



COLLETON COUNTY
SOUTH CAROLINA

113 Mable T. Willis Blvd.
Walterboro, SC 29488

BID: CPST-04
PROFESSIONAL SERVICES FOR THE
SOLID WASTE TRANSFER STATION

Addendum #1

dated 11-2-2016

BIDS DUE: Tuesday, November 22, 2016 @ 11:00am

MANDATORY PRE-BID CONFERENCE:

Thursday, November 10, 2016 at 10:00am

located at the project site: 3288 Green pond Hwy, Walterboro, SC 29488

CONTRACTOR:

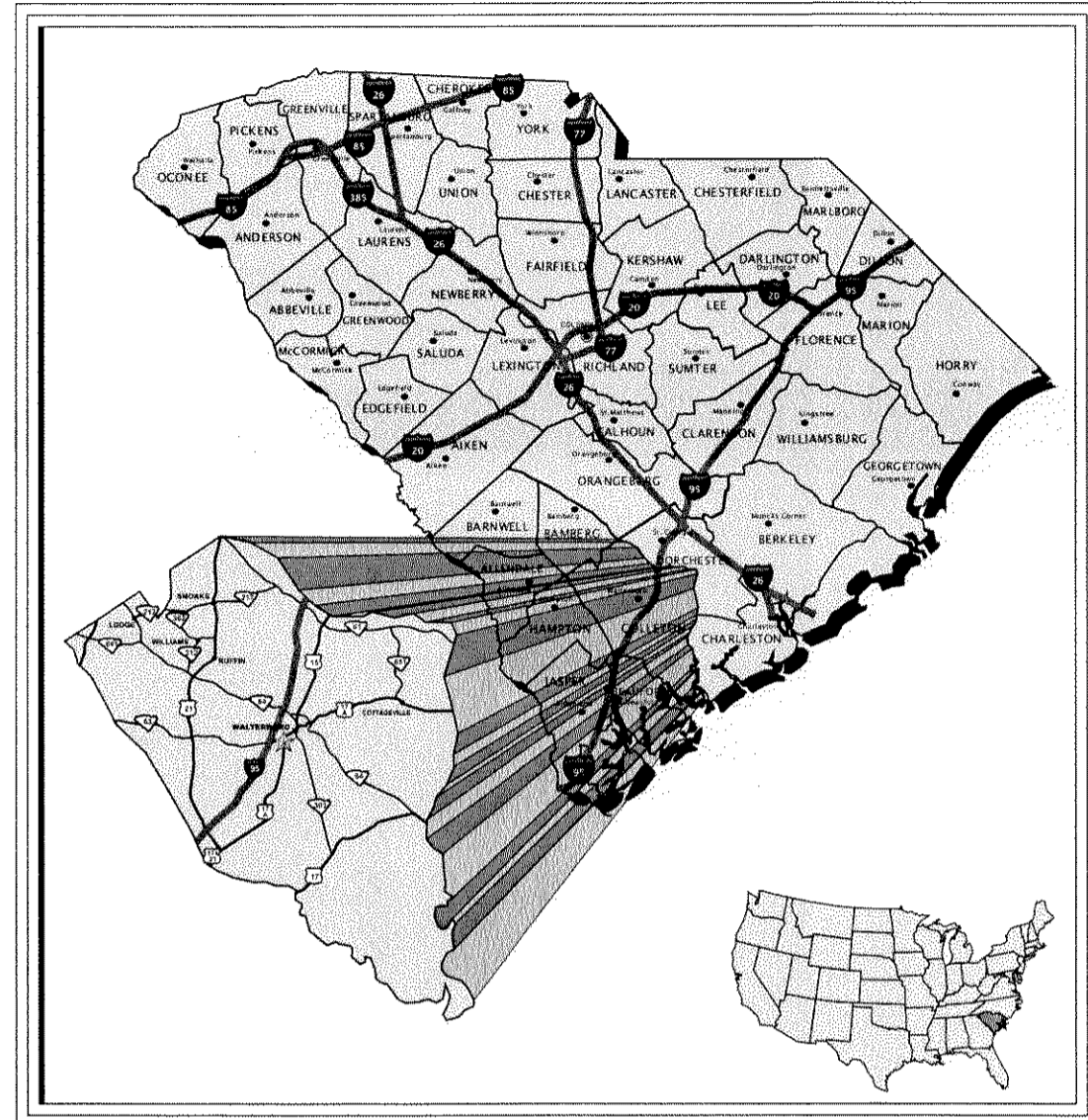
ADDRESS:

CONTRACTOR'S
LICENSE NUMBER:

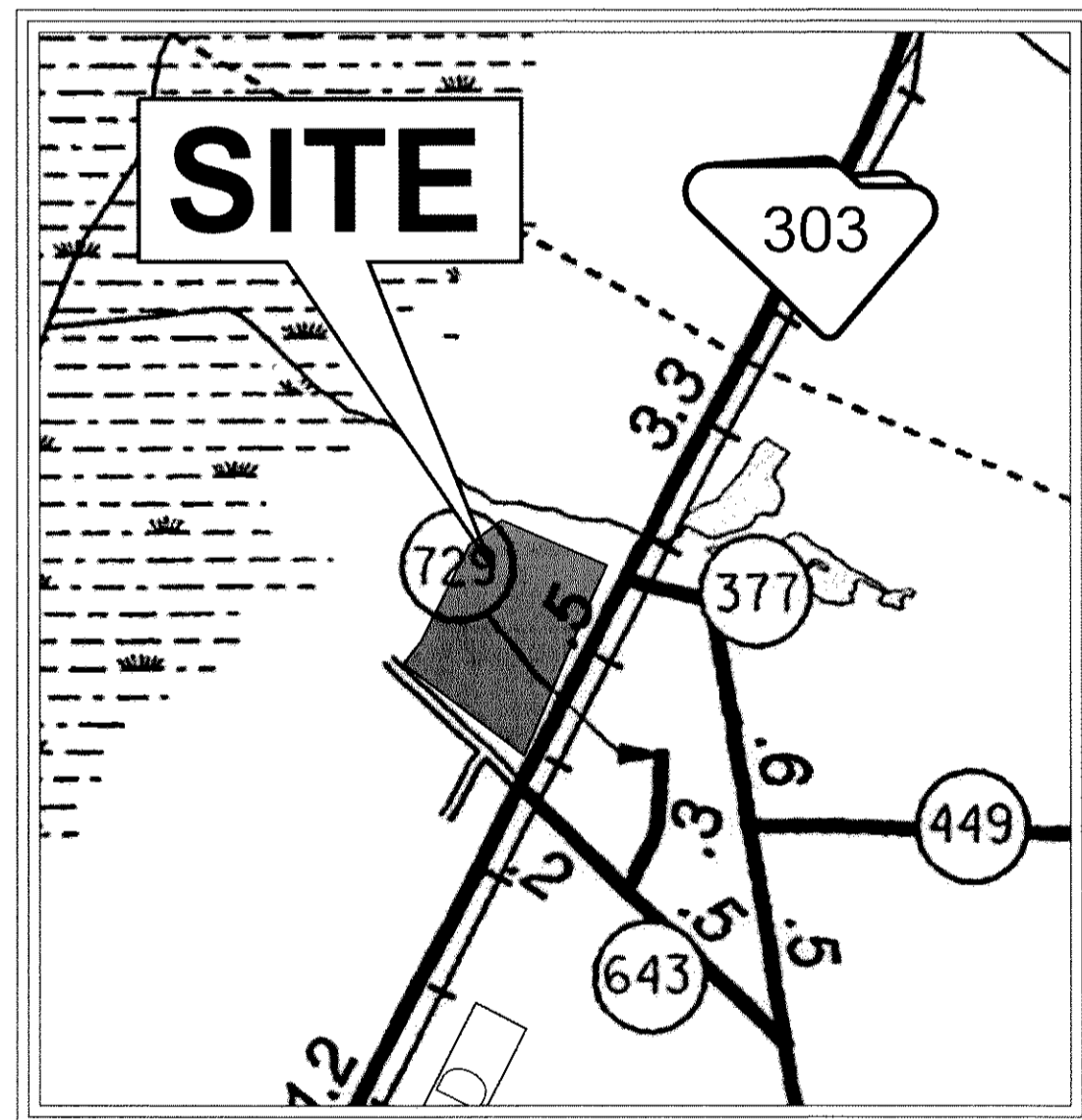


Construction Coordinator
Alliance Consulting Engineers, Inc.
Post Office Box 8147
Columbia, SC 29202-8147
(803) 779-2078 • (803) 779-2079 fax
www.allianceCE.com

PROFESSIONAL ENGINEERING SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA



VICINITY MAP
NOT TO SCALE



SITE LOCATION MAP
1" = 2000'



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DEVELOPER INFORMATION

OWNER: COLLETON COUNTY
 CONTACT: MR. JOHN T. STIEGLITZ, III
 CAPITAL PROJECTS & PURCHASING DIRECTOR
 ADDRESS: 113 MABLE T. WILLIS BOULEVARD
 CITY, STATE: WALTERBORO, SOUTH CAROLINA 29488
 TELEPHONE: (843) 539-1968
 FAX: (843) 539-1963
 EMAIL: JSTIEGLITZ@COLLETONCOUNTY.ORG

COLLETON COUNTY COUNCIL MEMBERS

MR. STEVEN D. MURDAUGH, CHAIRMAN
 MR. GENE WHETSELL
 MR. EVON ROBINSON, SR.
 MR. PHILLIP M. TAYLOR, SR.
 MR. JOSEPH F. FLOWERS

UTILITY PROVIDER CONTACTS

ELECTRICAL & NATURAL GAS PROVIDER:
 CONTACT: MR. TODD LITCHFIELD, BRANCH MANAGER
 SOUTH CAROLINA ELECTRIC & GAS (SCE&G)
 TELEPHONE: (843) 549-8612

TELECOMMUNICATIONS PROVIDER:
 CONTACT: MR. JASON DANDRIDGE, CEO
 PALMETTO RURAL TELEPHONE COOPERATIVE, INC.
 TELEPHONE: (843) 538-2020

RAILROAD INVOLVEMENT?
YES / NO

GAS TRANSMISSION
INVOLVEMENT?
YES / NO



REVISION
DATE

09/15/15

DATE

SIGNATURE

KYLE M. [Signature]



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 WASTE TRANSFER STATION
 IN
 COLLETON COUNTY,
 SOUTH CAROLINA

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LEGEND	
PL	EXISTING PROPERTY LINE
-R/W	EXISTING RIGHT-OF-WAY
-70	EXISTING CONTOUR MAJOR
-30	EXISTING CONTOUR MINOR
SD	EXISTING TREE LINE
-OHE	EXISTING STORM DRAINAGE PIPE
-OHE	EXISTING OVERHEAD ELECTRIC
GRAVEL	EXISTING GRAVEL
ASPHALT	EXISTING ASPHALT
CONCRETE	EXISTING CONCRETE
BUILDING	EXISTING BUILDING

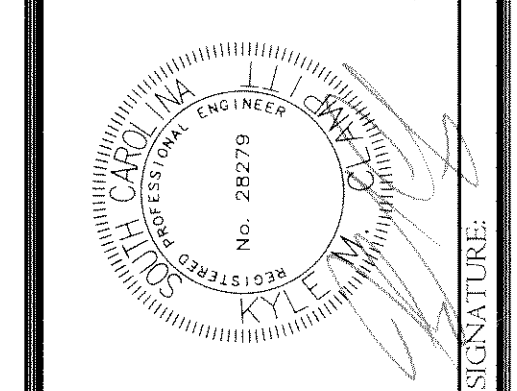
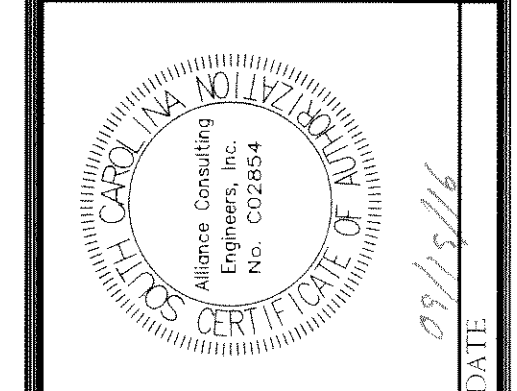
NOTES
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NOTE: UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD LOCATED PRIOR TO ANY LAND DISTURBANCE BY THE CONTRACTOR

REFERENCES
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EMAIL: JSTIEGLITZ@COLLETONCOUNTY.ORG

APPROVALS	REVISION	DATE
ENGINEER: KMG		
DRAWN BY: RSV		
CHECKED BY: RTO/EDH		
APPROVED BY: RSV		
APPROVED BY: KMG		



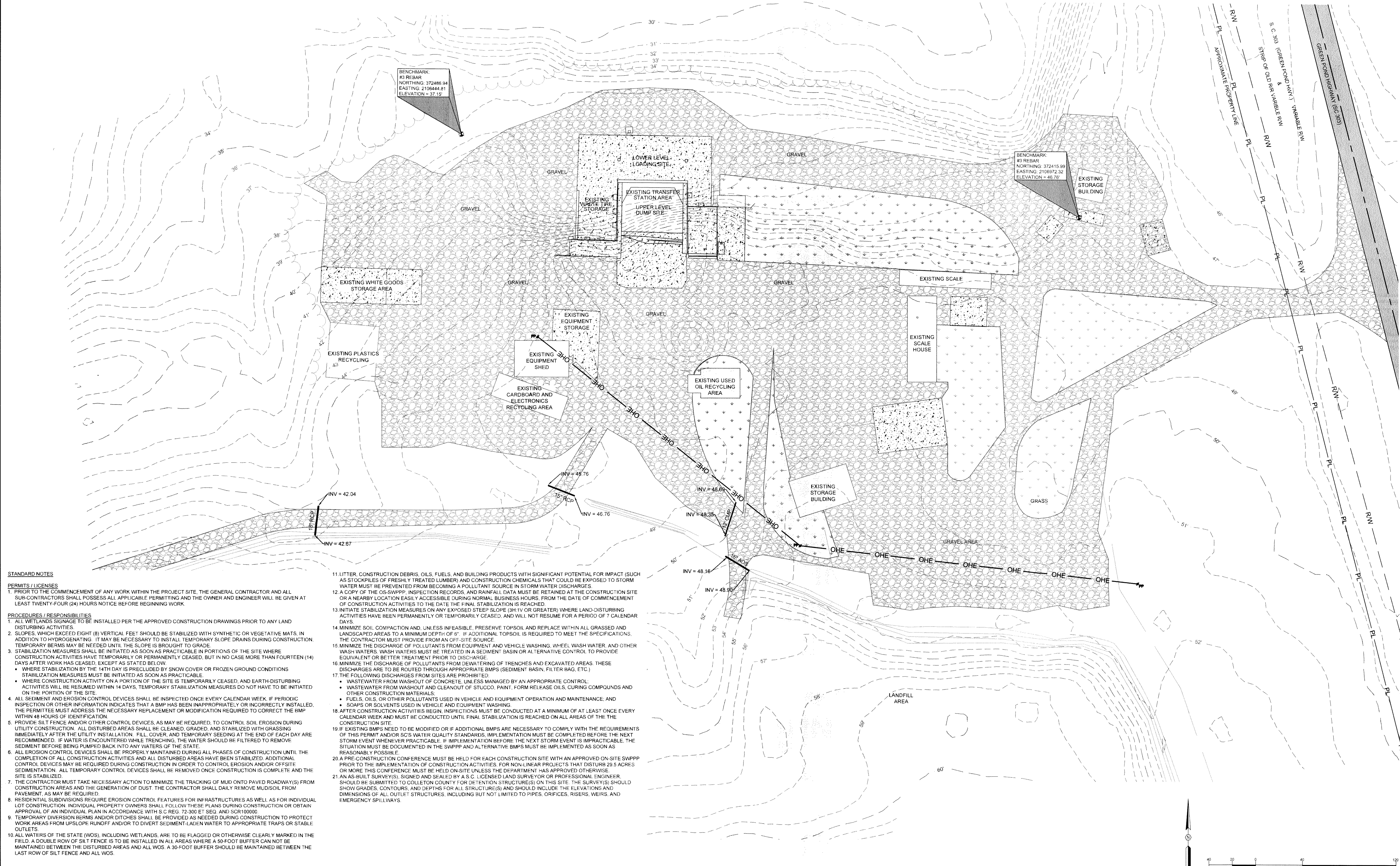
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EXISTING CONDITIONS AND GENERAL NOTES

DATE: NOVEMBER 2015 SCALE: 1" = 40'

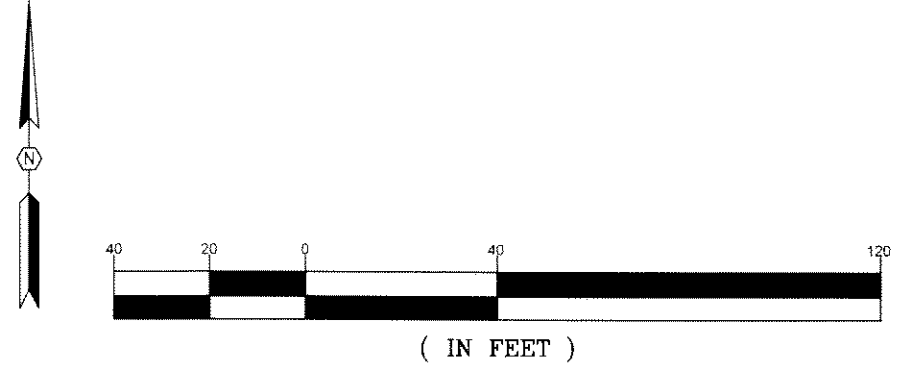
PROJECT: PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA

FILE NAME: C1.DWG
REFERENCE FILE: BASE.dwg
PROJECT NO.: 15195-0015
SHEET: C1
DWG NO. 01.967-D17



- STANDARD NOTES**
- PERMITS / LICENSES**
- PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN THE PROJECT SITE, THE GENERAL CONTRACTOR AND ALL SUB-CONTRACTORS SHALL POSSESS ALL APPLICABLE PERMITTING AND THE OWNER AND ENGINEER WILL BE GIVEN AT LEAST TWENTY-FOUR (24) HOURS NOTICE BEFORE BEGINNING WORK.
- PROCEDURES / RESPONSIBILITIES**
- ALL WETLANDS SIGNAGE TO BE INSTALLED PER THE APPROVED CONSTRUCTION DRAWINGS PRIOR TO ANY LAND DISTURBING ACTIVITIES.
 - SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH SYNTHETIC OR VEGETATIVE MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS, STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN 14 DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THE PORTION OF THE SITE.
 - ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED ONCE EVERY CALENDAR WEEK, IF PERIODIC INSPECTION OR OTHER INFORMATION INDICATES THAT A BMP HAS BEEN INAPPROPRIATELY OR INCORRECTLY INSTALLED, THE PERMITEE MUST ADDRESS THE NECESSARY REPLACEMENT OR MODIFICATION REQUIRED TO CORRECT THE BMP WITHIN 48 HOURS OF IDENTIFICATION.
 - PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION. FILL COVER AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE SEDIMENT BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
 - ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFF-SITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
 - THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAYS) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
 - RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURES AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR10000.
 - TEMPORARY DIVERSION BERMS AND/OR DITCHES SHALL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LADEN WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
 - ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN NOT BE MAINTAINED BETWEEN THE DISTURBED AREAS AND ALL WOS. A 30-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.

- LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT. SOURCE IN STORM WATER DISCHARGES.
- A COPY OF THE OS-SWPPP, INSPECTION RECORDS, AND RAINFALL DATA MUST BE RETAINED AT THE CONSTRUCTION SITE OR A NEARBY LOCATION EASILY ACCESSIBLE DURING NORMAL BUSINESS HOURS FROM THE DATE OF COMMENCEMENT OF CONSTRUCTION ACTIVITIES TO THE DATE THE FINAL STABILIZATION IS REACHED.
- INITIATE STABILIZATION MEASURES ON ANY EXPOSED STEEP SLOPE (3H:1V OR GREATER) WHERE LAND-DISTURBING ACTIVITIES HAVE BEEN PERMANENTLY OR TEMPORARILY CEASED, AND WILL NOT RESUME FOR A PERIOD OF 7 CALENDAR DAYS.
- MINIMIZE SOIL COMPACTION AND, UNLESS INFEASIBLE, PRESERVE TOPSOIL AND REPLACE WITHIN ALL GRASSED AND LANDSCAPED AREAS TO A MINIMUM DEPTH OF 6". IF ADDITIONAL TOPSOIL IS REQUIRED TO MEET THE SPECIFICATIONS, THE CONTRACTOR MUST PROVIDE FROM AN OFF-SITE SOURCE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM EQUIPMENT AND VEHICLE WASHING, WHEEL WASH WATER, AND OTHER WASH WATERS. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL TO PROVIDE EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE.
- MINIMIZE THE DISCHARGE OF POLLUTANTS FROM DEWATERING OF TRENCHES AND EXCAVATED AREAS. THESE DISCHARGES ARE TO BE ROUTED THROUGH APPROPRIATE BMPs (SEDIMENT BASIN, FILTER BAG, ETC.).
- THE FOLLOWING DISCHARGES FROM SITES ARE PROHIBITED:
 - WASTEWATER FROM WASHOUT OF CONCRETE, UNLESS MANAGED BY AN APPROPRIATE CONTROL.
 - WASTEWATER FROM WASHOUT AND CLEANOUT OF STUCCO, PAINT, FORM RELEASE OILS, CURING COMPOUNDS AND OTHER CONSTRUCTION MATERIALS.
 - FUELS, OILS, OR OTHER POLLUTANTS USED IN VEHICLE AND EQUIPMENT OPERATION AND MAINTENANCE; AND
 - SOAPS OR SOLVENTS USED IN VEHICLE AND EQUIPMENT WASHING.
- AFTER CONSTRUCTION ACTIVITIES BEGIN, INSPECTIONS MUST BE CONDUCTED AT A MINIMUM OF AT LEAST ONCE EVERY CALENDAR WEEK AND MUST BE CONDUCTED UNTIL FINAL STABILIZATION IS REACHED ON ALL AREAS OF THE CONSTRUCTION SITE.
- IF EXISTING BMPs NEED TO BE MODIFIED OR IF ADDITIONAL BMPs ARE NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT AND/OR SCS WATER QUALITY STANDARDS, IMPLEMENTATION MUST BE COMPLETED BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE. IF IMPLEMENTATION BEFORE THE NEXT STORM EVENT IS IMPRACTICABLE, THE SITUATION MUST BE DOCUMENTED IN THE SWPPP AND ALTERNATIVE BMPs MUST BE IMPLEMENTED AS SOON AS REASONABLY POSSIBLE.
- A PRE-CONSTRUCTION CONFERENCE MUST BE HELD FOR EACH CONSTRUCTION SITE WITH AN APPROVED ON-SITE SWPPP CONTROL DEVICES PRIOR TO THE IMPLEMENTATION OF CONSTRUCTION ACTIVITIES FOR NON-LINEAR PROJECTS THAT DISTURB 29.5 ACRES OR MORE. THIS CONFERENCE MUST BE HELD ON-SITE UNLESS THE DEPARTMENT HAS APPROVED OTHERWISE.
- AN AS-BUILT SURVEY(S), SIGNED AND SEALED BY A S.C. LICENSED LAND SURVEYOR OR PROFESSIONAL ENGINEER, SHOULD BE SUBMITTED TO COLLETON COUNTY FOR DETENTION STRUCTURE(S) ON THIS SITE. THE SURVEY(S) SHOULD SHOW GRADES, CONTOURS, AND DEPTHS FOR ALL STRUCTURE(S) AND SHOULD INCLUDE THE ELEVATIONS AND DIMENSIONS OF ALL OUTLET STRUCTURES, INCLUDING BUT NOT LIMITED TO PIPES, ORIFICES, RISERS, WEIRS, AND EMERGENCY SPILLWAYS.



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LEGEND	
PL	EXISTING PROPERTY LINE
RW	EXISTING RIGHT-OF-WAY
---	EXISTING CONTOUR MAJOR
---	EXISTING CONTOUR MINOR
SD	EXISTING STORM DRAINAGE PIPE
---	EXISTING GRAVEL
---	EXISTING ASPHALT
---	EXISTING CONCRETE
---	EXISTING BUILDING
X	EXISTING FENCE
---	PROPOSED DEMOLITION
---	PROPOSED LIMITS OF DISTURBANCE

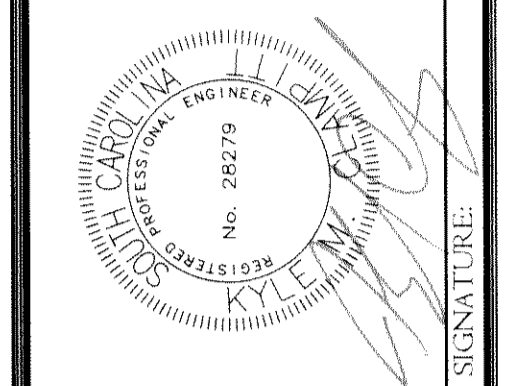
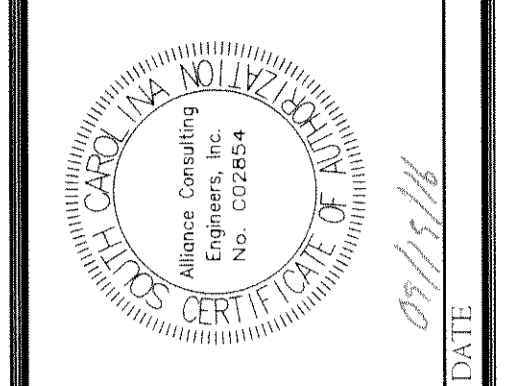
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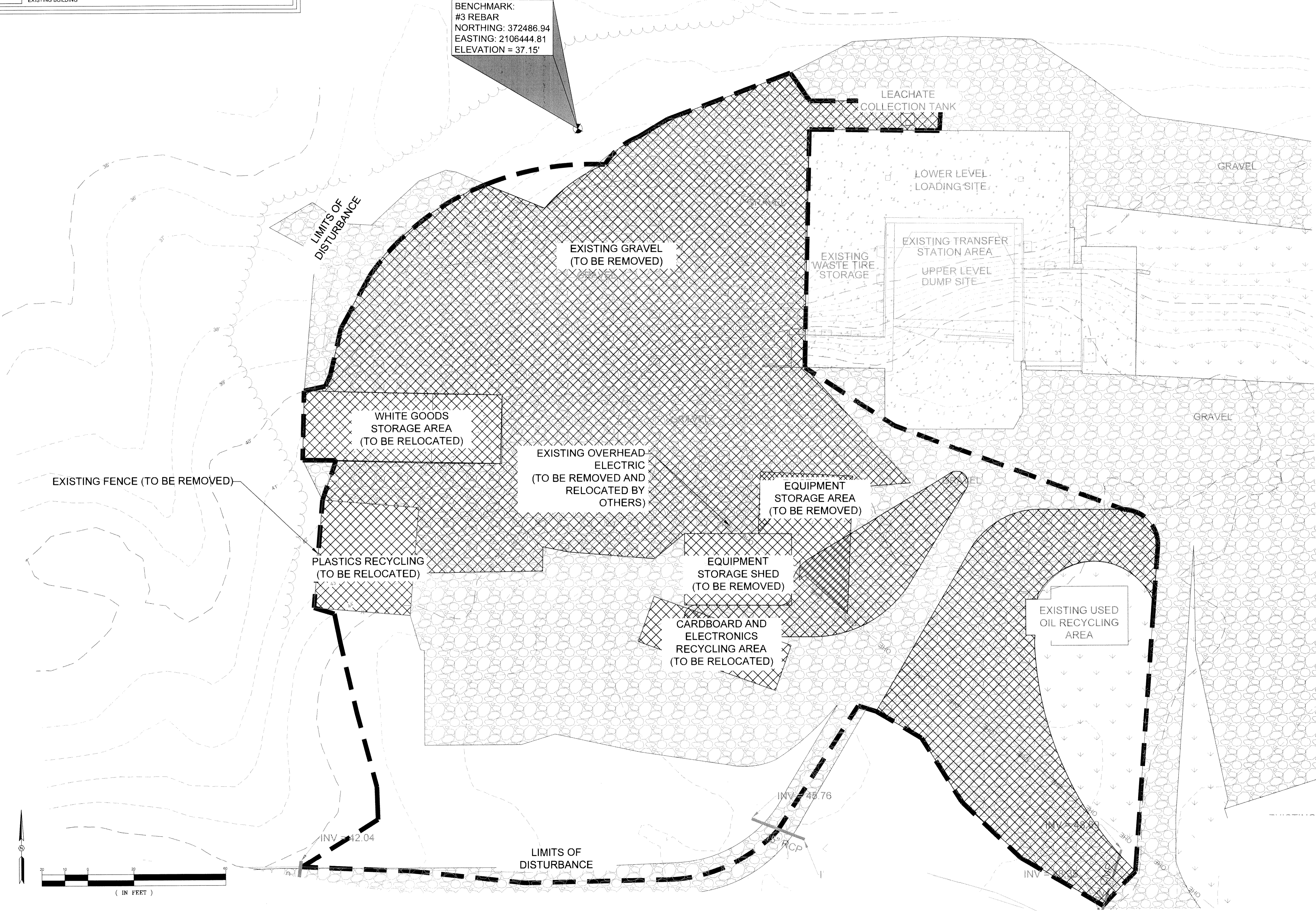
DEVELOPER INFORMATION
 OWNER: COLLETON COUNTY
 CONTACT: MR. JOHN T. STIEGLITZ, III
 CAPITAL PROJECTS & PURCHASING DIRECTOR
 ADDRESS: 113 MAPLE T. WILLIS BOULEVARD
 CITY, STATE: WALTERBORO, SOUTH CAROLINA 29488
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REVISION	DATE



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PROJECT: PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA
 SHEET: DEMOLITION, CLEARING, AND GRUBBING PLAN
 DATE: NOVEMBER 2015
 SCALE: 1" = 30'
 FILE NAME: C2.DWG
 REFERENCE FILE: BASE.dwg
 PROJECT NO.: 15195-0015
 SHEET: C2
 DWG NO. 01.967-D17



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LEGEND		
PL	EXISTING PROPERTY LINE	PROPOSED GABC PAVEMENT
-RW-	EXISTING RIGHT-OF-WAY	PROPOSED CONCRETE PAVEMENT
70	EXISTING CONTOUR MAJOR	PROPOSED STORM DRAINAGE PIPE
SD	EXISTING CONTOUR MINOR	PROPOSED BUILDING
SD	EXISTING TREE LINE	EXISTING STORM DRAINAGE PIPE
SD	EXISTING STORM DRAINAGE PIPE	EXISTING GRAVEL
SD	EXISTING ASPHALT	EXISTING CONCRETE
SD	EXISTING GRAVEL	EXISTING BUILDING
X	PROPOSED FENCE	
X	PROPOSED GRASSING	

BENCHMARK:
 #3 REBAR
 NORTHING: 372486.94
 EASTING: 2106444.81
 ELEVATION = 37.15'

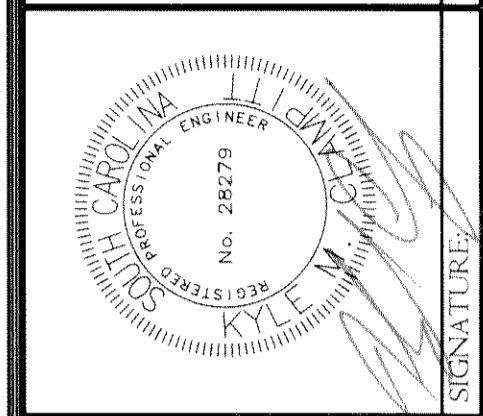
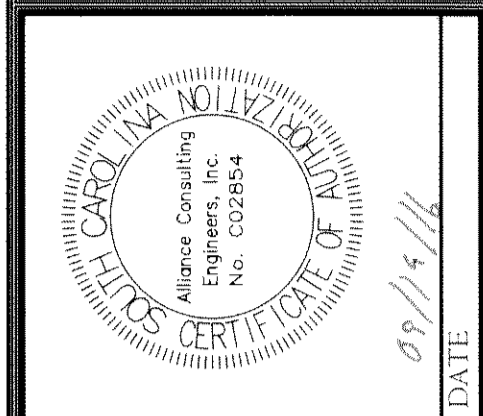
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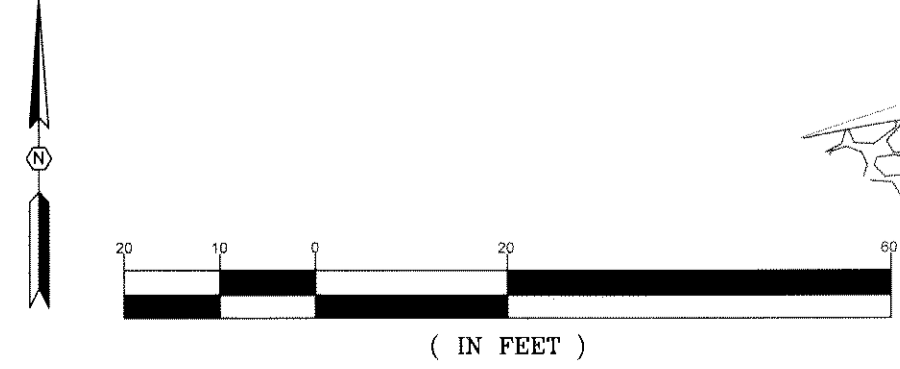
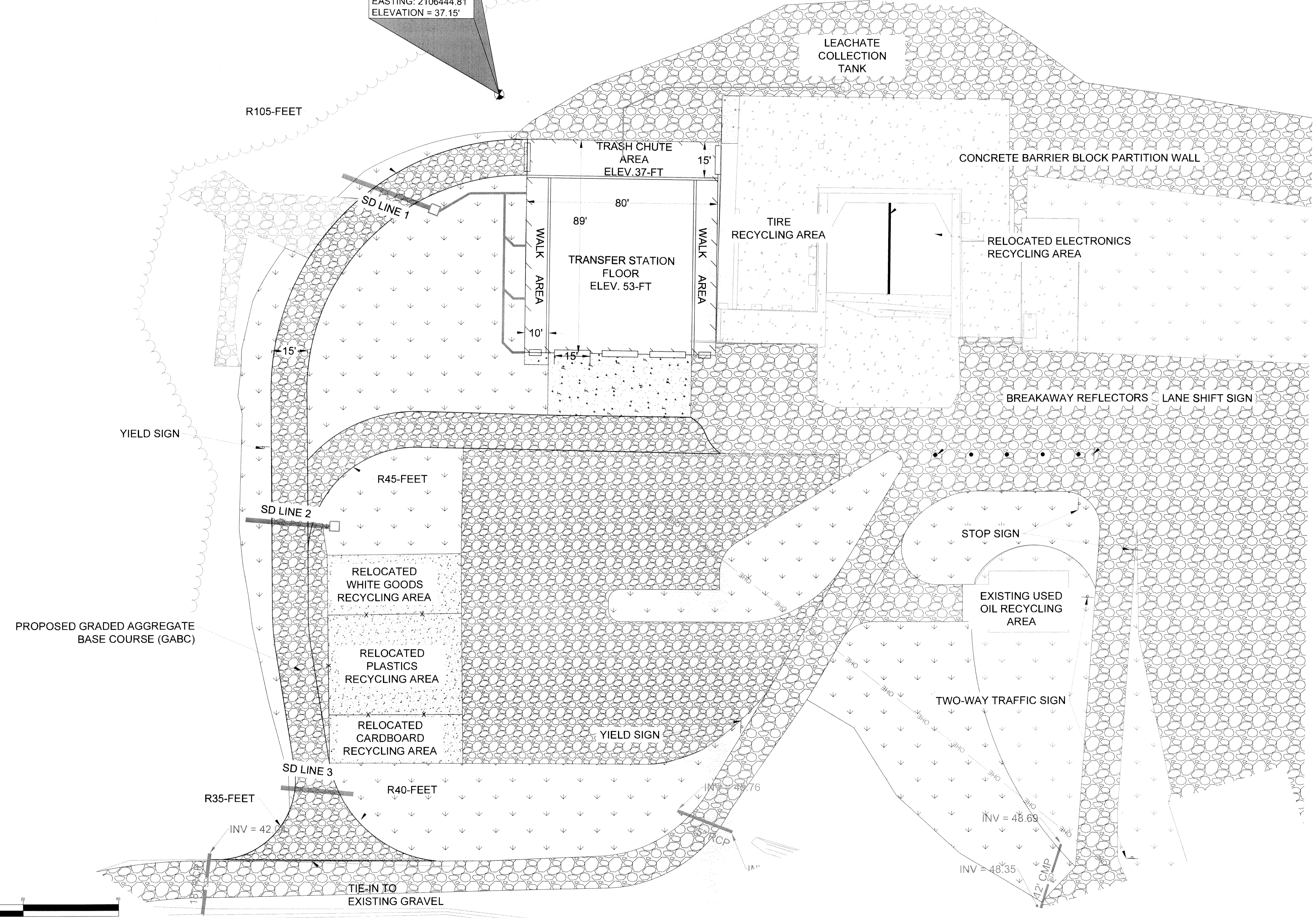
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REVISION	
DATE	DESCRIPTION



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PROJECT: PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA
 SHEET: C3
 DATE: NOVEMBER 2015
 SCALE: 1" = 20'
 DWG NO. 01.967-D17

LEGEND

PL	EXISTING PROPERTY LINE	PROPOSED GABC PAVEMENT
-RW-	EXISTING RIGHT-OF-WAY	PROPOSED CONCRETE PAVEMENT
---	EXISTING CONTOUR MAJOR	PROPOSED STORM DRAINAGE PIPE
---	EXISTING CONTOUR MINOR	PROPOSED PIPE BOLLARDS
SD	EXISTING TREE LINE	PROPOSED BUILDING
---	EXISTING STORM DRAINAGE PIPE	PROPOSED CONTOUR MAJOR
---	EXISTING GRAVEL	PROPOSED CONTOUR MINOR
---	EXISTING ASPHALT	PROPOSED WATER LINE
---	EXISTING CONCRETE	
---	EXISTING BUILDING	

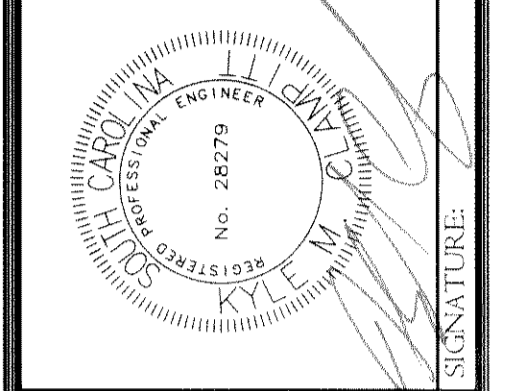
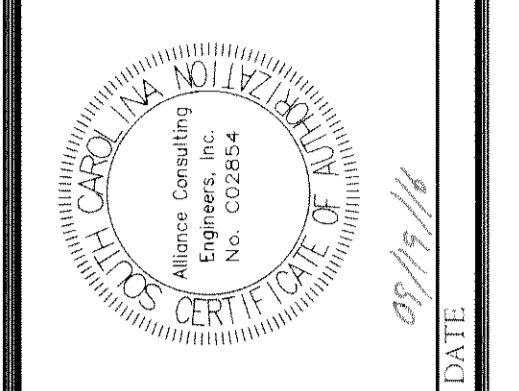
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REVISION DATE

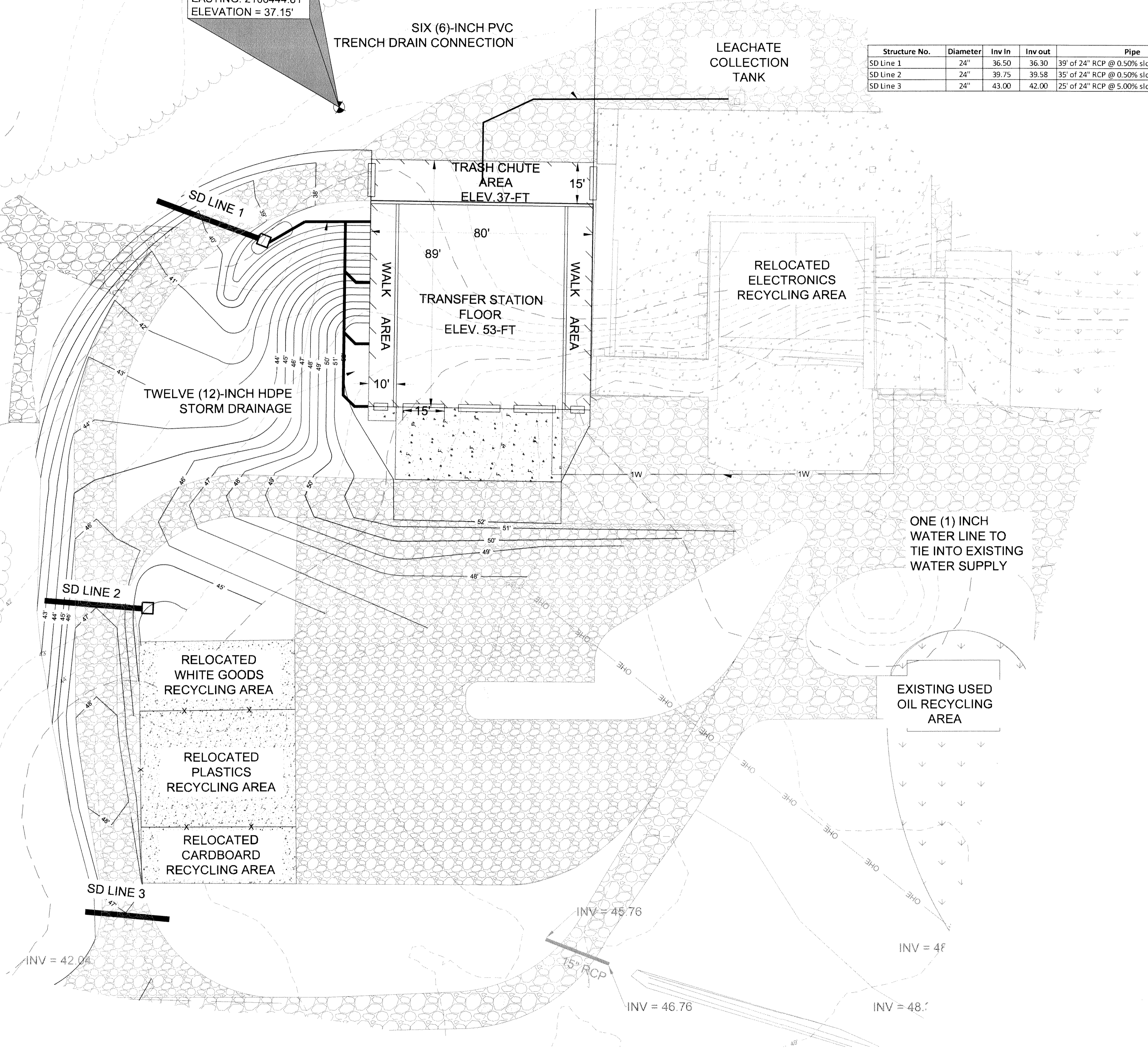


Structure No.	Diameter	Inv In	Inv out	Pipe
SD Line 1	24"	36.50	36.30	39' of 24" RCP @ 0.50% slope
SD Line 2	24"	39.75	39.58	35' of 24" RCP @ 0.50% slope
SD Line 3	24"	43.00	42.00	25' of 24" RCP @ 5.00% slope

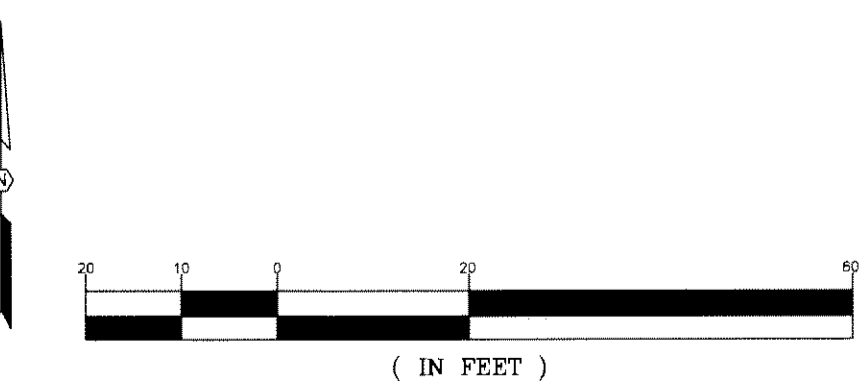
BENCHMARK:
 #3 REBAR
 NORTHING: 372486.94
 EASTING: 2106444.81
 ELEVATION = 37.15'

SIX (6)-INCH PVC TRENCH DRAIN CONNECTION

LEACHATE COLLECTION TANK



ONE (1) INCH WATER LINE TO TIE INTO EXISTING WATER SUPPLY



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GRADING AND STORM DRAINAGE PLAN

PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA

FILE NAME:	C4.DWG	SHEET C4
REFERENCE FILE:	BASE.dwg	
PROJECT NO.:	15195-0015	

DWG NO. 01.967-D17

ALLIANCE CONSULTING ENGINEERS, INC. IS THE SOLE PROVIDER OF PROFESSIONAL ENGINEERING SERVICES TO SUBMIT THE COLLETON COUNTY EROSION AND SEDIMENT CONTROL PLAN FOR THE PROJECT. THE PROJECT IS NOT TO BE CONSIDERED A PROFESSIONAL ENGINEERING SERVICE UNTIL IT IS APPROVED BY THE COLLETON COUNTY BOARD OF APPEALS AND ZONING. THE PROJECT IS NOT TO BE CONSIDERED A PROFESSIONAL ENGINEERING SERVICE UNTIL IT IS APPROVED BY THE COLLETON COUNTY BOARD OF APPEALS AND ZONING.

LEGEND	
PL	EXISTING PROPERTY LINE
RW	EXISTING RIGHT-OF-WAY
CM	EXISTING CONTOUR MAJOR
CM	EXISTING CONTOUR MINOR
SD	EXISTING STORM DRAINAGE PIPE
AS	EXISTING ASPHALT
CON	EXISTING CONCRETE
B	EXISTING BUILDING
PCP	PROPOSED GABC PAVEMENT
PC	PROPOSED CONCRETE PAVEMENT
SD	PROPOSED STORM DRAINAGE PIPE
70	PROPOSED CONTOUR MAJOR
66	PROPOSED CONTOUR MINOR
SF	PROPOSED SILT FENCE
TE	PROPOSED TEMPORARY CONSTRUCTION ENTRANCE
IP	PROPOSED RIP RAP INLET & OUTLET PROTECTION
ECM	PROPOSED EROSION CONTROL MATTING (SC-250)
GR	PROPOSED GRASSING

NOTES:
 CAD FILES WILL BE PROVIDED TO CONTRACTOR FOR USE WITH SITE STAKING

NOTE: UTILITY LOCATIONS ARE APPROXIMATE AND MUST BE FIELD LOCATED PRIOR TO ANY LAND DISTURBANCE BY THE CONTRACTOR

REFERENCES:
 1. REFERENCE IS MADE TO A BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY FOWLER LAND SURVEYING, INC. DATED AUGUST 27, 2013, SEPTEMBER 6, 2013 AND SEPTEMBER 11, 2013.

DEVELOPER INFORMATION
 OWNER: COLLETON COUNTY
 CONTACT: MR. JOHN T. STIEGLITZ, III
 CAPITAL PROJECTS & PURCHASING DIRECTOR
 113 MAPLE T. WILLIS BOULEVARD
 ADDRESS: WALTERBORO, SOUTH CAROLINA 29488
 TELEPHONE: (843) 539-1968
 FAX: (843) 539-1963
 EMAIL: JSTIEGLITZ@COLLETONCOUNTY.ORG

REVISION	DATE

APPROVALS

ENGINEER	KMC
DESIGNER	BSW
TRACER/DRAWN	RTD/TEH
CHECKED BY	BSW
APPROVED	KMC

DATE: 09/15/15

SIGNATURE: KYLE M. STIEGLITZ

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PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA

EROSION AND SEDIMENT CONTROL PLAN

DATE: NOVEMBER 2015

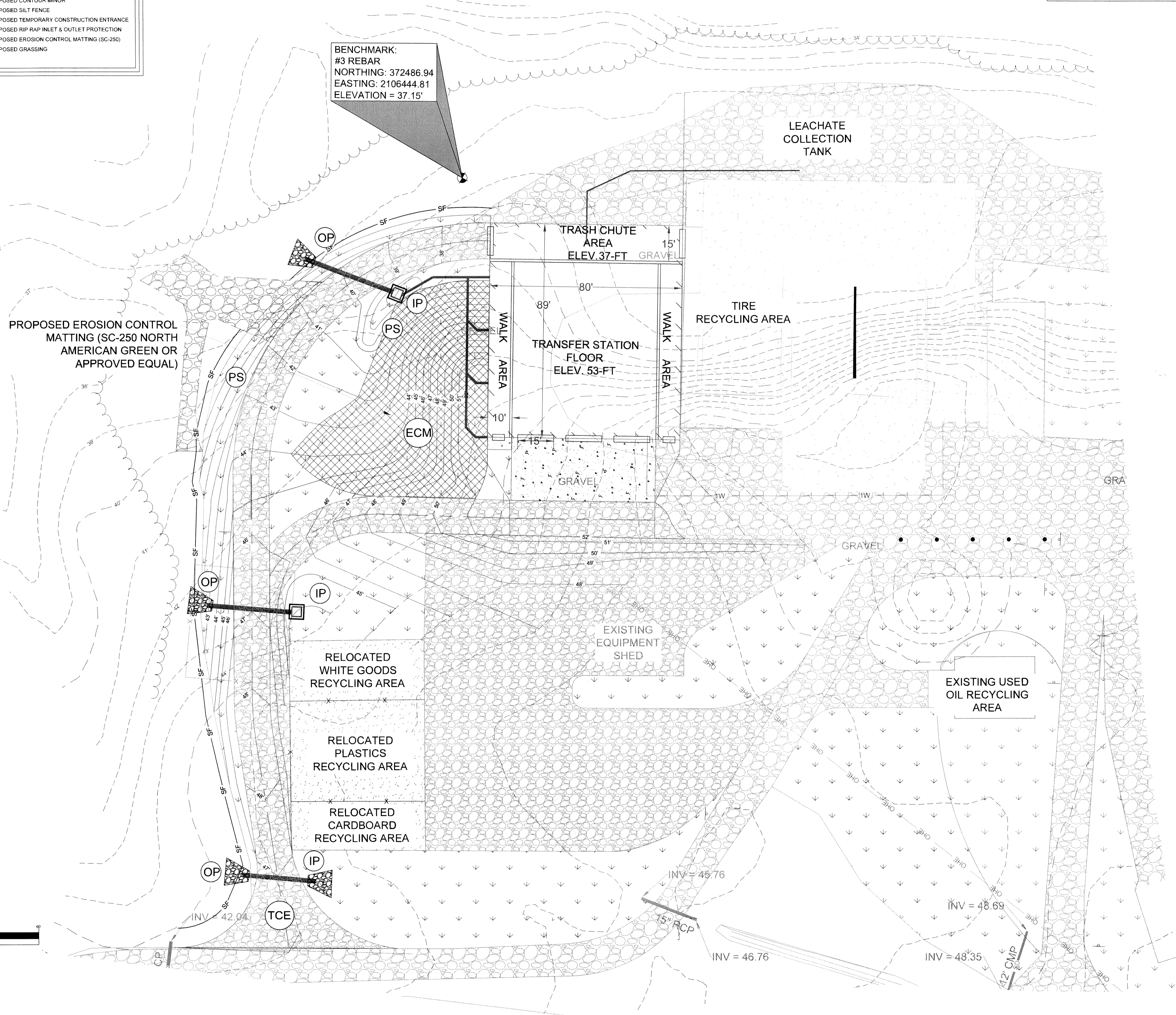
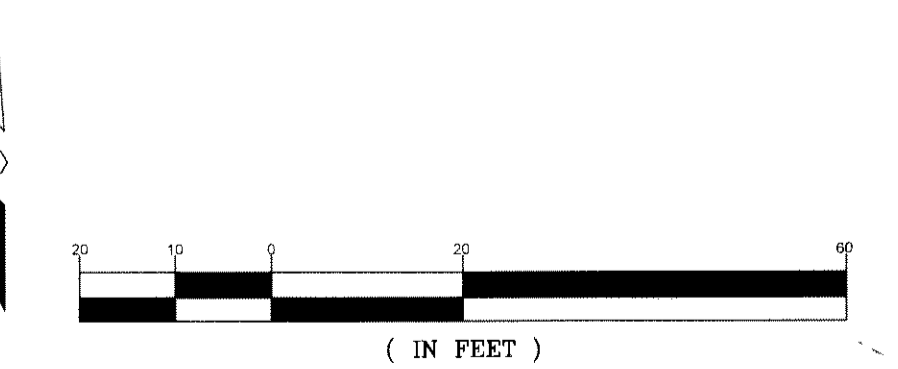
SCALE: 1" = 30'

PROJECT: PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA

FILE NAME: CS.DWG
 REFERENCE FILE: BASE.dwg
 PROJECT NO.: 15195-0015

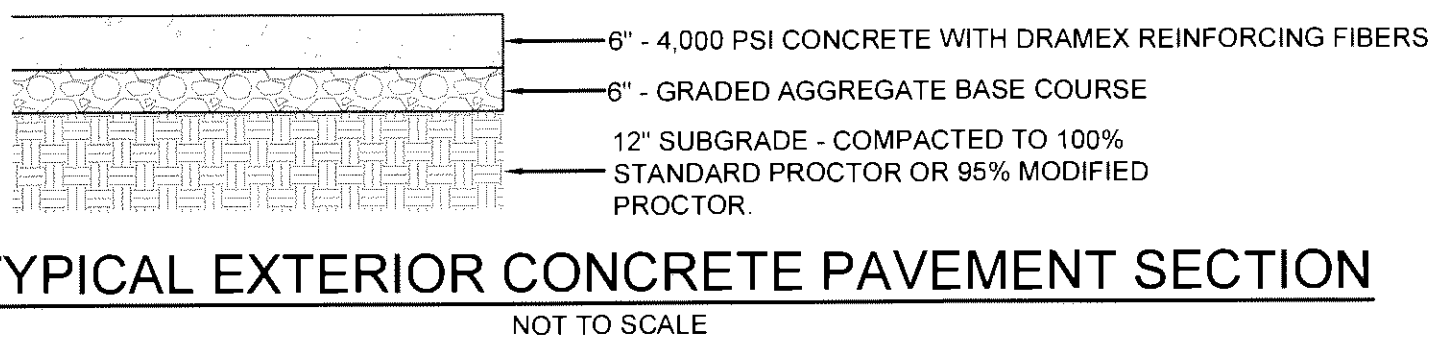
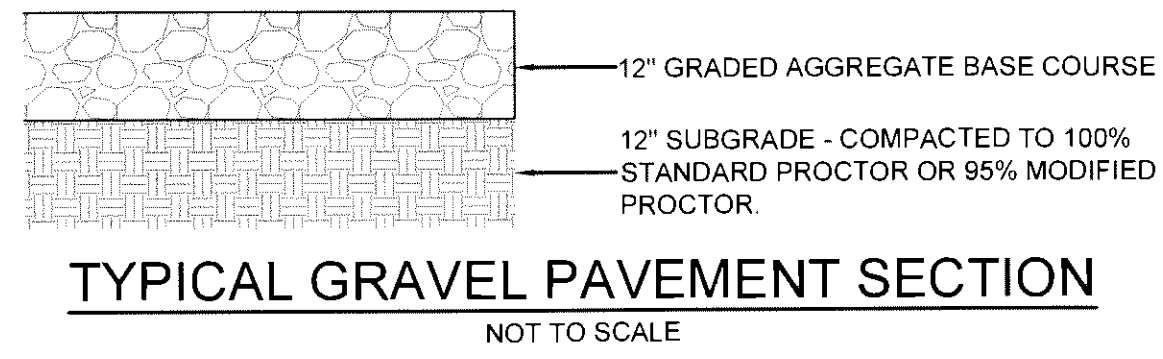
SHEET: C

DWG NO. 01.967-D17

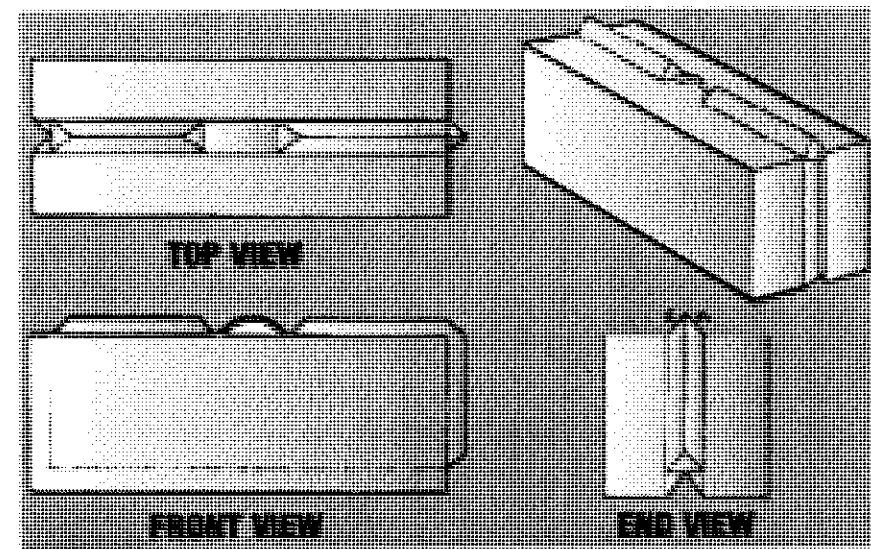


BENCHMARK:
 #3 REBAR
 NORTHING: 372486.94
 EASTING: 2106444.81
 ELEVATION = 37.15'

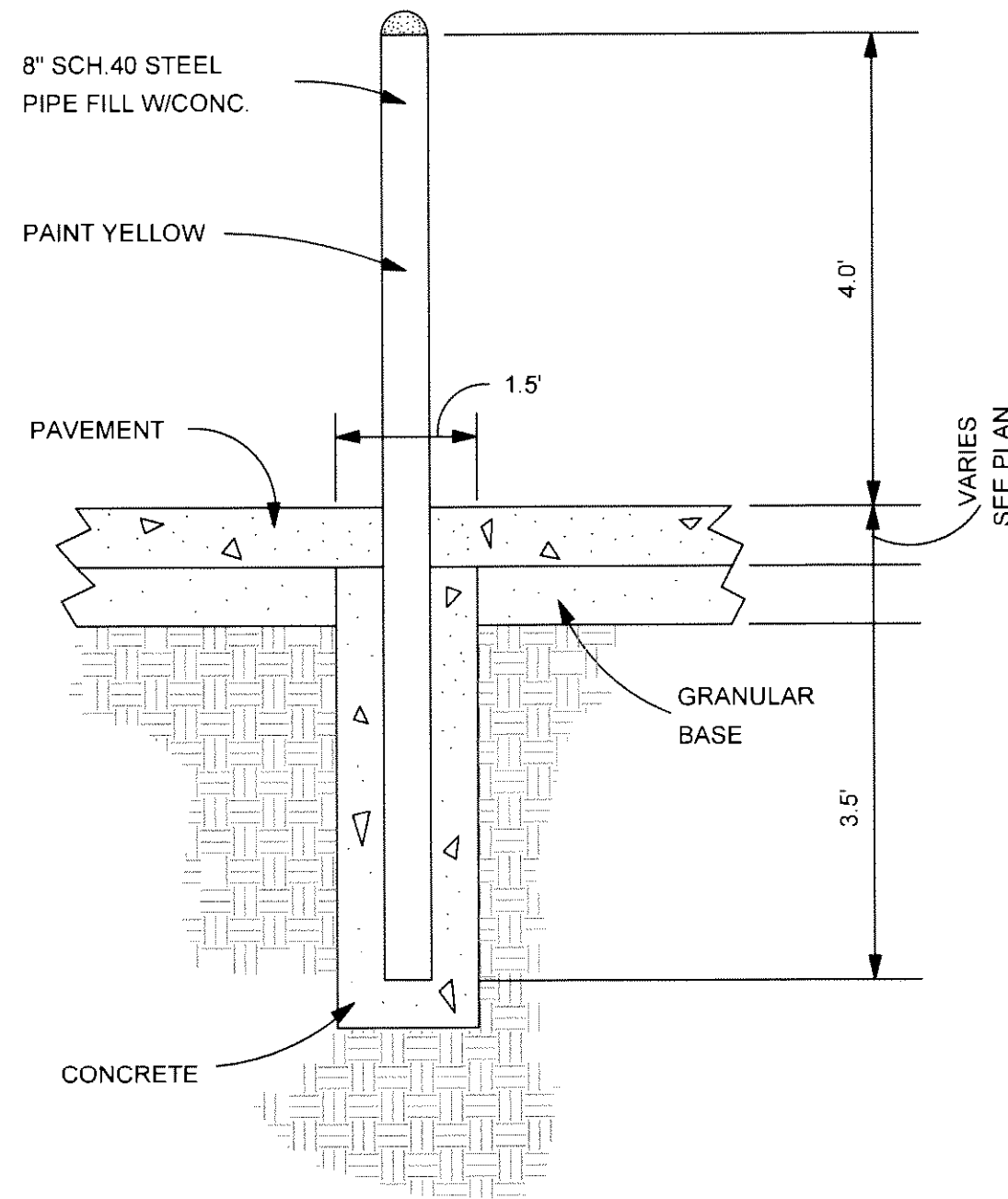
THE ENGINEER HAS BEEN ADVISED BY THE SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION THAT THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE RESPONSIBLE TO ANY OTHER PROJECT OR PROJECTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND NOT BE RESPONSIBLE TO ANY OTHER PROJECT OR PROJECTS.



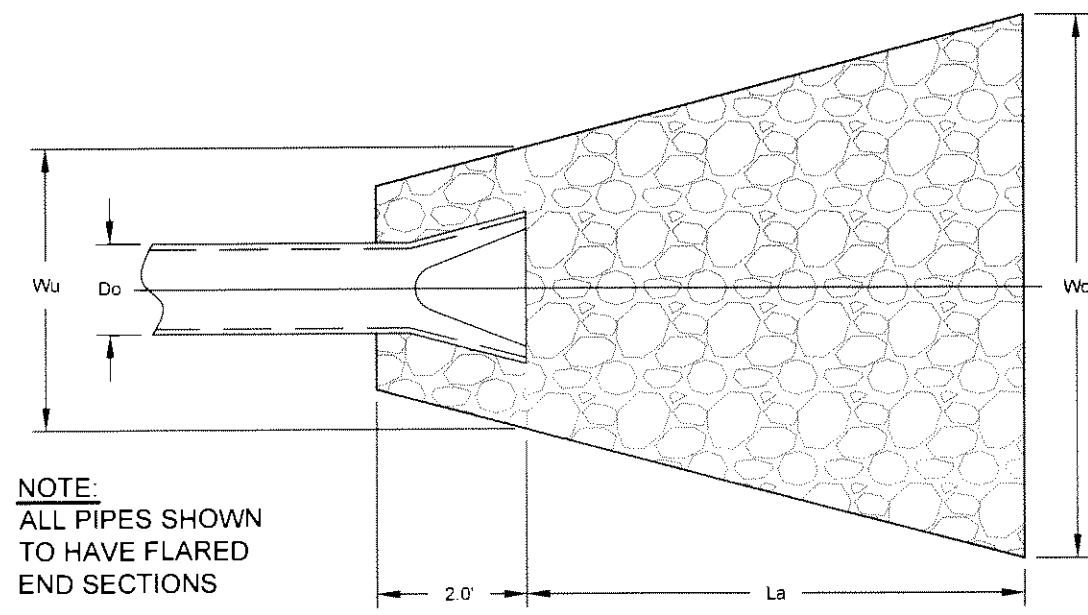
- Full Barrier Block: 2'x2'x6" | 1 yard of concrete weighs approximately 4,000 pounds
- Half Barrier Block: 2'x2'x3" | 1/2 yard of concrete weighs approximately 2,000 pounds
- Corner Block: Full Block plus a corner leg



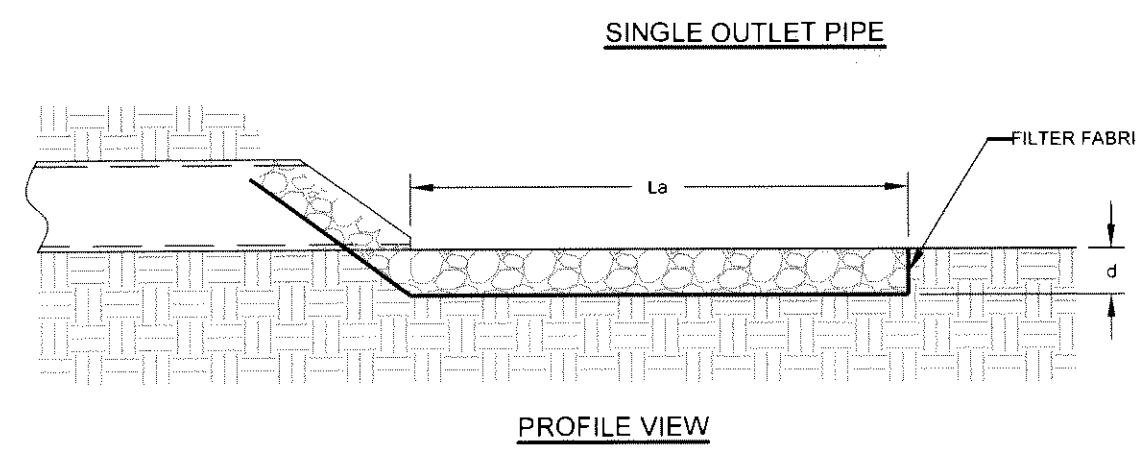
CONCRETE BARRIER BLOCK DETAIL
(NOT TO SCALE)



PIPE BOLLARD DETAIL
(NOT TO SCALE)



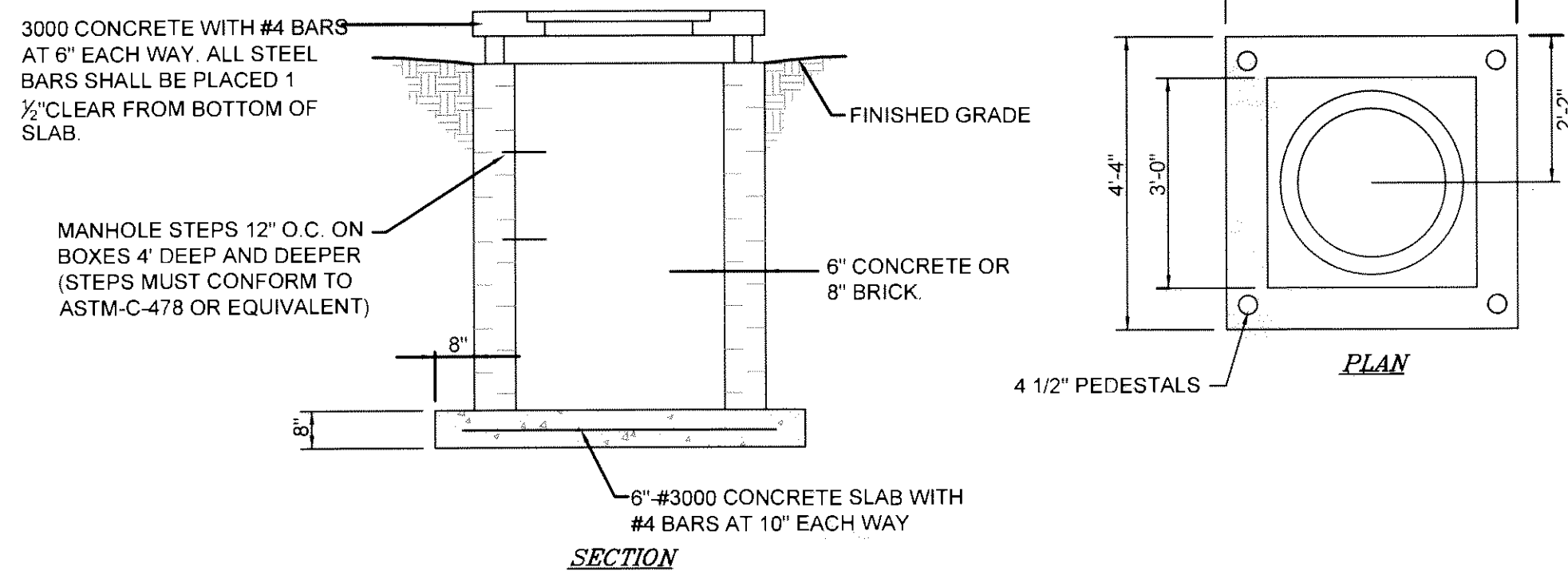
NOTE:
ALL PIPES SHOWN
TO HAVE FLARED
END SECTIONS



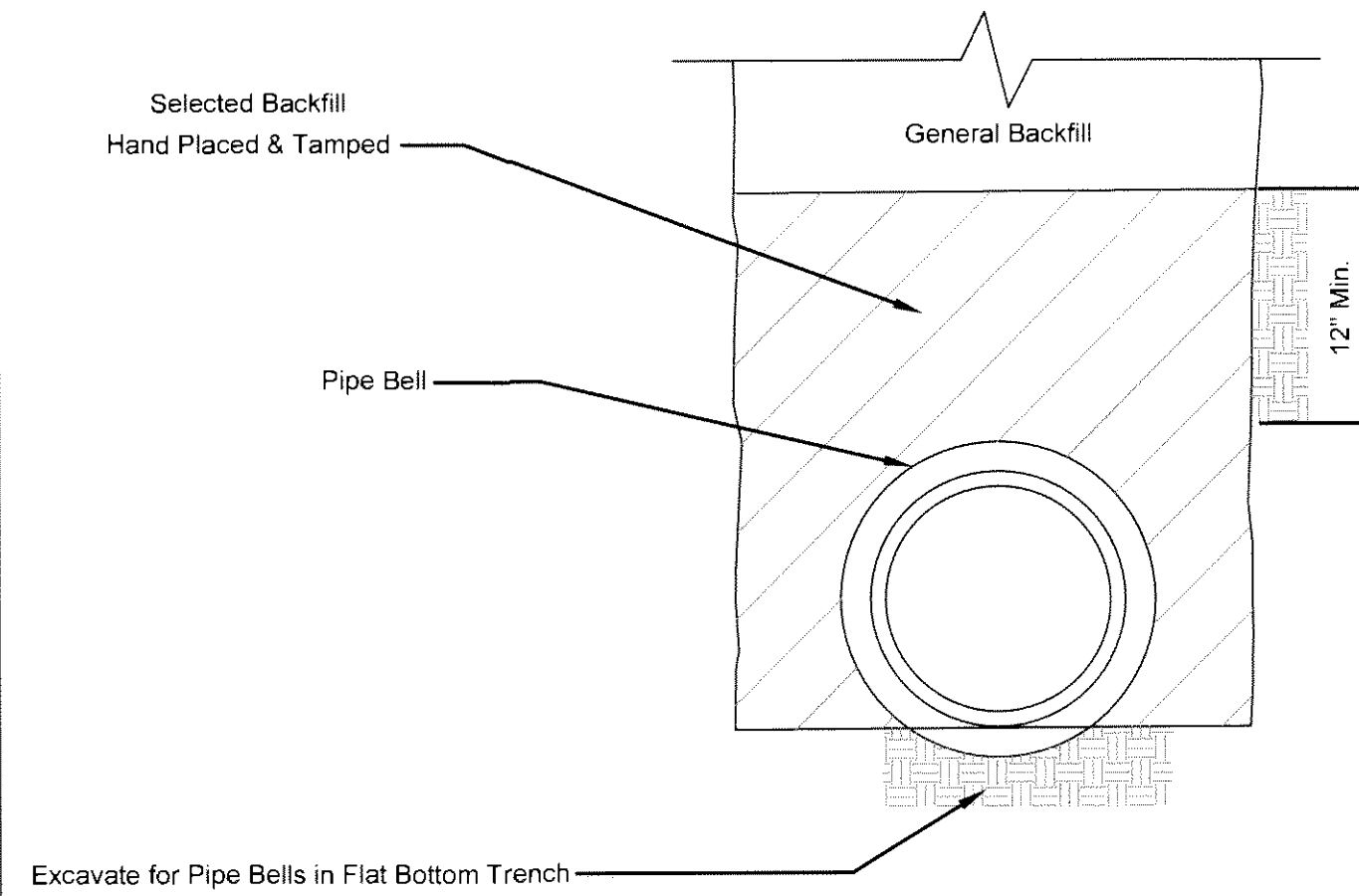
RIP RAP OUTLET PROTECTION DETAIL
NOT TO SCALE

OUTLET PROTECTION SIZING CHART

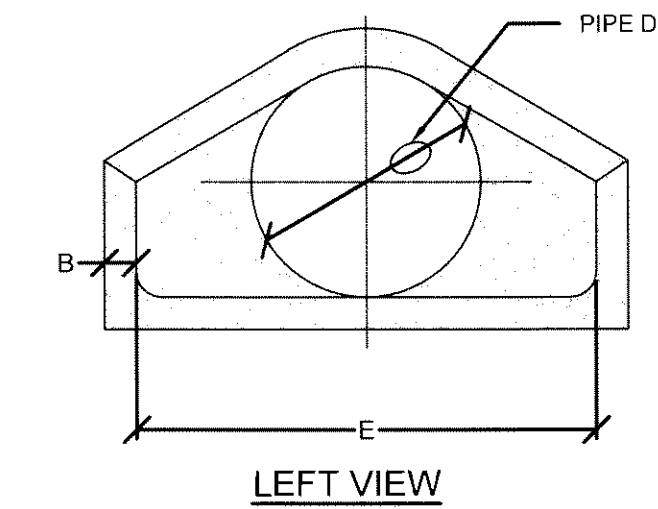
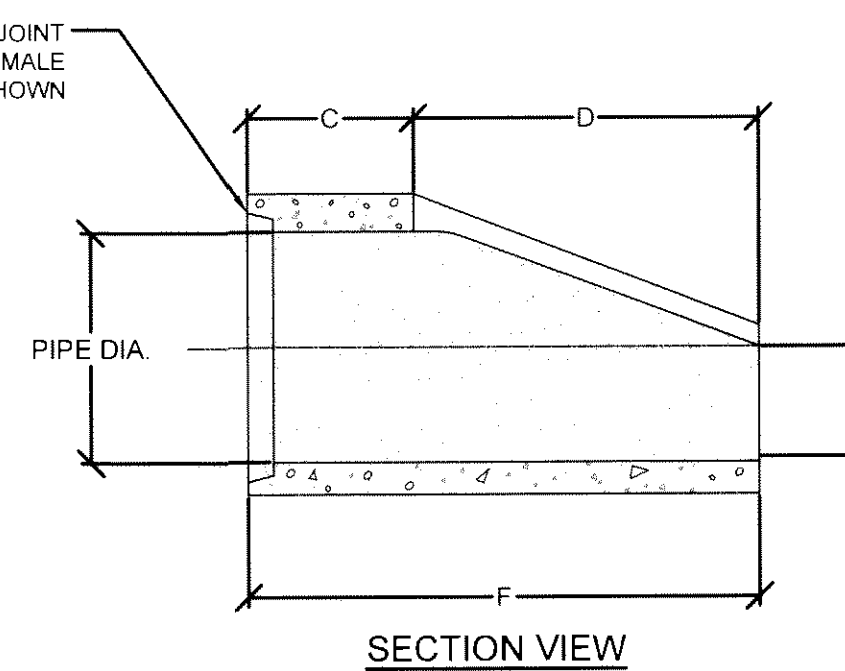
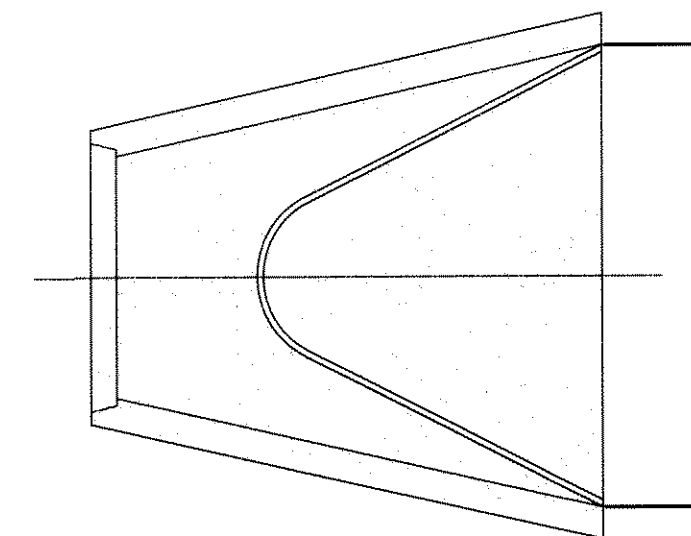
OUTLET LABEL	DK(R)	NO. PIPES	Wd(Ft)	Ld(Ft)	Wd(Ft)	hd(Ft)	sd(Ft)
SD LINE 1	24	1	4.5	13.5	15.5	0.5	2.0
SD LINE 2	24	1	4.5	13.5	15.5	0.5	2.0
SD LINE 3	24	1	4.5	13.5	15.5	0.5	2.0



- NOTES:
1. BEVELED END SECTIONS WILL BE MANUFACTURED IN ACCORDANCE WITH SECTION 715 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. THESE SPECIAL PIPE SECTIONS WILL BE MADE DURING THE MANUFACTURING OF OTHER STATE APPROVED REINFORCED CONCRETE PIPE.
 2. THE PIPE BEVEL MAY BE SAWS IN THE FIELD IN LIEU OF BEING MANUFACTURED IN FIELD SAWING THE PIPE OPENING MAY COME TO A POINT AT THE PIPE CREST RATHER THAN A RADIUS AS SHOWN ON THE DRAWING. ALTERNATE PIPE FOR SIDELINES MUST HAVE EACH END BEVELED TO MATCH THE ADJACENT SLOPES. NO SEPARATE PAYMENT WILL BE MADE FOR PROVIDING THESE BEVELED ENDS.
 3. BEVELED ENDS ON ALUMINUM AND HDPE PIPE ARE TO CONFORM TO DIMENSIONS SHOWN FOR CONCRETE PIPE.
 4. WHEN AN ALTERNATE OF CORRUGATED ALUMINUM ALLOY PIPE IS SELECTED FOR USE, THE DIAMETERS WILL BE ONE STANDARD PIPE SIZE LARGER THAN REINFORCED CONCRETE PIPE.
 5. TOTAL LINE LENGTH OF ALTERNATE ALUMINUM AND HDPE PIPE MAY BE PLACED IN ONE OR TWO LENGTHS AT THE DISCRETION OF THE CONTRACTOR.
 6. PAYMENT FOR BEVELED END SECTIONS WILL BE AS DIRECTED IN THE PLANS OR IN SPECIAL PROVISIONS. WHEN PAYMENT IS TO BE MADE THE BID ITEM SHALL BE: 24" RCP PIPE CULVERT BEVELED END SECTION CLASS C OR 26-L-F. SIZETYPECLASS OR THICKNESS



CLASS "D" BEDDING
NOT TO SCALE

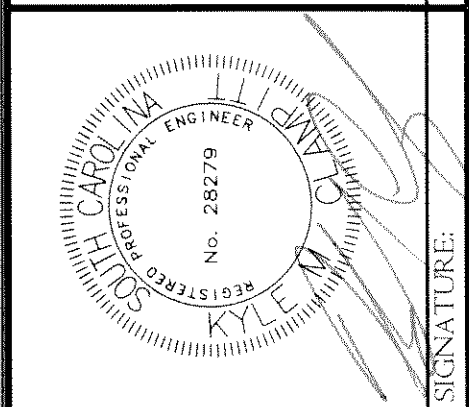
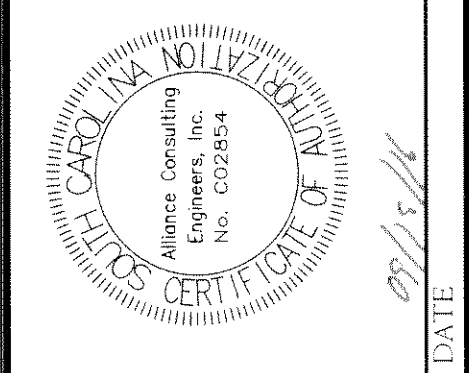


NOTES:

1. CONCRETE SHALL TEST 3000 PSI AT 28 DAYS.
2. REINFORCEMENT SHALL BE EQUAL TO THAT REQUIRED FOR CLASS III R.C.P. OF CORRESPONDING DIAMETER PER CALTRANS SPECIFICATIONS.

PIPE DIA.	A	B	C	D	E	F	WEIGHT-(LBS)
12"	4"	2"	13"	24"	24"	37"	400
18"	9"	2 1/2"	13"	27"	36"	40"	900
24"	9 1/2"	3"	13"	43"	48"	56"	1400
30"	12"	3 1/2"	18"	54"	60"	72"	2300
36"	15"	4"	18"	63"	72"	81"	4100
42"	21"	5"	18"	63"	78"	81"	5200
48"	24"	5"	18"	72"	84"	90"	6500
54"	27"	5 1/2"	18"	65"	90"	83"	7400

APPROVALS	ENGINEER	DRAWN	CHECKED	DATE
KMC	BSW	RTO/EDH	BSW	KMC



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SITE DETAILS

PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA

FILE NAME: C6DWG
REFERENCE FILE: BASE.dwg
PROJECT NO.: 15195-0015
SHEET: C6
DWG NO. 01.967-D17

SEDIMENT AND EROSION CONTROL NOTES

STANDARD NOTES:

1. SLOPES WHICH EXCEED EIGHT (8) VERTICAL FEET SHOULD BE STABILIZED WITH EROSION CONTROL MATS, IN ADDITION TO HYDROSEEDING. IT MAY BE NECESSARY TO INSTALL TEMPORARY SLOPE DRAINS DURING CONSTRUCTION. TEMPORARY BERMS MAY BE NEEDED UNTIL THE SLOPE IS BROUGHT TO GRADE.
2. STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN FOURTEEN (14) DAYS AFTER WORK HAS CEASED, EXCEPT AS STATED BELOW.
 - a. WHERE STABILIZATION BY THE 14TH DAY IS PRECLUDED BY SNOW COVER OR FROZEN GROUND CONDITIONS STABILIZATION MEASURES MUST BE INITIATED AS SOON AS PRACTICABLE.
 - b. WHERE CONSTRUCTION ACTIVITY ON A PORTION OF THE SITE IS TEMPORARILY CEASED, AND EARTH-DISTURBING ACTIVITIES WILL BE RESUMED WITHIN FOURTEEN (14) DAYS, TEMPORARY STABILIZATION MEASURES DO NOT HAVE TO BE INITIATED ON THAT PORTION OF THE SITE.
3. ALL SEDIMENT AND EROSION CONTROL DEVICES SHALL BE INSPECTED EVERY SEVEN (7) DAYS. IF SITE INSPECTIONS IDENTIFY BMPs THAT ARE DAMAGED OR ARE NOT OPERATING EFFECTIVELY, MAINTENANCE MUST BE PERFORMED AS SOON AS PRACTICAL OR AS REASONABLY POSSIBLE AND BEFORE THE NEXT STORM EVENT WHENEVER PRACTICABLE.
4. PROVIDE SILT FENCE AND/OR OTHER CONTROL DEVICES, AS MAY BE REQUIRED, TO CONTROL SOIL EROSION DURING UTILITY CONSTRUCTION. ALL DISTURBED AREAS SHALL BE CLEANED, GRADED, AND STABILIZED WITH GRASSING IMMEDIATELY AFTER THE UTILITY INSTALLATION, FILL COVER, AND TEMPORARY SEEDING AT THE END OF EACH DAY ARE RECOMMENDED. IF WATER IS ENCOUNTERED WHILE TRENCHING, THE WATER SHOULD BE FILTERED TO REMOVE ANY SEDIMENTS BEFORE BEING PUMPED BACK INTO ANY WATERS OF THE STATE.
5. ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED. ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS STABILIZED.
6. THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE THE TRACKING OF MUD ONTO PAVED ROADWAY(S) FROM CONSTRUCTION AREAS AND THE GENERATION OF DUST. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED.
7. RESIDENTIAL SUBDIVISIONS REQUIRE EROSION CONTROL FEATURES FOR INFRASTRUCTURE AS WELL AS FOR INDIVIDUAL LOT CONSTRUCTION. INDIVIDUAL PROPERTY OWNERS SHALL FOLLOW THESE PLANS DURING CONSTRUCTION OR OBTAIN APPROVAL OF AN INDIVIDUAL PLAN IN ACCORDANCE WITH S.C. REG. 72-300 ET SEQ. AND SCR10000.
8. TEMPORARY DIVERSION BERMS AND/OR DITCHES WILL BE PROVIDED AS NEEDED DURING CONSTRUCTION TO PROTECT WORK AREAS FROM UPSLOPE RUNOFF AND/OR TO DIVERT SEDIMENT-LOADED WATER TO APPROPRIATE TRAPS OR STABLE OUTLETS.
9. ALL WATERS OF THE STATE (WOS), INCLUDING WETLANDS, ARE TO BE FLAGGED OR OTHERWISE CLEARLY MARKED IN THE FIELD. A DOUBLE ROW OF SILT FENCE IS TO BE INSTALLED IN ALL AREAS WHERE A 50-FOOT BUFFER CAN'T BE MAINTAINED BETWEEN THE DISTURBED AREA AND ALL WOS. A 10-FOOT BUFFER SHOULD BE MAINTAINED BETWEEN THE LAST ROW OF SILT FENCE AND ALL WOS.
10. LITTER, CONSTRUCTION DEBRIS, OILS, FUELS, AND BUILDING PRODUCTS WITH SIGNIFICANT POTENTIAL FOR IMPACT (SUCH AS STOCKPILES OF FRESHLY TREATED LUMBER) AND CONSTRUCTION CHEMICALS THAT COULD BE EXPOSED TO STORM WATER MUST BE PREVENTED FROM BECOMING A POLLUTANT SOURCE IN STORM WATER DISCHARGES.

ADDITIONAL NOTES:

- A. INSTALL PERMANENT VEGETATIVE COVER AND THE LONG-TERM EROSION PROTECTION MEASURES OR STRUCTURES AS SOON AS PRACTICAL IN THE DEVELOPMENT PROCESS.
- B. PROVIDE FOR HANDLING THE INCREASED RUNOFF CAUSED BY CHANGED SOIL AND SURFACE CONDITIONS. USE EFFECTIVE MEANS TO CONSERVE EXISTING ON-SITE SOIL INCLUDING THE USE OF DIVERSION DITCHES, GRASSED WATERWAYS AND STORM SEWERS.
- C. PLACE SILT FENCE BARRIERS AT LOCATIONS SHOWN ON PLAN. SILT BARRIERS SHALL BE MAINTAINED IN PLACE AND IN GOOD CONDITION UNTIL GROUND COVER IS ESTABLISHED.
- D. ALL DISTURBED AREAS NOT PAVED SHALL BE GRASSED. USE TEMPORARY PLANT COVER, MULCHING, AND/OR STRUCTURES TO CONTROL RUNOFF AND PROTECT AREAS SUBJECT TO EROSION DURING CONSTRUCTION.
- E. SEDIMENT POND ARE TO BE EXCAVATED TO ORIGINAL GRADES UPON THE ACCUMULATION OF 1.5' ON SEDIMENT STAKE PLACED AT OUTLET.
- F. PROVIDE A TEMPORARY STONE SPLASH PAD AT ALL FIRE HYDRANTS OR OTHER POINTS IF DISCHARGE DURING TESTING OF THE WATER DISTRIBUTION SYSTEM.
- G. SHOULD PERMANENT GRASSING REQUIREMENTS CONFLICT WITH LANDSCAPE PLANS, LANDSCAPE PLANS SUPERCEDE PERMANENT GRASSING REQUIREMENTS.

GRASSING SPECIFICATIONS:

- A. ALL SEED MIXTURES FOR THE VARIOUS SEEDING SCHEDULES SHALL BE WEIGHED AND MIXED TO THE PROPER PROPORTIONS IN THE PRESENCE OF THE OWNER OR THE OWNER'S REPRESENTATIVE.
- B. SCHEDULE NO. 1

COMMON NAME OF SEED	RATE (lbs/ac)	Optimum Dates to Plant
FESCUE	20	August 15-October
HILLED BERNUDA	4-8	April - July 15
PENSACOLA BAHIA	30	March 20 - June 15
SERICA LESPEDeza (CLAY SOILS)	40	April - June
WEEPING LOVE GRASS (SANDY SOILS)	2	April - July 20

SCHEDULE NO. 2

COMMON NAME OF SEED	RATE (lbs/ac)	Optimum Dates to Plant
SWITCHGRASS	10	February 10 - April 20
INDIAN GRASS	8	February - April 20
LITTLE BLUESTEM	8	February 10 - April

- D. UTILIZE RATE A ON SLOPES OVER 5:1 VERTICAL IN HEIGHT BUT LESS THAN 3:1, AND USE RATE B LBS. PER 1000 SQ. FT. ON SLOPES LESS THAN 5:1 VERTICAL.
- E. DOUBLE SEED (RATE A) ALL GRASSED SWALES, WATERWAYS, AND EMBANKMENTS FROM TOP OF BANK TO BOTTOM OF BANK ON ALL BANK SLOPES LESS THAN 3:1.
- F. PROVIDE DOLOMITIC LIMESTONE AT 1 TON PER ACRE AND 16-4-12 FERTILIZER, AT 0.5-TON PER ACRE AND 12-4-8 FERTILIZER, AT 0.5 TON PER ACRE.

WHEN AND WHERE TO USE IT

STABILIZED CONSTRUCTION ENTRANCES SHOULD BE USED AT ALL POINTS WHERE TRAFFIC WILL BE LEAVING A CONSTRUCTION SITE AND MOVING DIRECTLY ONTO A PUBLIC ROAD.

IMPORTANT CONSIDERATIONS

IF WASHING IS USED, PROVISIONS MUST BE MADE TO INTERCEPT THE WASH WATER AND TRAP THE SEDIMENT BEFORE IT IS CARRIED OFFSITE. WASHDOWN FACILITIES SHALL BE REQUIRED AS DIRECTED BY SCDHEC AS NEEDED. WASHDOWN AREAS IN GENERAL MUST BE ESTABLISHED WITH CRUSHED GRAVEL AND DRAIN INTO A SEDIMENT TRAP OR SEDIMENT BASIN.

CONSTRUCTION ENTRANCES SHOULD BE USED IN CONJUNCTION WITH THE STABILIZATION OF CONSTRUCTION ROADS TO REDUCE THE AMOUNT OF MUD PICKED UP BY VEHICLES.

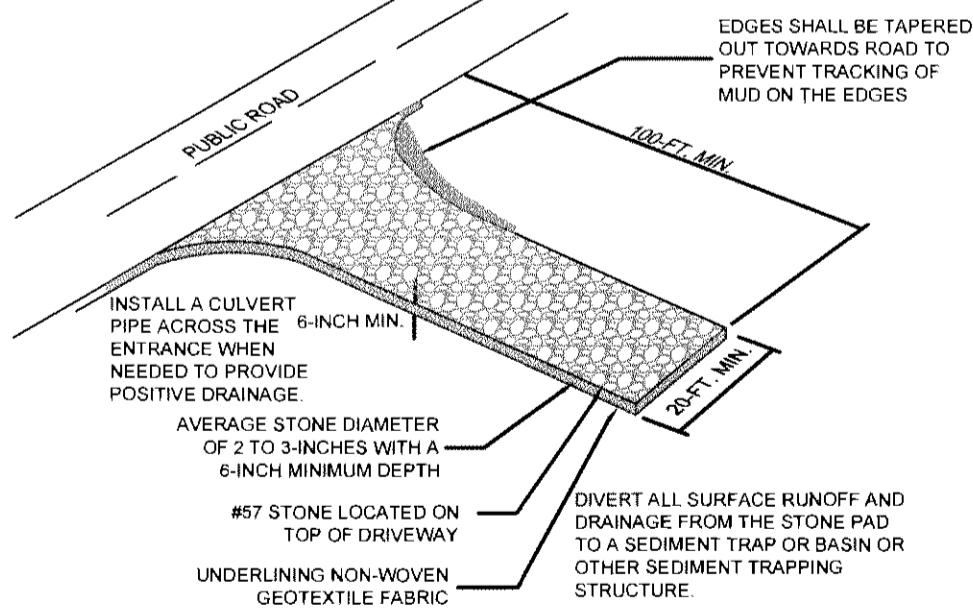
INSTALLATION

REMOVE ALL VEGETATION AND ANY OBJECTIONABLE MATERIAL FROM THE FOUNDATION AREA. DIVERT ALL SURFACE RUNOFF AND DRAINAGE FROM STONES TO A SEDIMENT TRAP OR BASIN. INSTALL A NON-WOVEN GEOTEXTILE FABRIC PRIOR TO PLACING ANY STONE. INSTALL A CULVERT PIPE ACROSS THE ENTRANCE WHEN NEEDED TO PROVIDE POSITIVE DRAINAGE. THE ENTRANCE SHALL CONSIST OF 1-INCH TO 3-INCH D50 STONE PLACED AT A MINIMUM DEPTH OF 6-INCHES. MINIMUM DIMENSIONS OF THE ENTRANCE SHALL BE 24-FEET WIDE BY 100-FEET LONG, AND MAY BE MODIFIED AS NECESSARY TO ACCOMMODATE SITE CONSTRAINTS.

THE EDGES OF THE ENTRANCE SHALL BE TAPERED OUT TOWARDS THE ROAD TO PREVENT TRACKING OF MUD AT THE EDGE OF THE ENTRANCE.

INSPECTION AND MAINTENANCE

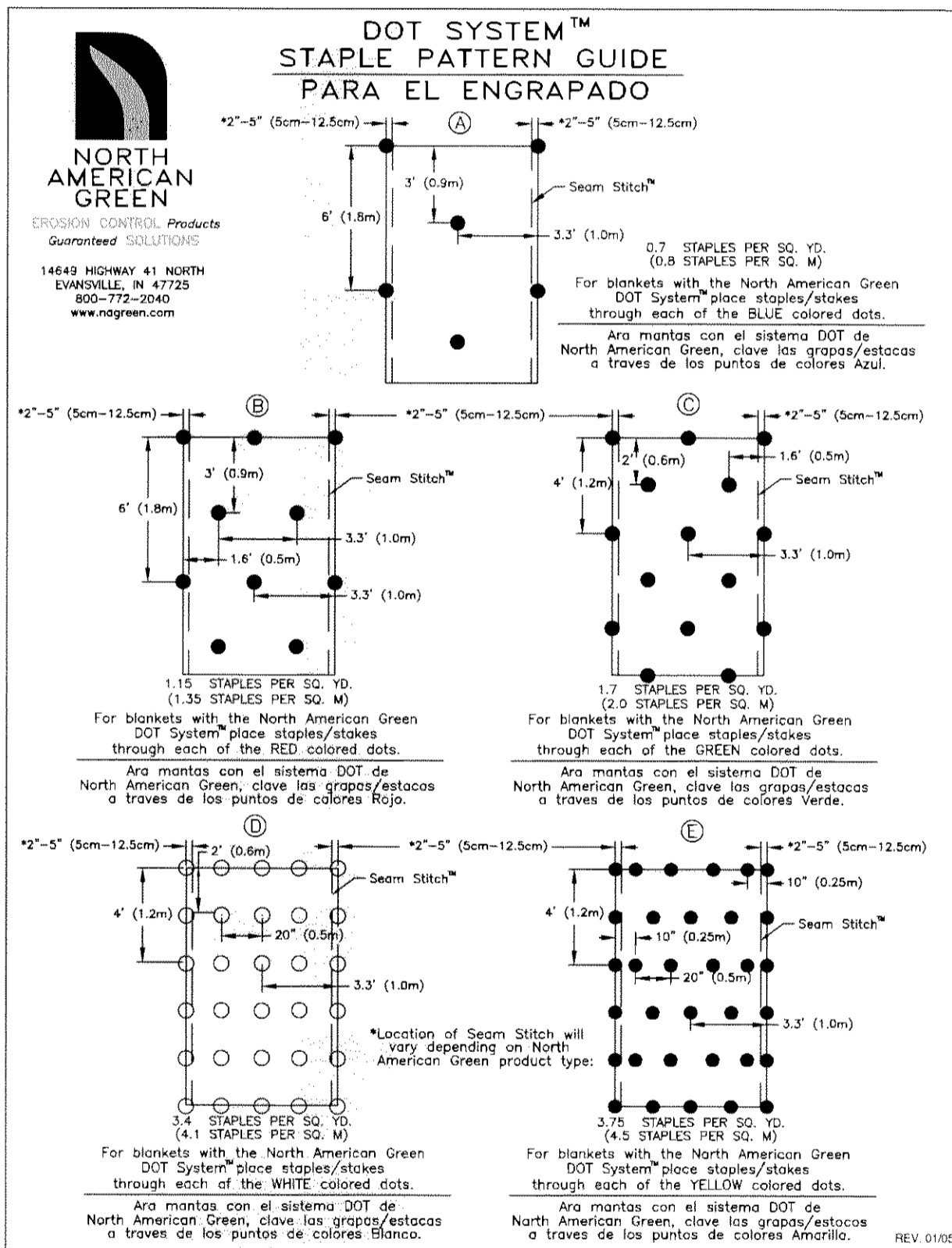
INSPECT CONSTRUCTION ENTRANCES EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24-HOURS AFTER EACH RAINFALL EVENT THAT PRODUCES 1/2-INCHES OR MORE OF PRECIPITATION, OR AFTER HEAVY USE. CHECK FOR MUD AND SEDIMENT BUILDUP AND PAD INTEGRITY. MAKE DAILY INSPECTIONS DURING PERIODS OF WET WEATHER. MAINTENANCE IS REQUIRED MORE FREQUENTLY IN WET WEATHER CONDITIONS. RESHAPE THE STONE PAD AS NEEDED FOR DRAINAGE AND RUNOFF CONTROL. WASH OR REPLACE STONES AS NEEDED AND AS DIRECTED BY THE INSPECTOR. THE STONE IN THE ENTRANCE SHOULD BE WASHED OR REPLACED WHENEVER THE ENTRANCE FAILS TO REDUCE MUD BEING CARRIED OFF-SITE BY VEHICLES. FREQUENT WASHING WILL EXTEND THE USEFUL LIFE OF STONE. IMMEDIATELY REMOVE MUD AND SEDIMENT TRACKED OR WASHED ONTO PUBLIC ROADS BY BRUSHING OR SWEEPING. FLUSHING SHOULD ONLY BE USED WHEN THE WATER CAN BE DISCHARGED TO A SEDIMENT TRAP OR BASIN. REPAIR ANY BROKEN PAVEMENT IMMEDIATELY.



STABILIZED CONSTRUCTION ENTRANCE

(SCDHEC DETAIL SC-06 PAGES 1-3 OF 3)

NOT TO SCALE



1. PREPARE SOIL BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED. NOTE: WHEN USING CELL-O-SEED DO NOT SEED PREPARED AREA. CELL-O-SEED MUST BE INSTALLED WITH PAPER SIDE DOWN.
 2. BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE RECP'S.
 3. ROLL THE RECP'S (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE. WHEN USING THE DOT SYSTEM™, STAPLES/STAKES SHOULD BE PLACED THROUGH EACH OF THE COLORED DOTS CORRESPONDING TO THE APPROPRIATE STAPLE PATTERN.
 4. THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 2" - 5" (5 CM - 12.5 CM) OVERLAP DEPENDING ON RECP'S TYPE.
 5. CONSECUTIVE RECP'S SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE RECP'S WIDTH.
- NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

EROSION CONTROL BLANKET INSPECTION AND MAINTENANCE

Inspect areas protected by ECBs for dislocation or failure every 7 calendar days. Conduct regular inspections until grasses are firmly established.

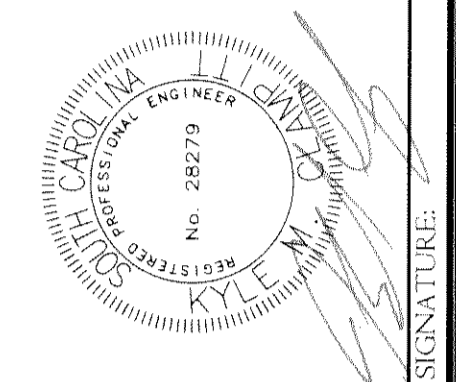
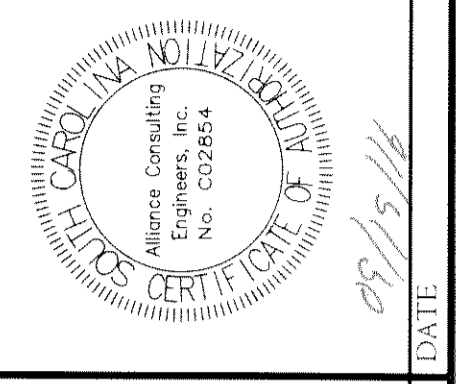
Adhere to the pinning or stapling pattern as shown on the Manufacturer's installation sheet. If there is evidence that the ECB is not securely fastened to the soil, require extra pins or staples to inhibit the ECB from becoming dislodged.

If washout or breakage occurs, repair all damaged areas immediately by restoring the soil on slopes or channels to its finished grade, re-apply fertilizer and seed, and replacing the appropriate ECB material as needed.

SLOPE INSTALLATION

NOT TO SCALE

APPROVALS	
ENGINEER	KMC
DESIGNER	BSW
TECHNICAL	RTD/JEPH
CHECKED BY	BSW
APPROVED	KMC



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CONSULTING ENGINEERS

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Post Office Box 847, Columbia, South Carolina 29302-8147
Phone (803) 779-2078 Fax (803) 779-2079

EROSION AND SEDIMENT
CONTROL DETAILS
(1 OF 2)

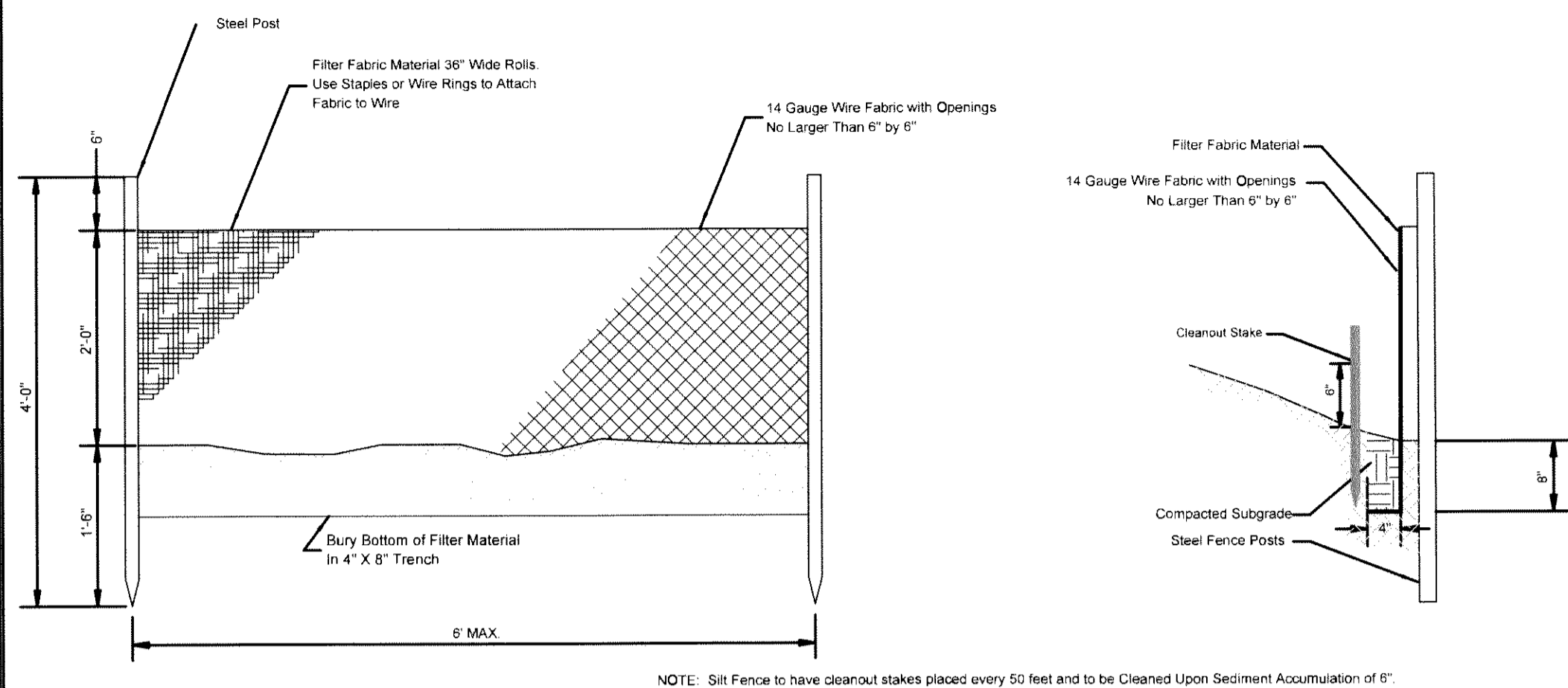
SCALE: N/A
DATE: NOVEMBER 2015
SOUTH CAROLINA

PROFESSIONAL SERVICES
FOR THE
COLLETON COUNTY SOLID
WASTE TRANSFER STATION
IN
COLLETON COUNTY,
SOUTH CAROLINA

COLLETON COUNTY
SOUTH CAROLINA

FILE NAME: C7.DWG
REFERENCE FILE: BASE.dwg
PROJECT NO: 15195-0015
DWG NO. 01.967-D17

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NOTE: Silt Fence to have cleanout stakes placed every 50 feet and to be Cleaned Upon Sediment Accumulation of 6"

SILT FENCE
NOT TO SCALE

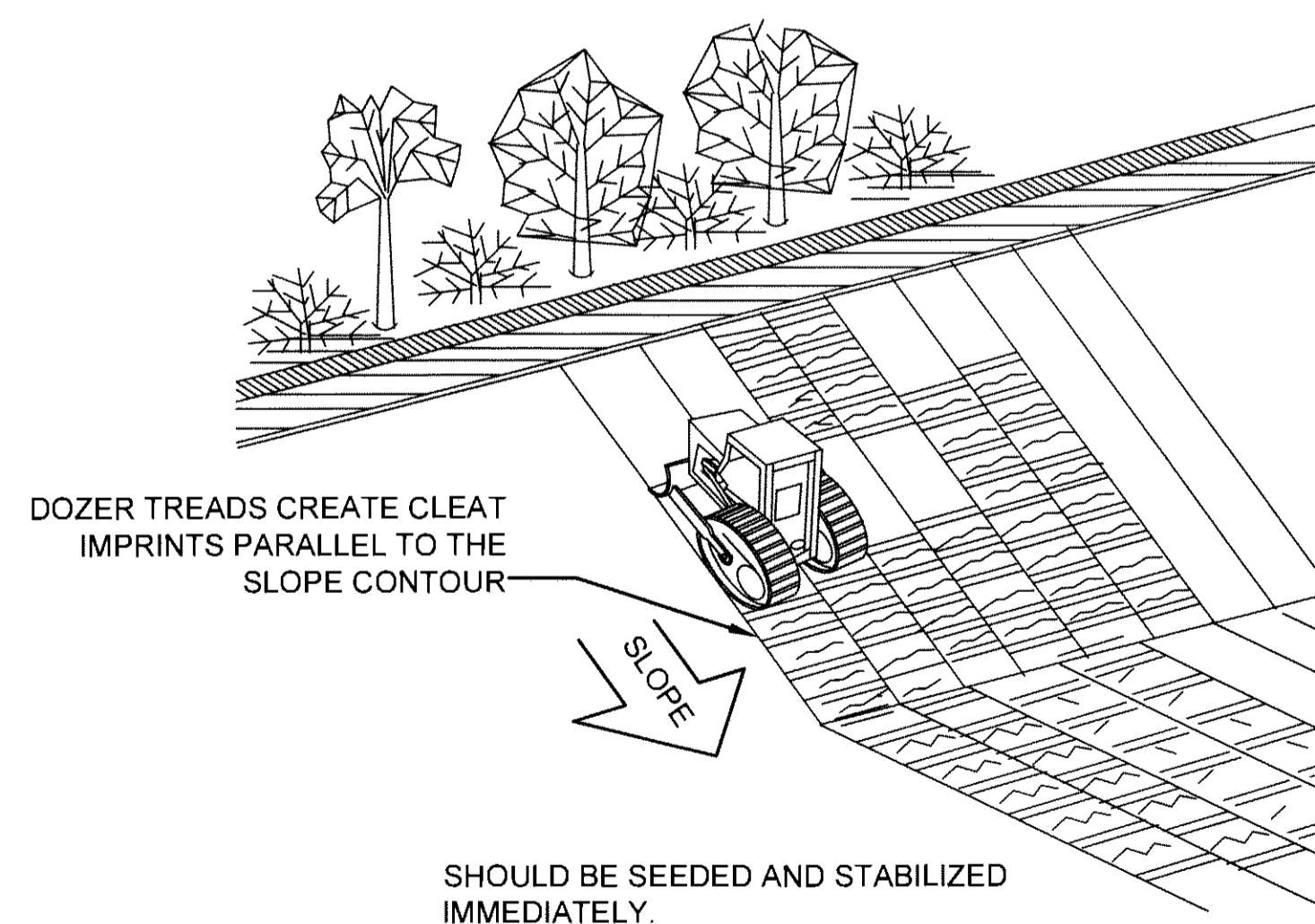
Materials
Steel Posts
 Use 48-inch long steel posts that meet the following minimum physical requirements:
 Composed of high strength steel with a minimum yield strength of 50,000 psi
 Have a standard "T" section with a nominal face wide of 1.38-inches and nominal "T" length of 1.48-inches
 Weight of 1.25 pounds per foot (±8%)
 Have a soil stabilization plate with a minimum cross section area of 17-square inches attached to the steel posts
 Painted with a water based baked enamel paint
 Use steel posts with a minimum length of 4-feet, weighing 1.25 pounds per linear foot (±8%) with projections to aid in fastening the fabric. Except when heavy clay soils are present on site, steel posts will have a metal soil stabilization plate welded near the bottom such that when the post is driven to the proper depth, the plate will be below the ground level for added stability
 The soil plates should have the following characteristics:
 Be composed of minimum 15 gauge steel
 Have a minimum cross section area of 17-square inches

Geotextile Filter Fabric
 Filter fabric is:
 Composed of fibers consisting of long chain synthetic polymers composed of at least 85% by weight of polyolefins, polyesters, or polyamides. Formed into a network such that the filaments or yarns retain dimensional stability relative to each other. Free of any treatment or coating which might adversely affect its physical properties after installation. Free of defects or flaws that significantly affect its physical and/or filtering properties. Cut to a minimum width of 36 inches.

Use only fabric appearing on SCDOT Approval Sheet #34 meeting the requirements of the most current edition of the SCDOT Standard Specifications for Highway Construction

Installation
 Excavate a trench approximately 6-inches wide and 6-inches deep when placing fabric by hand. Place 12-inches of geotextile fabric into the 6-inch deep trench, extending the remaining 6-inches towards the upslope side of the trench. Backfill the trench with soil or gravel and compact. Bury 12-inches of fabric into the ground when pneumatically installing silt fence with a slicing method. Purchase fabric in continuous rolls and cut to the length of the barrier to avoid joints. When joints are necessary, wrapped the fabric together at a support post with both ends fastened to the post, with a 6-inch minimum overlap. Install posts to a minimum depth of 24-inches. Install posts a minimum of 1- to 2-inches above the fabric, with no more than 3-feet of the post above the ground. Space posts to maximum 6-foot centers. Attach fabric to wood posts using staples made of heavy-duty wire at least 1 1/2-inch long, spaced a maximum of 6-inches apart. Staple a 2-inch wide lathe over the filter fabric to securely fasten it to the upslope side of wooden posts. Attach fabric to the steel posts using heavy-duty plastic ties that are evenly spaced and placed in a manner to prevent sagging or tearing of the fabric. In all cases, ties should be affixed in no less than 4 places. Install the fabric a minimum of 24-inches above the ground. When necessary, the height of the fence above ground may be greater than 24-inches. In tidal areas, extra silt fence height may be required. The post height will be twice the exposed post height. Post spacing will remain the same and extra height fabric will be 4-, 5-, or 6-feet tall. Locate silt fence checks every 100 feet maximum and at low points. Install the fence perpendicular to the direction of flow and place the fence the proper distance from the toe of steep slopes to provide sediment storage and access for maintenance and cleanout.

Inspection and Maintenance
 Inspect every seven calendar days. Check for sediment buildup and fence integrity. Check where runoff has eroded a channel beneath the fence, or where the fence has sagged or collapsed by fence overtopping. If the fence fabric tears, begins to decompose, or in any way becomes ineffective, replace the section of fence immediately. Remove sediment accumulated along the fence when it reaches 1/3 the height of the fence, especially if heavy rains are expected. Remove trapped sediment from the site or stabilize it on site. Remove silt fence within 30 days after final stabilization is achieved or after temporary best management practices (BMPs) are no longer needed. Permanently stabilize disturbed areas resulting from fence removal



TRACKING
(SCDHEC DETAIL EC-01)
NOT TO SCALE

ISOMETRIC VIEW
SHOWN WITH ROADWAY PROJECTS FILTER HAT

PLAN VIEW

ELEVATION VIEW

REPLACEMENT FILTERS: MODEL # S-240

SQUARE FRAME & FILTER ASSEMBLY
Model # S-200A

FRAME MATERIAL: BLACK 0.25\"/>

FRAME FABRIC MATERIAL: REFER TO SPEC

SCALE: NOT TO SCALE

LAST UPDATED: APRIL 2010

SILT-SAVER, INC. 1094 CULPEPPER DRIVE, CONYERS, GA 30094 PHONE: (770) 388-7818 FAX: (770) 388-7640 TOLL-FREE: 1-888-302-SILT (7438) www.silt-saver.com

FILTER OPTIONS
 FILTER HAT IS AVAILABLE IN THREE OPTIONS:
 1) ALL HIGH-FLOW MATERIAL
 2) ALL HIGH-EFFICIENCY MATERIAL
 3) HIGH-FLOW MATERIAL ON TOP HALF OF HAT, HIGH-EFFICIENCY MATERIAL ON BOTTOM HALF (THIS FILTER COVER IS RECOMMENDED FOR ALL ROADWAY PROJECTS)
 IT IS THE PURCHASERS RESPONSIBILITY TO PURCHASE APPROPRIATE FILTER HAT. PURCHASER SHALL PROVIDE ROCK FOR FILTER POCKETS.

FILTER HAT INSTALLATION
 FILTER HAT SLIDES DIRECTLY OVER FILTER FRAME. TO KEEP FILTER FRAME IN PLACE OVER STORM STRUCTURE, ROCK POCKETS ARE SEWN DIRECTLY INTO FILTER HAT MATERIAL. EVERY FILTER HAT COMES IN ONE PIECE FOR EASY INSTALLATION.

MAINTENANCE
 ALL TEMPORARY EROSION, SEDIMENTATION, & POLLUTION CONTROL PRACTICES SHOULD BE INSPECTED DAILY. CONTRACTOR SHALL REMOVE SEDIMENT AND DISPOSE OF IN A PROPER MANNER. INSPECT S-200A DAILY FOR CLOGS, ABRASIONS, AND PROPER INSTALLATION. REPLACE OR REPOSITION AS NECESSARY.

SPECIFICATIONS
 FILTER FABRIC SILT-SAVER HAT SHALL BE BASED ON DESIGN PROFESSIONAL'S SPECIFICATIONS:

HEAD - 3.0'

FRAME & FILTER DISCHARGE ANALYSIS

HEAD (FT)	EQUATION USED	OPENING AREA (SF)	FRAME AREA (SF)	FILTER AREA (SF)	FILTERED FLOW (CFS)
0.5	O	2.1	7	8	2
1.0	O	3.9	15	12	3
1.5	O	7.0	41	18	5
2.0	O	8.8	54	24	7
2.5	O	9.2	70	30	9
3.0	O	9.2	77	—	77

DUE TO NARROW SLOT, A TRANSITION WILL OCCUR BETWEEN WEIR AND ORIFICE CONDITIONS. ORIFICE FLOW WILL PROVIDE A MORE CONSERVATIVE ESTIMATE OF FLOW, THEREFORE THE LESSER OF THE ORIFICE AND WEIR FLOWS WILL BE USED FOR EACH STAGE CALCULATION.

FILTER MATERIAL ALLOWS 129 gpm/SF OR 0.28in/SF
 ORIFICE EQUATION (O) = 0.45 842/gpm/SF
 P = FEET PERIMETER
 h = HEAD IN FEET
 Q = CAPACITY IN CFS
 A = FREE OPEN AREA OF FRAME
 g = 32.2 FEET-PER-SECOND/SECOND

REVISION DATE

APPROVALS	ENGINEER	DESIGNER	REGISTERED	CHECKED BY	APPROVED
	KMC	RSW	RTD/LEH	RSW	KMC

CAPITOL CONSULTING ENGINEERS, INC. PROFESSIONAL ENGINEER No. C02864

DATE: 09/19/16

KYLE M. M... SIGNATURE

ALLIANCE CONSULTING ENGINEERS

Alliance Consulting Engineers, Inc. 10002-8147
 P.O. Box 803 • Fax: (803) 778-2077

SCALE: N/A

EROSION AND SEDIMENT CONTROL DETAILS
(2 OF 2)

DATE: NOVEMBER 2015

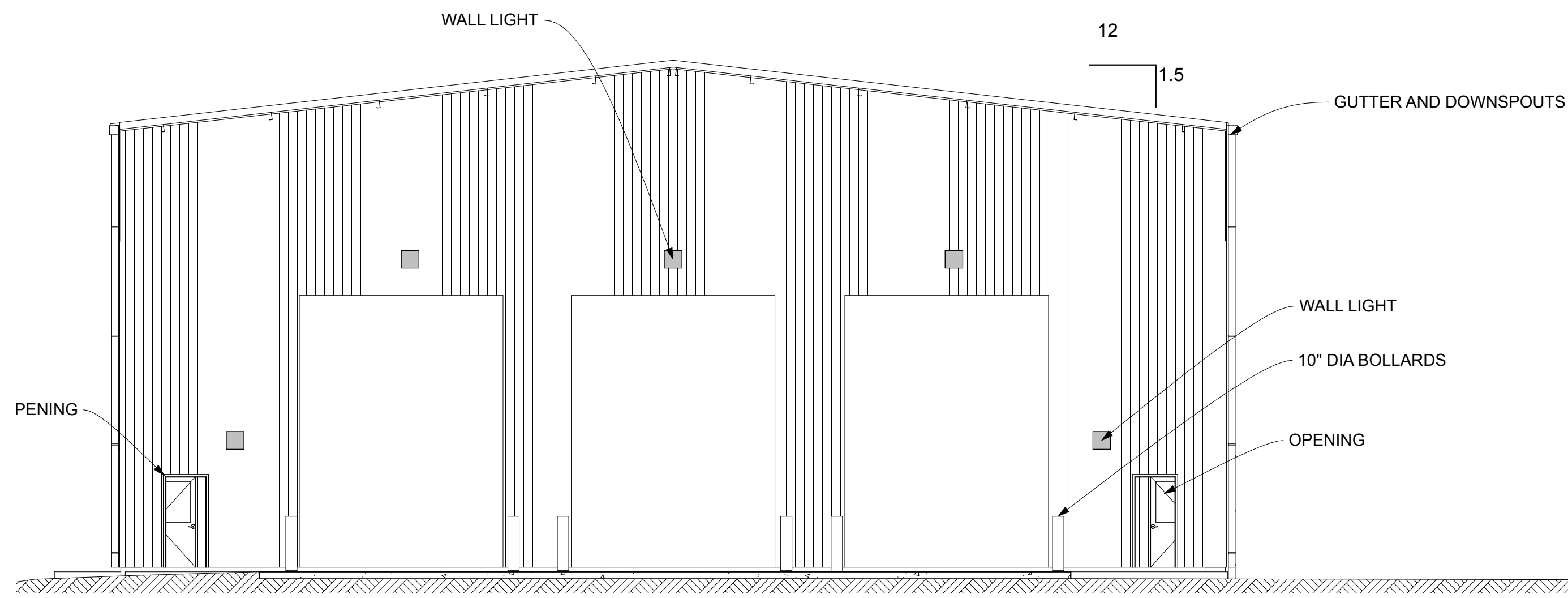
PROFESSIONAL SERVICES FOR THE COLLETON COUNTY SOLID WASTE TRANSFER STATION IN COLLETON COUNTY, SOUTH CAROLINA

PROJECT: COLLETON COUNTY

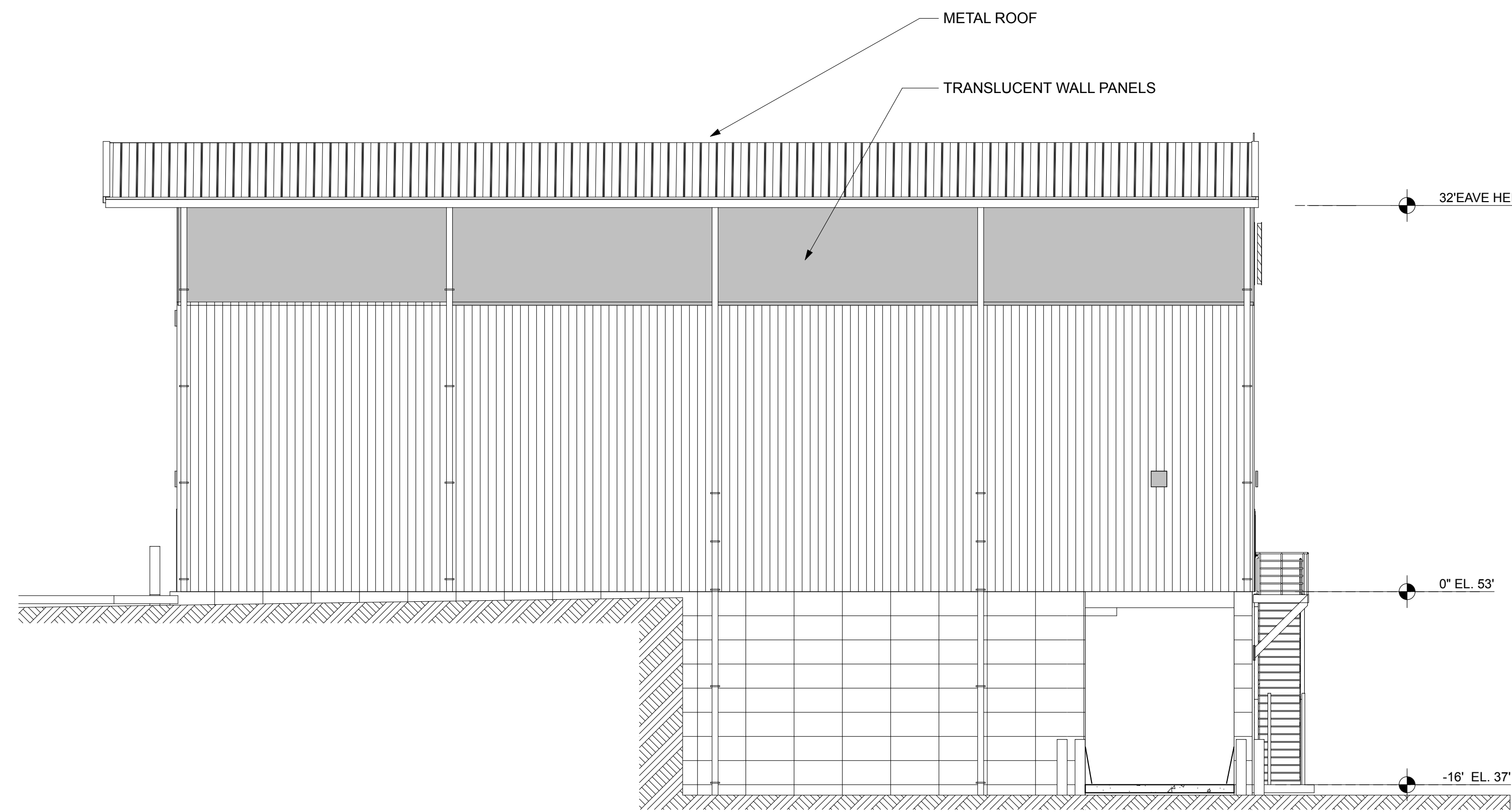
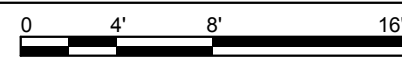
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 REFERENCE FILE: BASE.dwg
 PROJECT NO: 15195-0015

SHEET C8

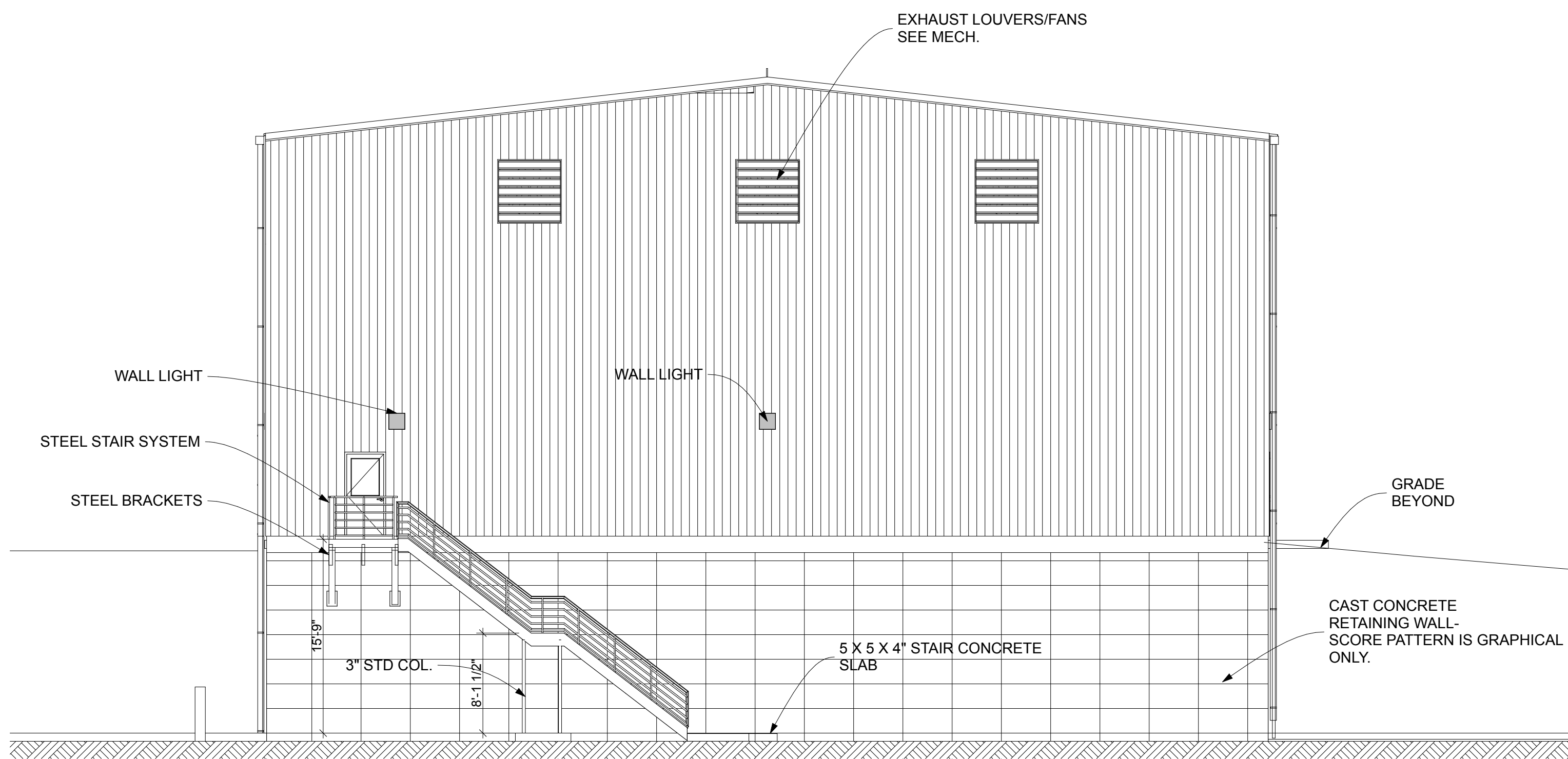
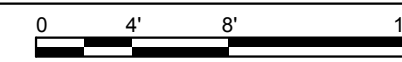
DWG NO. 01.967-D17



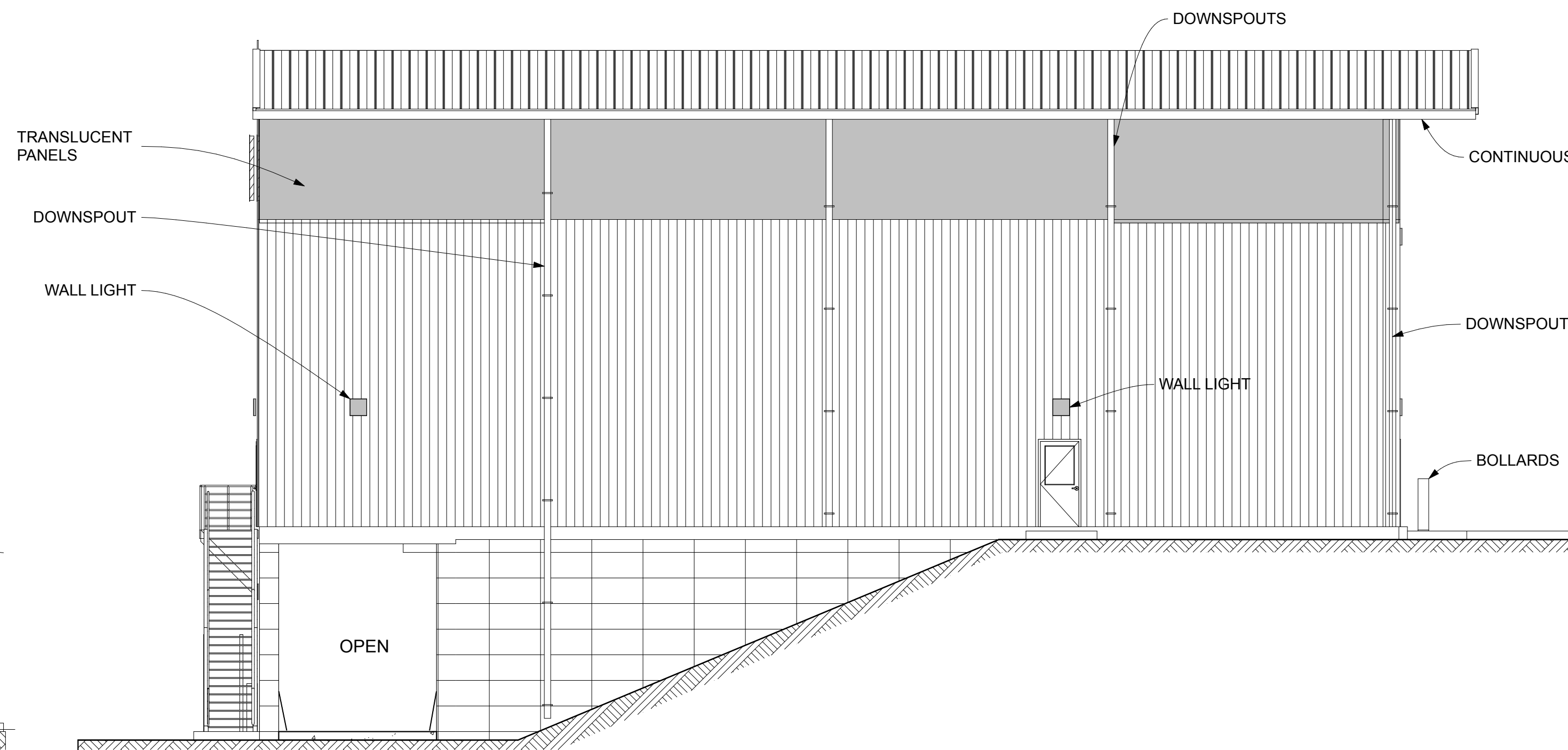
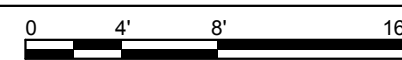
1 SOUTH ELEVATION
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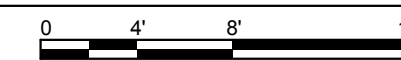
3 EAST ELEVATION
SCALE: 1/8" = 1'-0"



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



4 WEST ELEVATION
SCALE: 1/8" = 1'-0"



REVISION				
NO.	DATE	DESCRIPTION	BY	APP.

APPROVALS	ENGINEER	DESIGNER	TECHNICIAN	CHECKED BY	APPROVED

DATE

SIGNATURE:

R.W. CHAMBERS, ARCHITECT
 PO BOX 1181
 BEAUFORT, S.C. 29901
 843-379-1000

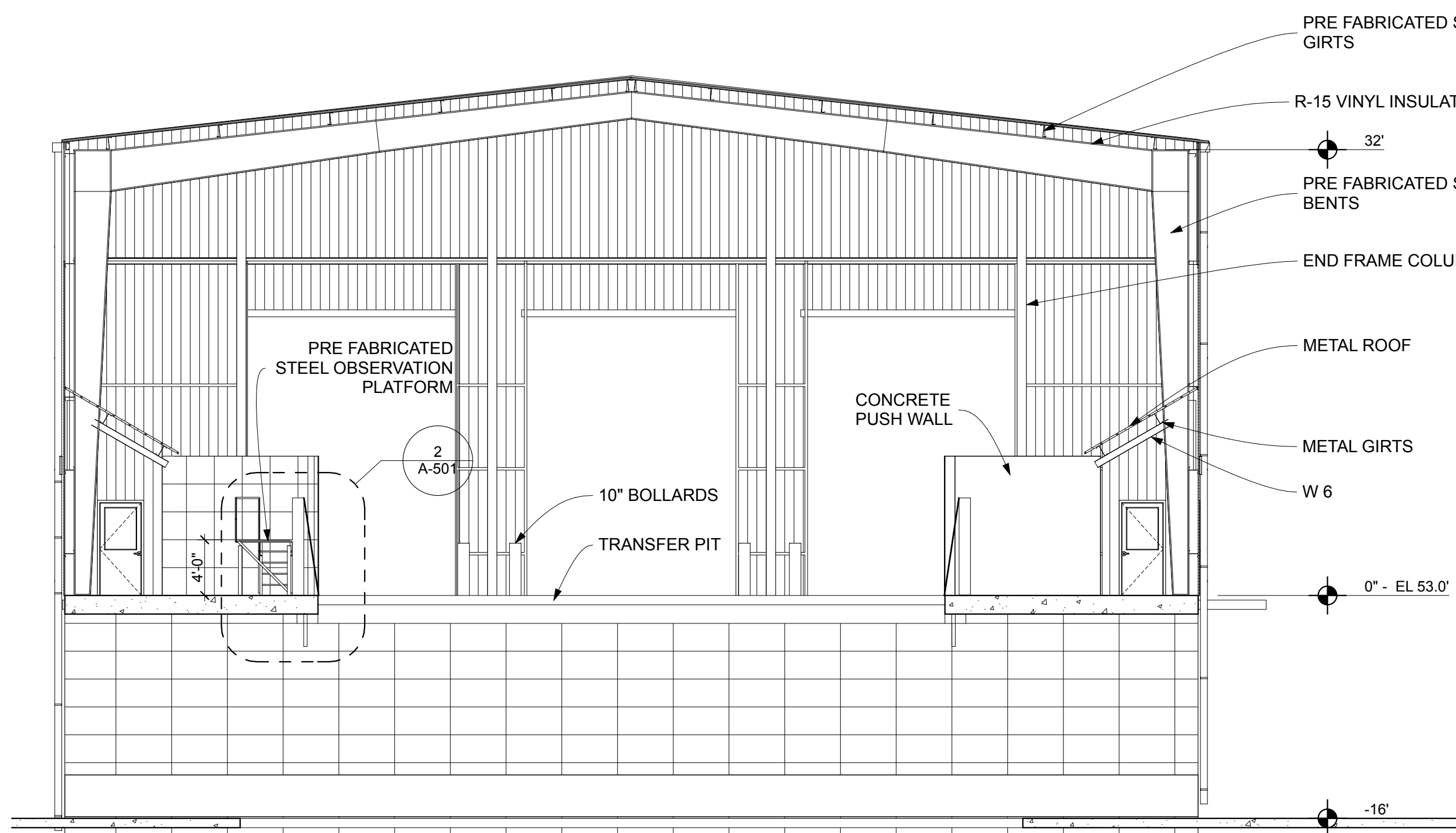
ELEVATIONS

DATE: AUGUST 2016

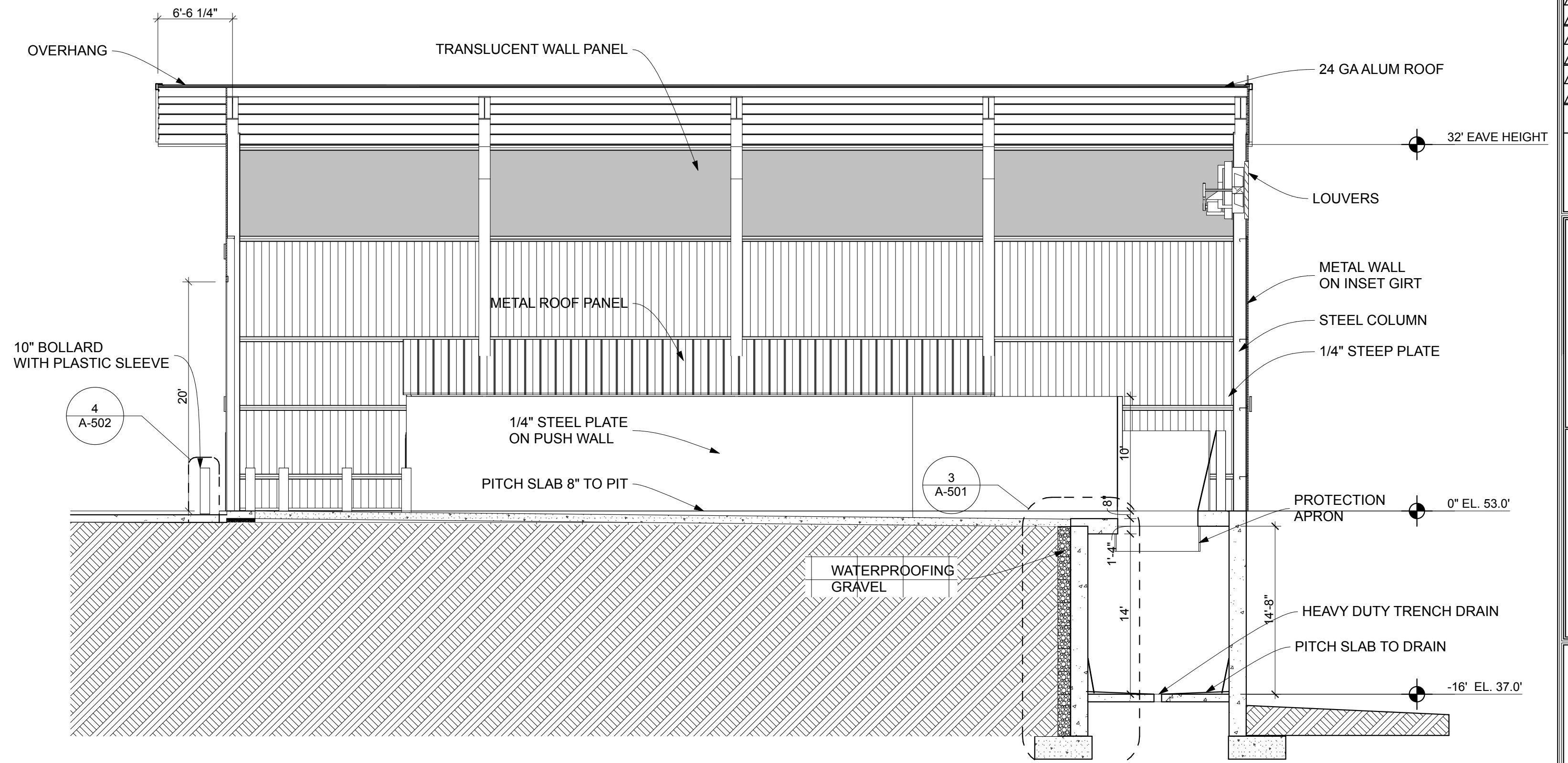
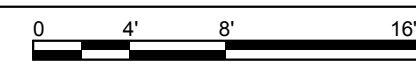
PROJECT
**COLLETON COUNTY SOLID
 WASTE TRANSFER STATION**
 in
**COLLETON COUNTY,
 SOUTH CAROLINA**

FILE NAME:	A-201
REFERENCE FILE:	
PROJECT NO. 15195-0015	

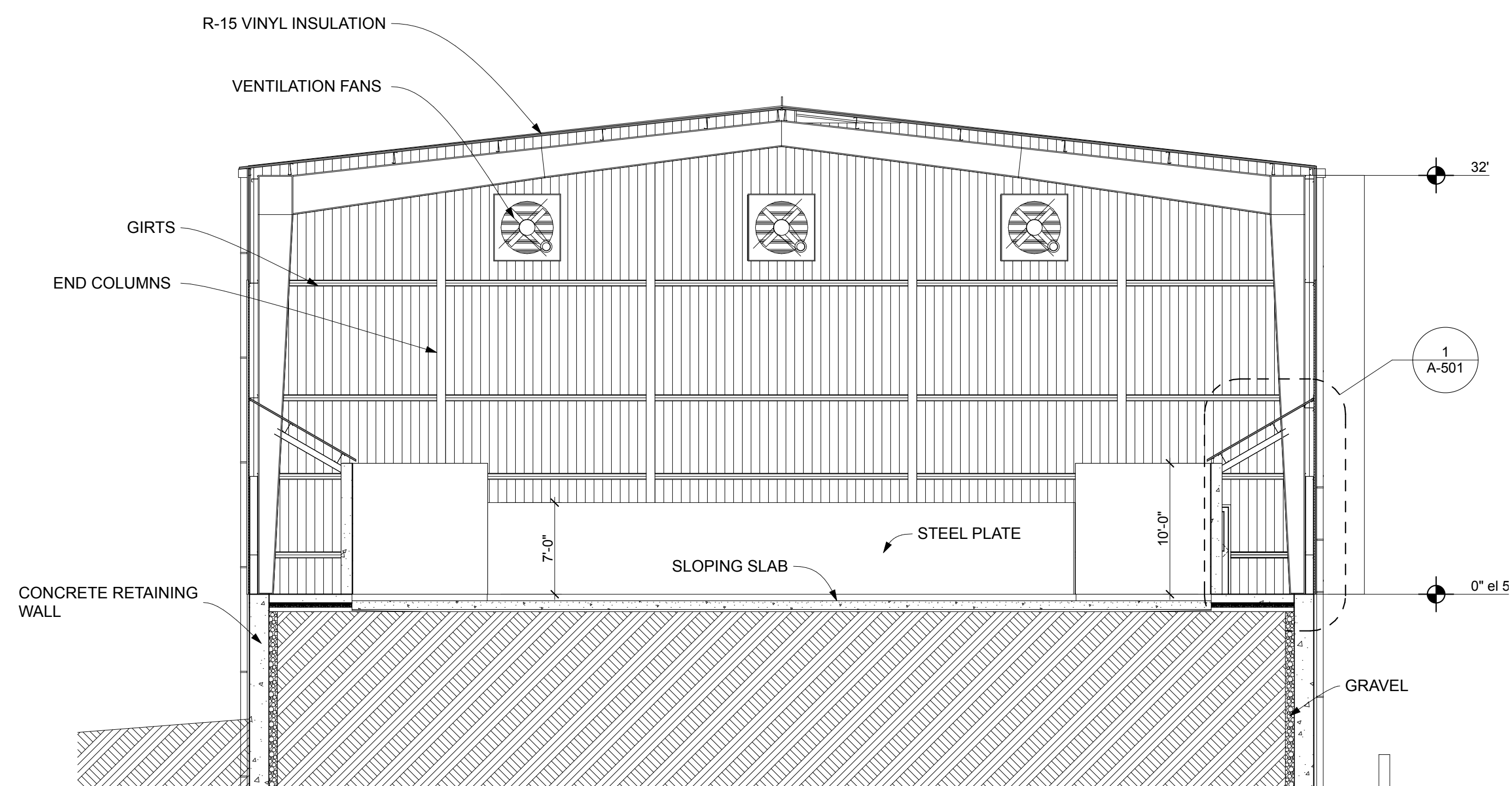
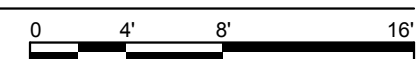
SHEET 2
OF 6



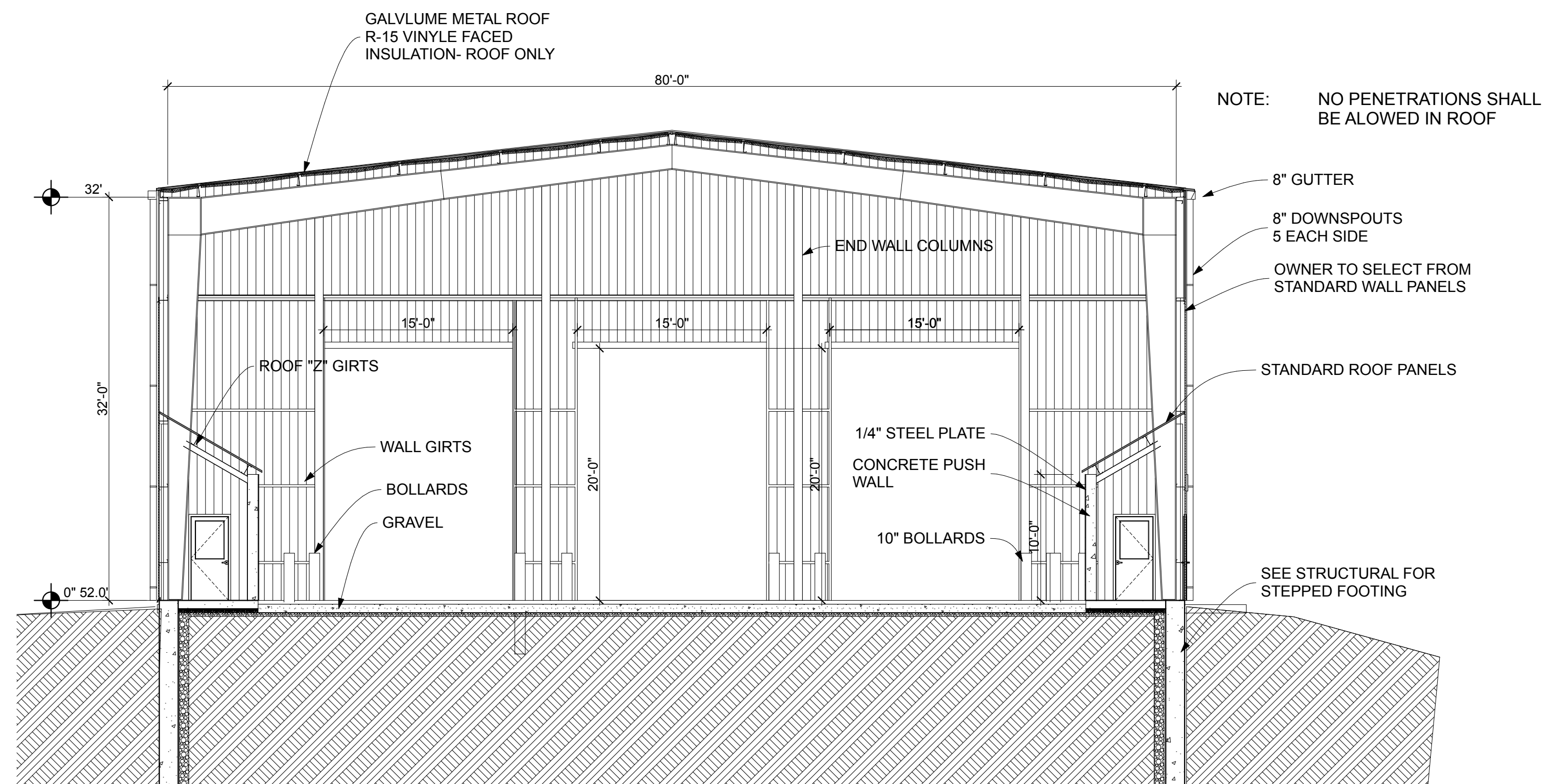
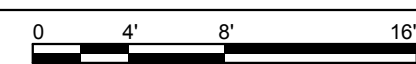
3 SECTION
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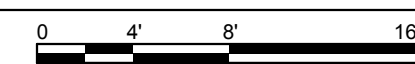
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4 SECTION
SCALE: 1/8" = 1'-0"

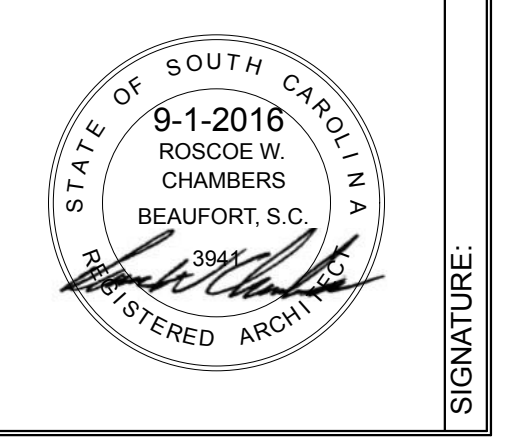


2 SECTION
SCALE: 1/8" = 1'-0"



REVISION	
NO.	DATE

APPROVALS	DATE
ENGINEER	
DESIGNER	
TECHNICIAN	
CHECKED BY	
APPROVED	



R.W. CHAMBERS, ARCHITECT
PO BOX 1181
BEAUFORT, S.C. 29901
843-379-1000

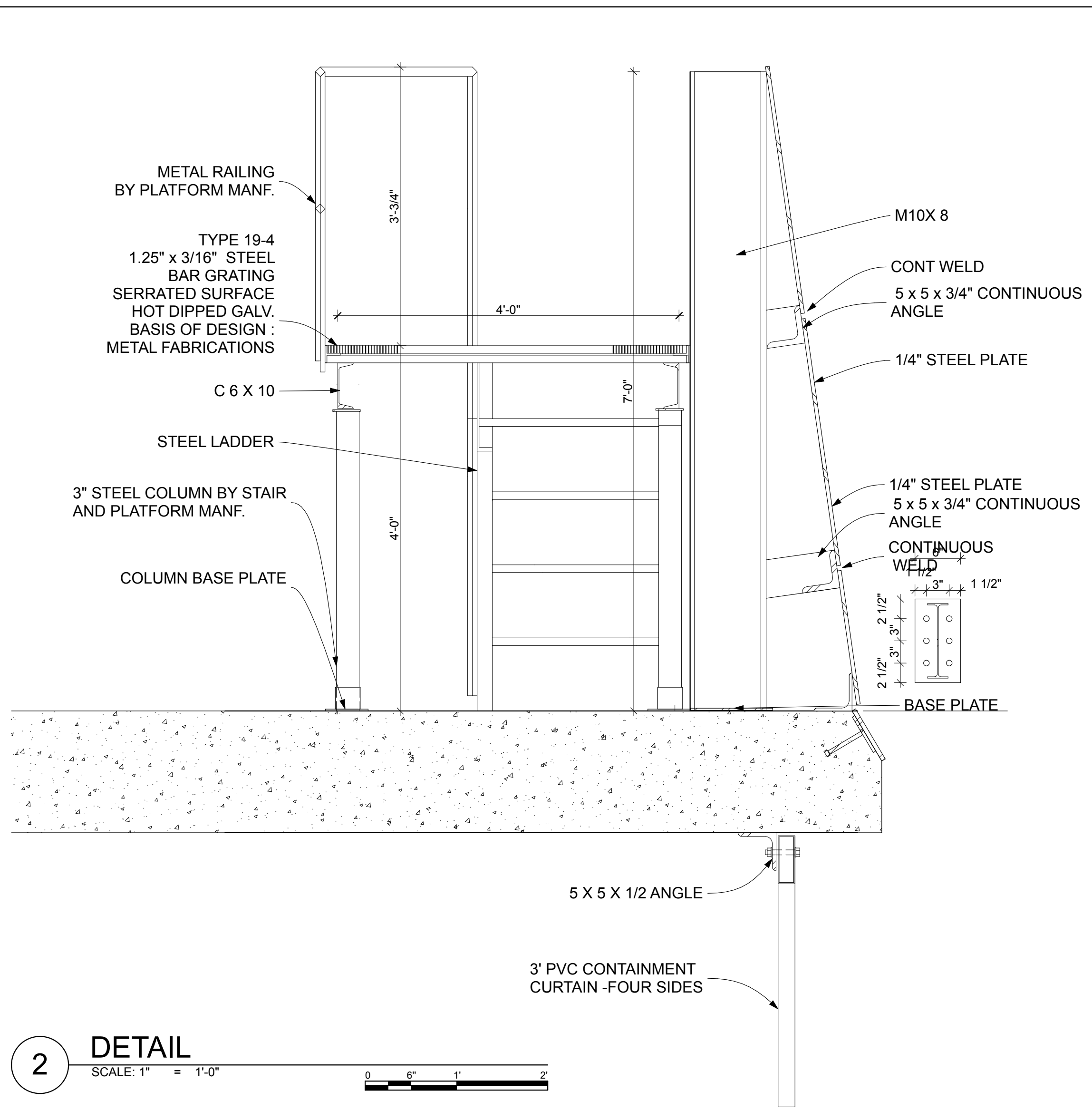
BUILDING SECTIONS

PROJECT
COLLETON COUNTY SOLID WASTE TRANSFER STATION
in
COLLETON COUNTY, SOUTH CAROLINA

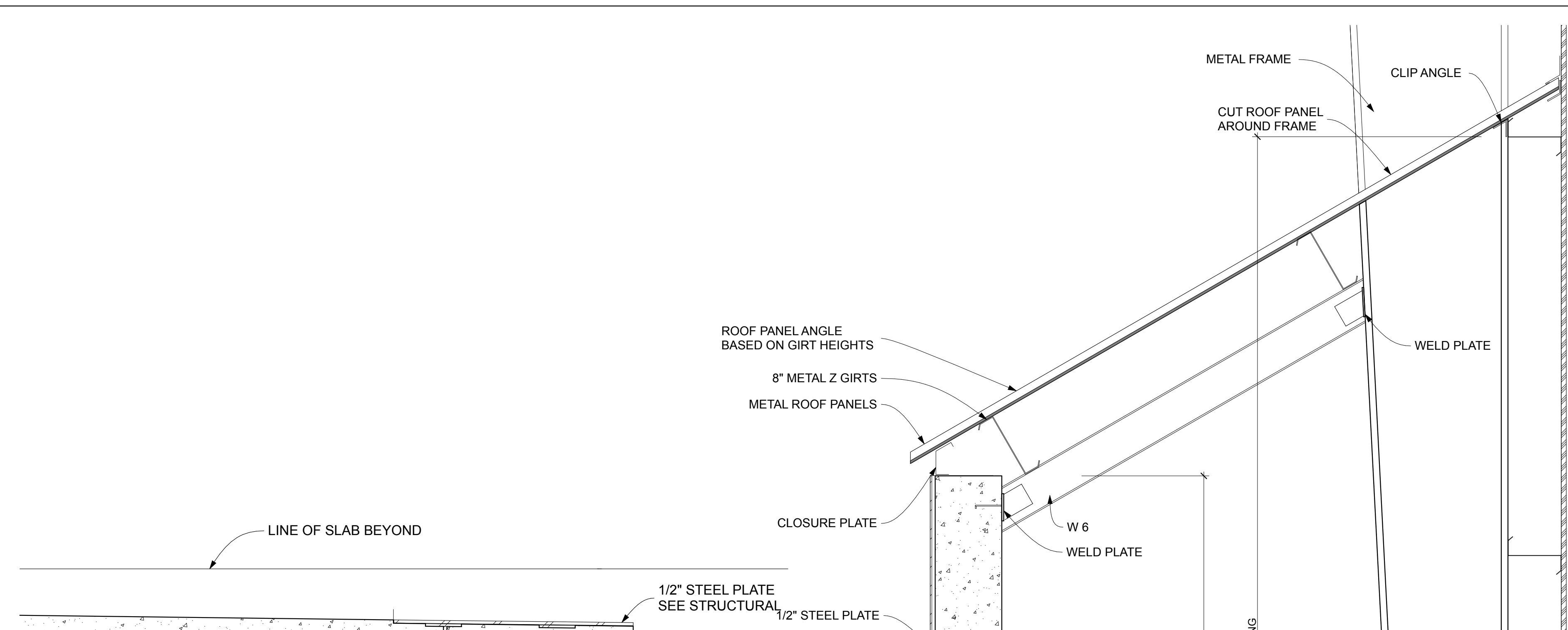
FILE NAME:
REFERENCE FILE:
PROJECT NO.
15195-0015

A-301
SHEET 3
OF 6

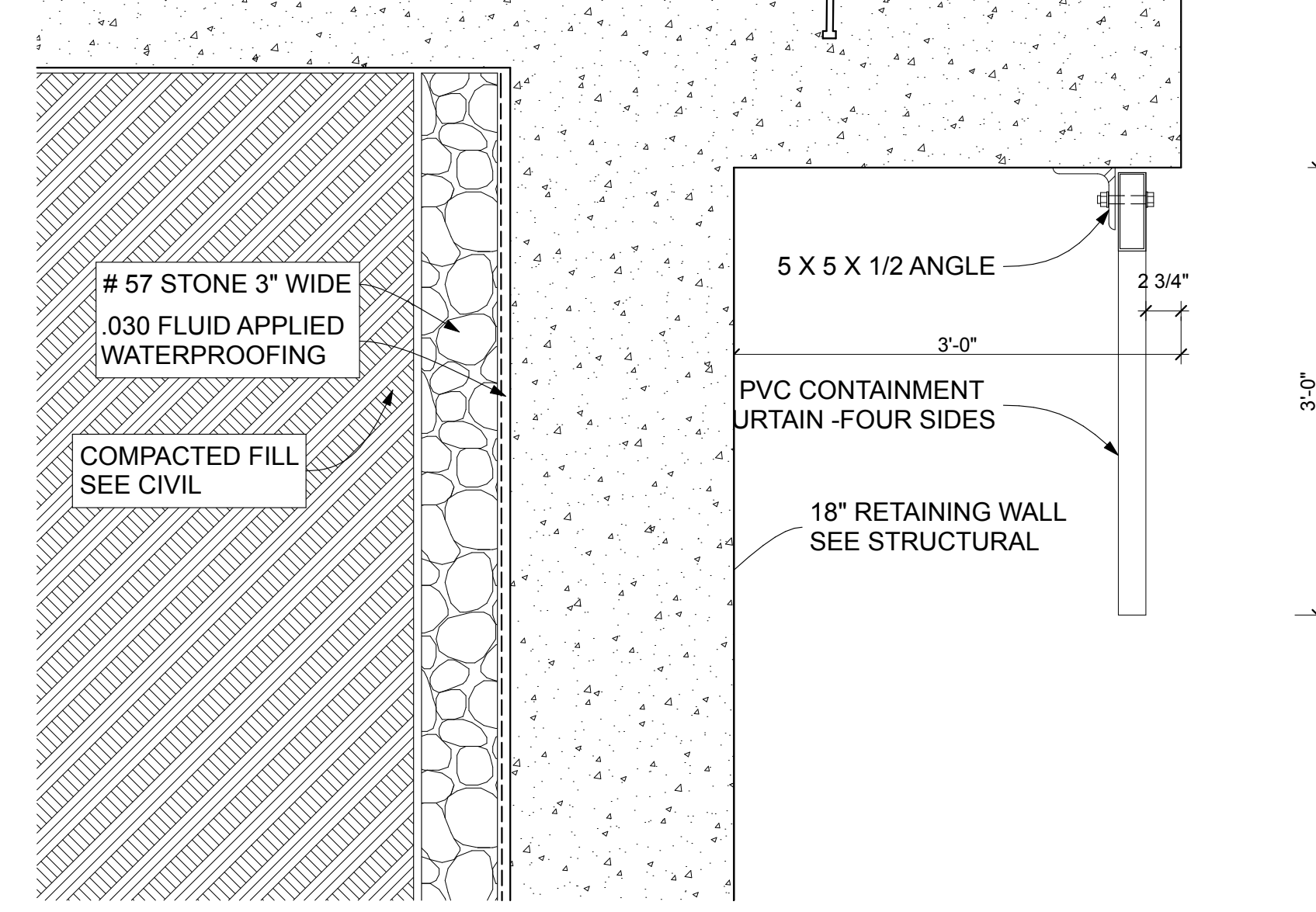
DATE: AUGUST 2016



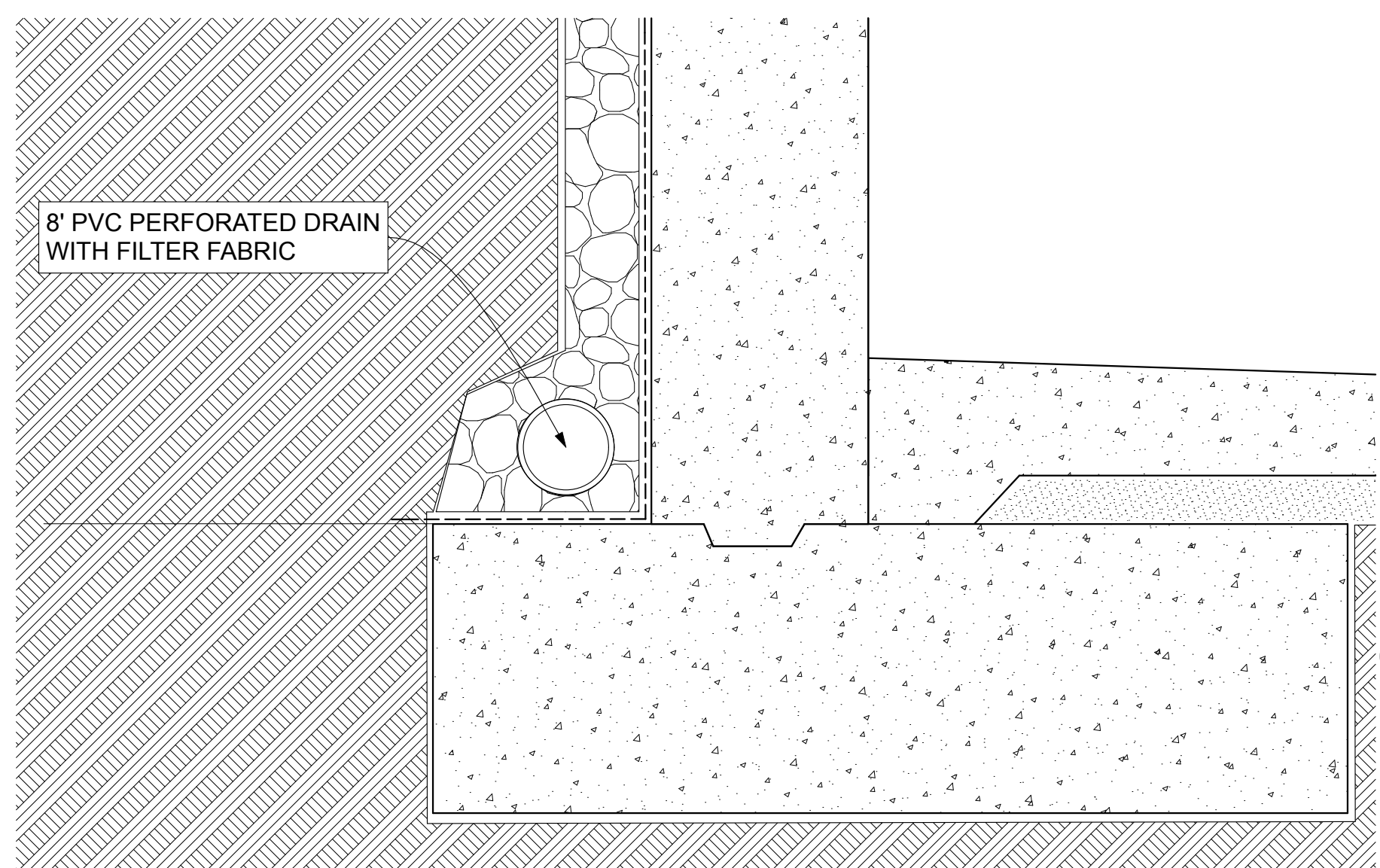
2 DETAIL
SCALE: 1" = 1'-0"



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



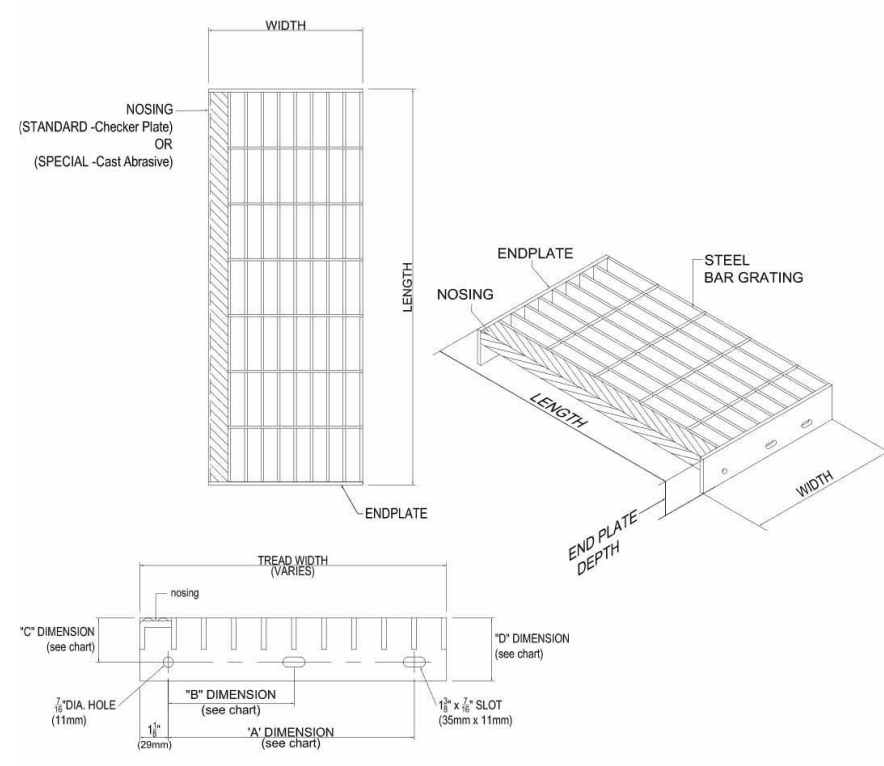
3 DETAIL
SCALE: 1" = 1'-0"



REVISION DATE					
APPROVALS	ENGINEER	DESIGNER	TECHNICIAN	CHECKED BY	APPROVED
STATE OF SOUTH CAROLINA 9-1-2016 ROScoe W. CHAMBERS BEAUFORT, S.C. REGISTERED ARCHITECT				SIGNATURE:	DATE
R.W. CHAMBERS, ARCHITECT PO BOX 1181 BEAUFORT, S.C. 29901 843-379-1000					
DETAIL					
PROJECT COLLETON COUNTY SOLID WASTE TRANSFER STATION in COLLETON COUNTY, SOUTH CAROLINA					
FILE NAME:	A-501				
REFERENCE FILE:					
PROJECT NO.	15195-0015				
SHEET 4				OF 6	

DATE: AUGUST 2016

STANDARD TREAD DETAIL



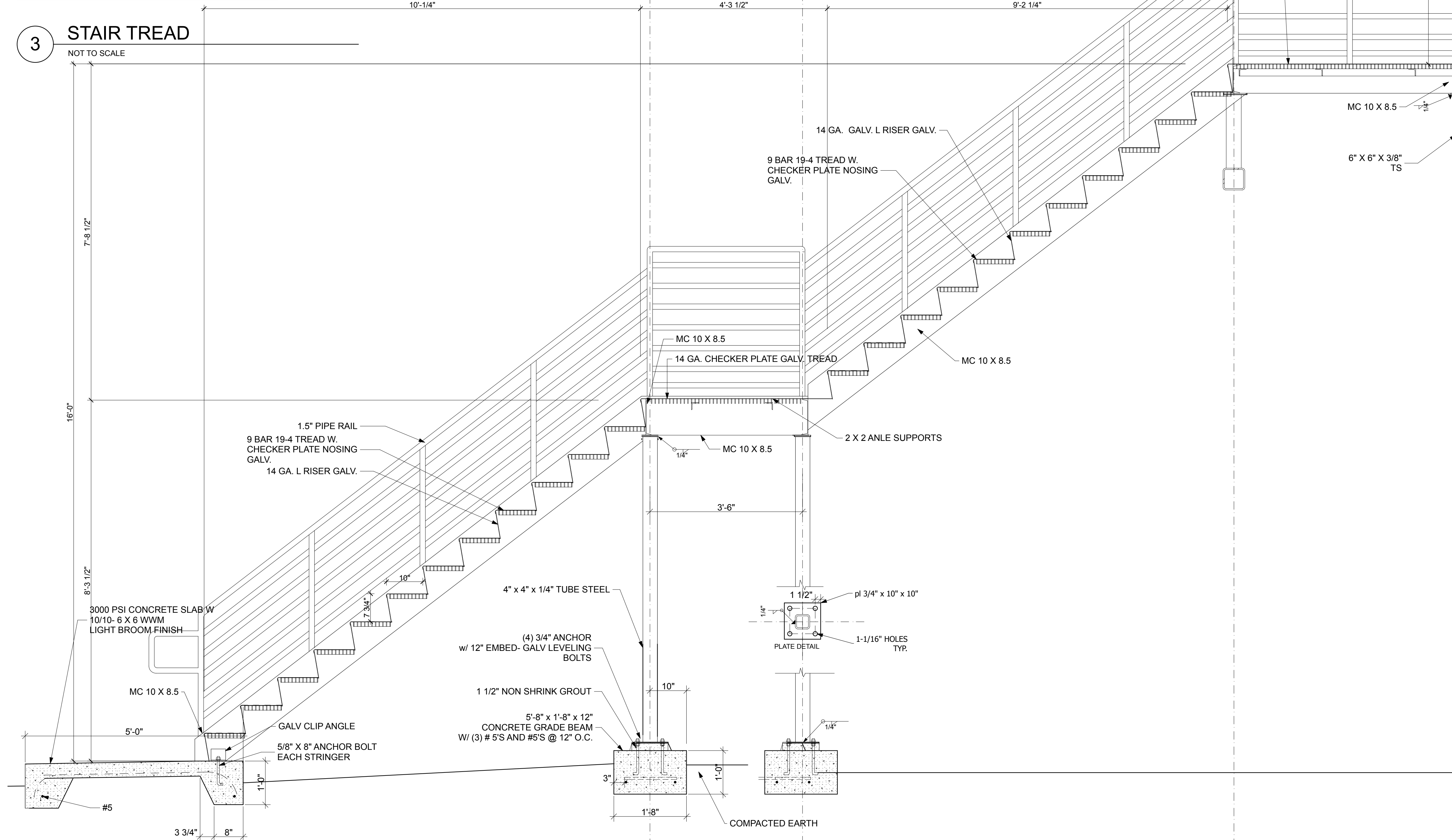
TREAD WITH CHECKER PLATE NOSING (STANDARD)

Tru-Weld standard treads with checker plate nosings are cost effective, durable and self-cleaning. The checker plate nosing insures maximum visibility and underfoot safety where needed most.



3 STAIR TREAD

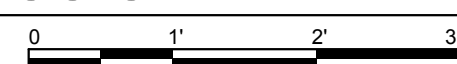
NOT TO SCALE



NOTE: 1. ALL STEEL SHALL BE HOT DIPPED GALV. AND TWO COAT INDUSTRIAL YELLOW.

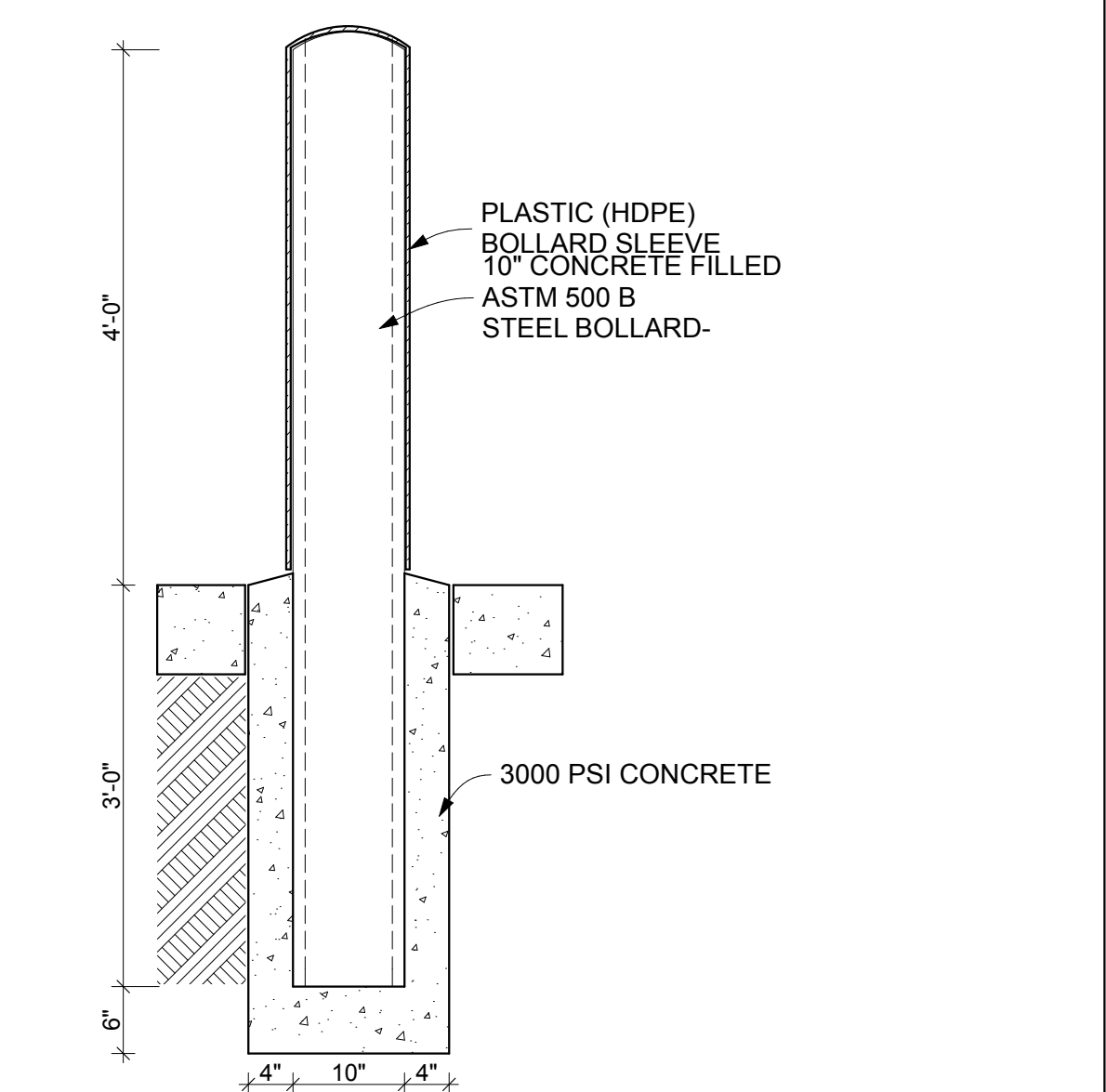
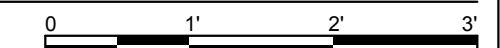
1 EXTERIOR EGRESS STAIR

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



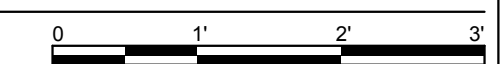
2 EXTERIOR EGRESS STAIR

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



4 BOLLARD DETAIL

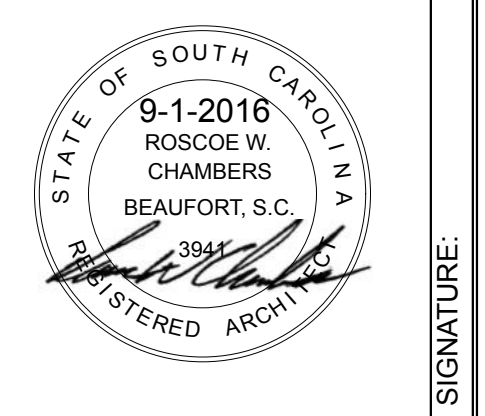
SCALE: 3/4" = 1'-0"



REVISION	
NO.	DATE

APPROVALS				
ENGINEER	DESIGNER	TECHNICIAN	CHECKED BY	APPROVED

DATE



R.W. CHAMBERS, ARCHITECT
 PO BOX 1181
 BEAUFORT, S.C. 29901
 843-379-1000

DETAILS

PROJECT
 COLLETON COUNTY SOLID WASTE TRANSFER STATION
 in COLLETON COUNTY, SOUTH CAROLINA

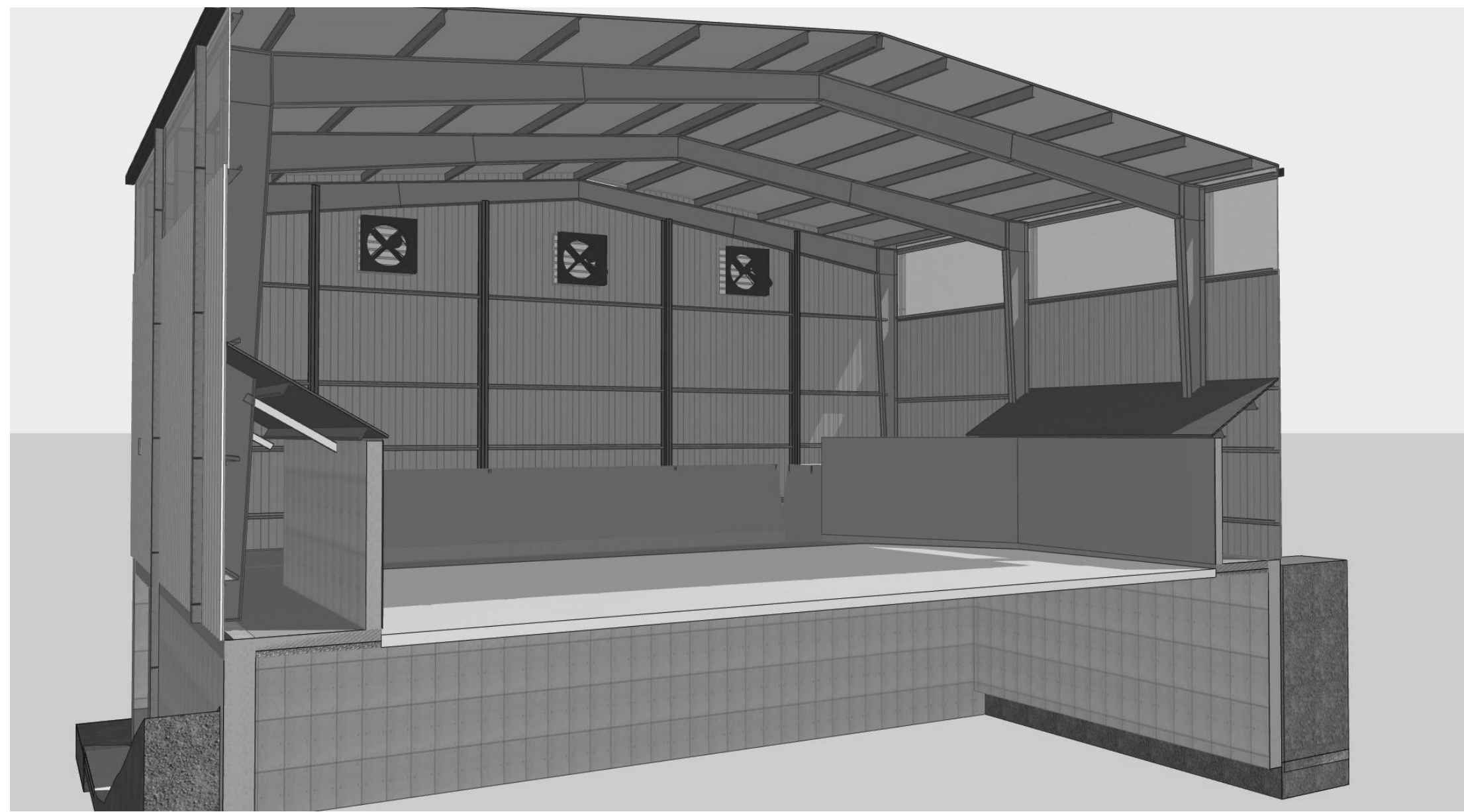
FILE NAME:	A-502
REFERENCE FILE:	
PROJECT NO. 15195-0015	



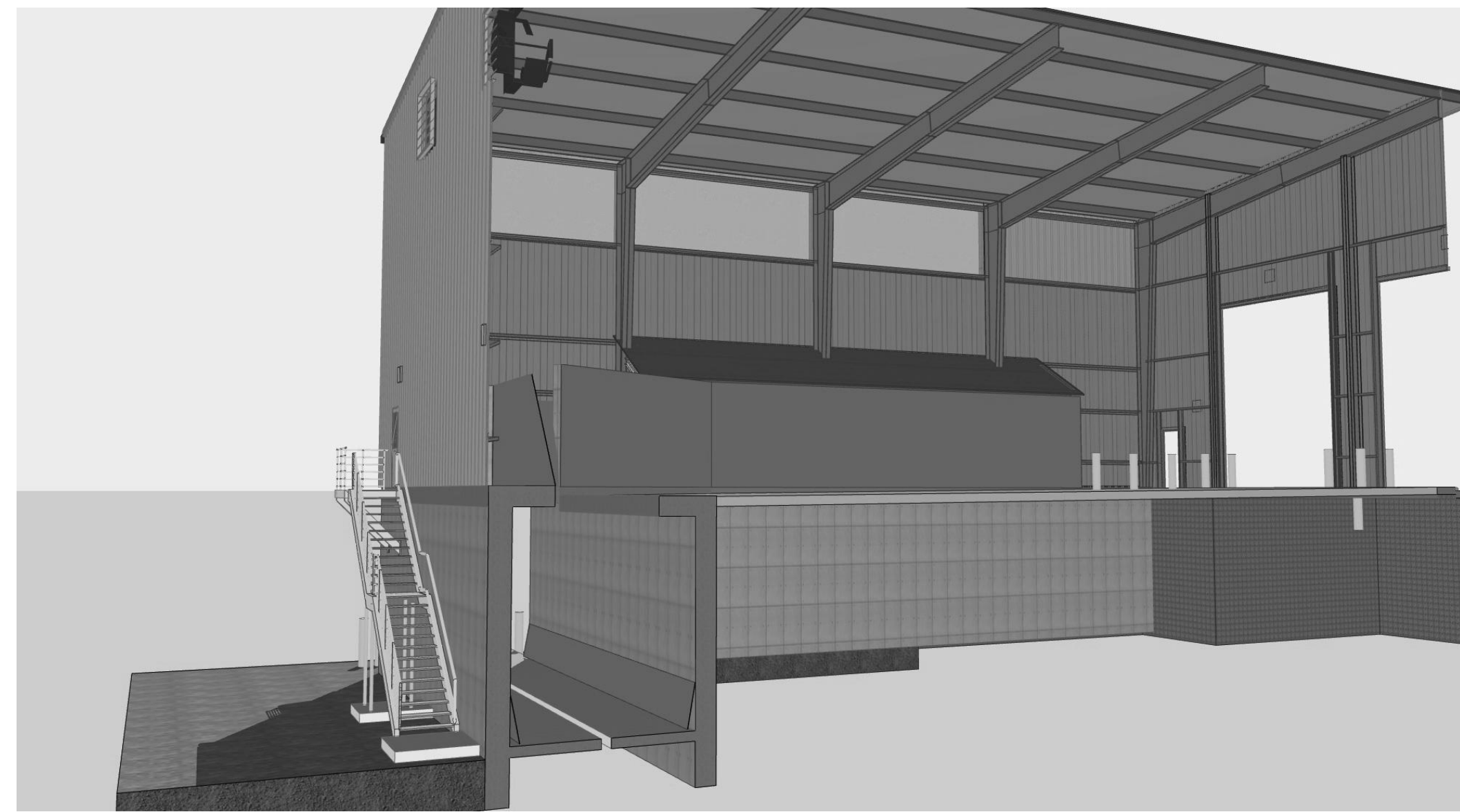
1 VIEW 1



2 VIEW 2



3 VIEW 3
SCALE: 1:116.17



4 VIEW 4
SCALE: 1:121.18

REVISION	DATE

APPROVALS	ENGINEER	DESIGNER	TECHNICIAN	CHECKED BY	APPROVED
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STATE OF SOUTH CAROLINA
 9-1-2016
 ROSCOE W. CHAMBERS
 BEAUFORT, S.C.
 3941
 REGISTERED ARCHITECT

SIGNATURE: _____
 DATE _____

R.W. CHAMBERS, ARCHITECT
 PO BOX 1181
 BEAUFORT, S.C. 29901
 843-379-1000

SKETCHES

SHEET _____
 DATE: AUGUST 2016

PROJECT
 COLLETON COUNTY SOLID
 WASTE TRANSFER STATION
 in
 COLLETON COUNTY,
 SOUTH CAROLINA

FILE NAME:	A-901 SHEET 6 OF 6
REFERENCE FILE:	
PROJECT NO. 15195-0015	

STRUCTURAL NOTES - GENERAL

SCOPE
 THE STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH THE DRAWINGS OF ALL OTHER DISCIPLINES AND THE SPECIFICATIONS. THE CONTRACTOR SHALL VERIFY THE REQUIREMENTS OF OTHER TRADES AS TO INSERTS, ANCHORS, SLEEVES, AND OTHER ITEMS TO BE PLACED OR SET IN THE STRUCTURAL WORK.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK.

AS A MINIMUM, THE FOLLOWING SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW:
 A. CONCRETE MIX DESIGN(S)
 B. CONTROL JOINT PLAN FOR FLOOR ALONG WITH JOINING PROCEDURES AND SUBMITTALS

STRUCTURAL DESIGN CRITERIA

BUILDING CODES: THE INTERNATIONAL BUILDING CODE 2015

WIND LOADS: BASIC WIND SPEED Vult = 140 MPH
 RISK CATEGORY = II
 WIND EXPOSURE = C
 INTERNAL PRESSURE COEFFICIENT, GCPI = +0.18

SEISMIC LOADS: SITE CLASS : D

SEISMIC FORCE RESISTING SYSTEM:
 CONCRETE WALL: SPECIAL REINFORCED LONG SHEAR WALL
 MOMENT FRAME: INTERMEDIATE MOMENT FRAME

Ss : 0.74
 S1 : 0.24
 SMS : 0.70
 Sm1 : 0.46
 Sds : 0.60
 Sp1 : 0.30

LIVE LOAD: HEAVY MANUFACTURING : 250 PSF

SITE PREPARATION NOTES
 FOLLOW SITE PREPARATION, UNDERCUTTING FILL & FOUNDATION PREPARATION REQUIREMENTS PER GEOTECHNICAL REPORT.

SUBSTITUTIONS
 MANUFACTURERS LISTED (I.E. SIMPSON, HILTI, ETC) ARE USED AS THE BASIS FOR DESIGN AND MAY BE SUBSTITUTED WITH AN APPROVED EQUAL PRODUCT PROVIDED THE SUBSTITUTION HAS EQUAL OR BETTER DESIGN PROPERTIES.

SPECIAL INSPECTIONS
 PROVIDE A MINIMUM OF ONE STRUCTURAL OBSERVATION AT THE FOUNDATION. PROVIDE CONCRETE TESTS AT FOUNDATION.

SPECIAL INSPECTIONS FOR THE METAL BUILDING AND METAL BUILDING COMPONENTS SHALL BE DRAFTED BY THE SUPPLIER.

THE CONTRACTOR SHALL NOTIFY THE SPECIAL INSPECTOR AT LEAST 48 HOURS IN ADVANCE FOR WORK THAT WILL REQUIRE INSPECTION OR TESTING.

CONTINUOUS & PERIODIC SPECIAL INSPECTION IS REQUIRED FOR THE WORK AS DESCRIBED IN IBC 2015 CHAPTER 17. SEE INSPECTION SCHEDULE BELOW. ONLY CHECKED ITEMS ARE REQUIRED. INSPECTIONS SHALL BE PERFORMED BY A REGISTERED PROFESSIONAL ENGINEER.

APPROVAL BY THE INSPECTOR DOES NOT MEAN APPROVAL OR FAILURE TO COMPLY WITH THE PLANS OR SPECIFICATIONS. ANY DETAIL THAT FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE STRUCTURAL ENGINEER FOR INTERPRETATION OR CLARIFICATION.

FOR VERIFICATION & INSPECTION OF SOILS SEE SOILS REPORT.

THE CONTRACTOR IS RESPONSIBLE FOR THE CONSTRUCTION OF THE WIND & SEISMIC RESISTING SYSTEM, AND SHALL ISSUE A STATEMENT OF RESPONSIBILITY.

PERIODIC STRUCTURAL OBSERVATION SHALL BE PROVIDED BY THE ENGINEER OF RECORD, PROVIDE TWO OBSERVATIONS DURING CONSTRUCTION MINIMUM. THE CONTRACTOR SHALL NOTIFY THE ENGINEER 72 HOURS BEFORE REQUIRED. OBSERVATIONS.

INSPECTION SCHEDULE			
TYPE OF WORK	CODE REFERENCE	REMARKS	
SOILS	TABLE 1705.6		<input checked="" type="checkbox"/>
CONCRETE WORK	TABLE 1705.3		<input checked="" type="checkbox"/>
PEMB COMPONENTS		AS PER PEMB DOCUMENTS	

FOUNDATION PREPARATIONS
 ALL FOOTINGS SHALL BEAR ON UNDISTURBED, FIRM NATURAL SOIL, OR COMPACTED FILL CAPABLE OF SUPPORTING A DESIGN BEARING PRESSURE OF 1,500 PSF. ALL FOUNDATION EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER/TESTING AGENCY PRIOR TO POURING CONCRETE.

FOLLOW SITE PREPARATION, UNDERCUTTING FILL & FOUNDATION PREPARATION REQUIREMENTS PER GEOTECHNICAL REPORT.

REMOVE ALL ORGANICS, PAVEMENT, ROOTS, DEBRIS, AND OTHERWISE UNSUITABLE MATERIAL.

THE SURFACE OF THE EXPOSED SUBGRADE SHALL BE INSPECTED BY A PROBING OR TESTING TO CHECK FOR POCKETS OF SOFT OR UNSUITABLE MATERIAL. EXCAVATE UNSUITABLE SOIL AS DIRECTED BY THE OFFICER IN CHARGE.

FILL ALL EXCAVATED AREAS WITH APPROVED CONTROLLED FILL. PLACE IN 12" LOOSE LIFTS AND COMPACT TO A MINIMUM OF 95% OF THE MAXIMUM DRY DENSITY IN ACCORDANCE WITH ASTM D-1557.

ALL CONTROLLED FILL MATERIAL SHALL BE A SELECT GRANULAR MATERIAL, FREE FROM ALL ORGANICS OR OTHERWISE DELETERIOUS MATERIAL WITH NOT MORE THAN 25% BY WEIGHT PASSING A NO. 200 SIEVE (CLASSIFIED AS SC, SM, SP OR BETTER IN ACCORDANCE WITH THE UNIFIED CLASSIFICATION SYSTEM) AND PLASTICITY INDEX NOT EXCEEDING 10%

PROVIDE FIELD DENSITY TESTS FOR EACH 2,500 PSF OF BUILDING AREA FOR EACH LIFT OF CONTROLLED FILL.

APPLY TERMITICIDE TO SOILS UNDER CONCRETE SLAB PER CODE.

FOUNDATION NOTES
 UNLESS OTHERWISE NOTED, PROVIDE THE FOLLOWING COVER FOR FOUNDATION REINFORCEMENT:

BOTTOM BARS & BARS IN CONCRETE CAST AGAINST EARTH: 3"
 BARS THAT ARE EXPOSED TO WEATHER:
 #5 OR SMALLER 1 1/2"
 #6 OR BIGGER 2"

ALL BARS SHALL BE LAPPED 40 X THE BAR DIAMETER AT SPLICES

PRIOR TO COMMENCING FOUNDATION WORK, COORDINATE WORK WITH UTILITIES.

CAST-IN-PLACE CONCRETE NOTES
 CONCRETE MIXES SHALL BE DESIGNED PER ACI 301, USING PORTLAND CEMENT CONFORMING TO ASTM C-150 OR C-595, AGGREGATE CONFORMING TO ASTM C-33, AND ADMIXTURES CONFORMING TO ASTM C-494, C-1017, C818, AND C-260. CONCRETE SHALL BE READY MIXED IN ACCORDANCE WITH ASTM C-94.

CONCRETE SHALL CONFORM TO THE FOLLOWING:

LOCATION MIN f'c
 SLABS : 5,000 PSI*
 FOOTINGS : 2,500 PSI*
 WALLS : 3,000 PSI

REINFORCING STEEL, INCLUDING HOOKS AND BENDS, SHALL BE DETAILED IN ACCORDANCE WITH ACI 315. ALL REINFORCING STEEL INDICATED AS BEING CONTINUOUS SHALL BE LAPPED WITH A TYPE 2 SPLICE UNLESS OTHERWISE NOTED.

BAR SUPPORTS SHALL BE PROVIDED FOR ALL REINFORCING STEEL TO ENSURE MINIMUM CONCRETE COVER. BAR SUPPORTS SHALL BE PLASTIC TIPPED OR STAINLESS STEEL.

CONCRETE EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (±1%) WITH AN ADMXTURE THAT CONFORMS TO ASTM C-260.

(*NOTE: DESIGN f'c IS 2,500 PSI FOR FOOTING, BUT 5,000 PSI IS REQUIRED FOR CRACK CONTROL OF SLABS)

SLAB ON GRADE NOTES
 PROVIDE CONCRETE SLABS PER PLAN.

MAXIMUM SLUMP FOR CONCRETE SLABS WILL BE 4" WITH TYPE II CEMENT.

SLAB REINFORCING SHALL BE BLOCKED INTO POSITION WITH PRECAST CONCRETE BLOCKS HAVING THE SAME COMPRESSIVE STRENGTH OF THE SLAB.

ALL POROUS FILL MATERIAL SHALL BE A CLEAN GRANULAR FILL MATERIAL WITH 100% PASSING THE 1/2" SIEVE AND NO MORE THAN 5% PASSING THE NO. 4 SIEVE. POROUS FILL SHALL BE COMPACTED TO 98% MAX DRY DENSITY PER ASTM D-1557 MODIFIED PROCTOR METHOD.

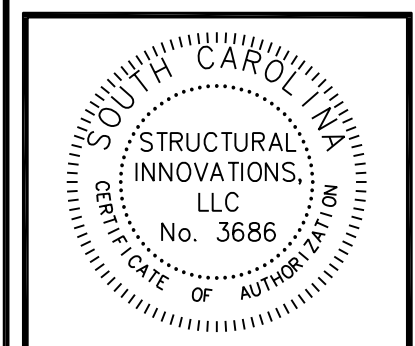
SLAB JOINTS SHALL BE FILLED WITH A SEALANT PER THE MANUFACTURER RECOMMENDATIONS.

SLABS EXPOSED TO WEATHER SHALL BE AIR ENTRAINED TO 5% (±1%) WITH AN ADMIXTURE THAT CONFORMS TO ASTM C-260.

THE SLAB SHALL BE WET CURED BY KEEPING THE SLAB MOIST FOR A PERIOD OF SEVEN DAYS. ALTERNATIVELY, PROVIDE A WET-CURING SEALANT PER THE MANUFACTURERS RECOMMENDATIONS.

FINISH TOLERANCE OF SLABS SHALL BE IN ACCORDANCE WITH A0 301, TYPE A, THE OWNER SHALL PERFORM FLOOR FLATNESS TEST IN ACCORDANCE ASTM E1155.

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 ph: 843.441.9828



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STRUCTURAL DRAWINGS:
COLLETON COUNTY WASTE TRANSFER STATION
 NOTES

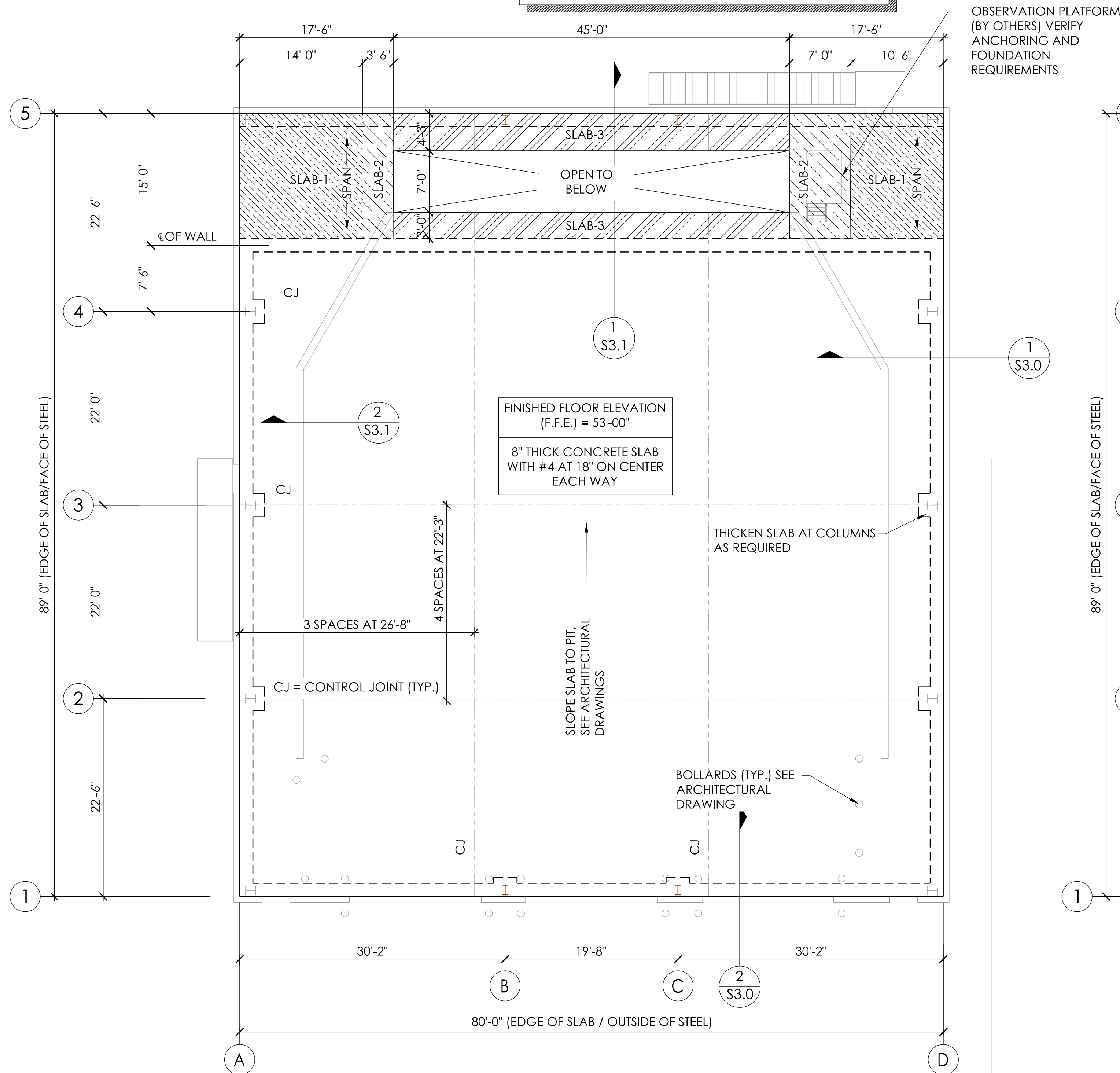


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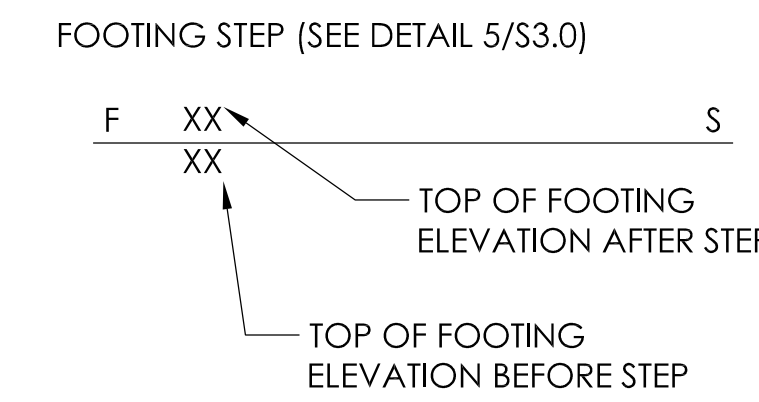
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SLAB SCHEDULE			
MARK	DESCRIPTION	SPAN DIRECTION REINFORCING	TRANSVERSE REINFORCING
SLAB-1	WIDTH (PER PLAN) x 8" THICK SLAB	#5 TOP AND BOTTOM BARS AT 6" ON CENTER	#4 TOP AND BOTTOM BARS AT 18" ON CENTER
SLAB-2	WIDTH (PER PLAN) x 12" THICK SLAB	#6 BOTTOM BARS AT 6" ON CENTER AND #5 TOP BARS AT 6" ON CENTER.	#4 TOP AND BOTTOM BARS AT 12" ON CENTER
SLAB-3	WIDTH (PER PLAN) x 16" THICK SLAB	SEE SECTION 1/S3.1	SEE SECTION 1/S3.1

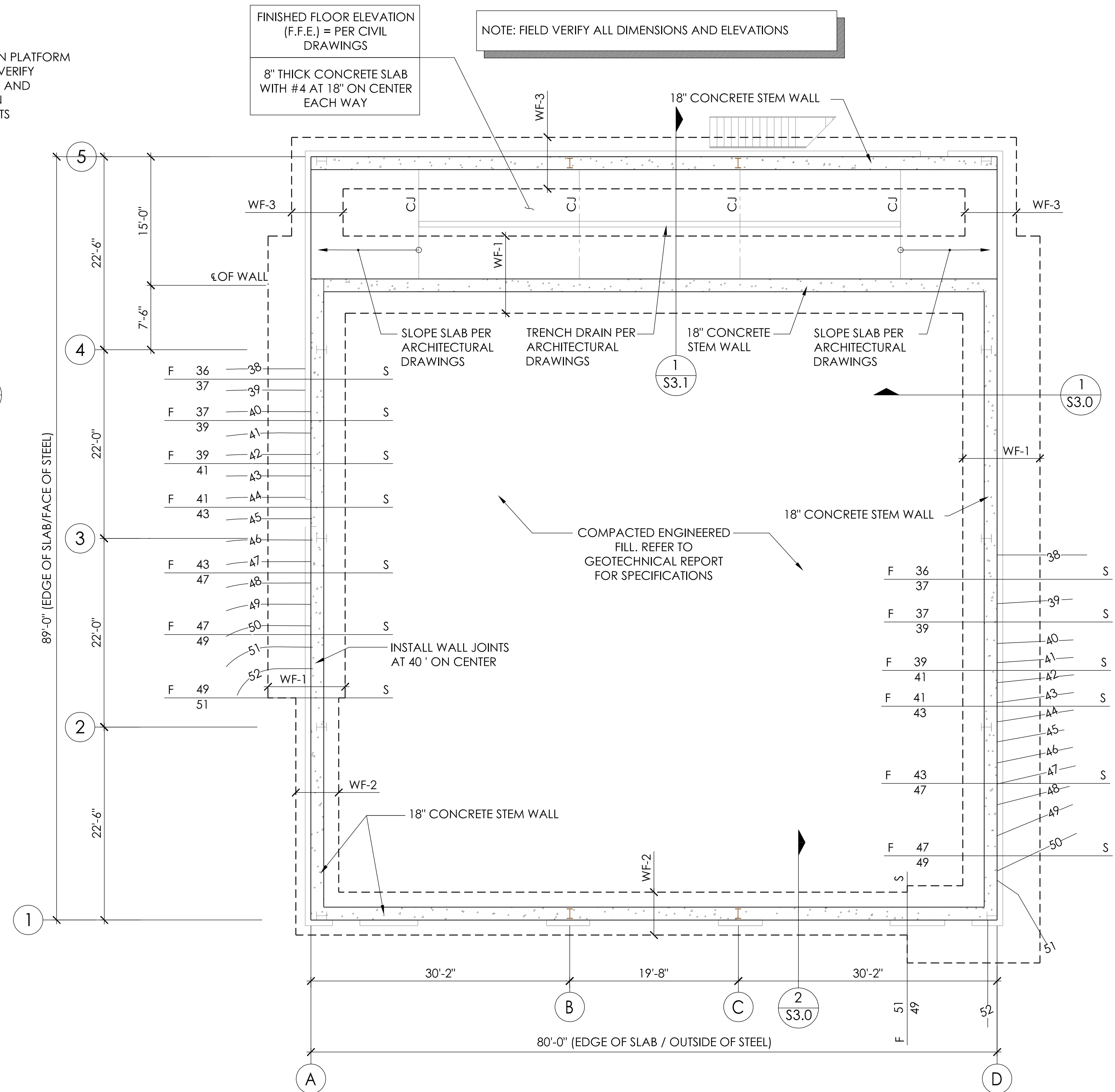
NOTE: ALTERNATE SLAB COATINGS IN LIEU OF NO FINISH:
 ALTERNATE 1: USE BASF ANVIL TOP ON THE 15' AREA IN FRONT OF THE CHUTE
 ALTERNATE 2: USE BASF ANVIL TOP ON THE ENTIRE SLAB



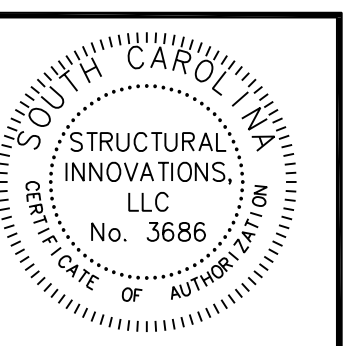
LEGEND



FOOTING SCHEDULE			
MARK	DESCRIPTION	TOP BARS	BOTTOM BARS
WF-1	9'-0" WIDE X 1'-9" THICK CONTINUOUS FOOTING	#5 TRANSVERSE BARS AT 9" ON CENTER AND #5 LONGITUDINAL BARS AT 12" ON CENTER	#6 TRANSVERSE BARS AT 9" ON CENTER AND #5 LONGITUDINAL BARS AT 12" ON CENTER
WF-2	5'-0" WIDE X 1'-9" THICK CONTINUOUS FOOTING	#5 BARS ON CENTER EACH WAY	#5 BARS ON CENTER EACH WAY
WF-3	6'-0" WIDE X 1'-3" THICK CONTINUOUS FOOTING	#5 BARS ON CENTER EACH WAY	#5 BARS ON CENTER EACH WAY



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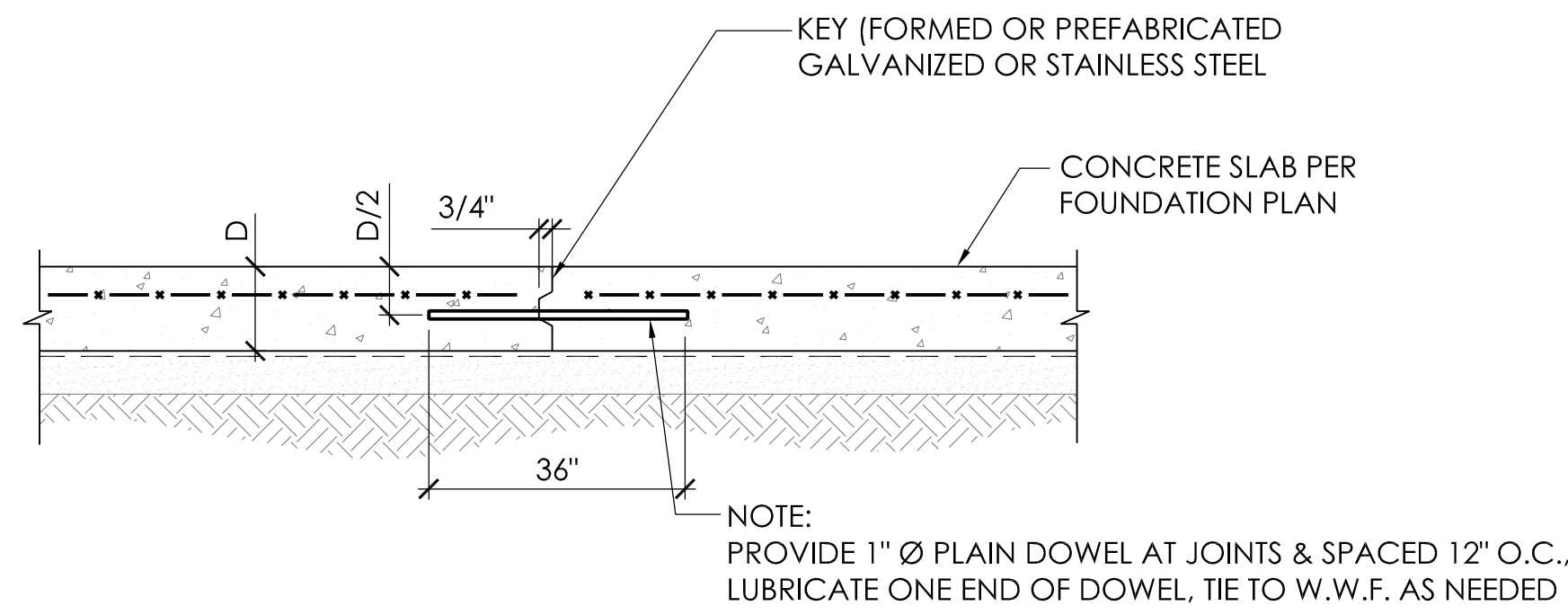
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STRUCTURAL DRAWINGS:
COLLETON COUNTY WASTE TRANSFER STATION
FOUNDATION PLAN



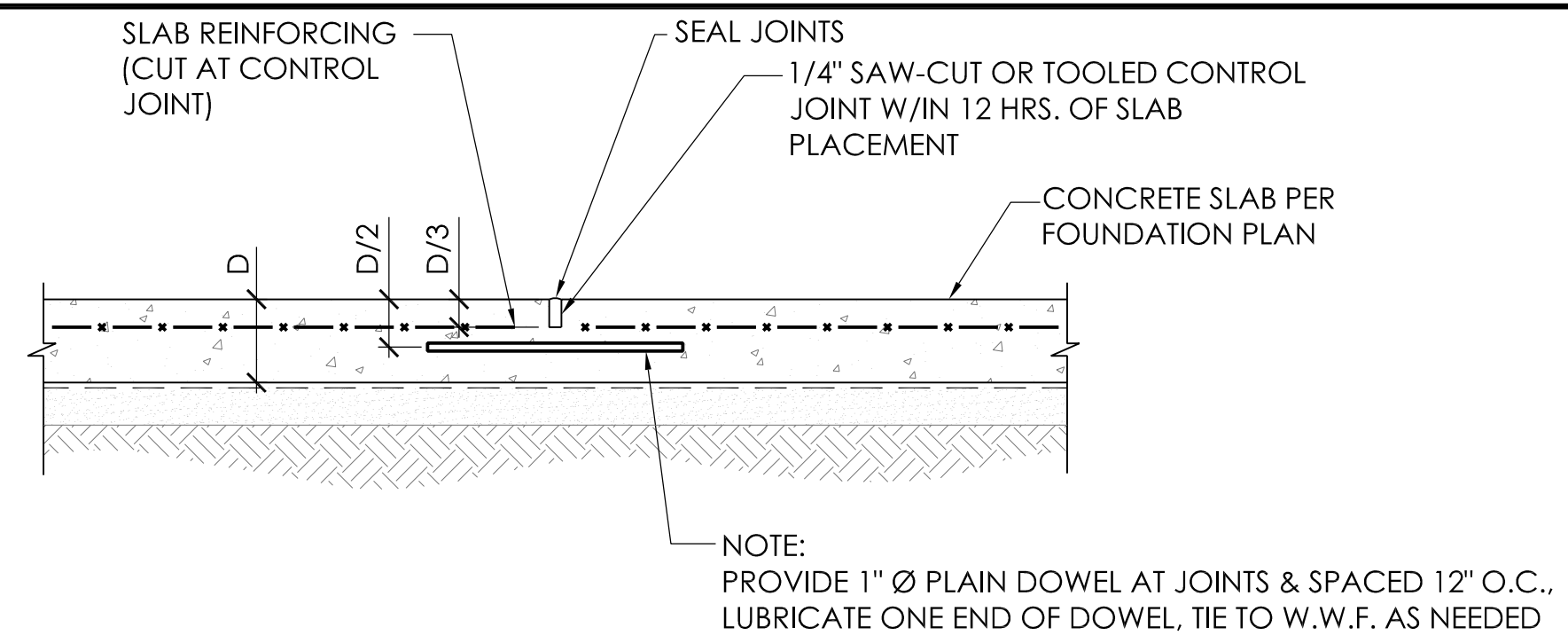
DATE: 05/13/16
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 PROJECT NO.: 16-21

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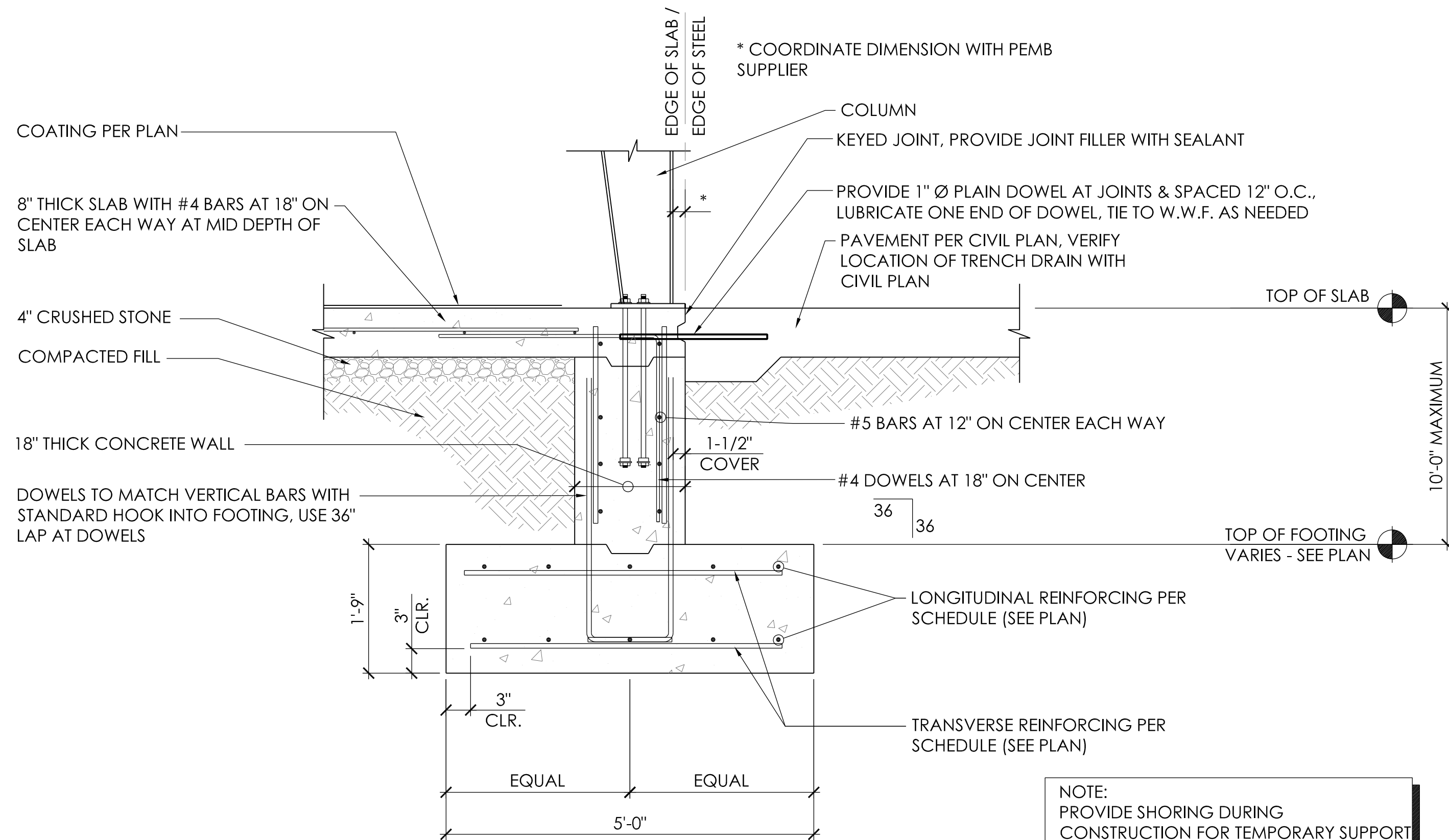
4. CONSTRUCTION JOINT DETAIL

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



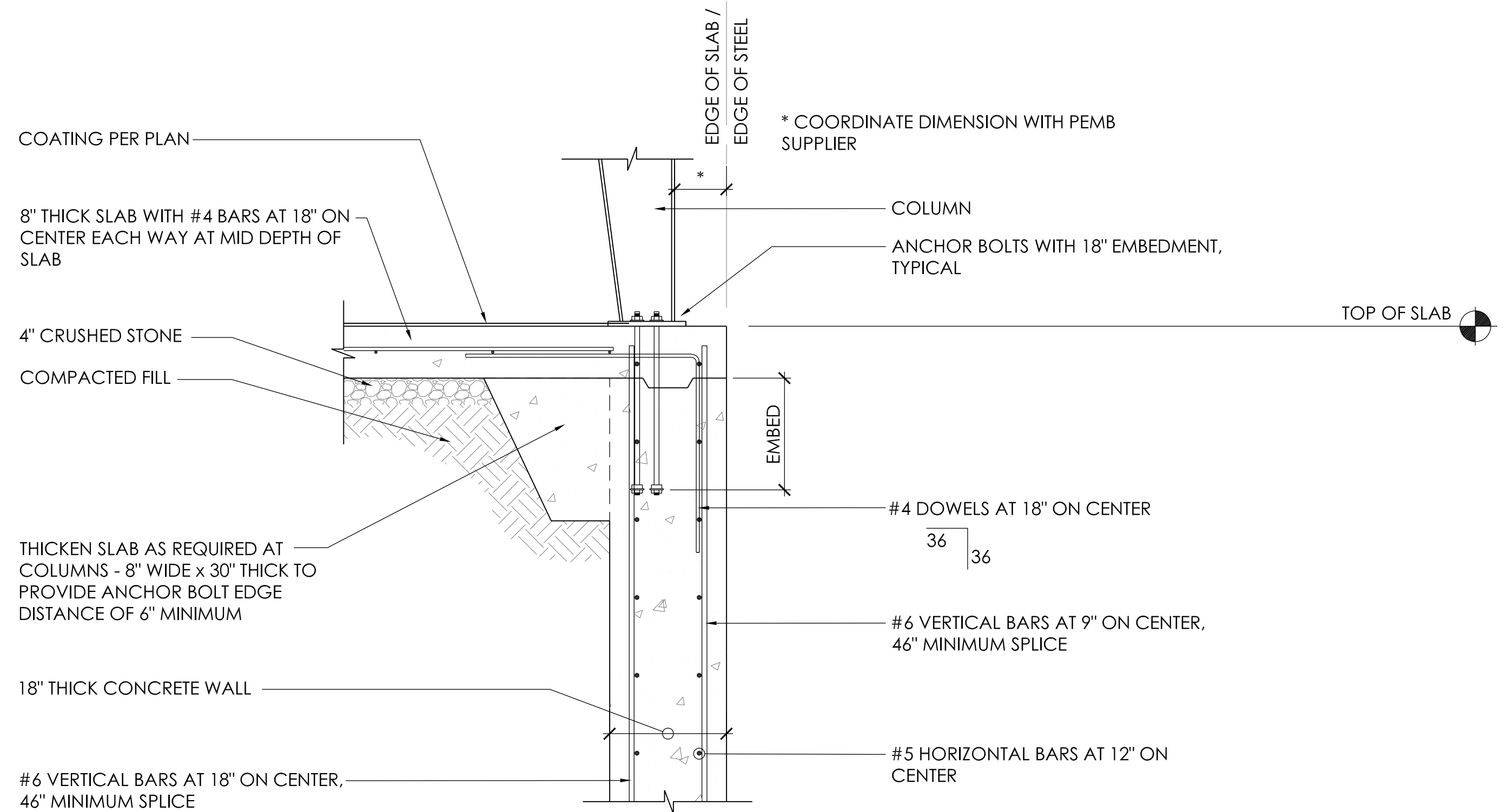
3. CONTROL JOINT DETAIL

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



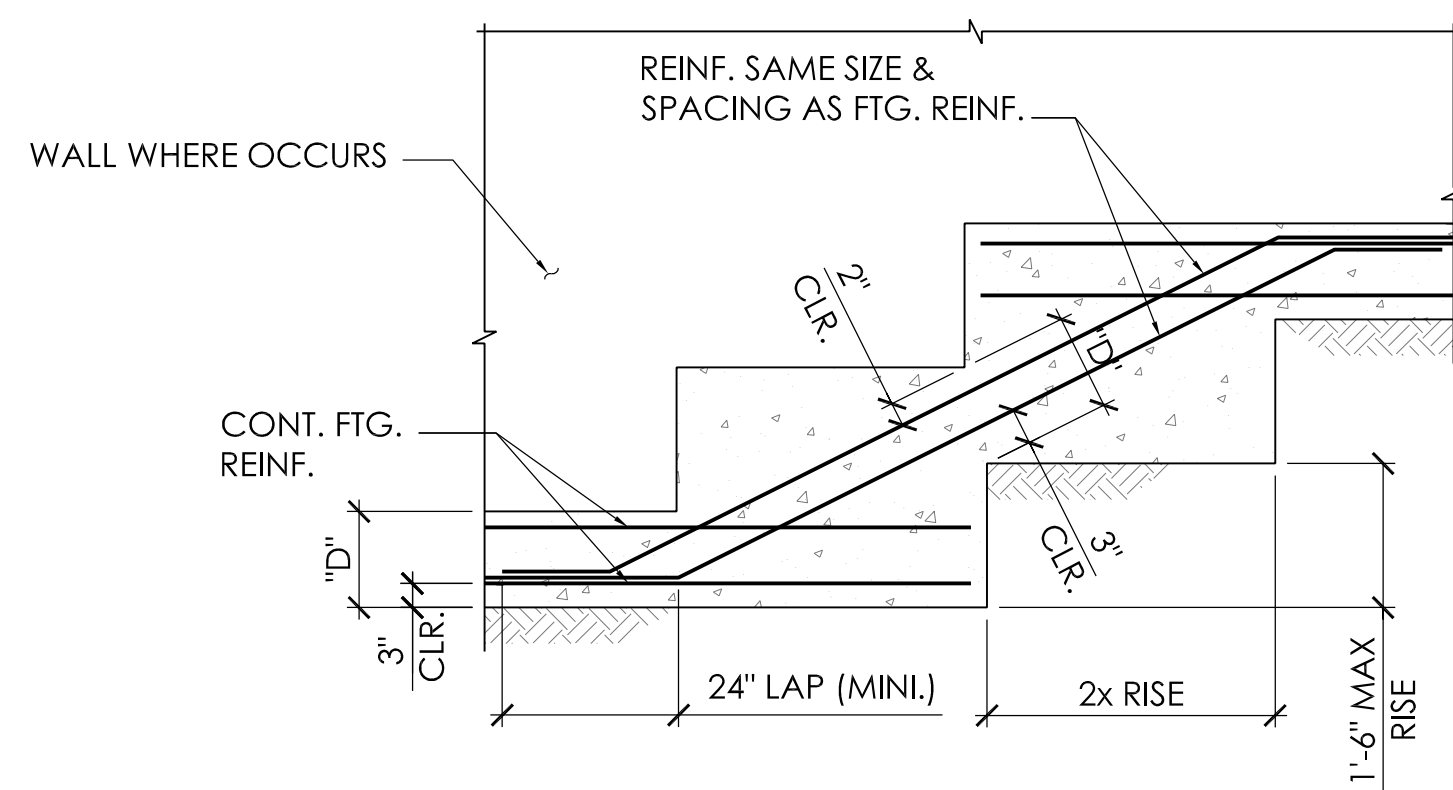
2. FRONT WALL SECTION

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



1. SIDEWALL SECTION

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



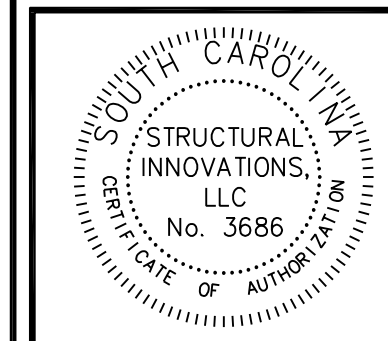
5. TYPICAL STEP IN FOUNDATION

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

- NOTES:
1. SLOPE TO BE 1 VERTICAL TO 2 HORIZONTAL UNLESS OTHERWISE NOTED.
 2. LOCATE FOOTING STEPS AS SITE CONDITIONS DICTATE.
 3. DO NOT PLACE STEP WITHIN 5'-0" OF A COLUMN

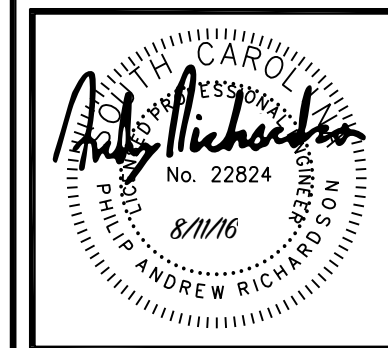
NOTE:
PROVIDE SHORING DURING CONSTRUCTION FOR TEMPORARY SUPPORT AND IF ANY UNBALANCED FILL IS REQUIRED DURING CONSTRUCTION

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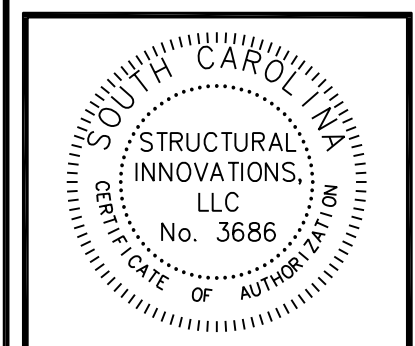
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STRUCTURAL DRAWINGS:
COLLETON COUNTY WASTE TRANSFER STATION
DETAILS



DATE: 05/13/16
SCALE: AS SHOWN
PROJECT NO: 16-21

Sheet No.
S3.0



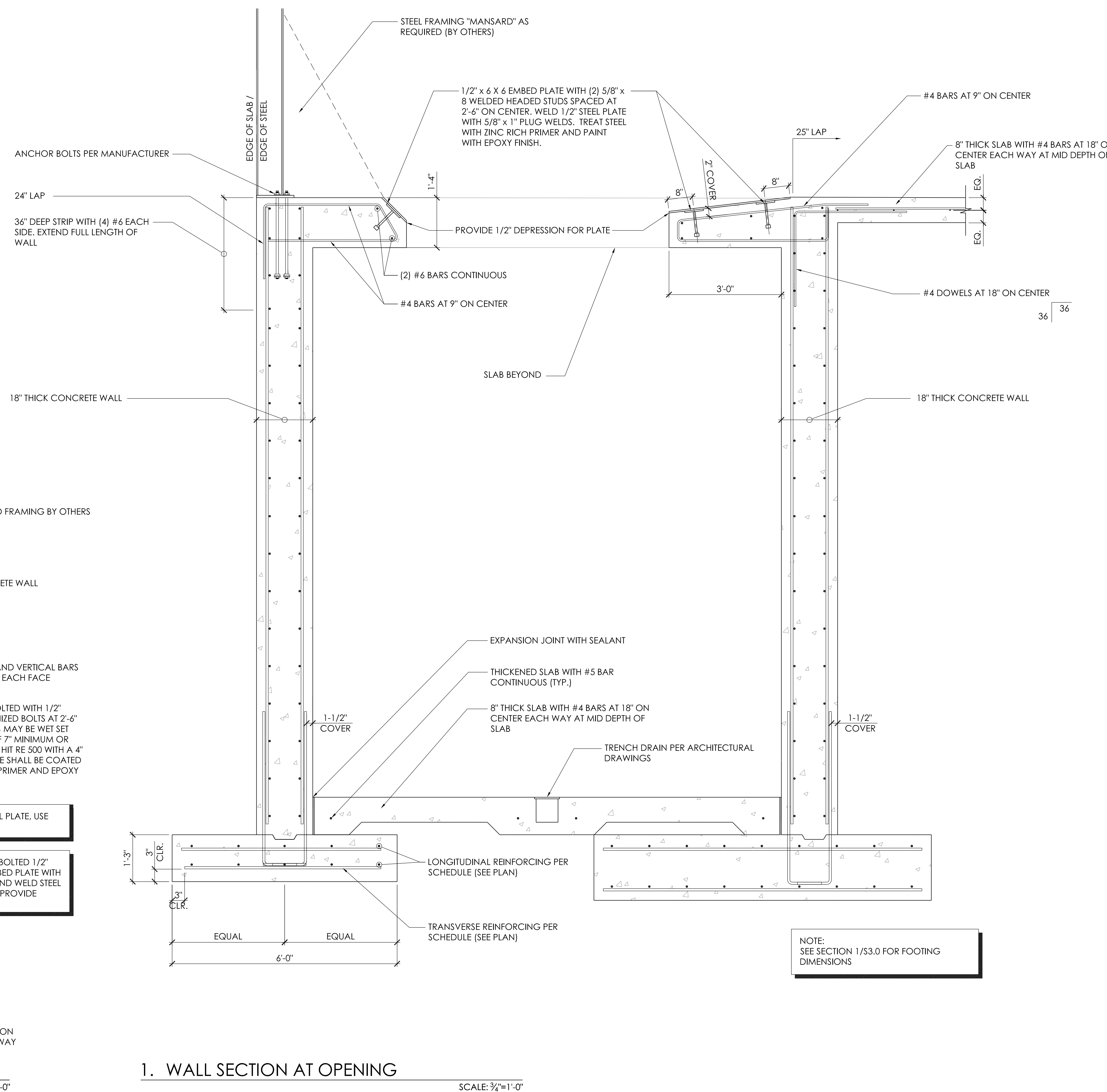
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**STRUCTURAL DRAWINGS:
 COLLETON COUNTY WASTE
 TRANSFER STATION
 DETAILS**



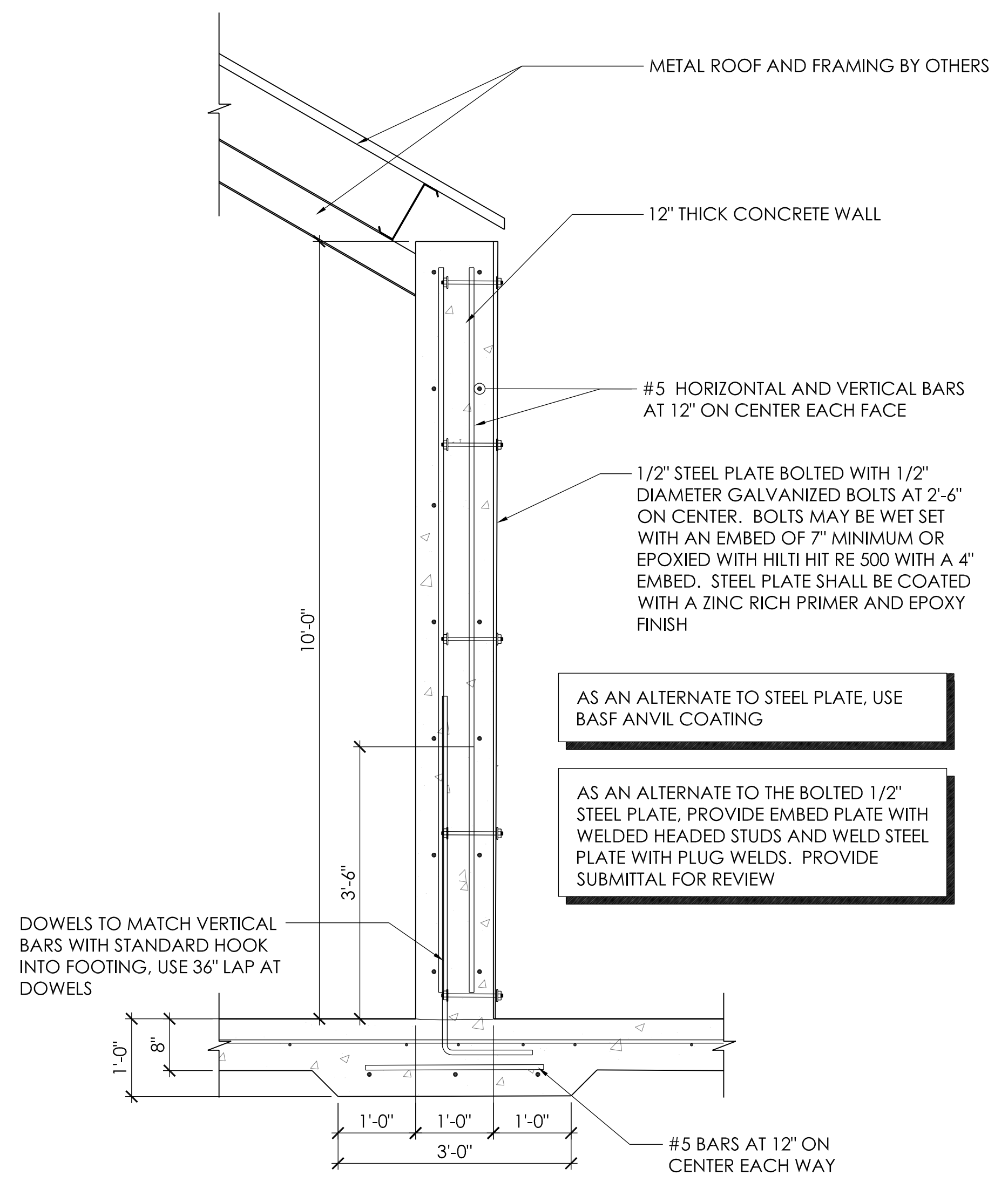
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S3.1



1. WALL SECTION AT OPENING

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



2. PUSH WALL DETAIL

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

AS AN ALTERNATE TO STEEL PLATE, USE BASF ANVIL COATING

AS AN ALTERNATE TO THE BOLTED 1/2" STEEL PLATE, PROVIDE EMBED PLATE WITH WELDED HEADED STUDS AND WELD STEEL PLATE WITH PLUG WELDS. PROVIDE SUBMITTAL FOR REVIEW

NOTE:
 SEE SECTION 1/S3.0 FOR FOOTING DIMENSIONS

LIGHT FIXTURE SCHEDULE				
MARK	MANUFACTURER	MODEL #	LAMP	REMARKS
A	KENALL	EPLB-22-E-PM-ACA-MB-192L-50K7-DCC-DV-RMH	192W LED	HIGH BAY LED SUSPENDED FROM STRUCTURE. BOTTOM OF FIXTURE AT 30' AFF
B	KENALL	RHL7125-MB-PP-20L50K-DV	20W LED	HIGH IMPACT SCONCE. SEE PLANS FOR MOUNTING HEIGHT
C	BROWNLEE	7039-C37LED-BBIC-PO1	37W LED	EXTERIOR CUTOFF FIXTURE. SEE ARCHITECTURAL DRAWINGS FOR LOCATION
D	BROWNLEE	7039-C56LED-BBIC-PO1	56W LED	EXTERIOR CUTOFF FIXTURE. SEE ARCHITECTURAL DRAWINGS FOR LOCATION
ER	EMERGI-LITE	B-LUX-SD-FT	-	EXTERIOR REMOTE EMERGENCY HEAD
EX	DURAGUARD	EECXELPRBIRC	-	EMERGENCY LIGHT/EXIT SIGN COMBINATION. REMOTE HEAD CAPABLE

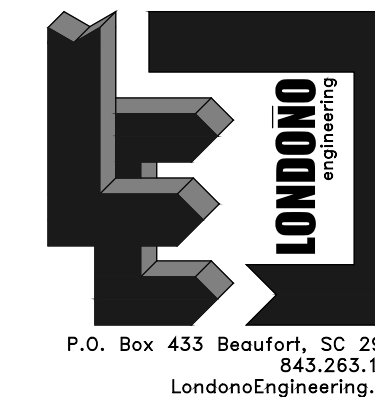
PANEL 'P'							
120/240 VOLT, 1 PHASE, 3 WIRE & S/N							
SURFACE				50 MCB 10,000 AIC			
CIR	BRKR	WIRE	LOAD DESIGNATION	CIR	BRKR	WIRE	LOAD DESIGNATION
1	20-2	3-12	EXHAUST FAN (EF-1)	2	20-2	3-12	EXHAUST FAN (EF-2)
3				4			
5	20-2	3-12	EXHAUST FAN (EF-3)	6	20-1	2-12	RECEPTACLES
7				8	20-1	2-12	RECEPTACLES
9	-	-	SPACE	10	-	-	SPACE
11	-	-	SPACE	12	-	-	SPACE
13	-	-	SPACE	14	-	-	SPACE
15	-	-	SPACE	16	-	-	SPACE
17	-	-	SPACE	18	20-1	2-12	LIGHTS-EXTERIOR
19	-	-	SPACE	20	20-1	2-12	LIGHTS-INTERIOR
21	-	-	SPACE	22	20-1	2-12	LIGHTS-INTERIOR
23	-	-	SPACE	24	20-1	2-12	LIGHTS-INTERIOR

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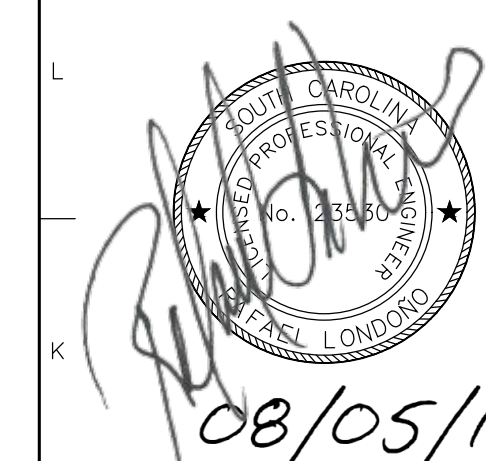
SERVICE LOAD CALCULATIONS
TOTAL CONNECTED LOAD @ 125%: 14,064 VA
TOTAL AMPS @ 125%: 39 AMPS
PANEL SIZE: 50 AMPS

LIGHTING CONTROL DEVICE SCHEDULE			
SYMBOL	MANUFACTURER	MODEL #	REMARKS
-	WATTSTOPPER	LMIO-301	DIGITAL PHOTOCELL INPUT MODULE
-	WATTSTOPPER	LMPO-200	ANALOG EXTERIOR PHOTOCELL ACCESSORY
Ⓛv	WATTSTOPPER	LMSW-101	1 BUTTON LOW VOLTAGE WALL SWITCH TO CONTROL ALL INTERIOR LIGHTING CIRCUITS
LC8-120/277	WATTSTOPPER	LC8-120/277	LC8 LIGHTING CONTROL PANEL, INCLUDES LCPS 120/277Y

ELECTRICAL SCHEDULES AND DETAILS



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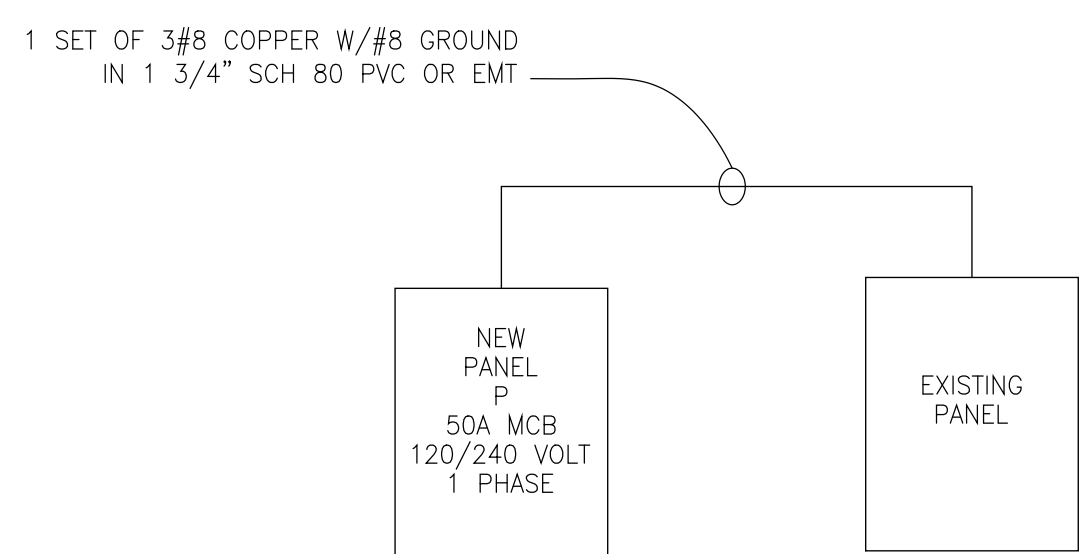
A NEW BUILDING FOR
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COLLETON COUNTY, SC

ELECTRICAL
SCHEDULES
AND DETAILS

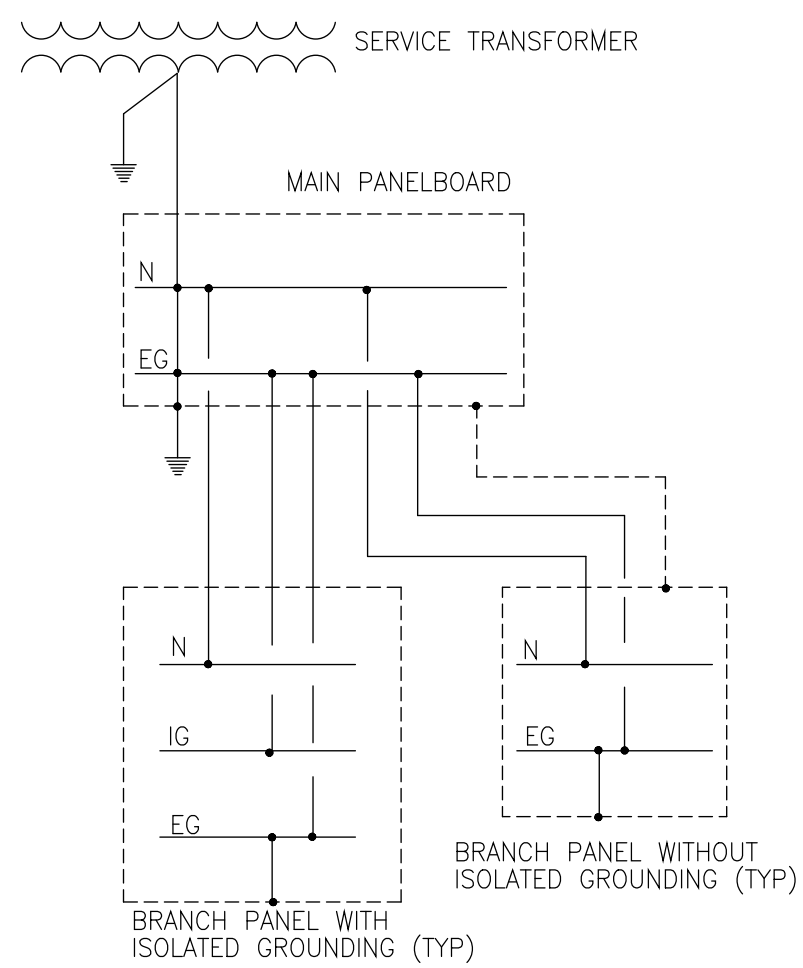
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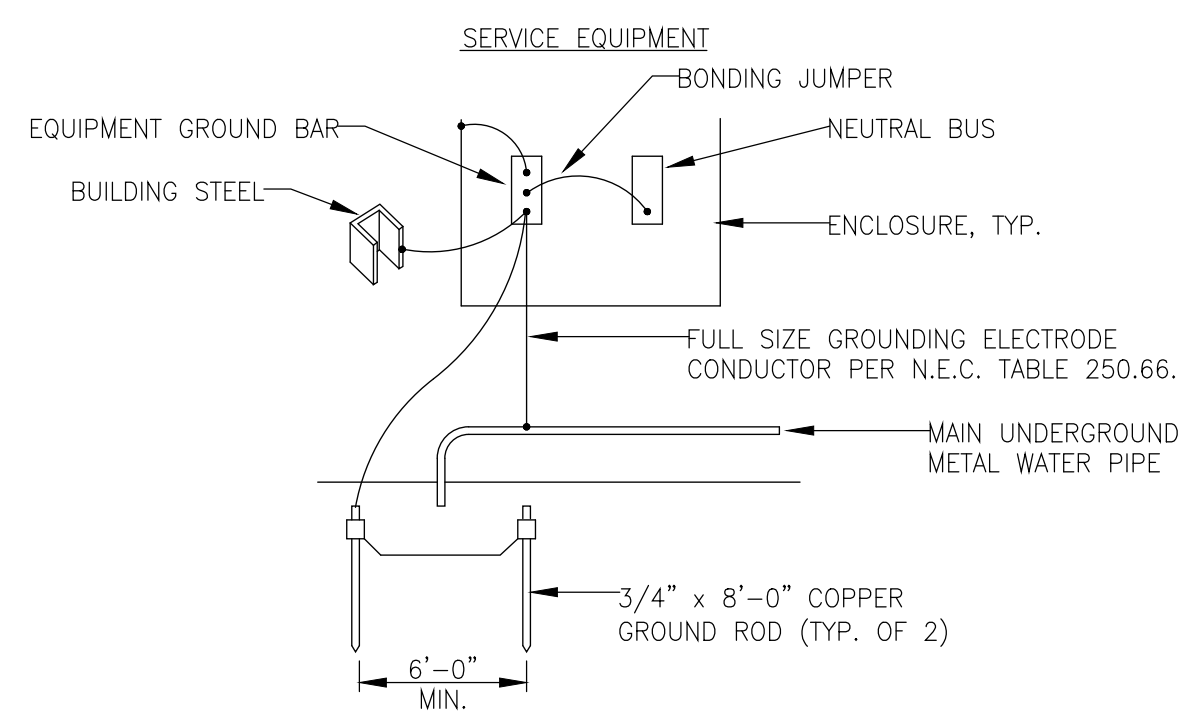
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RISER DIAGRAM
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GROUNDING DIAGRAM
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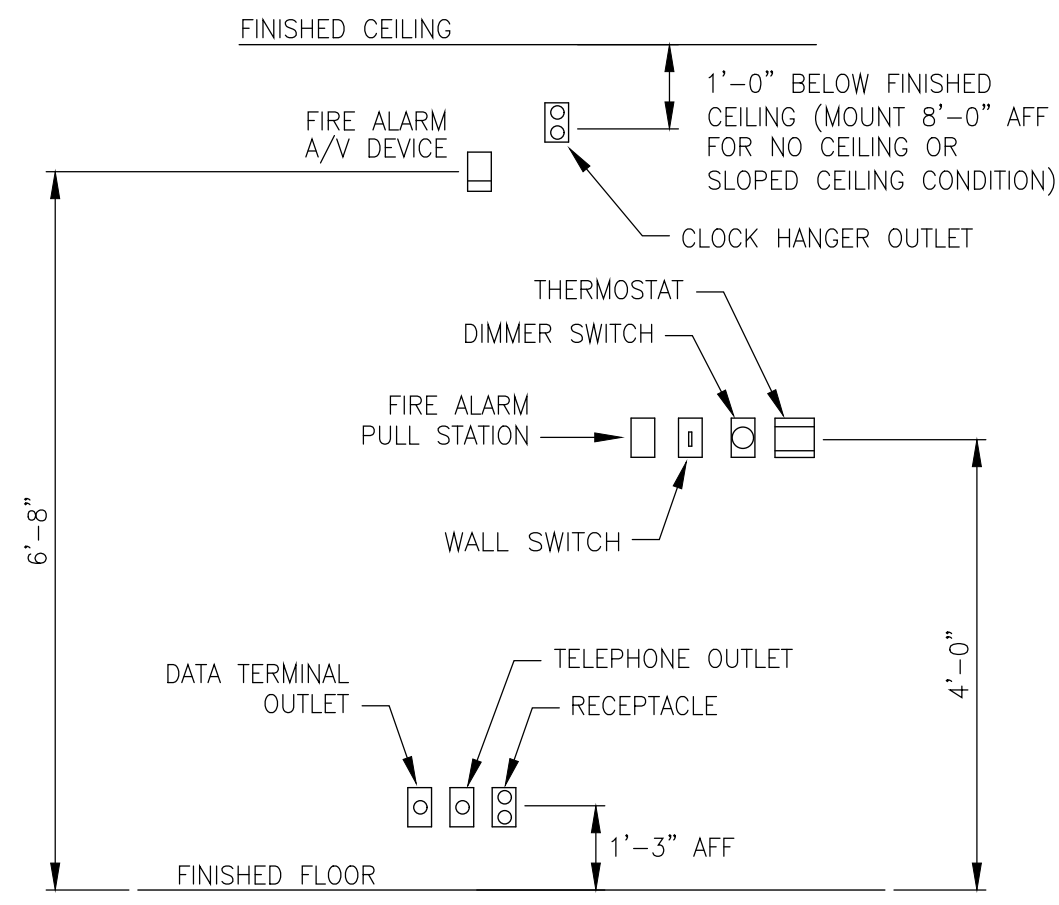


GROUNDING ELECTRODE DETAIL
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ELECTRICAL LEGEND	
⊕	RECEPTACLE, DUPLEX, WALL MTD, 16" AFF TO BOTTOM, WP = WEATHER PROOF, GFI = GROUND FAULT INTERRUPTER, C = CEILING MOUNTED
⊕	RECEPTACLE, QUADRA-PLEX, WALL MTD, 16" AFF TO BOTTOM, WP = WEATHER PROOF, GFI = GROUND FAULT INTERRUPTER, C = CEILING MOUNTED
⊕	RECEPTACLE, DUPLEX, FLOOR MTD
⊕	RECEPTACLE, 240V, 3 WIRE, RATING NOTED
⊕	LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT, 2'x4'; LETTER INDICATES TYPE.
⊕	LIGHT FIXTURE, SURFACE MOUNTED FLUORESCENT, 1'x4'; LETTER INDICATES TYPE.
⊕	FLUORESCENT LIGHT FIXTURE
S	SWITCH, 120V, 20A, WALL MOUNTED 2 = DPST, 3 = 3WAY, 4 = 4WAY, D = DIMMER, P = PILOT LIGHT, F = FAN, WP = WEATHER PROOF, M = MOTION SENSOR(DUAL TECHNOLOGY)
⊕	CEILING MOUNTED FIXTURE
⊕	WALL MOUNTED FIXTURE
⊕	EXHAUST FAN
⊕	EXHAUST FAN/LIGHT
⊕	DISCONNECT SWITCH
⊕	PANEL BOARD, RECESSED
⊕	PANEL BOARD, SURFACE MOUNTED
⊕	EMERGENCY LIGHT
⊕	EXIT SIGN
⊕	EXIT SIGN WITH EMERGENCY LIGHT
---	SWITCH LEG IN WALLS OR CEILING
---	POWER LEG IN WALLS OR CEILING
---	HOME RUN TO PANEL BOARD
⊕	JUNCTION BOX
⊕	SMOKE DETECTOR
⊕	CABLE TV OUTLET
⊕	SPECIAL RECEPTACLE
⊕	TELEPHONE OUTLET
⊕	COMPUTER OUTLET
⊕	DATA/TELEPHONE OUTLET

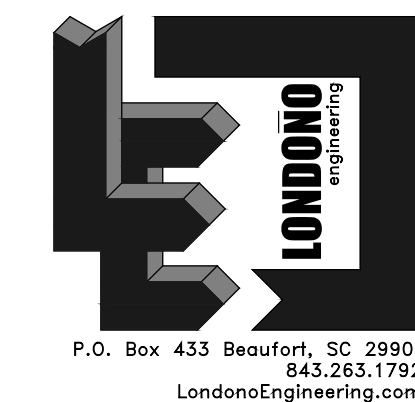
GENERAL ELECTRICAL NOTES

- ALL WORK SHALL BE IN STRICT ACCORDANCE WITH THE LATEST ADOPTED EDITION OF THE N.E.C. AND ALL LOCAL CODES AND ORDINANCES.
- ALL MATERIALS SHALL BE NEW AND SHALL BEAR UNDERWRITERS' LABEL WHERE APPLICABLE.
- ALL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR IN A FIRST-CLASS MANNER. THE COMPLETED SYSTEM IS TO BE FULLY OPERABLE, AND ACCEPTANCE OF THIS SYSTEM BY THE ENGINEER/ARCHITECT MUST BE A CONDITION OF THE SUB CONTRACT.
- ALL WORK TO BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION.
- CONTRACTOR TO GUARANTEE ALL MATERIALS AND WORKMANSHIP FREE FROM DEFECTS FOR A PERIOD OF NOT LESS THAN ONE (1) YEAR FROM DATE OF ACCEPTANCE.
- CORRECTION OF ANY DEFECTS TO BE COMPLETED WITHOUT ADDITIONAL CHARGE AND TO INCLUDE REPLACEMENT OR REPAIR OF ANY OTHER PHASE OF THE INSTALLATION WHICH MAY HAVE BEEN DAMAGED THEREBY.
- EMERGENCY & EXIT LIGHTS TO BE POWERED FROM UNSWITCHED LOCAL LIGHTING CIRCUIT PER NEC 700-12(F).
- EXTEND TWO 1" CONDUITS FROM EACH PANEL, W/PULLWIRE, TO ATTIC JUNCTION BOX (FOR FUTURE CIRCUITS).
- EXTEND 3/4" CONDUIT ABOVE CEILING TO JUNCTION BOX FOR ALL TELEVISION, TELEPHONE AND SOUND SYSTEM OUTLETS, WITH PULLWIRE UNLESS OTHERWISE NOTED.
- ELECTRICAL INSTALLATION TO MEET ALL STANDARD REQUIREMENTS OF LOCAL POWER AND TELEPHONE COMPANIES.
- MINIMUM WIRE SIZE SHALL BE #12 AWG, EXCLUDING CONTROL WIRING. UNLESS OTHERWISE NOTED, ALL CONDUCTORS SHALL BE COPPER WITH THWN/THHN INSULATION. CONDUCTORS #10 AND SMALLER MAY BE SOLID. ALL THOSE #8 AND LARGER TO BE STRANDED.
- ALL UNDERGROUND RACEWAYS SHALL BE GALVANIZED RIGID STEEL CONDUIT OR SCHEDULE 40 PVC. UNLESS OTHERWISE INDICATED. ALL OTHER RACEWAYS TO COMPLY WITH GOVERNING AUTHORITIES.
- ALL UNDERGROUND PVC CONDUIT RUNS SHALL HAVE RIGID STEEL ELBOWS AND RIGID STEEL SECTIONS AT SLAB PENETRATIONS WHERE SUBJECT TO POSSIBLE DAMAGE. WHERE RIGID STEEL IS USED, IT SHALL BE COMPLETELY COATED WITH AN ALKALI AND RUST-RESISTANT BITUMASTIC PAINT, KOPPER NO. 50 AND THREADS SHALL BE COATED WITH ZINC CHROMATE.
- ALL RACEWAYS AND PIPES, SPACED IN OR THROUGH ANY CONCRETE SLAB, SHALL BE SPACED A MINIMUM OF THREE TIMES THE DIAMETER OF THE LARGEST RACEWAY.
- OUTLET BOXES SHALL BE PRESSED STEEL IN DRY LOCATIONS, CAST ALLOY WITH THREADED HUBS IN WET OR DAMP LOCATIONS, AND BE OF SPECIAL CONSTRUCTION FOR OTHER CLASSIFIED AREAS. ALL BOXES SHALL BE RECESSED (FLUSH) IN WALLS OR CEILINGS WHENEVER POSSIBLE.
- DISCONNECT SWITCHES SHALL BE H.P. RATED, GENERAL DUTY, QUICK-MAKE, QUICK-BREAK TYPE. ENCLOSURES SHALL BE AS REQUIRED BY THE LATEST ADOPTED EDITION OF THE N.E.C. AND LOCATION (WEATHERPROOF, EXPLOSION PROOF, ETC.).
- ALL GENERAL PURPOSE SWITCHES AND RECEPTACLES SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. CATALOG NUMBERS LISTED ARE LEVITON. HOWEVER, COMPARABLE DEVICES BY PASS & SEYMOUR, BRYANT, OR ARROW HART WILL BE ACCEPTED. COLOR OF DEVICES AND PLATES SHALL BE DICTATED BY ARCHITECT/OWNER.
 - A. SWITCHES: SINGLE POLE-LEVITON #5621-2 / THREE WAY-LEVITON #5623-2.
 - B. RECEPTACLES: DUPLEX OUTLET-LEVITON #16362 OR 16362-IG.
 - C. DIMMERS: LUTRON NOVA SERIES.
- NOTE: ALL REQUIRED DEVICES SHALL MATCH IN COLOR AND STYLE.
- IT IS NOT THE INTENT OF THESE PLANS TO SHOW EVERY MINOR DETAIL OF CONSTRUCTION. THE CONTRACTOR IS EXPECTED TO FURNISH AND INSTALL ALL ITEMS FOR A COMPLETE ELECTRICAL SYSTEM, AND PROVIDE ALL NECESSARY DEVICES AND COMPONENTS FOR EQUIPMENT TO BE PLACED IN PROPER WORKING ORDER.
- FURNISH AND INSTALL DISCONNECT SWITCHES, WIRING, AND CONNECTIONS ON AIR CONDITIONING SYSTEM AS SHOWN ON PLANS. ELECTRICAL CONTRACTOR SHALL VERIFY AND COORDINATE WITH MECHANICAL CONTRACTOR REGARDING SUPPLY AND INSTALLATION OF ALL REQUIRED CONTROLS.
- ALL SWITCH GEAR SHALL BE THE PRODUCT OF A SINGLE MANUFACTURER. SYSTEM DESIGN IS BASED ON THE "SQUARE D CO."; HOWEVER, COMPARABLE DEVICES BY WESTINGHOUSE/CHALLENGER, G.E. AND ITE WILL BE ACCEPTABLE. TANDEN AND HALF-SPACE CIRCUIT BREAKERS SHALL NOT BE USED.
- THE ELECTRICAL CONTRACTOR SHALL MEET AND COORDINATE WITH THE LOCAL POWER COMPANY AT THE SITE PRIOR TO CONSTRUCTION. AT THAT TIME, THE CONTRACTOR SHALL COORDINATE ALL RELATED WORK WITH THE UTILITY COMPANY'S RESPONSIBILITIES TO MEET THE OWNER'S SCHEDULE.
- ALL ELECTRICAL CONDUCTORS SHALL BE INSTALLED IN AN APPROVED RACEWAY. MAXIMUM NUMBER OF 120 VOLT CIRCUITS ALLOWED IN A COMMON CONDUIT SHALL BE SIX (6). CONTRACTOR SHALL STRICTLY CONFORM TO THE REQUIREMENTS OF THE LATEST ADOPTED EDITION OF THE N.E.C. OF DERATING FOR CONDUCTOR AMPACITY AND CONDUIT FILL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SEALING ALL CONDUIT PENETRATIONS MADE THROUGH FIRE RATED WALLS, CEILINGS, SLABS, ETC.. PENETRATION SEALS SHALL BE PER U.L. ASSEMBLY STANDARDS.
- ELECTRICAL POWER SUPPLY FOR REQUIRED SMOKE DETECTORS AND OTHER FIRE ALARM REQUIREMENTS SHALL BE FROM A DEDICATED CIRCUIT BREAKER.
- ELECTRICAL CONTRACTOR TO PROVIDE PERMANENT TYPED CIRCUIT USE LIST IN EACH PANEL.
- LOAD DATA IS BASED ON INFORMATION GIVEN ENGINEER AT THE TIME OF DESIGN. VERIFY ALL EQUIPMENT NAMEPLATE RATINGS BEFORE ORDERING.
- CIRCUITS SHOWN ON PLANS ARE TO DETERMINE LOAD DATA AND PANEL SIZES. THE CONTRACTOR IS TO PROVIDE CIRCUITS AND ROUTING OF CONDUITS TO SUIT JOB CONDITIONS.
- ALL SERVICE ENTRANCE DISCONNECTS SHALL BE PERMANENTLY LABELED FOR THE SPACE THEY SERVE.
- SIGNAGE SHALL BE PROVIDED FOR ALL ELECTRICAL PANELS STATING THERE WILL BE NO STORAGE WITHIN 36" OF PANELS.
- ELECTRICAL WIRING SHALL BE IN A CONDUIT SYSTEM, PER APPLICABLE SECTIONS OF THE LATEST ADOPTED EDITION OF THE N.E.C., MUNICIPAL AND COUNTY ORDINANCES.



MOUNTING HEIGHTS
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ELECTRICAL SCHEDULES AND DETAILS



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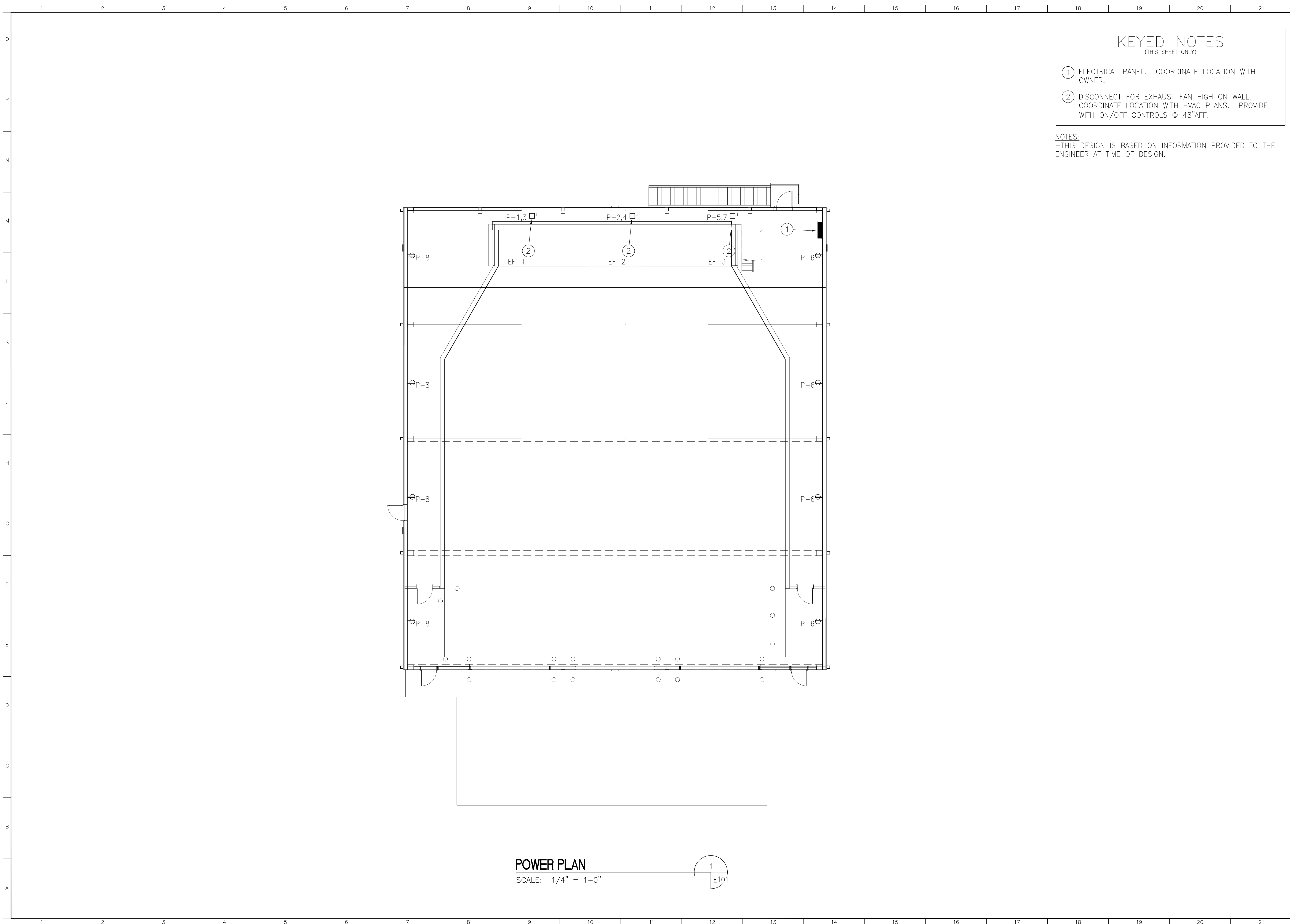
A NEW BUILDING FOR
COLLETON COUNTY
WASTE TRANSFER STATION
COLLETON COUNTY, SC

ELECTRICAL SCHEDULES AND DETAILS

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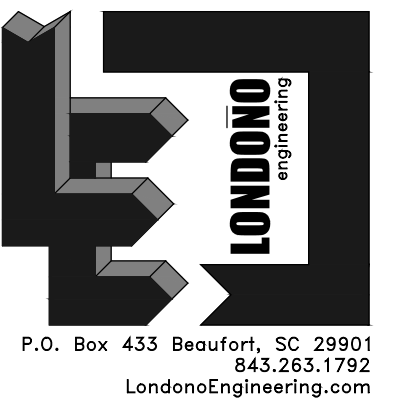


KEYED NOTES
(THIS SHEET ONLY)

① ELECTRICAL PANEL. COORDINATE LOCATION WITH OWNER.

② DISCONNECT FOR EXHAUST FAN HIGH ON WALL. COORDINATE LOCATION WITH HVAC PLANS. PROVIDE WITH ON/OFF CONTROLS @ 48" AFF.

NOTES:
-THIS DESIGN IS BASED ON INFORMATION PROVIDED TO THE ENGINEER AT TIME OF DESIGN.



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A NEW BUILDING FOR
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WASTE TRANSFER STATION
COLLETON COUNTY, SC

POWER PLAN

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DATE 08/05/16

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

E101

GENERAL MECHANICAL NOTES

- THIS DRAWING IS SCHEMATIC IN NATURE ONLY. EXACT ROUTING, SIZE AND LOCATION OF DUCTS, REGISTERS AND EQUIPMENT SHALL DEPEND ON LOCAL CONDITIONS AND CODE REQUIREMENTS.
- FINISH AND LOCATION OF ALL EXTERIOR GRILLES, LOUVERS AND MECHANICAL EQUIPMENT SHALL BE APPROVED BY ARCHITECT/OWNER.
- COORDINATE EXACT LOCATION AND SIZE OF ALL WALL AND ROOF OPENINGS WITH GENERAL CONTRACTOR.
- HVAC CONTRACTOR TO VERIFY ALL EQUIPMENT REQUIREMENTS WITH OWNER PRIOR TO BEGINNING WORK.
- HVAC CONTRACTOR TO SUPPLY SUBMITTALS ON ALL EQUIPMENT TO OWNER FOR APPROVAL PRIOR TO BEGINNING WORK.
- ALL WORK SHALL BE PERFORMED BY SKILLED MECHANICS, UNDER COMPETENT SUPERVISION, EMPLOYING LATEST & BEST PRACTICES OF THE TRADE. WORK SHALL BE INSTALLED IN ACCORDANCE W/RECOMMENDATIONS OF ASHRAE GUIDE, AND EQUIPMENT MANUFACTURER.
- CONTRACTOR TO VERIFY STRUCTURAL REQUIREMENTS WITH OWNER ON ALL AIR MECHANICAL EQUIPMENT.
- CONTRACTOR SHALL PROVIDE OWNER OPERATION AND MAINTENANCE MANUALS FOR THE ENTIRE HVAC SYSTEM PER ASHRAE 90.1 (MODEL ENERGY CODE) SECTION 403.2.10.1 PRIOR TO THE RECEIPT OF FINAL PAYMENT.

FAN SCHEDULE

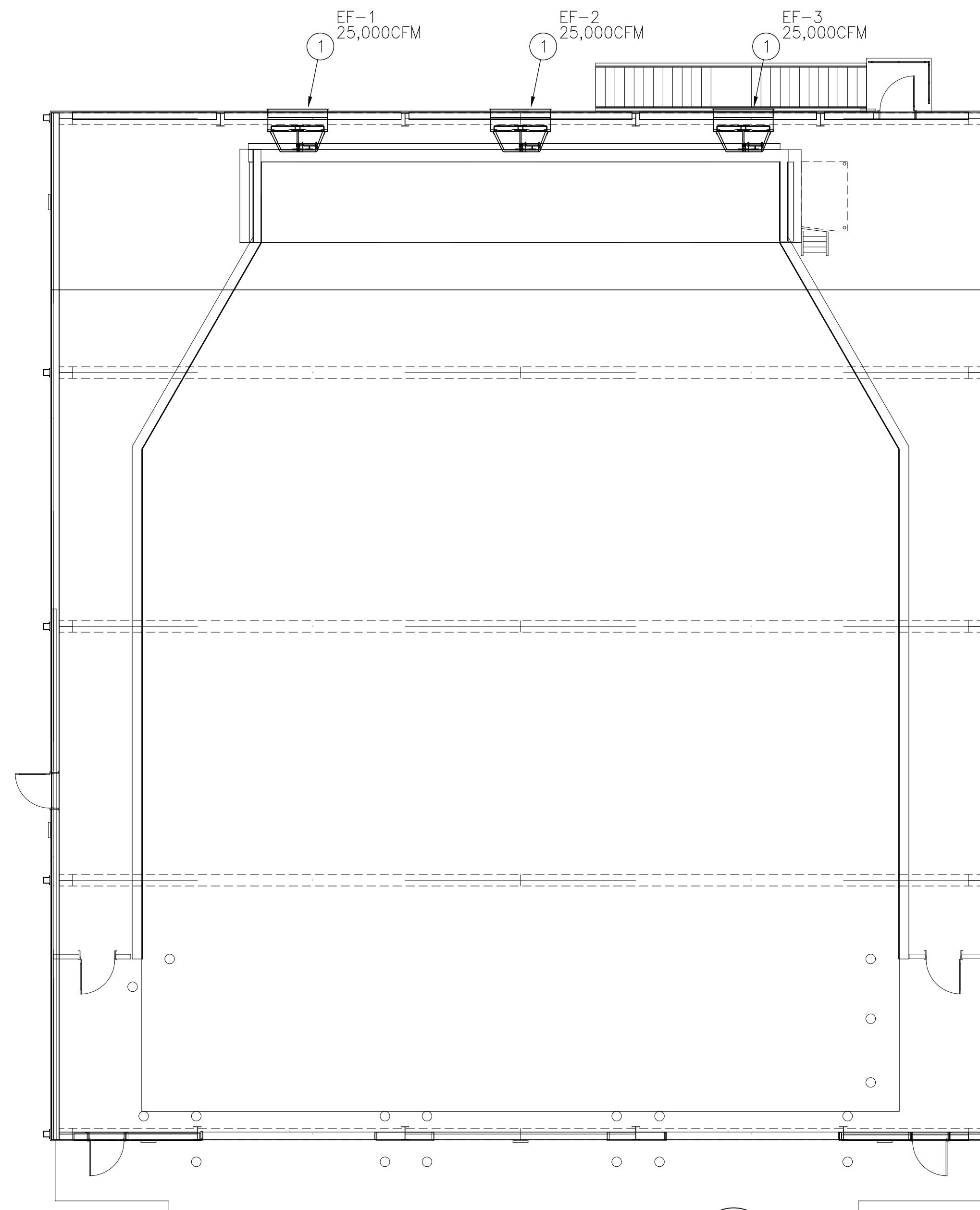
MARK	SERVES	MANUFACTURER	MODEL #	CFM	HP	ESP	ELECTRICAL	REMARKS
EF-1	WAREHOUSE EXHAUST	GREENHECK	SBE-1L54-15	25,000	1.5	0.125	240V, 1 ϕ	SIDEWALL EXHAUST FAN. PROVIDE WITH ON/OFF CONTROLS @ 48" AFF. ALL FANS TO RUN DURING OCCUPIED TIMES.
EF-2	WAREHOUSE EXHAUST	GREENHECK	SBE-1L54-15	25,000	1.5	0.125	240V, 1 ϕ	SIDEWALL EXHAUST FAN. PROVIDE WITH ON/OFF CONTROLS @ 48" AFF. ALL FANS TO RUN DURING OCCUPIED TIMES.
EF-3	WAREHOUSE EXHAUST	GREENHECK	SBE-1L54-15	25,000	1.5	0.125	240V, 1 ϕ	SIDEWALL EXHAUST FAN. PROVIDE WITH ON/OFF CONTROLS @ 48" AFF. ALL FANS TO RUN DURING OCCUPIED TIMES.

SELECTED OPTIONS AND ACCESSORIES

UL/CUL 705 LISTED - "POWER VENTILATORS"
 AIRFLOW DIRECTION: EXHAUST
 DAMPER MOUNTED, WD-320-PB-56X56, GRAVITY OPERATED, NOT COATED
 MOTOR ACCESS: FROM INT. OF BLDG.
 WALL COLLAR ASSEMBLED
 SWITCH, NEMA-1, TOGGLE, SHIPPED WITH UNIT
 CLOSURE ANGLES
 BEARINGS WITH GREASE FITTINGS

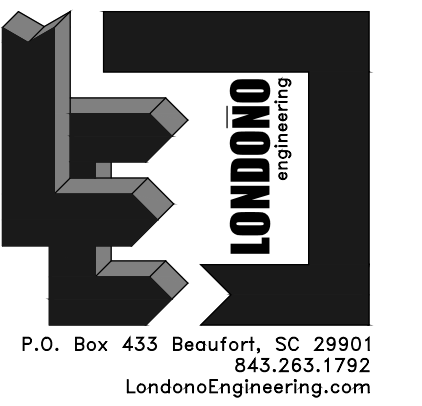
KEYED NOTES (THIS SHEET ONLY)

- SIDEWALL EXHAUST FAN. MOUNT HIGH ON WALL. PROVIDE WITH ON/OFF CONTROLS @ 48" AFF. ALL FANS TO RUN DURING OCCUPIED TIMES. SEE ARCHITECTURAL ELEVATIONS FOR LOCATION.

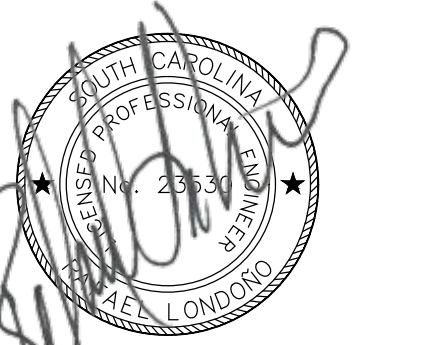


HVAC PLAN
 SCALE: 1/8" = 1'-0"

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 P101



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 843.263.1792
 LondonoEngineering.com



08/05/16

ISSUED FOR:
 PERMIT

A NEW BUILDING FOR
 COLLETON COUNTY
 WASTE TRANSFER STATION
 COLLETON COUNTY, SC

HVAC PLAN

REV.	DATE	DESCRIPTION	REV. BY

PROJECT NO. 2016.18.02
 DRAWN BY RL
 CHECKED BY RL
 DATE 08/05/16

M101

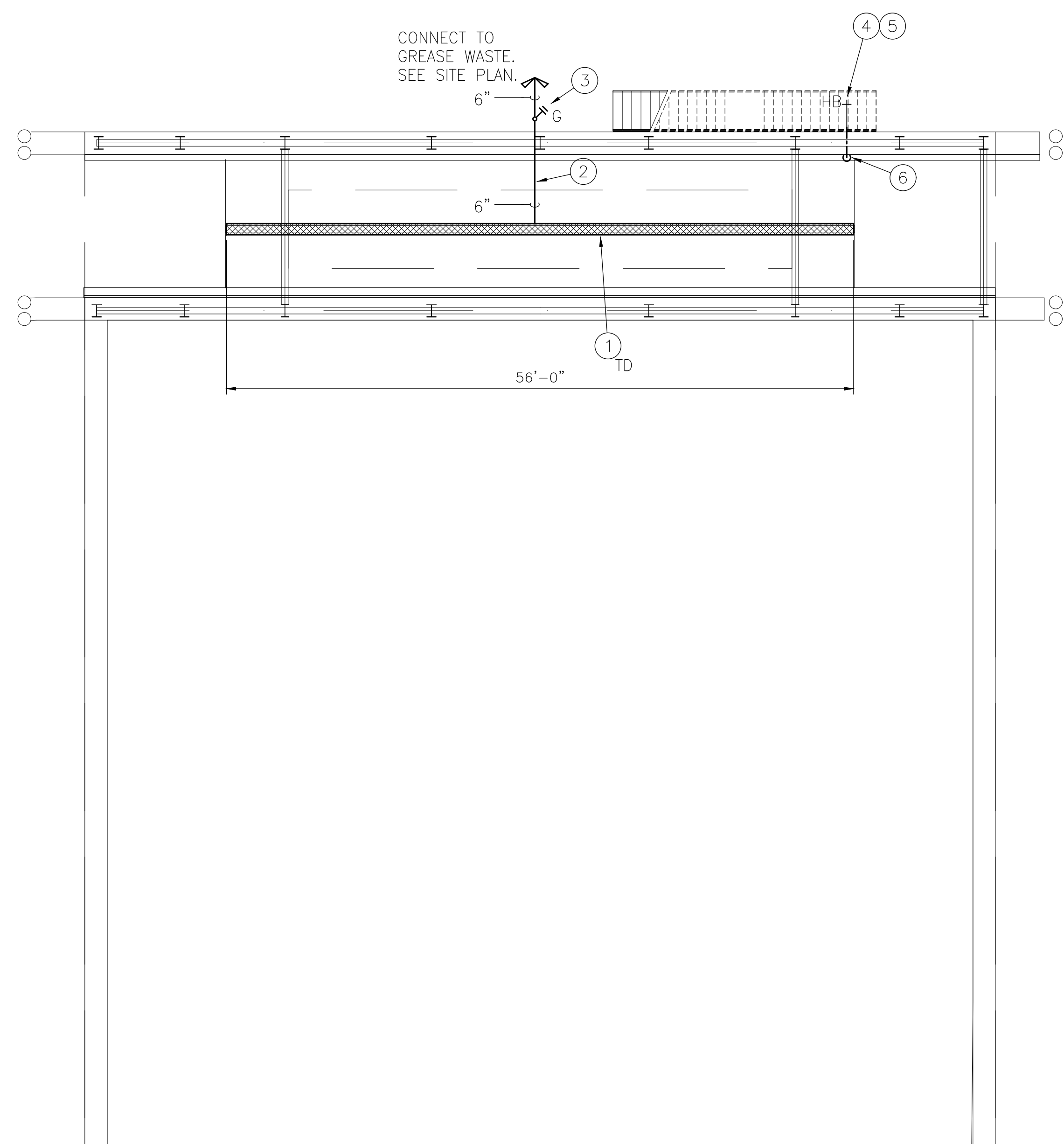
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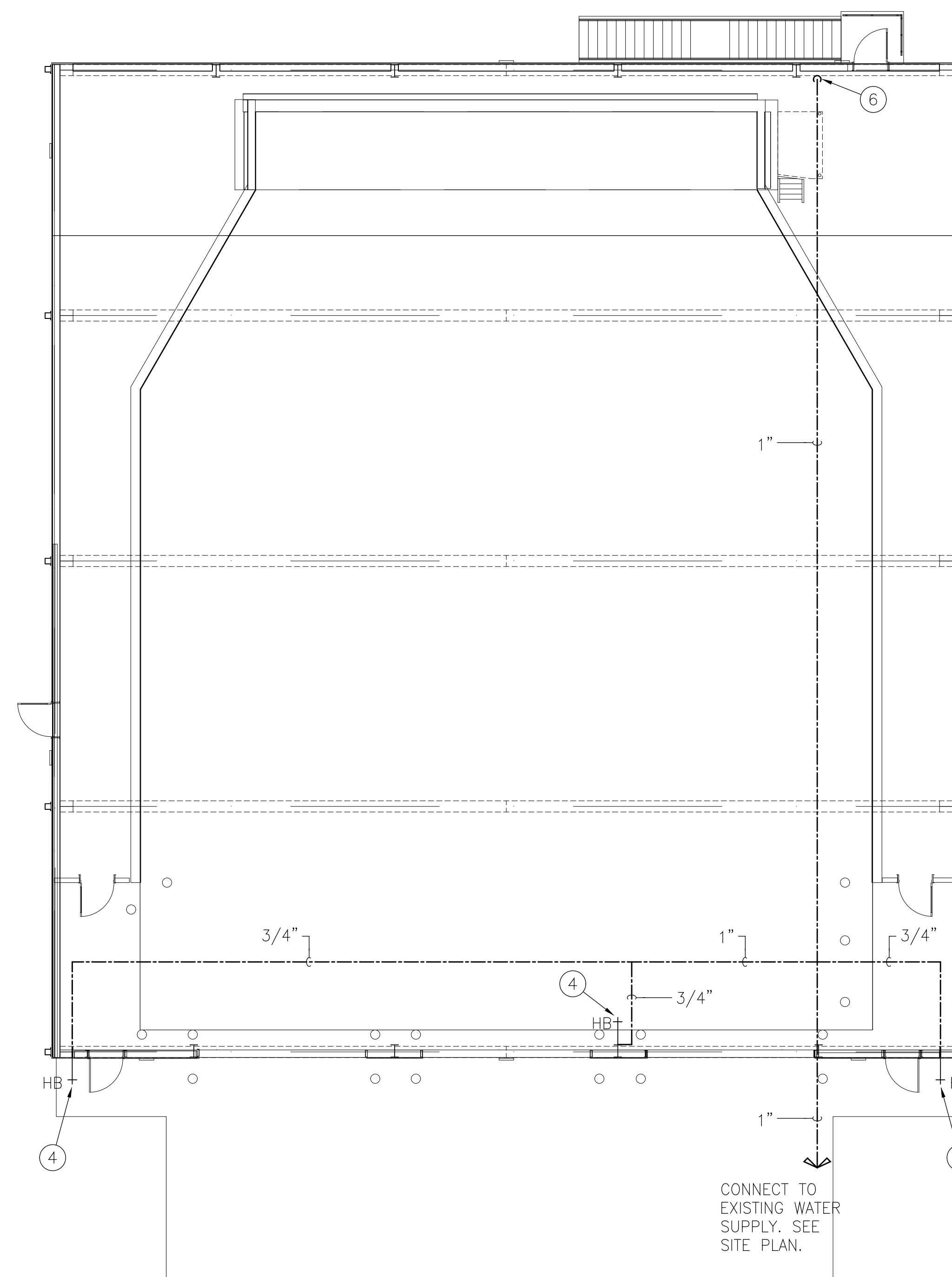
KEYED NOTES
(THIS SHEET ONLY)

- ① TRENCH DRAIN IN PIT.
- ② WASTE LINE BELOW SLAB.
- ③ TWO WAY GRADE CLEAN OUT.
- ④ FREEZEPROOF HOSE BIBB WITH BACKFLOW PREVENTER. PROVIDE 3/4" CONNECTION TO COLD WATER SUPPLY.
- ⑤ LOCATE HOSE BIBB UNDER STAIRS.
- ⑥ 3/4" CW DOWN TO EXTERIOR HOSE BIBB.

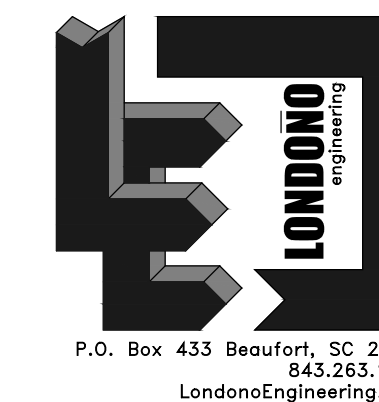
NOTES:
-THIS DESIGN IS BASED ON INFORMATION PROVIDED TO THE ENGINEER AT TIME OF DESIGN
-ALL WATER LINES TO BE BELOW SLAB.



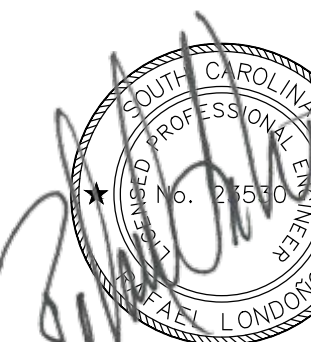
LOWER FLOOR PLUMBING PLAN 2
SCALE: 1/8" = 1'-0" P101



MAIN FLOOR PLUMBING PLAN 1
SCALE: 1/8" = 1'-0" P101



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08/05/16

ISSUED FOR:
PERMIT

A NEW BUILDING FOR:
COLLETON COUNTY
WASTE TRANSFER STATION
COLLETON COUNTY, SC

PLUMBING PLANS

REV.	DATE	DESCRIPTION	REV. BY

PROJECT NO: 2016.18.02
DRAWN BY: RL
CHECKED BY: RL
DATE: 08/05/16

P101

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