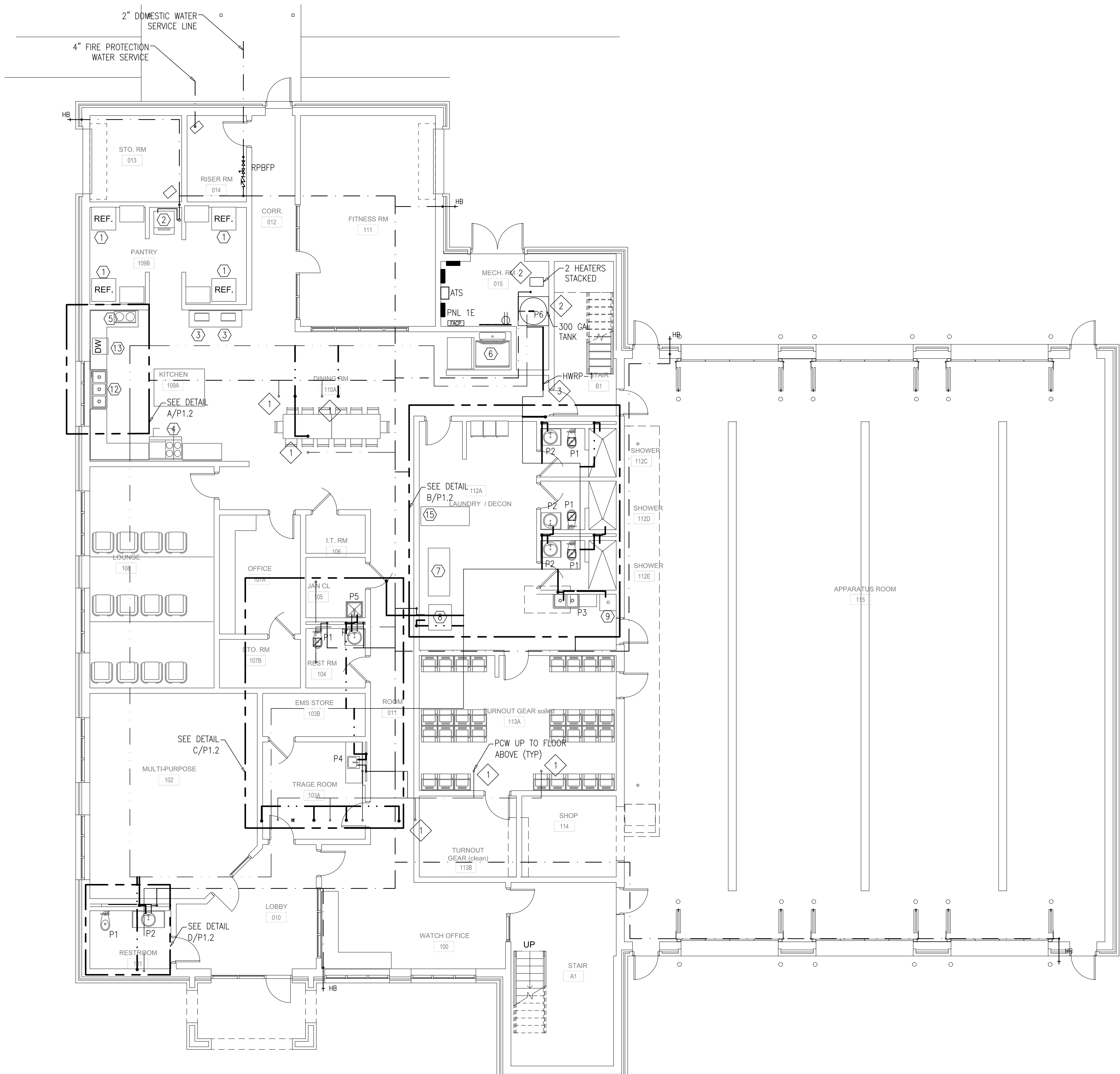


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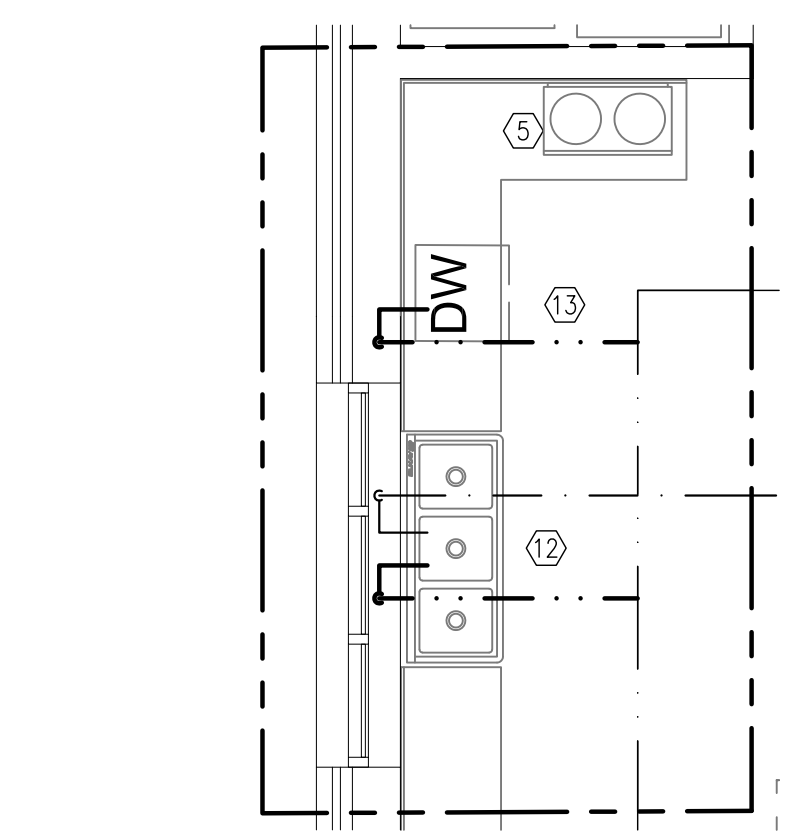
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**P1.1**

FOR CONSTRUCTION

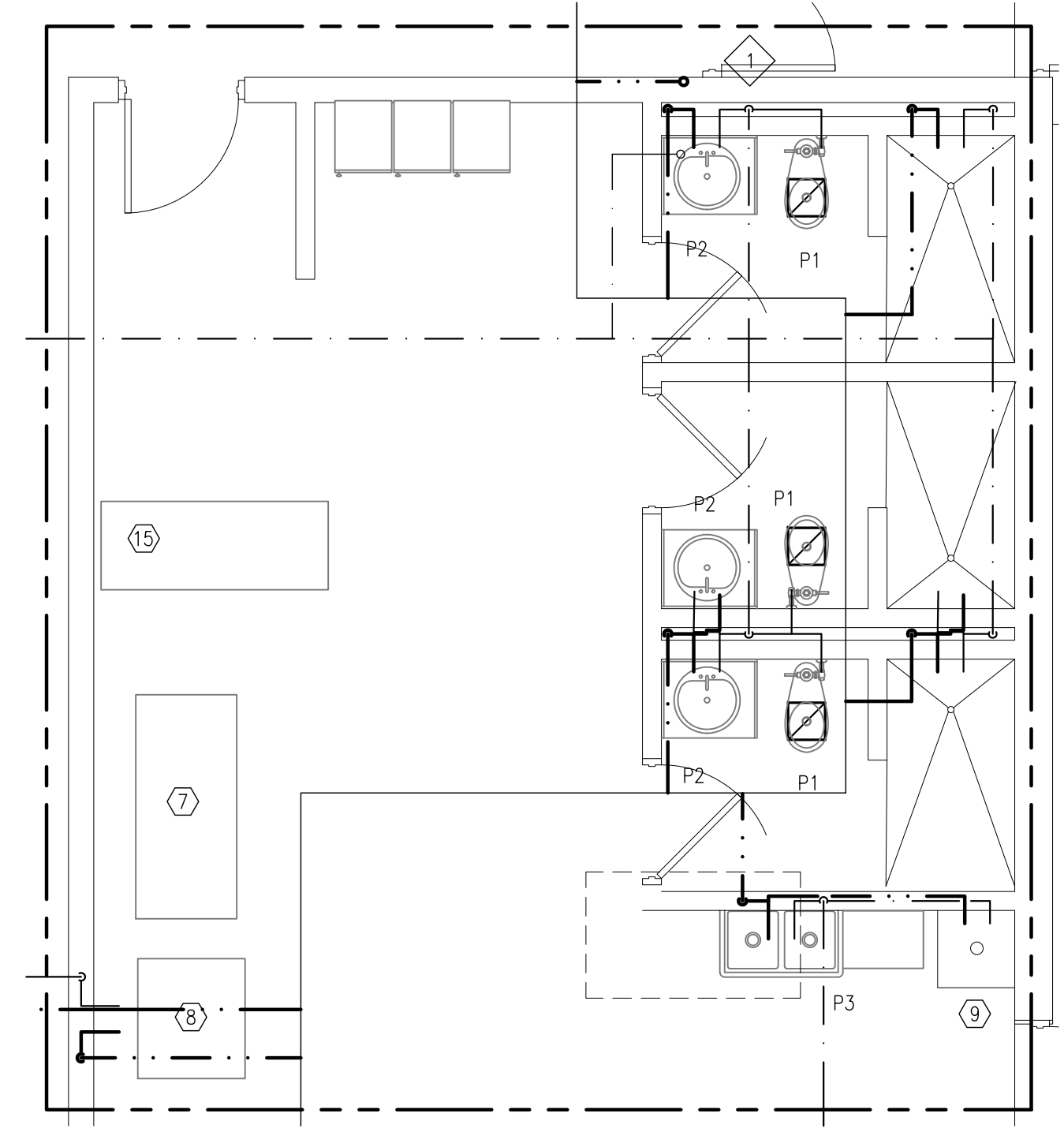




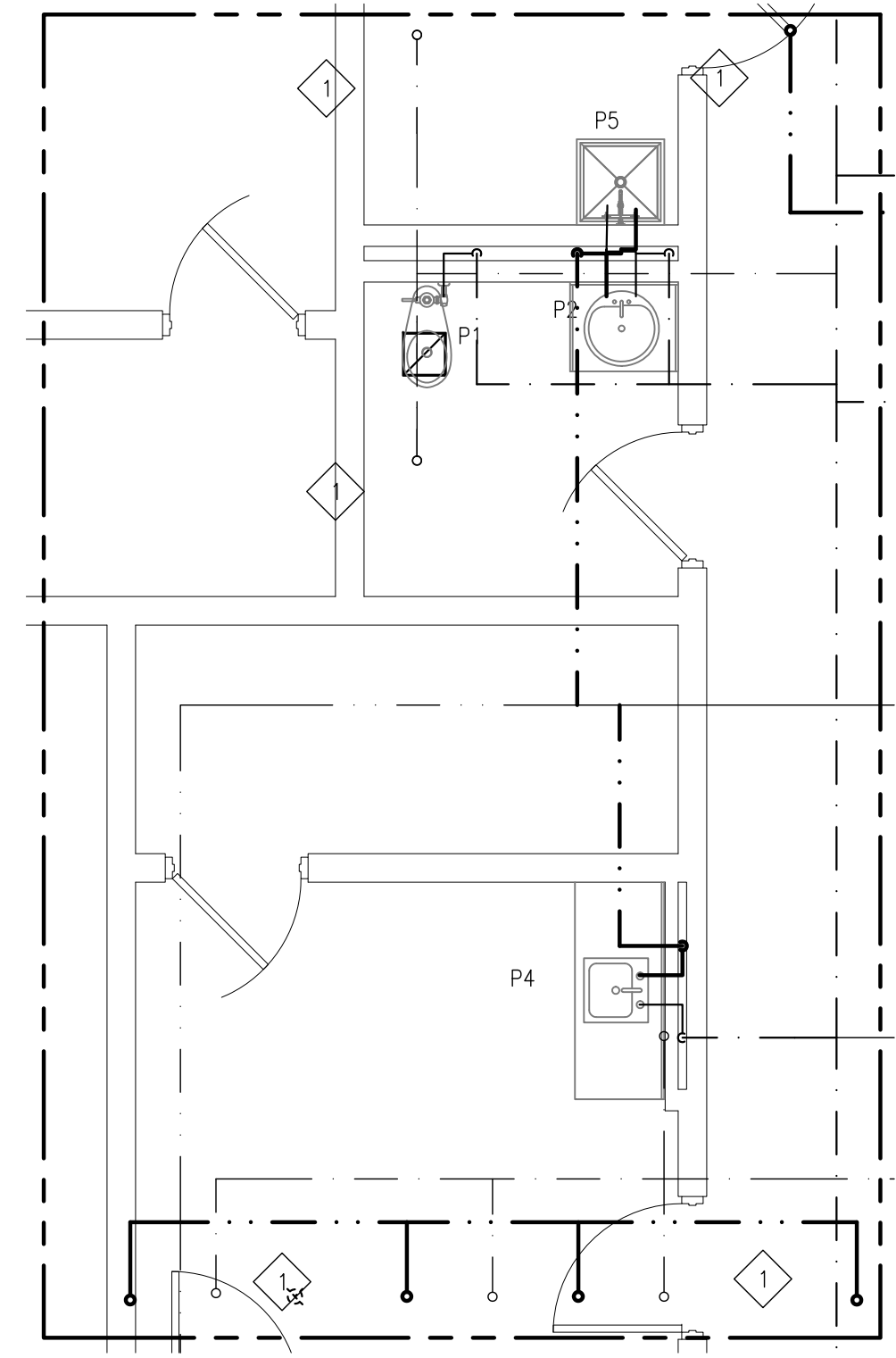
**1 FIRST FLOOR HOT & COLD WATER PLUMBING PLAN**  
SCALE 1/8" - 1'-0"



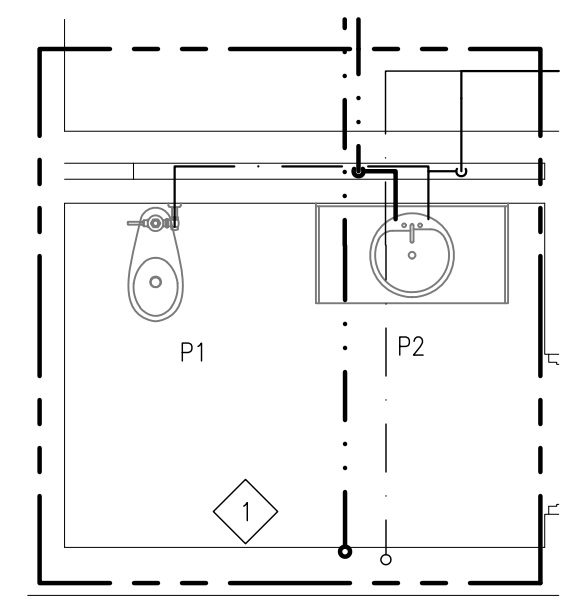
**A PLUMBING PLAN DETAIL A**  
SCALE 1/4" - 1'-0"



**B PLUMBING PLAN DETAIL B**  
SCALE 1/4" - 1'-0"



**C PLUMBING PLAN DETAIL C**  
SCALE 1/4" - 1'-0"



**D PLUMBING PLAN DETAIL D**  
SCALE 1/4" - 1'-0"

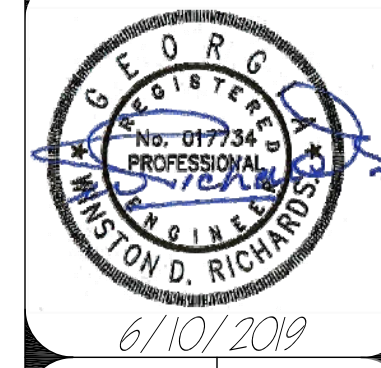
**KEY NOTES:**

- HOT AND COLD WATER LINE IN THE FIRST FLOOR CEILING TURNED UP TO FIXTURES ON THE SECOND FLOOR
- FOR DETAIL PIPING OF HOT WATER HEATERS IN PARALLEL AND REFER TO DETAIL F/PO.1.
- HOT WATER RETURN PUMP IN THE FIRST FLOOR CEILING, FOR CONNECTION LOCATION IN THE PIPING SCHEMATIC SEE DETAIL F/PO.1 AND NOTE THAT THE LINE FROM THE HOT WATER RETURN PUMP TO THE HEATING SYSTEM SHALL BE CONNECTED TO THE BUILDING RETURN LINE ON DETAIL F/PO.1
- 

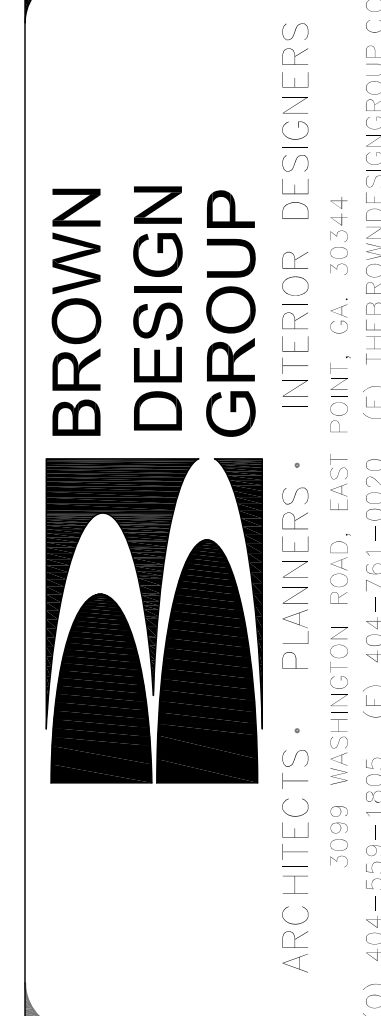
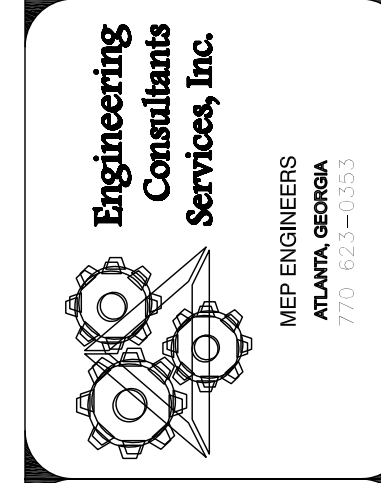
**NOTES**

- THE PLUMBING DRAWING IS LARGELY A DIAGRAMMATIC DRAWING AND CONDITIONS IN THE FIELD TOGETHER WITH THE COORDINATION REQUIRED WITH OTHER TRADES CAUSE CONDITIONS IN THE FIELD TO DIFFER FROM THAT SHOWN ON THE PLANS. NOT WITH STANDING THE CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE AND FUNCTIONAL SYSTEM TO MEET ALL RELEVANT CODE REQUIREMENTS.
- COORDINATE THE PLUMBING WORK ABOVE CEILING TO AVOID CONFLICT WITH OTHER TRADES PRIOR TO THE START OF THE WORK. COORDINATE THE LOCATION OF ROOF PENETRATIONS WITH THE STRUCTURAL DRAWINGS.
- COORDINATE THE REQUIREMENTS FOR BACK FLOW PREVENTERS WITH THE CIVIL DRAWINGS. THE BACK FLOW PREVENTER IN THE RISER ROOM IS NOT A REPLACEMENT FOR THE BACK FLOW PREVENTER AT THE SERVICE ENTRANCE. PROVIDE FOR ACCESS AND SERVICING AS REQUIRED BY THE CODE.
- PROVIDE LOCK OFF VALVE FOR ALL PLUMBING FIXTURES AND A SINGLE LOCK OFF VALVE FOR THE WATER SERVICE TO THE BUILDING WHETHER OR NOT THIS IS SHOWN ON THE RISER DIAGRAMS AND THE PLANS.
- COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND EXACT LOCATION OF PLUMBING FIXTURES AND OTHER EQUIPMENT.
- FINAL LOCATION FOR GAS SERVICE AND METERING TO BE FIELD COORDINATED WITH THE GAS COMPANY AND THE CIVIL DRAWINGS PRIOR TO THE START OF CONSTRUCTION
- SEE DRAWING PO.1 FOR LEGEND SPECIFICATIONS DETAILS AND NOTES.

REVISIONS		
NO.	DESCRIPTION	DATE



**FIRST FLOOR PLUMBING HOT & COLD WATER PLANS & NOTES**  
**DEKALB COUNTY FIRE STATION**  
No. 7  
1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



CHECKED: WR  
DRAWN: ECSI  
SCALE: AS NOTED  
DWG. DATE: 06/10/2019  
PRINT DATE: -  
JOB NO.: ECSI-1903

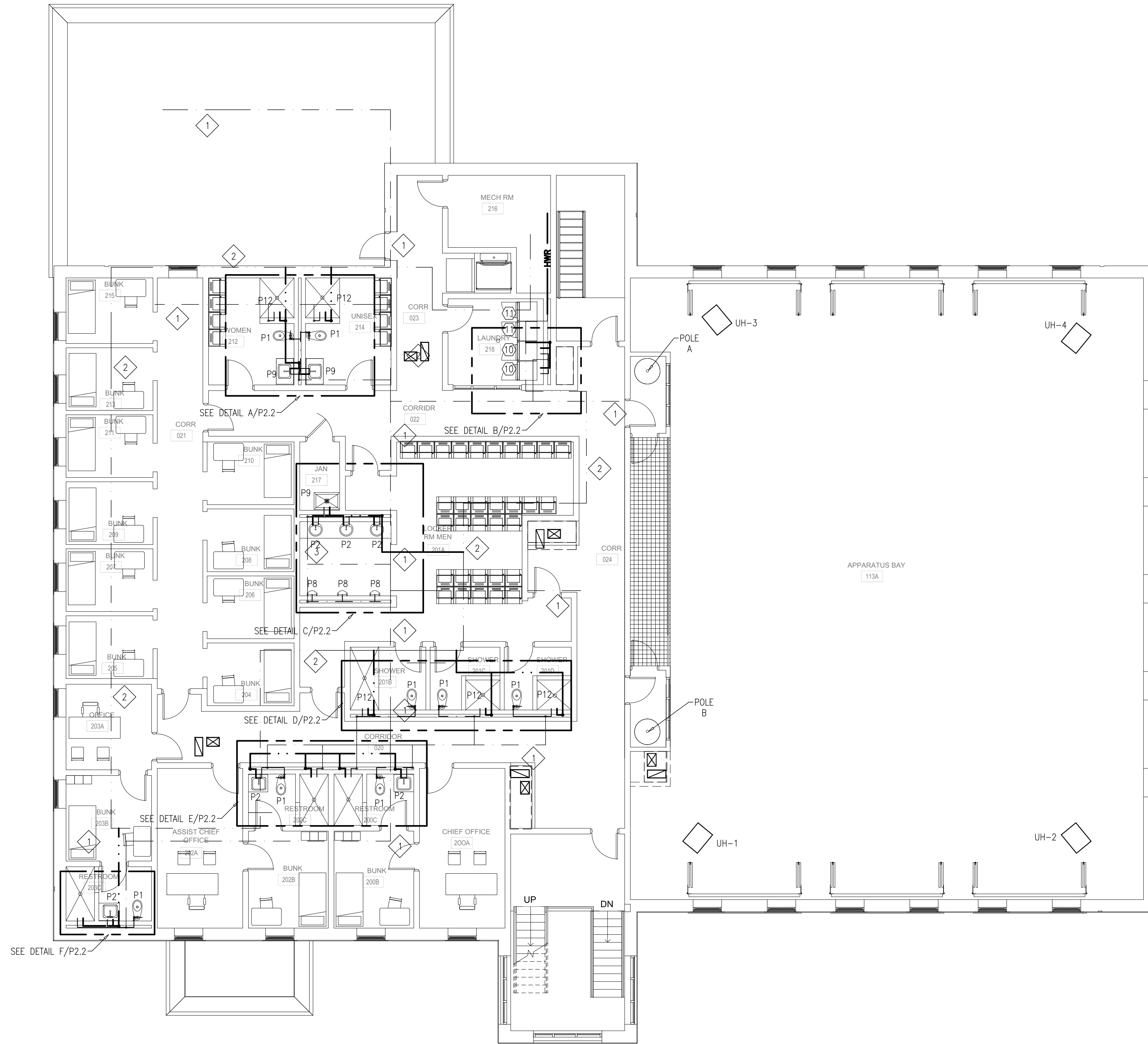
SHEET  
**P1.2**

FOR CONSTRUCTION

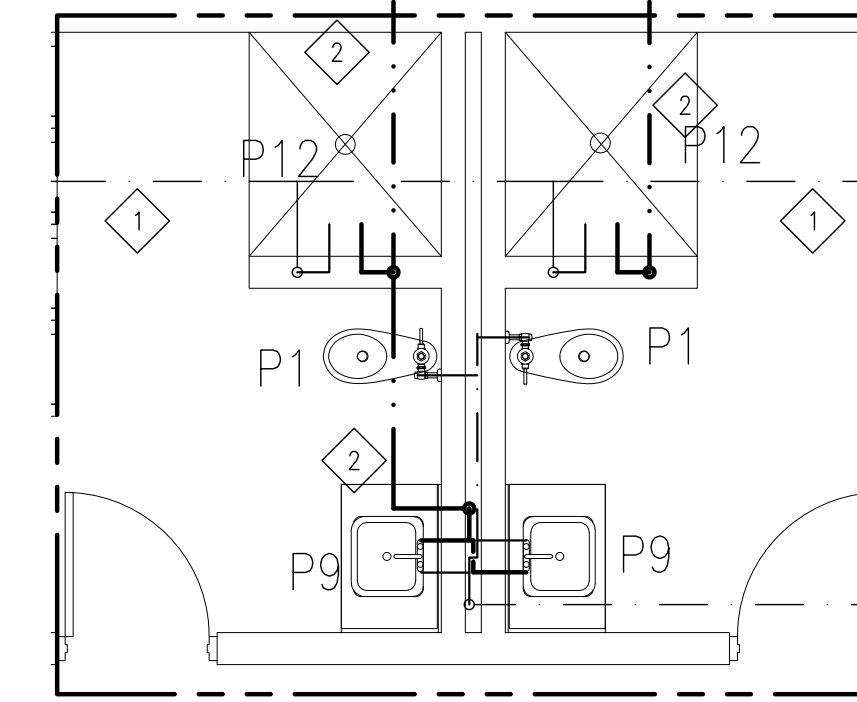




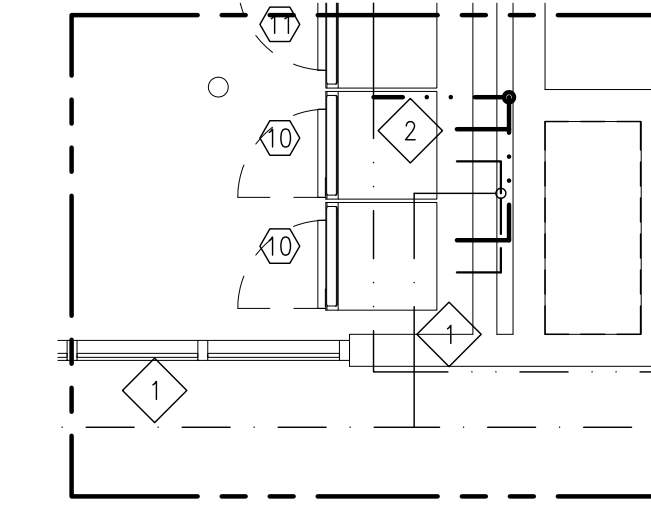




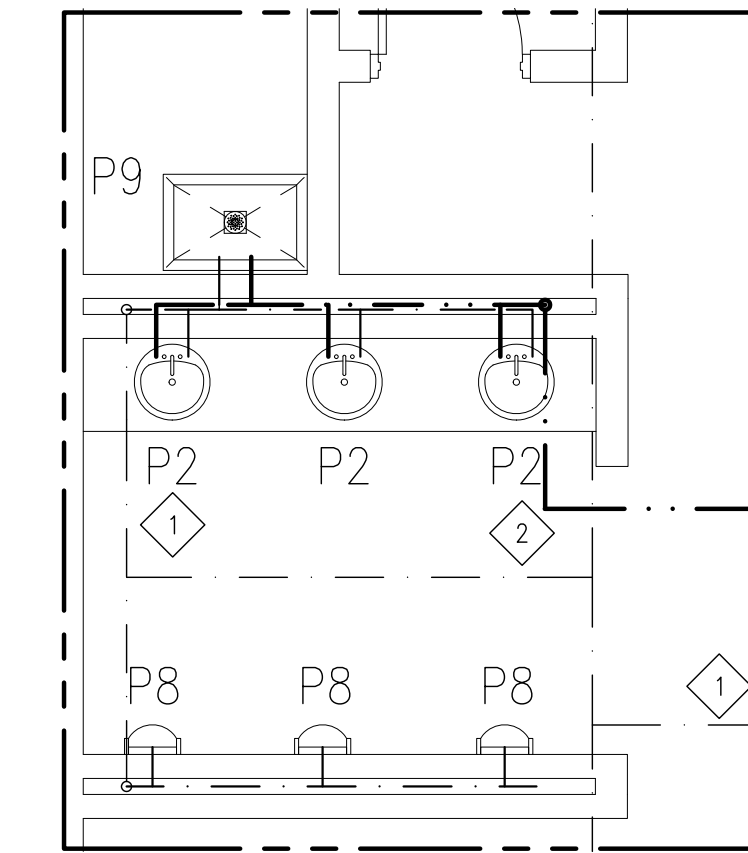
**1 SECOND FLOOR HOT & COLD WATER PLUMBING PLAN**  
 P2.2 SCALE 1/8" - 1'-0"



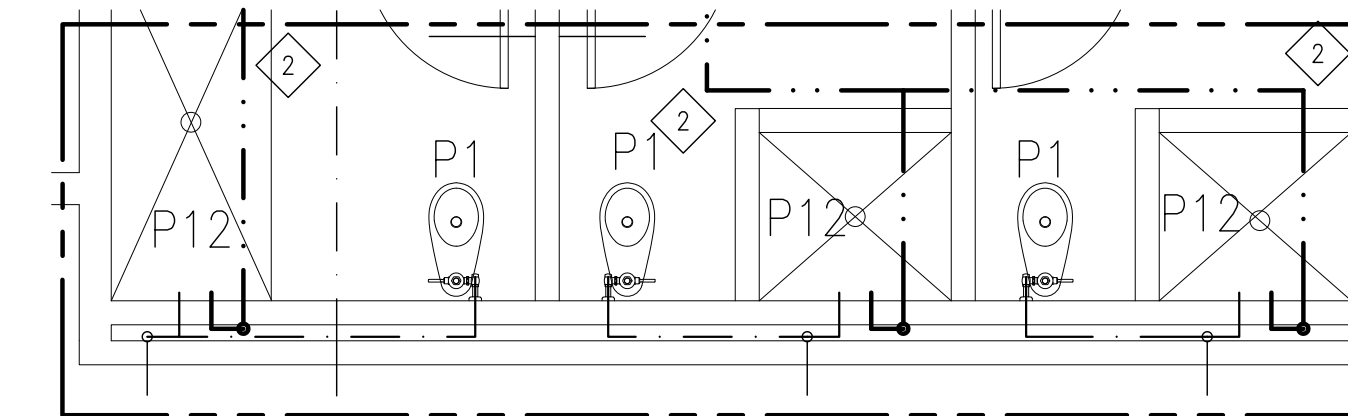
**A PLUMBING PLAN DETAIL A**  
 P2.2 SCALE 1/4" - 1'-0"



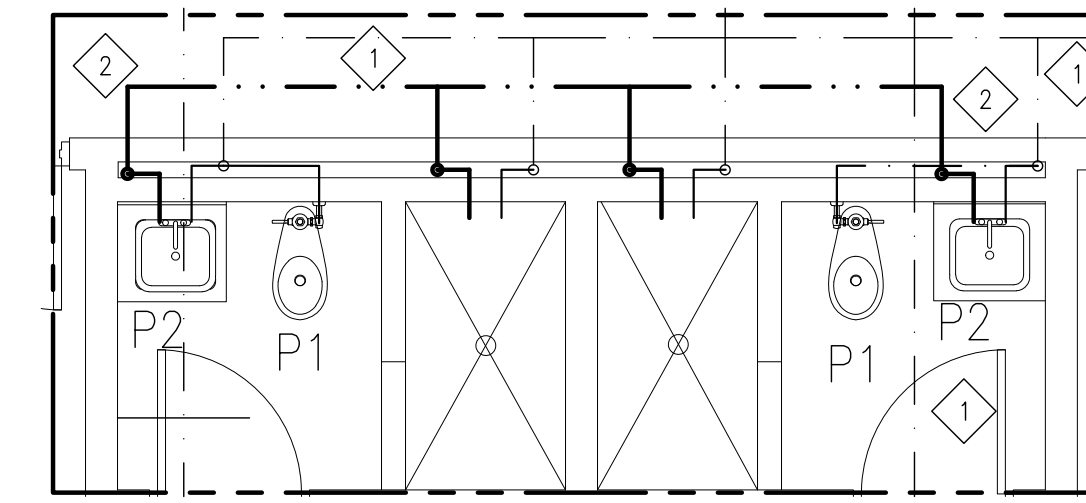
**B PLUMBING PLAN DETAIL B**  
 P2.2 SCALE 1/4" - 1'-0"



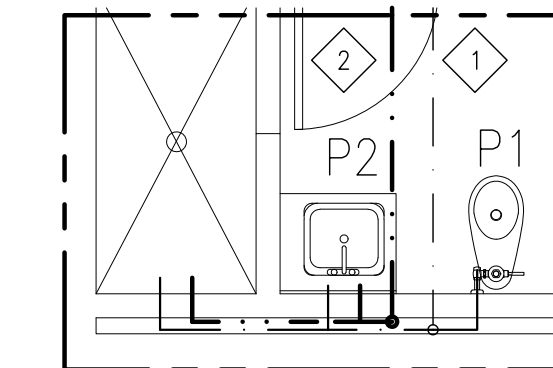
**C PLUMBING PLAN DETAIL C**  
 P2.2 SCALE 1/4" - 1'-0"



**D PLUMBING PLAN DETAIL D**  
 P2.2 SCALE 1/4" - 1'-0"



**E PLUMBING PLAN DETAIL E**  
 P2.2 SCALE 1/4" - 1'-0"



**F PLUMBING PLAN DETAIL F**  
 P2.2 SCALE 1/4" - 1'-0"

**KEY NOTES:**

1. COLD WATER LINE IN THE FIRST FLOOR CEILING TURNED UP TO FIXTURES ON THE SECOND FLOOR.
2. HOT WATER LINE IN THE FIRST FLOOR CEILING TURNED UP TO FIXTURES ON THE SECOND FLOOR.
3. HOT WATER RETURN PUMP IN THE FIRST FLOOR CEILING SEE DRAWING P1.2
4. HOT WATER RETURN LINE IN THE FIRST FLOOR CEILING BACK TO THE HOT WATER HEATER SEE DRAWING P1.2
- 5.

**NOTES**

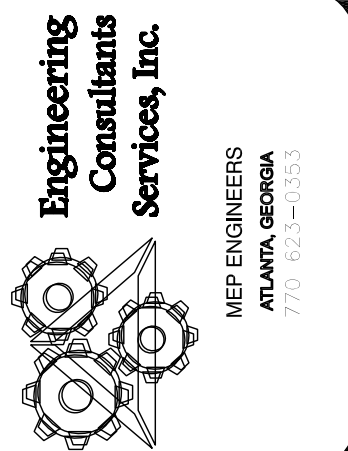
1. COORDINATE THE PLUMBING WORK ABOVE CEILING TO AVOID CONFLICT WITH OTHER TRADES PRIOR TO THE START OF THE WORK. COORDINATE THE LOCATION OF ROOF PENETRATIONS WITH THE STRUCTURAL DRAWINGS.
2. COORDINATE THE REQUIREMENTS FOR WATER METERS AND BACK FLOW PREVENTERS WITH THE CIVIL DRAWINGS. THE BACKFLOW PREVENTER IN THE RISER ROOM IS NOT A REPLACEMENT FOR THE BACK FLOW PREVENTER AT THE SERVICE ENTRANCE. PROVIDE FOR ACCESS AND SERVICING AS REQUIRED BY THE CODE.
3. PROVIDE LOCK OFF VALVE FOR ALL PLUMBING FIXTURES AND A SINGLE LOCK OFF VALVE FOR THE WATER SERVICE TO THE BUILDING WHETHER OR NOT THIS IS SHOWN ON THE RISER DIAGRAMS AND THE PLANS.
4. COORDINATE WITH THE ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND EXACT LOCATION OF PLUMBING FIXTURES AND OTHER EQUIPMENT.
5. FINAL LOCATION FOR GAS SERVICE AND METERING TO BE FIELD COORDINATED WITH THE GAS COMPANY AND THE CIVIL DRAWINGS PRIOR TO THE START OF CONSTRUCTION.
6. SEE DRAWING P0.1 FOR LEGEND SPECIFICATIONS DETAILS AND NOTES.

NO.	DESCRIPTION	DATE



6/10/2019

SECOND FLOOR HOT & COLD WATER  
 PLUMBING PLAN & NOTES  
 DEKALB COUNTY FIRE STATION  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



**BROWN DESIGN GROUP**  
 ARCHITECTS • PLANNERS • INTERIOR DESIGNERS  
 10389 WASHINGTON ROAD, EAST POINT, GA 30344  
 (404) 559-1805 (F) 404-761-0020 (E) THEBROWNGROUP@GMAIL.COM

FOR CONSTRUCTION

CHECKED: WR  
 DRAWN: ECSI  
 SCALE: AS NOTED  
 DWG. DATE: 06/10/2019  
 PRINT DATE: -  
 JOB NO.: ECSI-1903

SHEET  
**P2.2**







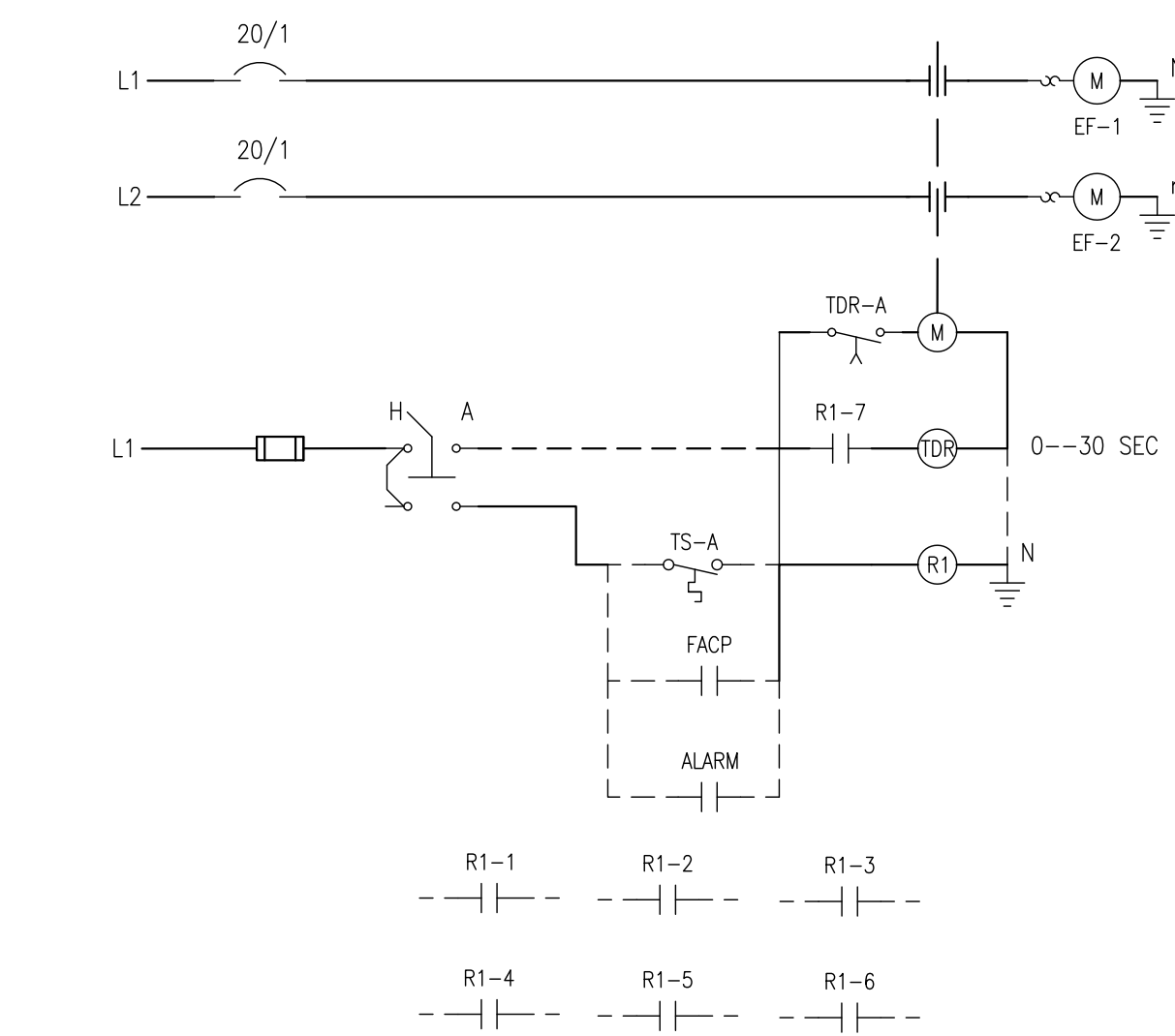
PANELBOARD SCHEDULE												
PANEL: 1A		LOCATION: 1ST FLOOR MECH RM		ENCL: NE-1		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		
VOLTAGE: 208/120V		PHASE: 3		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
SIZE: 600A		MOUNTING: SURFACE		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
100% NEUTRAL: YES		MOUNTING: SURFACE		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
CKT. NO.	TRIP	P	CIRCUIT DESCRIPTION	KVA	"A"	"B"	"C"	KVA	CIRCUIT DESCRIPTION	P	AMPS	CKT. TRIP NO.
1	20	1	RCPT	0.7	17.4			16.7	PANELBOARD 2A	3	150	2
3	20	1	RCPT FITNESS RM	0.5		16.8		16.3				4
5	20	1	RCPT FITNESS RM	0.5		15.8		15.3				6
7	20	1	RCPT FITNESS RM	1.0	4.2			3.2	RTU-1	3	50	8
9	20	1	RCPT HALLWAY	0.7		3.9		3.2				10
11	20	1	RCPT ICE MACH #2	1.0		4.2		3.2				12
13	20	1	RCPT APP BAY	0.7	3.9			3.2	RTU-2	3	50	14
15	20	1	RCPT APP BAY	0.7	3.9			3.2				16
17	20	1	RCPT #3	0.6		3.8		3.2				18
19	20	1	RCPT #3	0.6	3.8			3.2	RTU-5	3	50	20
21	20	1	RCPT #5	0.6		3.8		3.2				22
23	20	1	DISH-WASHER #13	1.5		4.7		3.2				24
25	20	1	RCPT & SINK GRNDR	1.5	17.3			14.5	AUTO TRANSFER SWITCH	3	150	26
27	20	1	RCPT	0.4		13.3		12.9				28
29	20	1	SPARE		5.7			5.7	EXTRACTOR/WASHER (8)	3	80	32
31	20	1	RCPT	0.9		6.6		5.7				34
33	20	1	RCPT	0.9		6.6		5.7				34
35	20	1	RCPT REST ROOMS	0.8		6.5		5.7				36
37	20	1	RCPT	0.8	4.8			4.0	DRYING CABINET (?)	3	40	38
39	20	1	RCPT	0.9		4.9		4.0				40
41	20	1	RCPT SHOP	0.6		4.6		4.0				42
43	20	1	RCPT REST ROOM	1.5	2.5			1.0	RCPT	1	20	44
45	20	1	RCPT REST ROOM	1.5	2.0			1.0	RCPT	1	20	46
47	20	1	RCPT REST ROOM	1.5		1.7		0.2	HOOD LTG & CONTROL	1	20	48
49	100	3	PANEL 1B	6.1	7.4			1.2	KEF-1	1	25	50
51	20	1	SPARE	4.6		5.8		1.2	KSF-1	1	25	52
53	20	1	SPARE		3.0				SHUNT TRIP	1	20	54
PHASE TOTALS:				67.0	63.7	57.6						
PANEL TOTAL:				181.3								

PROVIDE MCB WITH SHUNT TRIP FOR INTERFACE WITH THE FIRE PROTECTION SYSTEM.

PANELBOARD SCHEDULE												
PANEL: 2A		LOCATION: 2ND FLOOR MECH RM		ENCL: NE-1		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		
VOLTAGE: 208/120V		PHASE: 3		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
SIZE: 225A		MOUNTING: SURFACE		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
100% NEUTRAL: YES		MOUNTING: SURFACE		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
CKT. NO.	TRIP	P	CIRCUIT DESCRIPTION	KVA	"A"	"B"	"C"	KVA	CIRCUIT DESCRIPTION	P	AMPS	CKT. TRIP NO.
1	20	1	RCPT RESTROOM	1.5	2.7			1.2	RCPT - DORM	1	20	2
3	20	1	RCPT RESTROOM	1.5		2.7		1.2	RCPT - DORM	1	20	4
5	20	1	RCPT APPARATUS BAY	0.5		1.5		1.0	RCPT ASSIST CHIEF	1	20	6
7	20	1	RCPT APPARATUS BAY	0.5	1.5			1.0	RCPT RESTROOM	1	20	8
9	20	1	SPARES		1.0			1.0	RCPT RESTROOM	1	20	10
11	20	1	SPARES		1.0			1.0	RCPT RESTROOM	1	20	12
13	20	1	SPARES		1.0			1.0	RCPT CHIEF	1	20	14
15	20	1	SPARES		0.9			0.9	RCPT DORMITORY	1	20	16
17	20	1	SPARES		0.9			0.9	RCPT DORMITORY	1	20	18
19	20	1	SPARES		1.0			1.0	RCPT - RESTROOM	1	20	20
21	20	1	SPARES		1.0			1.0	RCPT - RESTROOM	1	20	22
23	20	1	SPARES		1.0			1.0	RCPT - RESTROOM	1	20	24
25	20	1	SPARES		0.7			0.7	RCPT LOCKER ROOM	1	20	26
27	20	1	SPARES		0.9			0.9	RCPT HALLWAY	1	20	28
29	20	1	SPARES						SPARE	1	20	30
31	40	1	RTU-3	3.2	4.1			0.9	DOMESTIC WASHER (10)	1	30	32
33	40	1	RTU-4	3.2	4.1			0.9	DOMESTIC WASHER (10)	1	30	34
35	40	1	RTU-4	3.2	5.7			2.5	DOMESTIC DRIER (11)	2	30	36
37	40	1	RTU-4	3.2	5.7			2.5	DOMESTIC DRIER (11)	2	30	38
39	40	1	RTU-4	3.2	5.7			2.5	DOMESTIC DRIER (11)	2	30	40
41	40	1	RTU-4	3.2	5.7			2.5	DOMESTIC DRIER (11)	2	30	42
PHASE TOTALS:				16.7	16.3	15.8						
PANEL TOTAL:												

ELECTRIC UNIT HEATER SCHEDULE						
MARK	SERVICE	KW	ELECTRICAL DATA		MFR/CAT NUMBER	REMARK
			FAN HP	VOLTS/Ø		
EUH-1	STORAGE	2.2	1/100	208/1Ø	DAYTON/2YU58-250242	ALL
EUH-2	RISER ROM	3.0	1/100	208/1Ø	DAYTON/2YU61-250242	ALL
1. CONTROLLED BY THERMOSTAT 2. INTEGRAL DISCONNECT SWITCH 3. U.L. LISTED 4. PROVIDE UNIVERSAL WALL MOUNT WITH HEATER MOUNTED AT 6'-0" AFF						

PANELBOARD SCHEDULE												
PANEL: 1E		LOCATION: 1ST FLOOR MECH RM		ENCL: NE-1		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		
VOLTAGE: 208/120V		PHASE: 3		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
SIZE: 200A		MOUNTING: SURFACE		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
100% NEUTRAL: YES		MOUNTING: SURFACE		WIRE: 4		AIC: 10 KA		GROUND BUS: Y		ISOLATED GROUND BUS: NO		
CKT. NO.	TRIP	P	CIRCUIT DESCRIPTION	KVA	"A"	"B"	"C"	KVA	CIRCUIT DESCRIPTION	P	AMPS	CKT. TRIP NO.
1	20	1	RCPT (REFRIG #1)	0.7	6.7			6.0	PANELBOARD 2E	3	70	2
3	20	1	RCPT (REFRIG #1)	0.7		6.0		5.3				4
5	20	1	RCPT (REFRIG #1)	0.7		5.8		5.1				6
7	20	1	RCPT (REFRIG #1)	0.7	1.2			0.5	DOOR OPERATOR #1	3	20	8
9	20	1	WH CONTROL	0.2		0.7		0.5				10
11	20	1	FACP	0.5		1.0		0.5				12
13	20	1	CHAIR LIFT	1.2	1.7			3.5	DOOR OPERATOR #2	3	20	14
15	20	1	SPARE			0.5		0.5				16
17	20	1	RCPT TRIAGE ROOMS	0.6		1.1		0.5				18
19	20	1	SIGN AT GATE	0.8	1.3			0.5	DOOR OPERATOR #3	3	20	20
21	20	1	SITE LIGHTING	0.6		1.1		0.5				22
23	20	1	SITE LIGHTING	0.8		1.3		0.5				24
25	20	1	OUTSIDE LIGHTS	0.5	1.0			0.5	DOOR OPERATOR #4	3	20	26
27	30	2	GATE OPERATORS	2.1		2.6		0.5				28
29	20	1	SPARE		2.1			2.6	0.5			30
31	20	1	LTG	0.9	1.4			0.5	DOOR OPERATOR #5	3	20	32
33	20	1	LTG	0.8		1.3		0.5				34
35	20	1	LTG	0.8		1.3		0.5				36
37	20	1	LTG	0.9	1.4			0.5	DOOR OPERATOR #6	3	20	38
39	20	1	LTG	0.9		1.4		0.5				40
41	20	1	RCPT IT ROOM	1.5		2.0		0.5	TIB	1	20	44
43	20	1	RCPT IT ROOM	1.5	1.7			0.2	WEATHER CONT PNL	1	20	46
45	20	1	RCPT IN OFFICE	0.7					WEATHER CONT PNL	1	20	48
47	20	1	SPARES						ALERT SYSTEM	1	20	48
49	20	1	SPARES						ALERT SYSTEM READER	1	20	50
51	20	1	SPARES						SPARES	1	20	52
53	20	1	SPARES						SPARES	1	20	54
PHASE TOTALS:				17.3	14.5	14.94						
PANEL TOTAL:												

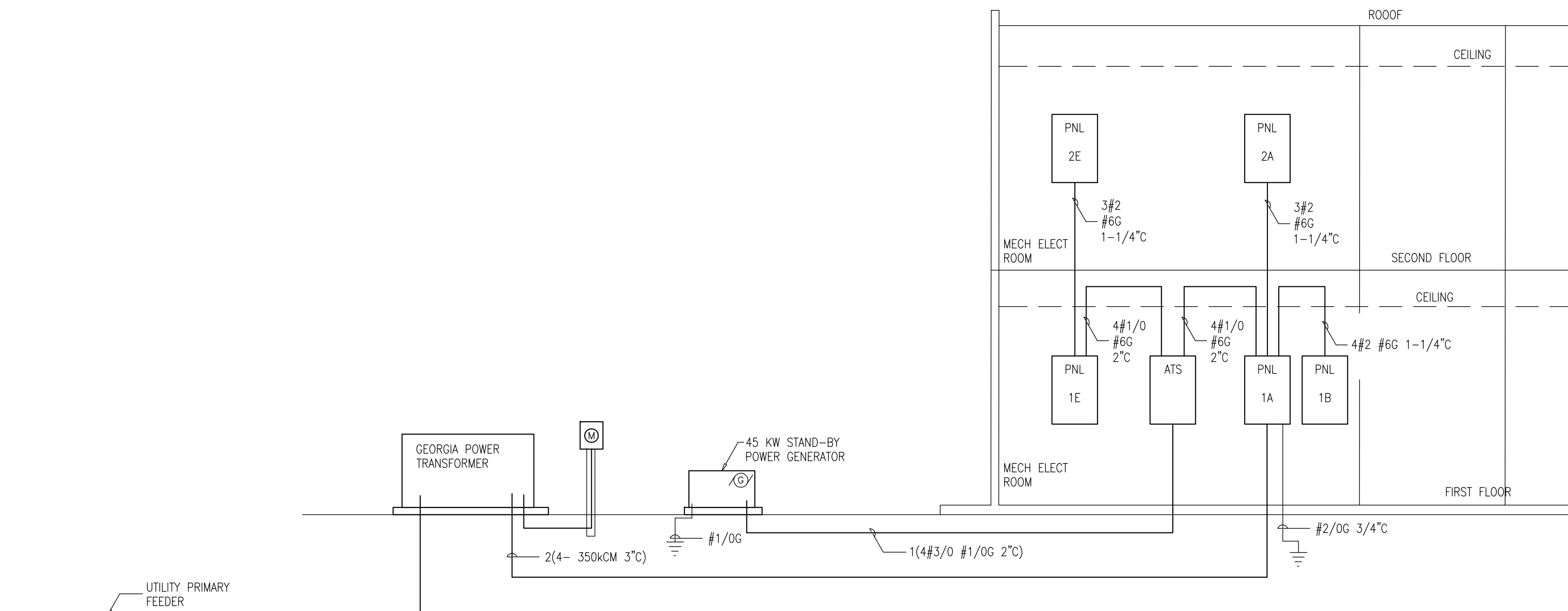


EF-1 & EF-2 EXH FAN SCHEMATIC CONTROL DIAG.

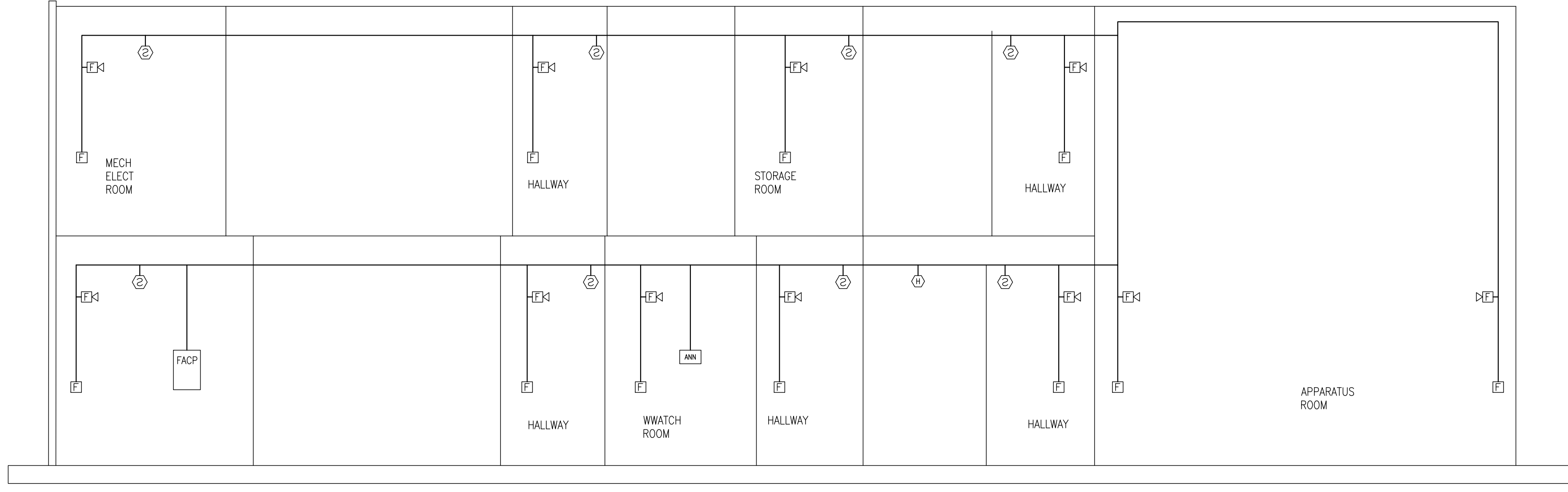
- NOTES:
- HAND AUTO CONTROL SWITCH IN WATCH ROOM MOTOR CONTROL CONTACTOR LOCATE IN ELECTRICAL ROOM
  - ALARM CONTACT FROM ALARM ALERT SYSTEM IN WATCH ROOM
  - FACP CONTACT FROM FIRE ALARM CONTROL
  - "R1" CONTACTS WIRED TO DOOR CONTROLLERS FOR OPENING DURING WHEN EXHAUST FAN STARTS.
  - "R1" CONTACT STARTS MOTOR AFTER SET DELAY

MECHANICAL EQUIPMENT CONNECTION SCHEDULE					
EQUIP. TAG	VOLTAGE	CIRCUIT	CONDUCTORS	DISCONNECT V/P/A/ENCL	REMARKS
RTU-1	208/3	1A-8	3Ø#8 #10G 3/4"C	208V-3Ø/45AF/NE-3R	
RTU-2	208/3	1A-14	3Ø#8 #10G 3/4"C	208V-3Ø/45AF/NE-3R	
RTU-3	208/3	2A-31	3Ø#8 #10G 3/4"C	208V-3Ø/40AF/NE-3R	
RTU-4	208/3	2A-37	3Ø#8 #10G 3/4"C	208V-3Ø/40AF/NE-3R	
RTU-5	208/3	1A-20	3Ø#8 #10G 3/4"C	208V-3Ø/45AF/NE-3R	
EF-1	115/1	2E-14	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	
EF-2	115/1	2E-12	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	
EF-3	115/1	2E-16	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	INTERLOCK WITH RTU-1
EF-4	115/1	N/A	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	CONNECT TO LIGHT SW
EF-5	115/1	2E-18	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	INTERLOCK WITH RTU-3
EF-6	115/1	2E-20	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	INTERLOCK WITH RTU-4
EF-7	115/1	2E-22	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	INTERLOCK WITH RTU-4
EF-8	115/1	2E-24	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	INTERLOCK WITH RTU-5
EF-9	115/1	2E-26	2Ø12 #12G 3/4"C	SUPPLIED WITH FAN	INTERLOCK WITH RTU-5
DRYING CABINET	208/3	1A-32	3Ø#8 #10G 3/4"C	208V-3Ø/60A/NE-1	
WASHER EXTR.	208/3	1A-38	3Ø#6 #10G 1"C	208V-3Ø/60A/NE-1	
KSF-1	208/3	1A-52	2		





**A RISER DIAGRAM ELECTRICAL POWER**  
SCALE: NONE



**B RISER DIAGRAM FIRE ALARM SYSTEM**  
SCALE: NONE

**STAND BY GENERATOR SPECIFICATION**

- PART 1 - GENERAL**
- THIS SPECIFICATION INCLUDES PACKAGED GAS ENGINE SPARK IGNITED STANDBY GENERATOR WITH WEATHER PROOF ENCLOSURE BATTERY CHARGER AND AUTOMATIC TRANSFER SWITCH.
  - COMPLY WITH THE FOLLOWING: INTERNATIONAL BUILDING CODE, NFPA 110 FOR LEVEL 1 SYSTEMS, NFPA 70, ISO 90001. THE GENERATOR SET SHALL BE UL LISTED, CSA CERTIFIED TO PRODUCT CLASS 4215-01, AND MEET THE EPA SI STATIONARY EMISSION REGULATION 40 CFR PART 60. COMPLY WITH APPLICABLE STATE AND LOCAL GOVERNMENT REQUIREMENTS FOR NOISE CRITERIA TO INCLUDE NOISE PRODUCED BY THE ENGINE GENERATOR AND EXHAUST SYSTEMS COMBINED.
  - PROVIDE SHOP DRAWINGS FOR ENGINE GENERATOR ENCLOSURE AND EXHAUST SYSTEM INSTALLATION WITH VIBRATION ISOLATORS. PROVIDE SHOP DRAWINGS FOR CONCRETE PAD TO SUPPORT PACKAGED ENGINE GENERATOR.
  - OPERATING CONDITIONS: TEMPERATURE - MINUS 15°F TO PLUS 40°F, ALTITUDE 1000 FT.
  - WARRANTY: MANUFACTURERS STANDARD FORM IN WHICH MANUFACTURER REPLACES OR REPAIR COMPONENTS OF THE PACKAGED ENGINE GENERATOR AND ASSOCIATED AUXILIARY COMPONENTS THAT FAIL IN MATERIAL OR WORKMANSHIP WITHIN 5 YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION.
- PART 2 - PRODUCTS**
- ACCEPTABLE MANUFACTURERS: GENERAC POWER SYSTEM, CUMMINS ONAN AND CATERPILLAR
  - FACTORY ASSEMBLED AND TESTED ENGINE GENERATOR SET.
    - ELECTRIC GENERATOR SHALL BE SINGLE BEARING CLOSE COUPLED THREE PHASE WYE CONNECTED WITH BRUSHLESS EXCITER. GENERATOR SHALL BE CLASS H INSULATION WITH 3 PHASE SENSING VOLTAGE REGULATOR, OVER VOLTAGE AND OVER SPEED PROTECTION VOLTAGE REGULATION TO WITHIN 3% OF NOMINAL VOLTAGE. VOLTAGE GAIN TO COMPENSATE FOR ENGINE SPEED DROP AND WITH 24 VOLT DC CONTROLS.
    - GENERATOR: 45 KW 120/208 VOLT, 3 PHASE, WITH STEADY STATE BANDWIDTH  $\pm 3\%$  OF RATED VOLTAGE, TRANSIENT 20% TO 40% STEP LOAD INCREASE, SUSTAINED SHORT CIRCUIT CAPACITY SHALL BE 250% OF RATED FULL LOAD CURRENT FOR MINIMUM OF 10 SECONDS
    - GENERATOR EXCITATION: PERMANENT MAGNET EXCITATION FOR POWER SOURCE TO VOLTAGE REGULATOR.
    - GENERATOR SHALL BE RATED FOR 110% OF NOMINAL CAPACITY
    - PROVIDE 100% LSI CIRCUIT BREAKER WITH THE ALTERNATOR
  - ENGINE & FUEL SYSTEM:
    - NATURAL GAS DIRECT FROM THE UTILITY COMPANY WITH PRESSURES BETWEEN 1.2 IN WG AND 3.2 IN WG.
    - FOUR CYCLE ENGINE WITH FILTER, STRAINER, THERMOSTATIC CONTROL VALVE, LUBRICATION SYSTEM WITH FAILSAFE CONTROLS AND CRANK CASE DRAIN.
    - ADJUSTABLE ISO-SYNCHRONOUS GOVERNOR WITH SPEED SENSING AND OVER SPEED CONTROL
    - ENGINE SPEED 1800 RPM
    - PROVIDE A COMPLETE VERTICAL RADIATOR CLOSED LOOP COOLING SYSTEM, SIZED FOR 110% OF ENGINE COOLING REQUIREMENTS AND OVER TEMPERATURE CONTROLS.
    - MUFFLER/SILENCER: CRITICAL TYPE SIZED AS RECOMMENDED BY THE MANUFACTURER AND AS REQUIRED BY THE CODE WITH MINIMUM ATTENUATION 85 dB AT 500 Hz 10 FEET FROM FROM THE EXHAUST DISCHARGE.
    - STARTING SYSTEM: 12 VOLTS ELECTRIC WITH NEGATIVE GROUND, COMPLETE WITH BATTERY AND CHARGER, HEAVY DUTY CRANKING MOTOR, CRANKING CYCLE AS REQUIRED BY NFPA 110. PROVIDE HEATER FOR BATTERY AS REQUIRED FOR PROPER OPERATION AT TEMPERATURE BELOW 32°F.
  - CONTROL AND MONITORING - PROVIDE ENGINE MOUNTED CONTROL CABINET TO MONITOR AND CONTROL ENGINE GENERATOR, DURING TEST RUNS AND EMERGENCY POWER OPERATIONS WITH CONTINUOUS REPORTING ON A REMOTE MONITORING SYSTEM SUPPLIED WITH THE GENERATOR.

- AUTOMATIC STARTING SYSTEM TO START AND STOP GENERATOR FOR TEST RUN ON SET FREQUENCY.
  - MONITOR ENGINE RUN TIME, SPEED, LUBRICATING OIL PRESSURE ENGINE TEMPERATURE, COOLANT TEMPERATURE, FUEL TANK LEVELS DAY TANK STATUS, ENGINE ALARM AND SHUT DOWN SAFETIES.
  - MONITOR GENERATOR VOLTAGE, LOAD CURRENT, FREQUENCY, BATTERY CHARGER STATUS AND MALFUNCTION.
  - GENERATOR OVER CURRENT CIRCUIT BREAKER TO COMPLY WITH NEMA PB-1 AND UL 489, 100% RATED FOR CONTINUOUS CURRENT, WITH SHUNT TRIP DEVICE FOR REMOTE OPERATION.
  - REMOTE MONITORING SHALL INCLUDE OVER CRANK SHUT DOWN, COOLANT LOW TEMPERATURE, CONTROL SWITCH NOT IN AUTO POSITION, BATTERY CHARGER MALFUNCTION, BATTERY LOW VOLTAGE, AND GENERATOR EMERGENCY STOP.
  - AUTOMATIC TRANSFER SWITCH (ATS): TO BE MOUNTED REMOTE FROM THE GENERATOR IN THE ELECTRICAL ROOM. PROVIDE OPEN TRANSITION THREE PHASE 208V, 225A, 60 Hz, IN NEMA 1 ENCLOSURE. COMPLY WITH NEMA ICS 1, NFPA 70, NFPA 110 ADD UL 1008 AS A MINIMUM. COORDINATE THE WIRING LUG SIZES WITH THE DRAWINGS. PROVIDE FOR REMOTE MONITORING AND OPERATION, MANUAL AND AUTOMATIC TRANSFER SWITCH.
  - AUTOMATIC TRANSFER FEATURES SHALL INCLUDE UNDER VOLTAGE SENSING AT EACH PHASE WITH FACTORY SET PICK UP AND DROP OUT FOR FREQUENCY AND VOLTAGE. ADJUSTABLE TIME DELAY FOR RETRANSFER TO NORMAL SOURCE, TEST SWITCH TO SIMULATE NORMAL SOURCE FAILURE, MANUAL / AUTO SWITCH POSITION INDICATE.
- PART 3 - INSTALLATION**
- INSTALLATION OF THE GENERATOR, THE TRANSFER SWITCH AND CONTROLS SHALL COMPLY WITH THE MANUFACTURERS' REQUIREMENTS. PROVIDE BONDING CONDUCTOR BETWEEN THE THE GENERATOR GROUND SYSTEM AND THE SERVICE GROUND.
  - CONCRETE BASES; MINIMUM 4" THICK REINFORCED WITH CHAMFERED EDGES WITH MINIMUM EXTENSION BEYOND THE GENERATOR ENCLOSURE OF 18"
  - FASTEN THE THE GENERATOR ASSEMBLY TO THE CONCRETE PAD AS REQUIRED BY THE INSTRUCTIONS FROM THE GENERATOR MANUFACTURER.
  - MAKE CONNECTIONS TO THE GENERATOR FOR POWER AND CONTROLS AS REQUIRED BY THE MANUFACTURER'S INSTRUCTION.
  - COORDINATE WITH THE OWNER'S REPRESENTATIVE FOR CONNECTIONS TO THE EXISTING SCADA SYSTEM. PROVIDE ALL WIRING REQUIRED FOR CONNECTIONS FROM THE GENERATOR CONTROL PANEL, AND THE AUTO TRANSFER SWITCH TO THE EXISTING SCADA SYSTEM. AT MCC-R.
  - ENGAGE THE SERVICES OF THE MANUFACTURER'S REPRESENTATIVE TO CHECK AND APPROVE THE INSTALLATION PRIOR TO START UP. CHECK FOR PHYSICAL DAMAGE PROPER INSTALLATION AND CONNECTIONS, AND THE INTEGRITY OF BARRIERS COVERS AND SAFETY FEATURES. VERIFY SIGNALS ARE PROPERLY PLACED.
  - SIMULATE POWER FAILURES OF NORMAL SOURCE TO THE TRANSFER SWITCH, LOSS OF PHASE TO GROUND FOR EACH PHASE, VERIFY TIME DELAY SETTINGS, VERIFY DROP OUT AND PICK UP SETTINGS, TEST AUTOMATIC TRANSFER SWITCH FOR LOAD AND NO LOAD OPERATIONS. VERIFY THE PROPER SEQUENCE AND CORRECT TIMING OF AUTOMATIC ENGINE STARTING TRANSFER TIME DELAY, RETRANSFER TIME DELAY ON RESTORATION OF NORMAL POWER AND ENGINE COOL DOWN AND SHUTDOWN.
  - DEMONSTRATE THE OPERATION OF THE ENGINE TO THE OWNERS OPERATOR AND PROVIDE 4 HOURS TRAINING IN THE PROPER OPERATION AND SPECIAL FEATURES OF STANDBY GENERATOR.

**REVISIONS**

NO.	DESCRIPTION	DATE



**ELECTRICAL RISER DIAGRAMS AND NOTES**  
**DEKALB COUNTY FIRE STATION**  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



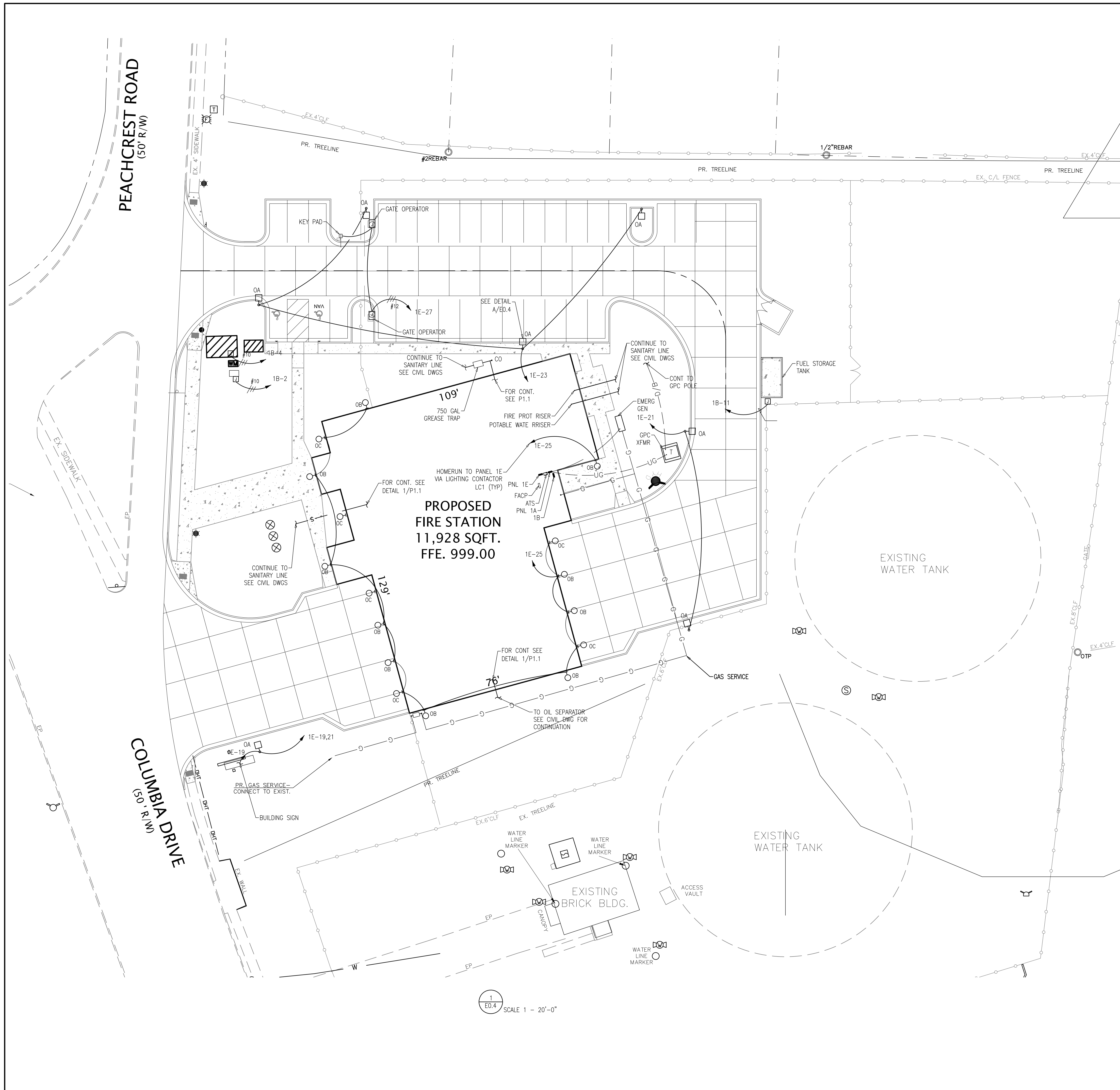
**BROWN DESIGN GROUP**  
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 3039 WASHINGTON ROAD, EAST POINT, GA 30344  
 (770) 404-5599 • (770) 404-7610 • (770) 404-5599 • (770) 404-7610

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**E0.3**

FOR CONSTRUCTION



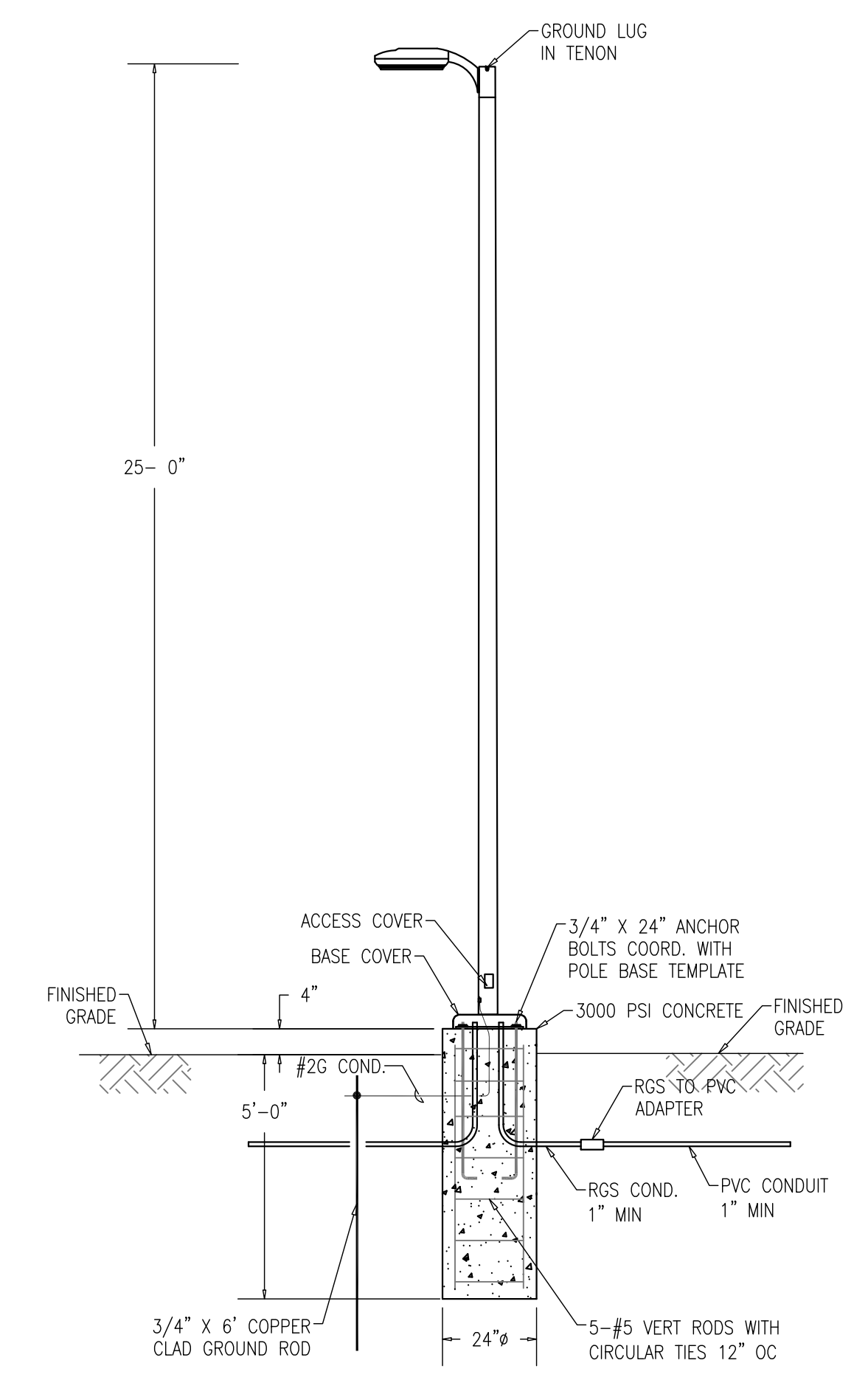


**SITE LEGEND**

- P — OVERHEAD PRIMARY OR SECONDARY POWER LINE
- T — OVERHEAD TELEPHONE LINE
- PT — OVERHEAD POWER AND TELEPHONE LINE
- - - P - - UNDERGROUND PRIMARY OR SECONDARY POWER RACEWAY AND CONDUCTOR UTILITY POWER MIN 42" BELOW FINISHED GRADE, CUSTOMER POWER MIN 24" BELOW FINISHED GRADE.
- - - T - - UNDERGROUND TELEPHONE RACEWAY WITH PULL WIRE UNLESS OTHERWISE NOTED.
- - - CE - - CONCRETE ENCASED RACEWAY'S CONDUCTORS IN DUCT BANK, MIN DEPTH 18" BELOW FINISHED GRADE.
- - - B/S - - DIRECT BURIED PRIMARY OR SECONDARY CONDUCTORS. PRIMARY CONDUCTORS -42" BELOW FINISHED GRADE. SECONDARY CONDUCTORS -30" BELOW FINISHED GRADE.
- - - UG - - UNDERGROUND POWER AND TELEPHONE CONDUCTORS IN RACEWAY AS PER DETAIL IN PLANS.
- MH MANHOLE FOR SITE POWER OR CONTROL DISTRIBUTION SYSTEM
- HH HAND HOLE FOR SITE POWER OR CONTROL DISTRIBUTION SYSTEM
- PB PULL BOX FOR SITE POWER OR CONTROL DISTRIBUTION SYSTEM
- ⊙ UTILITY POWER POLE
- ☐ SINGLE FIXTURE POLE MOUNTED LIGHT. SEE LIGHTING FIXTURE SCHEDULE AND DETAIL AS REQUIRED
- ☐☐ DOUBLE FIXTURE POLE MOUNTED LIGHT. SEE LIGHTING FIXTURE SCHEDULE AND DETAIL AS REQUIRED
- ⊕ BOLLARD LIGHT FIXTURE
- ⊖ ELECTRIC UTILITY METER
- ⊞ UTILITY TRANSFORMER

**LIGHTING FIXTURE SCHEDULE**

TYP	DESCRIPTION	MANUFACTURER/CATALOG #	LAMP/WATTS	REMARKS
OA	POLE MOUNTED 80,000 LUMEN LED, DIE CAST ALUMINUM WITH IES TYPE 4 DISTRIBUTION ON TOP 25 FOOT SQUARE STRAIGHT POLE CAPABLE OF WITHSTANDING 130 MPH WIND GUSTS	HUBBELL LIGHTING BEACON/ VPL-80L 180 4K7 4 UNV A DB BEACON POLE/ SSS-B 40 -A-1-B3 DB OR EQUAL	LED/1-180W	SEE DETAIL A/E04 PROVIDE LIGHT FIXTURE WITH INTEGRAL PHOTO SWITCH
OB	WALL MOUNTED LED, 5857 LUMENS DIE CAST AREA LIGHT FIXTURE WITH IES TYPE III LIGHT DISTRIBUTION AND INTEGRAL BUTTON PHOTO SWITCH	HUBBELL LITEPAK/ LNC3 24L 4K 075 3 U DB PCU	LED/1-75W	MH=12'-0" COORD WITH ARCH DWGS FOR ELEVATIONS AND DETAILS. PROVIDE LIGHT FIXTURE WITH INTEGRAL PHOTO SWITCH
OB	WET LOCATION WALL MOUNTED LED, 2000 LUMENS ALUMINUM COMPACT LIGHT FIXTURE WITH IES TYPE III LIGHT DISTRIBUTION AND INTEGRAL BUTTON PHOTO SWITCH	HUBBELL SLING WALLPACK/ SGI-20-PCU MVOLT DB	LED/1-20W	MH=12'-0" COORD WITH ARCH DWGS FOR ELEVATIONS AND DETAILS. PROVIDE LIGHT FIXTURE WITH INTEGRAL PHOTO SWITCH



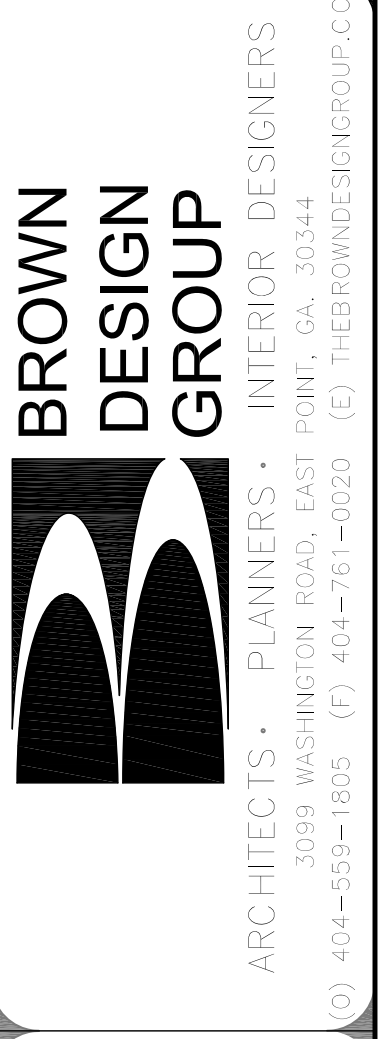
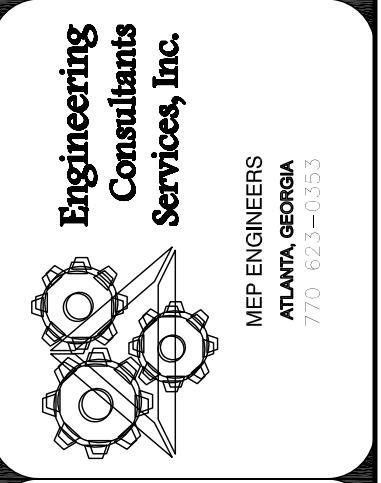
**PARKING LOT LED POLE LIGHT**  
A E0.4 NTS

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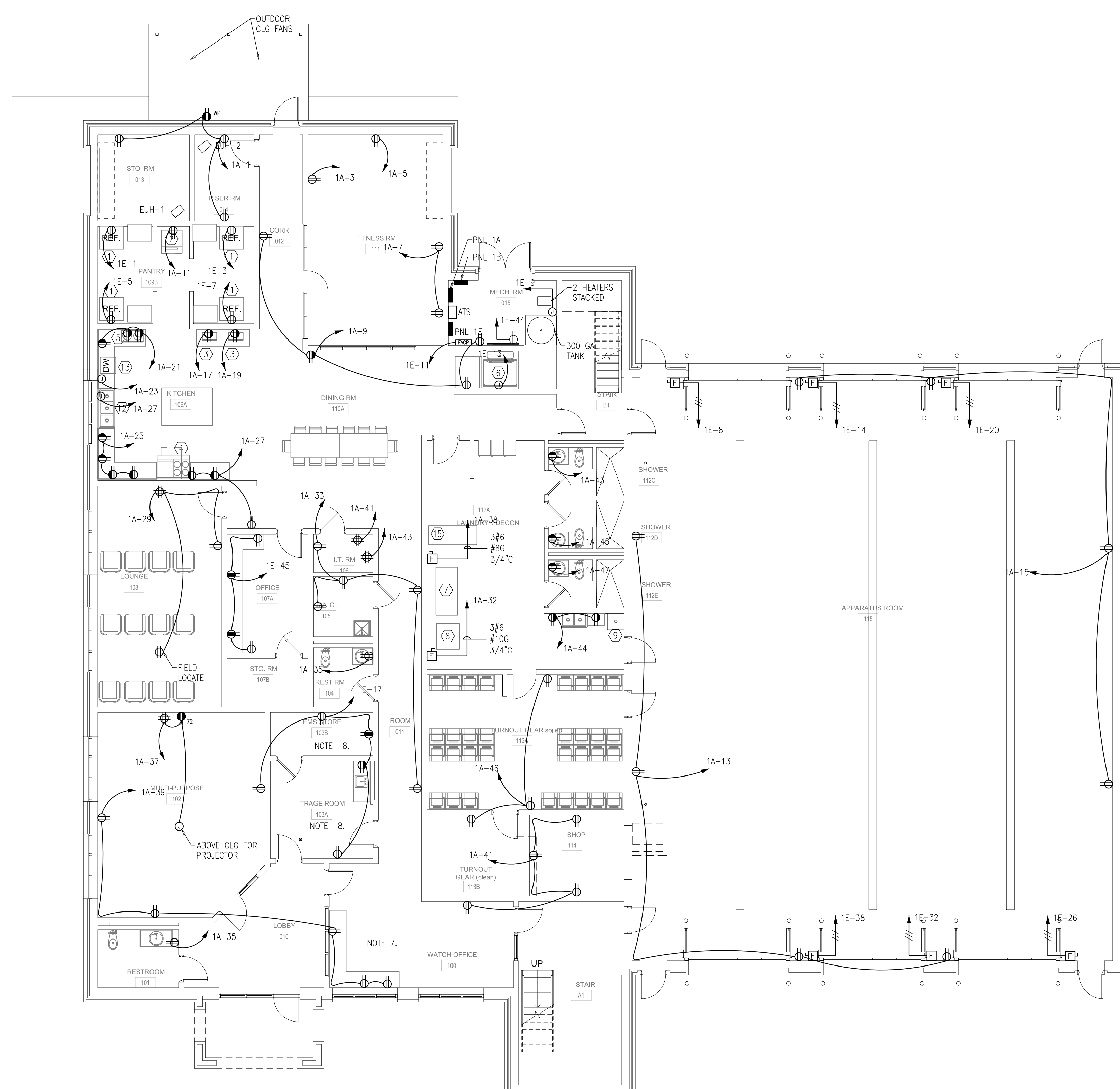
ELECTRICAL POWER AND SITE LIGHTING PLAN  
**DEKALB COUNTY FIRE STATION**  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



**FOR CONSTRUCTION**  
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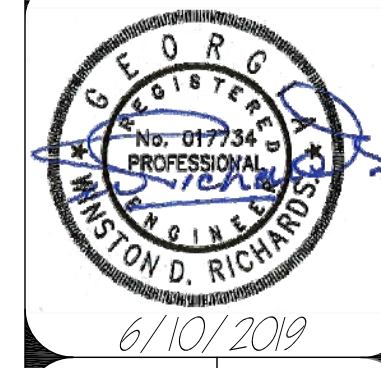


1 FIRST FLOOR ELECTRICAL POWER PLAN  
 E1.1 SCALE 1/8" = 1'-0"

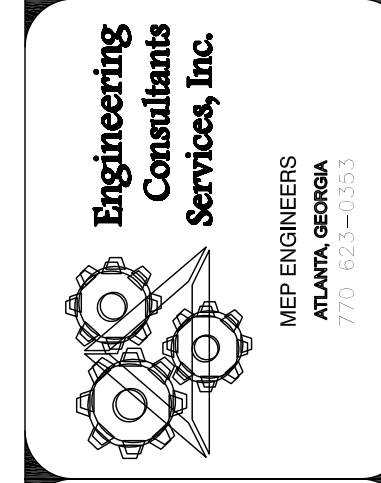
**POWER NOTES:**

- BATHROOM EXHAUST FANS SHALL BE CONNECTED TO THE SWITCHED CONDUCTOR OF THE ROOM LIGHT CIRCUIT UNLESS NOTED OTHERWISE.
- PROVIDE FUSES AND DISCONNECT FOR MECHANICAL EQUIPMENT AS REQUIRED BY THE EQUIPMENT MANUFACTURERS.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF WIRING DEVICES WITH THE ARCHITECTURAL DRAWINGS. MAINTAIN ACCESS AND CLEARANCES AS REQUIRED BY THE NEC.
- PROVIDE JUNCTION BOX (JB) ABOVE CEILING WITH RACEWAY (3/4") BACK TO TELEPHONE TERMINAL CABINET (TTC) AT SERVICE POINT. PROVIDE RACEWAY UP TO CEILING FROM EACH TELEPHONE OUTLET BOX WITH CAT 5 CABLE FROM OUTLET BACK TO JB ABOVE CEILING.
- DISCONNECT SWITCH FOR THE EXHAUST FAN IS PROVIDED AS AN INTEGRAL PART OF THE FAN ASSEMBLY.
- PROVIDE DUCT DETECTORS IN THE AIR RETURN DUCT FOR THE RTU AS REQUIRED BY THE CODE. CONNECT DUCT DETECTOR TO SHUT OFF RTU WHEN ACTIVATED. INTERFACE WITH THE FIRE ALARM MONITORING PANEL AS REQUIRED BY THE CODE.
- FIELD COORDINATE LOCATION OF RECEPTACLES AND JUNCTION BOXES FOR STATION AND OFFICE EQUIPMENT WITH THE OWNERS REPRESENTATIVE OR THE SHOP DRAWINGS PRIOR TO ROUGH IN.
- PROVIDE INSULATED GROUND CONDUCTOR IN ALL RACEWAYS AS REQUIRED BY THE ELECTRICAL LEGEND. ALL WIRING IN PATIENT CARE AREAS SHALL BE INSTALLED IN METAL RACEWAYS (EMT). GROUNDING FOR RECEPTACLES AS REQUIRED BY 2014 NEC 517.13 (A) & (B) PROVIDE HOSPITAL GRADE RECEPTACLES FOR ALL PATIENT CARE AREAS.

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FIRST FLOOR ELECTRICAL POWER PLAN AND NOTES  
 DEKALB COUNTY FIRE STATION No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



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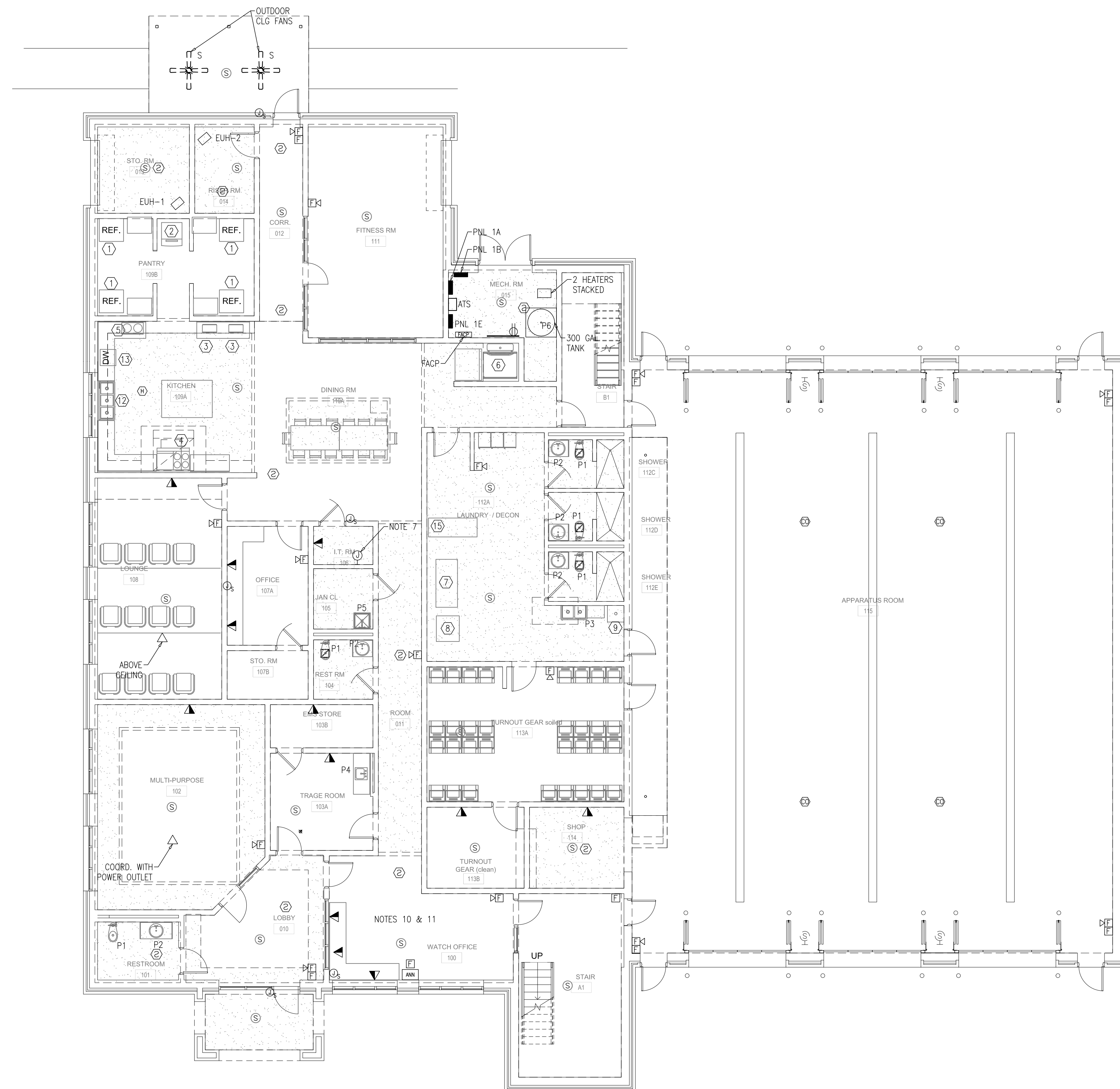
SHEET  
**E1.1**

FOR CONSTRUCTION









1 FIRST FLOOR ELECTRICAL SYSTEMS PLAN  
E1.3 SCALE 1/8" = 1'-0"

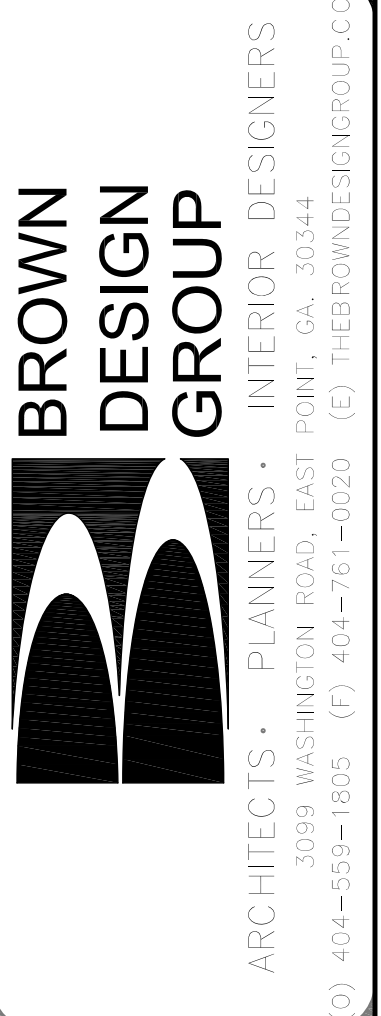
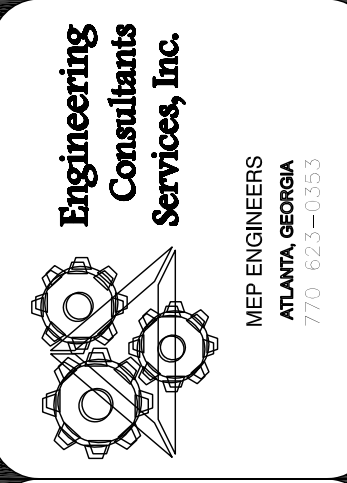
**SHEET NOTES**

1. FIRE ALARM DEVICES & EQUIPMENT SHOWN ON THIS DRAWING IS FOR INFORMATION ONLY AND NOT FOR PERMIT.
2. PROVIDE WIRING FOR FIRE ALARM SYSTEM AS REQUIRED BY THE CODE. MAKE INTERFACE CONNECTIONS TO THE FIRE ALARM PANEL FROM THE HOOD FIRE PROTECTION PANEL AND THE FIRE PROTECTION MONITORING PANEL AS REQUIRED.
3. PROVIDE CARBON MONOXIDE DETECTORS IN APPARATUS ROOM AT ELEVATION RECOMMENDED BY THE MANUFACTURER WIRED TO THE FIRE ALARM PANEL. SEE DETAIL A/E0.2
4. INTER-CONNECT EF-1 WITH DOOR OPEN CONTROLS TO THE SOUTH END OF THE STATION AND EF-2 WITH DOOR OPEN CONTROLS AT THE NORTH END OF THE STATION. SEE DETAIL A/E0.2
5. PROVIDE JUNCTION BOX (JB) ABOVE CEILING WITH RACEWAY (1" C) BACK TO TELEPHONE TERMINAL BOARD (TTB) AT SERVICE POINT FROM IT ROOM. PROVIDE RACEWAY UP TO CEILING FROM EACH TELEPHONE OUTLET BOX WITH CAT 5 CABLE FROM TELEPHONE OUTLET BACK TO TTB IN ELECTRICAL ROOM COORDINATE WITH THE OWNER.
6. PROVIDE DUCT DETECTORS IN THE AIR RETURN DUCT FOR THE RTU AS REQUIRED BY THE CODE. CONNECT DUCT DETECTOR TO SHUT OFF RTU WHEN ACTIVATED. INTERFACE WITH THE FIRE ALARM MONITORING PANEL AS REQUIRED BY THE CODE. SEE SHEET E3.1
7. PROVIDE INTERFACE FOR HOOD FIRE PROTECTION SYSTEMS, BUILDING FIRE PROTECTION SYSTEM, AND ROOF TOP UNITS WITH THE FACP AS REQUIRED BY NFPA.
8. COORDINATE WITH THE OWNER COMMUNICATIONS CONTRACTOR FOR POWER REQUIREMENTS AND RACEWAYS TO ESTABLISH PUBLIC ADDRESS AND SECURITY WIRING DETAILS, INCLUDING KEY PAD, DOOR SENSORS, MOTION SENSORS AND THE LIKE. INCLUDE SCHEDULE 40 PAC RACEWAY FROM THE RADIO DESK IN WATCH ROOM TO LOCATION ON THE ROOF FOR ROOF MOUNTED ANTENNAE.
9. PROVIDE 120V DUPLEX OUTLET ON A DEDICATED CIRCUIT WIRED BACK TO THE NEAREST PANELBOARD FOR THE SECURITY CONTROL PANEL AND THE PUBLIC ADDRESS SYSTEM. COORDINATE WITH THE OWNER FOR THE NUMBER & LOCATION OF SPEAKERS
10. COORDINATE WITH DOOR HARDWARE SUPPLIER TO PROVIDE DOOR RELEASE PROVISIONS TO ALLOW EXIT DOOR TO OPEN WHEN SMOKE DETECTOR IS ACTIVATED.
11. ALL MAIN BREAKERS IN PANELBOARDS IN ELECTRICAL ROOMS MUST HAVE SHUNT TRIP DEVICE TIED INTO THE FIRE ALARM PANEL AND SHOULD BE ACTIVATED WHEN THE FIRE PROTECTION SYSTEM IS ACTIVATED.
12. THE CIRCUIT BREAKER PROVIDING POWER TO THE FIRE ALARM PANEL SHALL COLORED RED AND THE CIRCUIT BREAKER SHALL BE PROVIDED WITH A LOCK ON DEVICE

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**FIRST FLOOR ELECTRICAL SYSTEMS PLAN AND NOTES**  
**DEKALB COUNTY FIRE STATION**  
 No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032

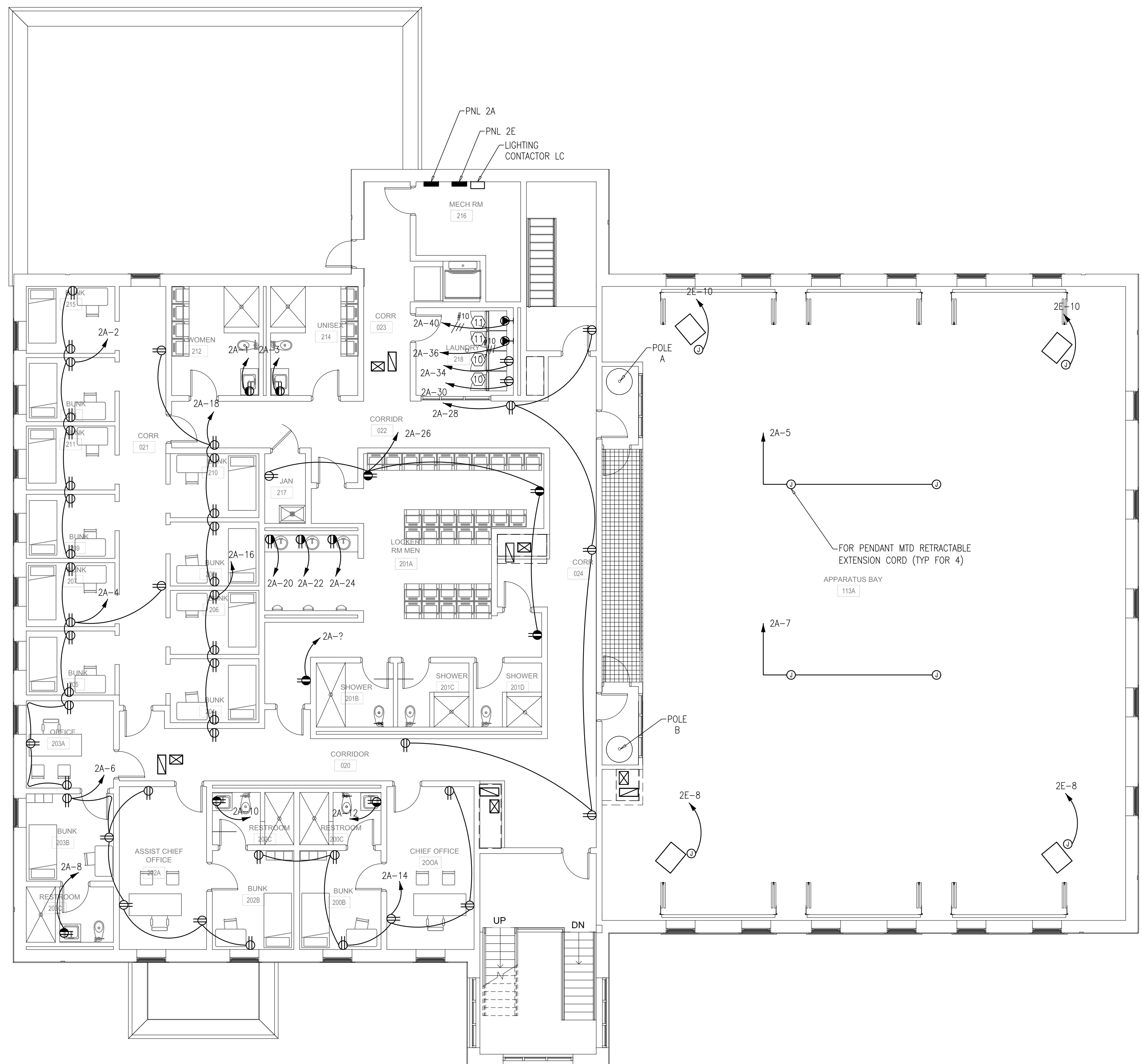


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**E1.3**

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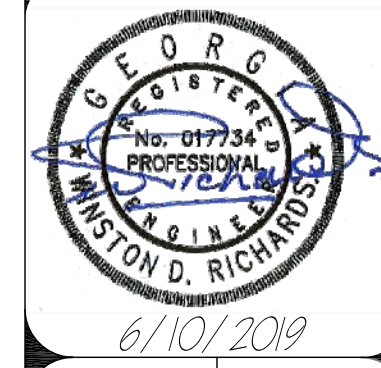


1 SECOND FLOOR ELECTRICAL POWER PLAN  
 E2.1 SCALE 1/8" = 1'-0"

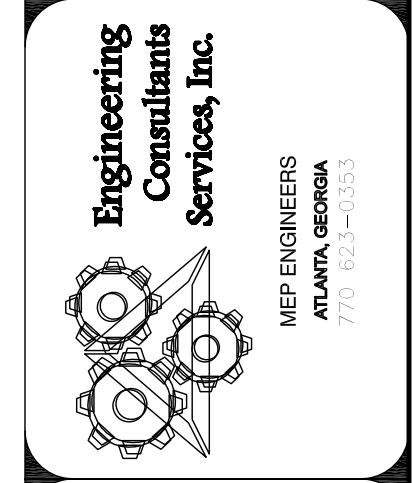
**POWER NOTES:**

- BATHROOM EXHAUST FANS SHALL BE CONNECTED TO THE SWITCHED CONDUCTOR OF THE ROOM LIGHT CIRCUIT UNLESS NOTED OTHERWISE.
- PROVIDE FUSES AND DISCONNECT FOR MECHANICAL EQUIPMENT AS REQUIRED BY THE EQUIPMENT MANUFACTURERS.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF WIRING DEVICES WITH THE ARCHITECTURAL DRAWINGS. MAINTAIN ACCESS AND CLEARANCES AS REQUIRED BY THE NEC.
- DISCONNECT SWITCH FOR THE EXHAUST FAN IS PROVIDED AS AN INTEGRAL PART OF THE FAN ASSEMBLY.
- PROVIDE JUNCTION BOX FIXED AS STRUCTURE WITH SUPPORT FOR PENDANT MOUNTED RETRACTABLE POWER EXTENSION CORD MOUNTED AT 18 FEET AFF. FIELD COORDINATE WITH THE OWNER.

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SECOND FLOOR ELECTRICAL POWER PLAN AND NOTES  
 DEKALB COUNTY FIRE STATION No. 7  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



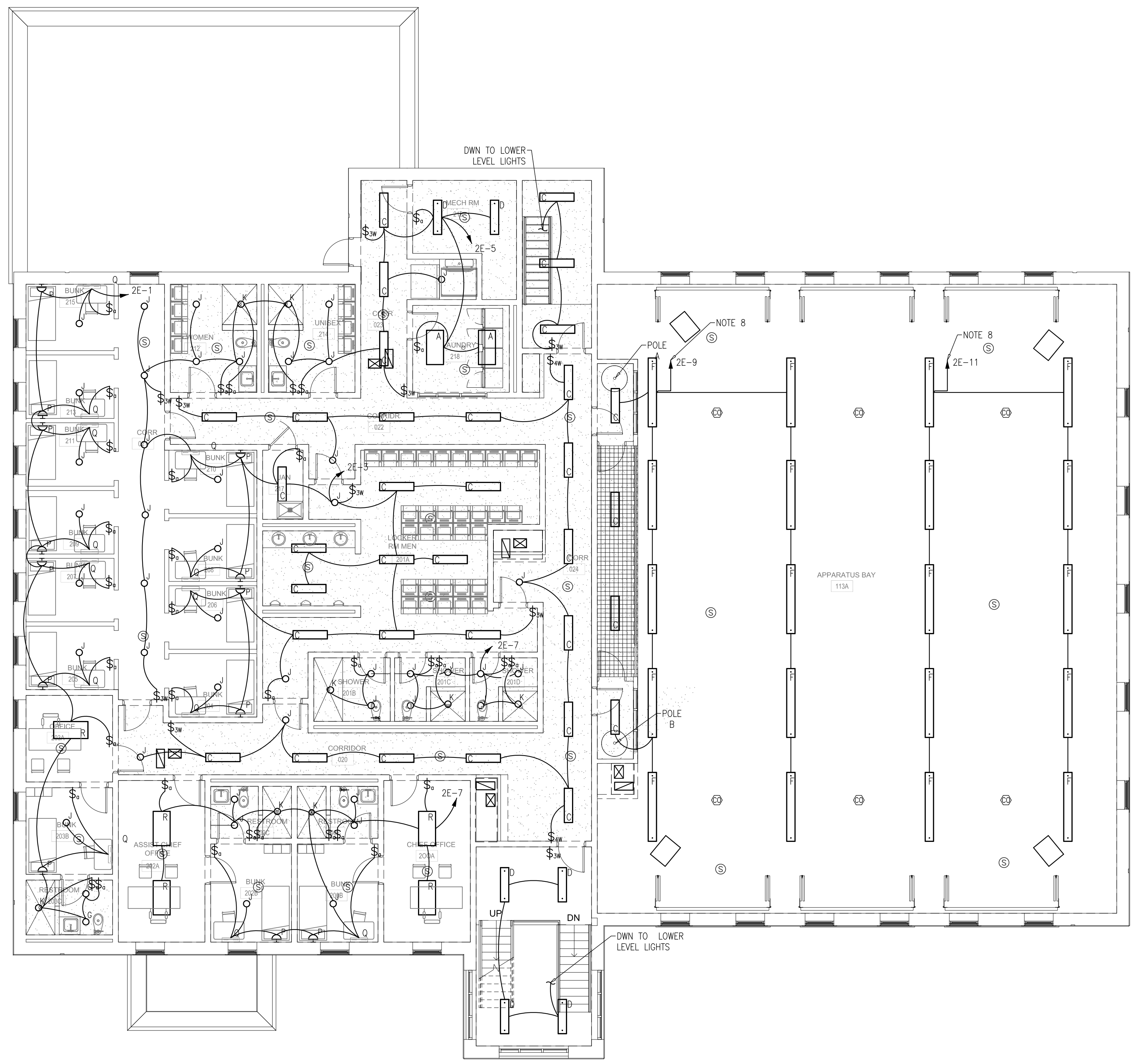
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**E2.1**

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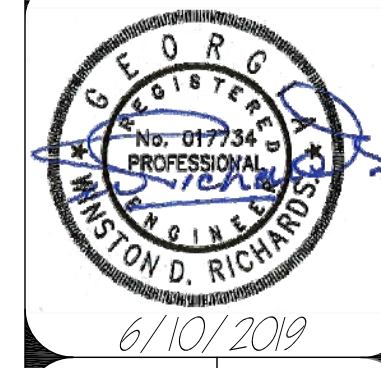


1 SECOND FLOOR ELECTRICAL LIGHTING PLAN  
 E2.2 SCALE 1/8" = 1'-0"

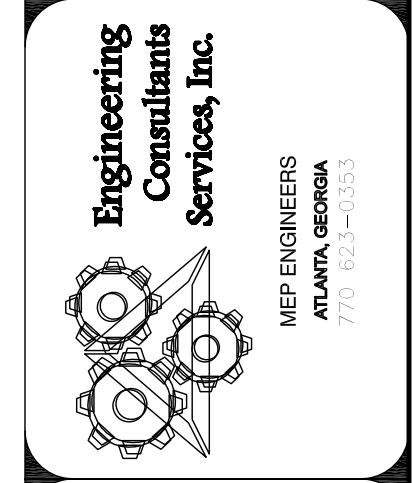
**LIGHTING NOTES**

1. PROVIDE WIRING FOR SINGLE POLE THREE-WAY AND FOUR-WAY SWITCHES AS MAY BE REQUIRED FOR COMPLETE ELECTRICAL CIRCUITS. A SWITCH FOR LIGHTS IN A CONFINED SPACE IS DEDICATED TO THE LIGHTS IN THAT SPACE UNLESS OTHERWISE NOTED.
2. EXIT AND EMERGENCY LIGHTS SHALL BE CONNECTED TO UNSWITCHED CONDUCTOR OF LIGHTING CIRCUIT FOR THE SPACE.
3. EXIT AND EMERGENCY LIGHTS INSTALLED IN ACCORDANCE WITH THE AMERICAN DISABILITIES ACT.
4. INSTALL LIGHT SWITCHES 44" ABOVE FINISHED FLOOR ( MIN) AND 4" FROM THE DOOR JAMB ON LOCKED SIDE, UNLESS OTHERWISE NOTED. MULTIPLE SWITCHES SHOWN IN THE SAME LOCATION SHALL BE INSTALLED IN MULTIPLE GANG COVER PLATES.
5. TO AVOID CONFLICT FINAL LOCATION FOR LIGHT FIXTURE AND LIGHT SWITCHES SHALL BE COORDINATED IN THE FIELD WITH THE ARCHITECTURAL AND MECHANICAL DRAWINGS PRIOR TO ROUGH IN.
6. ALL LIGHTING WILL BE CONNECTED TO THE EMERGENCY POWER PANEL.
7. PROVIDE RECESSED TRIM FOR ALL RECESSED MOUNTED LIGHTS IN HARD CEILING.
8. HOME RUN TO PNL 2E VIA LIGHTING CONTACTOR "LC" IN ELECTRICAL ROOM. LOCATE LIGHTING CONTACTOR CONTROL SWITCH IN THE WATCH ROOM.

REVISIONS		
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SECOND FLOOR ELECTRICAL LIGHTING PLAN AND NOTES  
 DEKALB COUNTY FIRE STATION  
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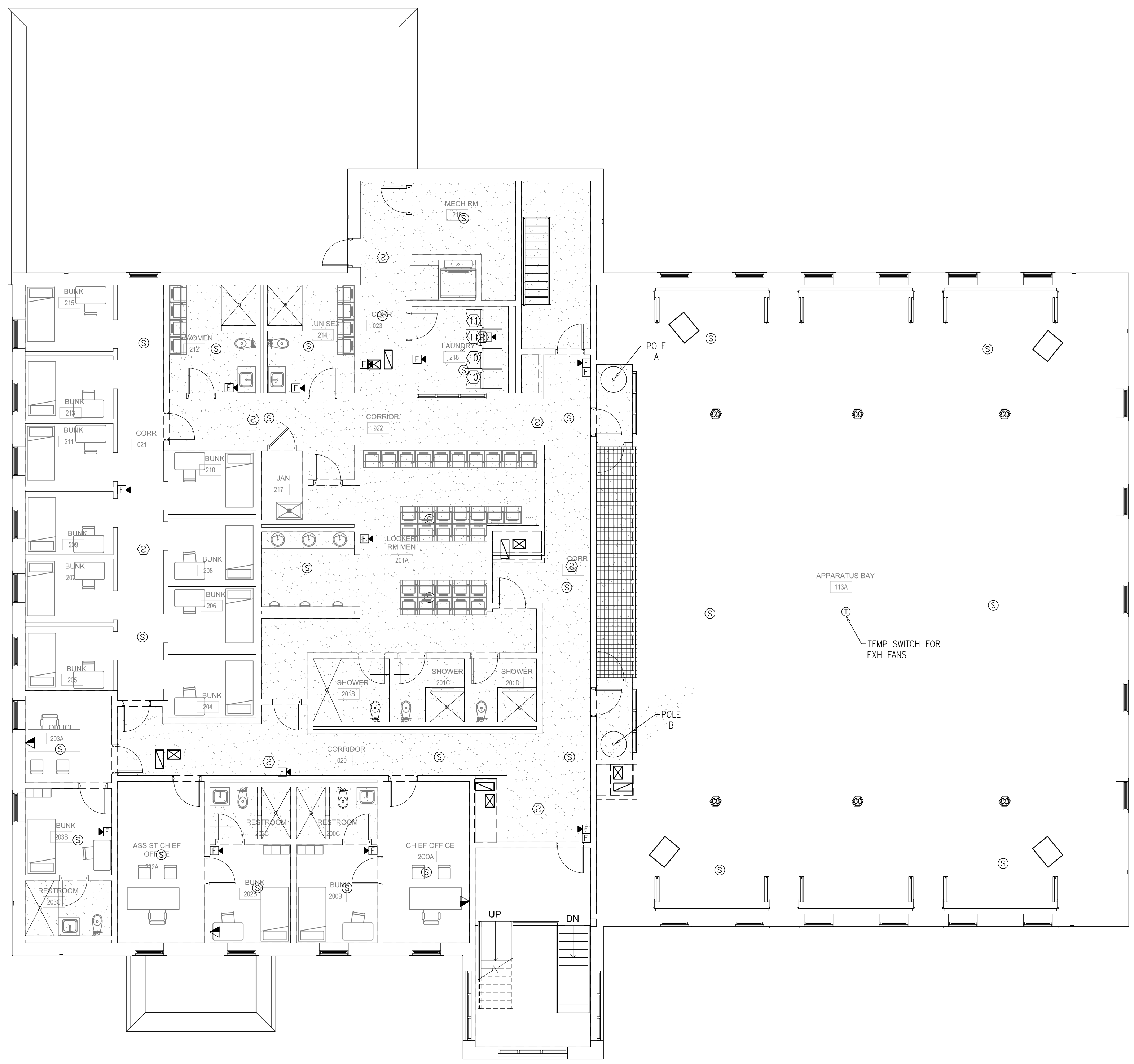
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1  
E2.3  
SCALE 1/8" = 1'-0"

**SHEET NOTES**

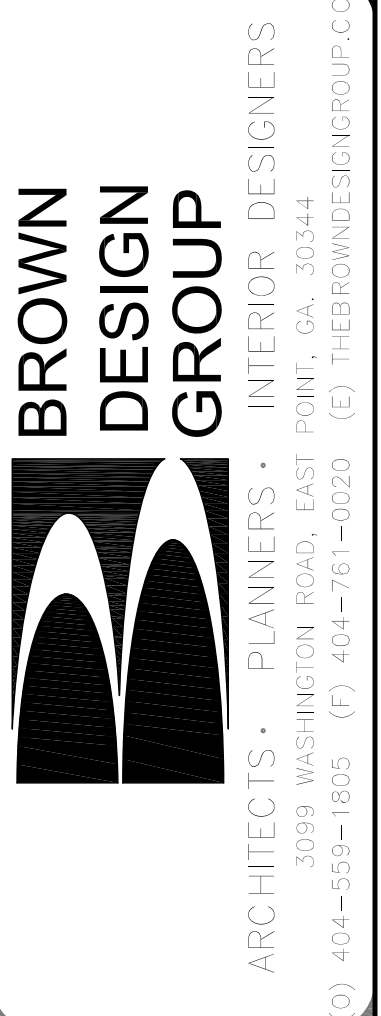
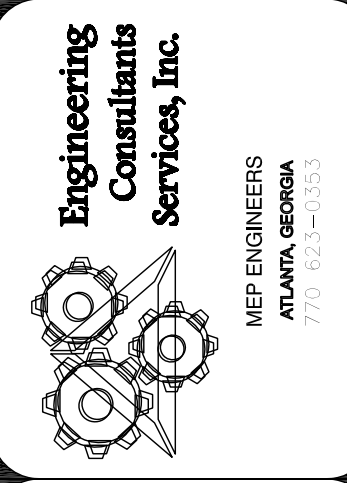
1. FIRE ALARM DEVICES & EQUIPMENT SHOWN ON THIS DRAWING IS FOR INFORMATION ONLY AND NOT FOR PERMIT.
2. PROVIDE INTERFACE FOR HOOD FIRE PROTECTION SYSTEMS, BUILDING FIRE PROTECTION SYSTEM, ELEVATOR AND ROOF TOP UNITS WITH THE FACP AS REQUIRED BY NFPA.
5. PROVIDE CARBON MONOXIDE DETECTORS IN APPARATUS ROOM AT ELEVATION RECOMMENDED BY THE MANUFACTURER WIRED TO THE FIRE ALARM PANEL. SEE DETAIL A/E0.2
6. INTER-CONNECT EF-1 WITH DOOR OPEN CONTROLS TO THE SOUTH END OF THE STATION AND EF-2 WITH DOOR OPEN CONTROLS AT THE NORTH END OF THE STATION. SEE DETAIL A/E0.2
10. COORDINATE WITH THE OWNER COMMUNICATIONS CONTRACTOR FOR POWER REQUIREMENTS AND RACEWAYS TO ESTABLISH PUBLIC ADDRESS AND SECURITY WIRING DETAILS, INCLUDING KEY PAD, DOOR SENSORS, MOTION SENSORS AND THE LIKE. INCLUDE SCHEDULE 40 PVC RACEWAY FROM THE RADIO DESK IN WATCH ROOM TO LOCATION ON THE ROOF FOR ROOF MOUNTED ANTENNAE.
11. COORDINATE WITH DOOR HARDWARE SUPPLIER TO PROVIDE DOOR RELEASE PROVISIONS TO ALLOW EXIT DOOR TO OPEN WHEN SMOKE DETECTOR IS ACTIVATED.
12. ALL MAIN BREAKERS IN PANELBOARDS IN ELECTRICAL ROOMS MUST HAVE SHUNT TRIP DEVICE TIED INTO THE FIRE ALARM PANEL AND SHOULD BE ACTIVATED WHEN THE FIRE PROTECTION SYSTEM IS ACTIVATED.
13. THE CIRCUIT BREAKER PROVIDING POWER TO THE FIRE ALARM PANEL SHALL COLORED RED AND THE CIRCUIT BREAKER SHALL BE PROVIDED WITH A LOCK ON DEVICE

REVISIONS		
NO.	DESCRIPTION	DATE



6/10/2019

**SECOND FLOOR ELECTRICAL SYSTEMS PLAN AND NOTES**  
**DEKALB COUNTY FIRE STATION**  
**No. 7**  
 1712 COLUMBIA DRIVE DECATUR, GEORGIA 30032



CHECKED: WR
DRAWN: ECSI
SCALE: AS NOTED
DWG. DATE: 06/10/2019
PRINT DATE: -
JOB NO.: ECSI - 1903

SHEET  
**E2.3**

FOR CONSTRUCTION



