

March 13, 2013

Garvin Design Group
1209 Lincoln St.
Columbia, SC 29201

ADDENDUM NO. 1

The following items shall take precedence over the drawings and specifications for the above named project and shall become a part of the contract documents. Where any item called for in the specifications, or indicated on the drawings, is not supplemented hereby, the original requirements shall remain in effect. Where any original item is amended, voided, or superseded hereby, the provisions of such item not specifically amended, voided or superseded shall remain in effect.

General

- | <u>Item No.</u> | <u>Description</u> |
|-----------------|--|
| 1. | <u>General:</u> See attached non-mandatory Pre-Bid Conference sign-in sheet for meeting attendees. |
| 2. | <u>General:</u> General Contractor shall coordinate with the University and the Band and Dance Facility Faculty/Staff in the adjacent building to assure that their daily operations are not disturbed by construction activities. Access to the band practice field itself, for general site access and for water and sewer installation per the Documents, must be coordinated with the University in advance and the timing/duration of this work approved before construction commences. |
| 3. | <u>General:</u> The University will coordinate with the General Contractor concerning site access and parking provisions. |
| 4. | <u>General:</u> Temporary construction fencing will not be required. |
| 5. | <u>General:</u> General Contractor will be responsible for providing protection for the concrete and brick paver plaza area to be used for site access. Any and all damaged concrete, brick pavers, or other parts of the existing site must be repaired to original condition at the General Contractor's expense. |
| 6. | <u>General:</u> Concrete slab in the open shelter area to be pitched slightly from center to outboard edges of the slab to avoid standing water under shelter. Final slope to be set and verified in field with Architect. |
| 7. | <u>General:</u> Building permit will be issued by the University, not the City of Columbia. No other permits are required. |
| 8. | <u>General:</u> No sewer or water tap fees are required, and no water meter to be included. |
| 9. | <u>Clarification:</u> Reference Drawing E1.0: Electrical panel noted as "Existing Panel A" is located in the existing fenced-in enclosure under the pedestrian bridge. |

10. Clarification: Reference Drawing S1: All 12” diameter wood posts are to be preservative treated, and a consistent 12” diameter for full height.
11. Clarification: Please see attached re-issued complete set of bid Drawings, which are being re-issued only due to printing issues reported from downloading the set from the University purchasing website. During printing, certain letter characters in title blocks are changed to “rectangles,” due to compression of the electronic files. No scope of work content has changed in the documents. Bidders are to use this re-issued set of bid Drawings.

Project Manual / Specifications

<u>Item No.</u>	<u>Description</u>
1.	<u>Revision:</u> Reference Section 074113 – Metal Roof Panels and Trim. In paragraph 2.4, B., 1. add: Construction Metal Products, Inc. (Statesville, NC) and Metal Roofing Systems, Inc. (Stanley, NC) as approved manufacturers. Submitted products must meet all specified criteria, subject to Architect’s review and approval.
2.	<u>Revision:</u> Reference Section 087100 – Door Hardware. In the Hardware Schedule on page 087100-10, revise the following: <ol style="list-style-type: none">a. Hardware Set #1, revise ND53PD (F109) to L9050L 06A. Finish remains 626.b. Hardware Set #1, add one Best 1E-74 STD 626 cylinder with each lock. Furnish as Best construction core.c. In Hardware Set #2, revise ND70PD (F84) to L9070L 06A. Finish remains 626.d. Hardware Set #2, add one Best 1E-74 STD 626 cylinder with each lock. Furnish as Best construction core.

END OF ADDENDUM NO. 1

Attachments:

1. Non-mandatory Pre-Bid Conference sign-in sheet.
2. Re-issued complete set of bid Drawings (to correct printing issues only).



University of South Carolina
Columbia, South Carolina

Pre Bid for Challenge Course Building and Fence Construction/H27-1981
March 7, 2013 @ 10am

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Lee Hammersta

Hammer Construction LLC

185 Hampton Creele Way
Columbia, SC 29209

PHONE# 803-709-0864

FAX# 803-783-7035

EMAIL Lee@HammerConstructionCompany.com

Bill Davis

Lindell Corate Co. Inc.

531 S. Edral Avenue
Columbia, SC 29205

PHONE# 803-252-9948

FAX# 803-779-3609

EMAIL WDAWK43@SC.PR.COM

LAW POWENS

HUSS, INC.

PO Box 12339

CHARLESTON, SC 29412

PHONE# 843-937-0023

FAX# 843-937-0095

EMAIL HUSSINC@BELLSOUTH.NET

Bobby Alexander

PYRAMID CONTRACTING, LLC

1198-A LYKES LAKE
Columbia, SC 29063

PHONE# 803-732-2350

FAX# 803-732-6881

EMAIL Wade@pyramidcontracting.com

Make sure to include your company name (on this form) as registered with LLR.

By signing this sheet and providing your email address you are authorizing the University of South Carolina to send information to you electronically.



University of South Carolina
Columbia, South Carolina

Pre Bid for Challenge Course Building and Fence Construction/H27-I981
March 7, 2013 @ 10am

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Gary Haynes

PHONE# 803 926 0000
FAX# 803 926 7609
EMAIL ghaynes@malonyeng.com

James Linn

PHONE# 803 781 3141
FAX# 803 781 3142
EMAIL JIM@R-AT-000.COM

James Gregory
Cherokee Inc

PHONE# 803 776 4870
FAX# 776 5507
EMAIL jgregory@cherokee-sc.com

PHONE#
FAX#
EMAIL

Make sure to include your company name (on this form) as registered with LLR.

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University of South Carolina
Columbia, South Carolina

Pre Bid for Challenge Course Building and Fence Construction/H27-I981
March 7, 2013 @ 10am

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Severin Mullen

M. Dillon Construction, Inc.

PO Box 90472

Columbia, SC 29290

PHONE# 803-351-7894

FAX# 877-401-8388

EMAIL severin@mdillonconstruction.com

Kirsten Tyler

Tyler Construction Group

P.O. Box 25037

Columbia SC 29224

PHONE# 803-865-1404

FAX# 803-865-1415

EMAIL ktyler@tyler-construction.com

John Wallace

Hood Const. Co

1050 Shop Rd. Suite A

Columbia, SC 29201

PHONE# 803-765-2946

FAX# 803-771-0449

EMAIL johnwallace@hoodconstruction.com

CRYS LYBRAND

CONSTRUCTION SERVICES OF SC, LLC

500 GREENWOOD RD

WEST COLUMBIA SC 29169

PHONE# 803-603-3963

FAX# 803-794-4755

EMAIL CLYBRAND_MCI@yahoo.com

↑ underscore

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University of South Carolina
Columbia, South Carolina

Pre Bid for Challenge Course Building and Fence Construction/H27-I981
March 7, 2013 @ 10am

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

Waquana Brooks

USC Procurement

PHONE# 777-3596

FAX#

EMAIL

JEFF ABRAMS

USC FACILITIES

PHONE#

FAX#

EMAIL

Dominique Robinson

USC Facilities

PHONE#

FAX#

EMAIL

TERMY BUCHMANN

GARWIN DESIGN GROUP.

PHONE#

FAX#

EMAIL

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University of South Carolina
Columbia, South Carolina

Pre Bid for Challenge Course Building and Fence Construction/H27-I981
March 7, 2013 @ 10am

ATTENDEE'S NAME

COMPANY NAME & MAILING ADDRESS

SHANNON E. CROUCH

LINDLER CONST. CO. INC.

P.O. BOX 5496

COLUMBIA, SOUTH CAROLINA

PHONE# 803.743.2650

FAX# 803.779.3609

EMAIL shancrouch@sc.rr.com

PHONE#

FAX#

EMAIL

PHONE#

FAX#

EMAIL

PHONE#

FAX#

EMAIL

Make sure to include your company name (on this form) as registered with LLR.

By signing this sheet and providing your email address you are authorizing the University of South Carolina to send information to you electronically.

GENERAL NOTES

- TOPOGRAPHIC SURVEY WAS COMPLETED BY COX AND DINKINS, INC., ON MARCH 8, 2012. NO BOUNDARY OR TOPOGRAPHIC SURVEY WAS PERFORMED BY R.B. TODD CONSULTING ENGINEERS.
- OWNER: UNIVERSITY OF SOUTH CAROLINA
CONTACT: JEFF ABRAMS
PHONE NUMBER: 803-239-8074
TMS: PORTIONS OF 11302-07-02 AND 11306-13-01
ZONING: C-1 OFFICE & INSTITUTIONAL
DEVELOPMENT ADDRESS: BEHIND 324 SUMMER STREET
TOTAL ACREAGE: 6.01 ACRES
DISTURBED AREA: 0.1 ACRES
- ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45079C 0094H, DATED FEBRUARY 20, 2002, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
- THE CONTRACTOR SHALL NOTIFY PUPS AT 1-888-721-7877 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL UNDERGROUND UTILITIES LOCATED.

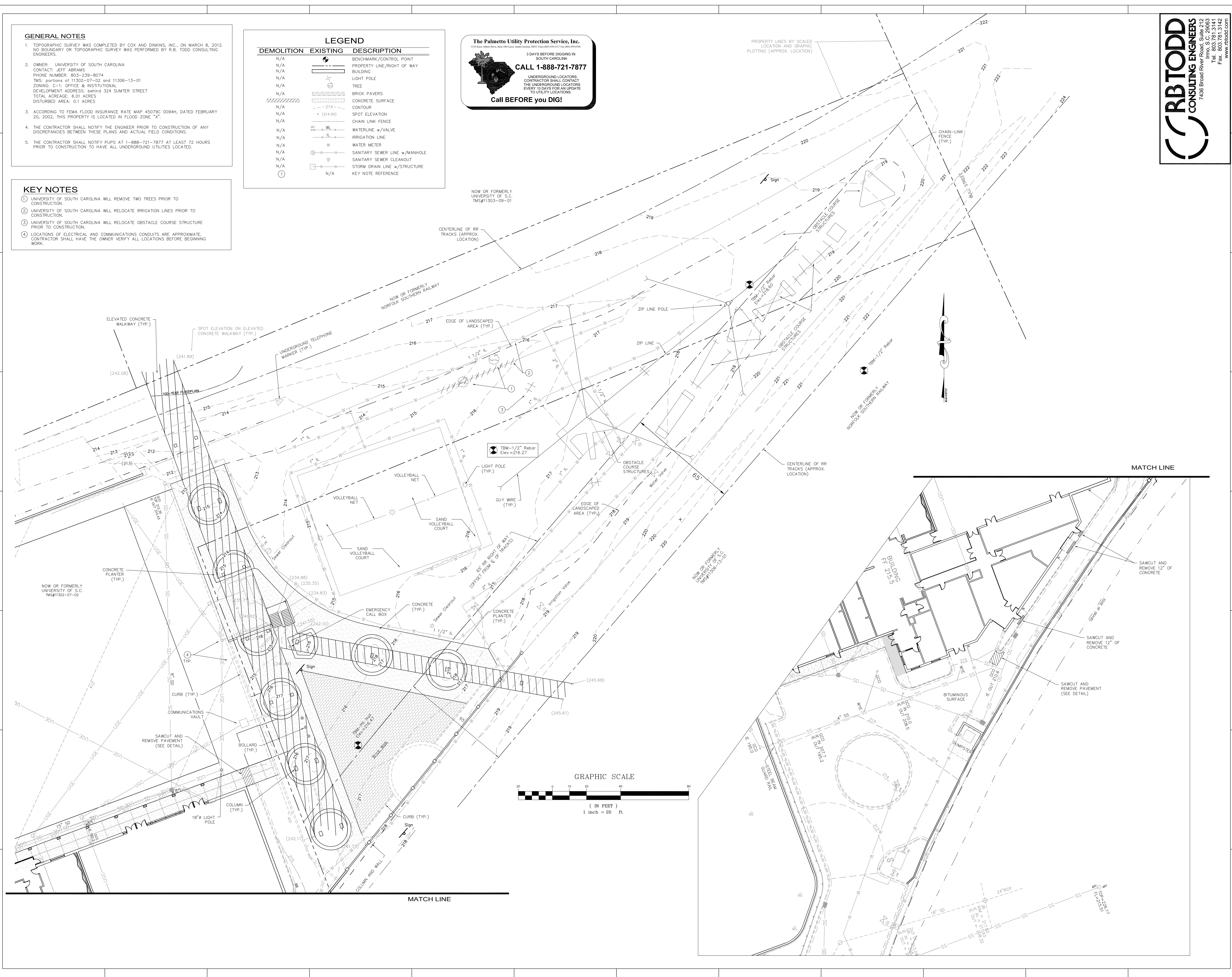
LEGEND

DEMOLITION	EXISTING	DESCRIPTION
N/A	(Symbol: Square with dot)	BENCHMARK/CONTROL POINT
N/A	(Symbol: Solid line)	PROPERTY LINE/RIGHT OF WAY
N/A	(Symbol: Circle with dot)	BUILDING
N/A	(Symbol: Circle with cross)	LIGHT POLE
N/A	(Symbol: Circle with dot)	TREE
N/A	(Symbol: Hatched pattern)	BRICK PAVERS
N/A	(Symbol: Dashed line)	CONCRETE SURFACE
N/A	(Symbol: Dashed line)	CONTOUR
N/A	(Symbol: Circle with cross)	SPOT ELEVATION
N/A	(Symbol: Dashed line)	CHAIN LINK FENCE
N/A	(Symbol: Line with 'W')	WATERLINE w/ VALVE
N/A	(Symbol: Line with 'IL')	IRRIGATION LINE
N/A	(Symbol: Circle with 'W')	WATER METER
N/A	(Symbol: Circle with 'S')	SANITARY SEWER LINE w/ MANHOLE
N/A	(Symbol: Circle with 'C')	SANITARY SEWER CLEANOUT
N/A	(Symbol: Square with 'S')	STORM DRAIN LINE w/ STRUCTURE
N/A	(Symbol: Circle with number)	KEY NOTE REFERENCE

The Palmetto Utility Protection Service, Inc.
1234 East Main Street, Suite 100, Columbia, South Carolina 29204 (803) 781-1177
3 DAYS BEFORE DIGGING IN SOUTH CAROLINA
CALL 1-888-721-7877
UNDERGROUND LOCATORS, CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.
Call BEFORE you DIG!

KEY NOTES

- UNIVERSITY OF SOUTH CAROLINA WILL REMOVE TWO TREES PRIOR TO CONSTRUCTION.
- UNIVERSITY OF SOUTH CAROLINA WILL RELOCATE IRRIGATION LINES PRIOR TO CONSTRUCTION.
- UNIVERSITY OF SOUTH CAROLINA WILL RELOCATE OBSTACLE COURSE STRUCTURE PRIOR TO CONSTRUCTION.
- LOCATIONS OF ELECTRICAL AND COMMUNICATIONS CONDUITS ARE APPROXIMATE. CONTRACTOR SHALL HAVE THE OWNER VERIFY ALL LOCATIONS BEFORE BEGINNING WORK.



RBTODD CONSULTING ENGINEERS
7436 Broad River Road, Suite 212
Columbia, SC 29212
Tel: 803.761.3141
Fax: 803.761.3142
www.rbtodd.com

GARVINDESIGNGROUP
architecture interiors planning
803.212.1074 f
P. O. Box 18 Columbia, SC 29202

SOUTH CAROLINA ASSOCIATES, INC.
No. 033047
STATE OF SOUTH CAROLINA
EXERCISES JURISDICTION

SOUTH CAROLINA PROFESSIONAL ENGINEER
No. 2192
JAMES E. GARVIN
1-10-13

PROJECT TITLE
CHALLENGE COURSE BUILDING AND FENCE

Behind 324 Summer Street
Columbia, SC 29202

NO.	NAME	DATE

DRAWING TITLE
EXISTING CONDITIONS AND DEMOLITION PLAN

DRAWN BY: JFS
CHECKED BY: JFS

PROJECT NO. 011513
DATE 01/15/13
DRAWING NO. C1.0

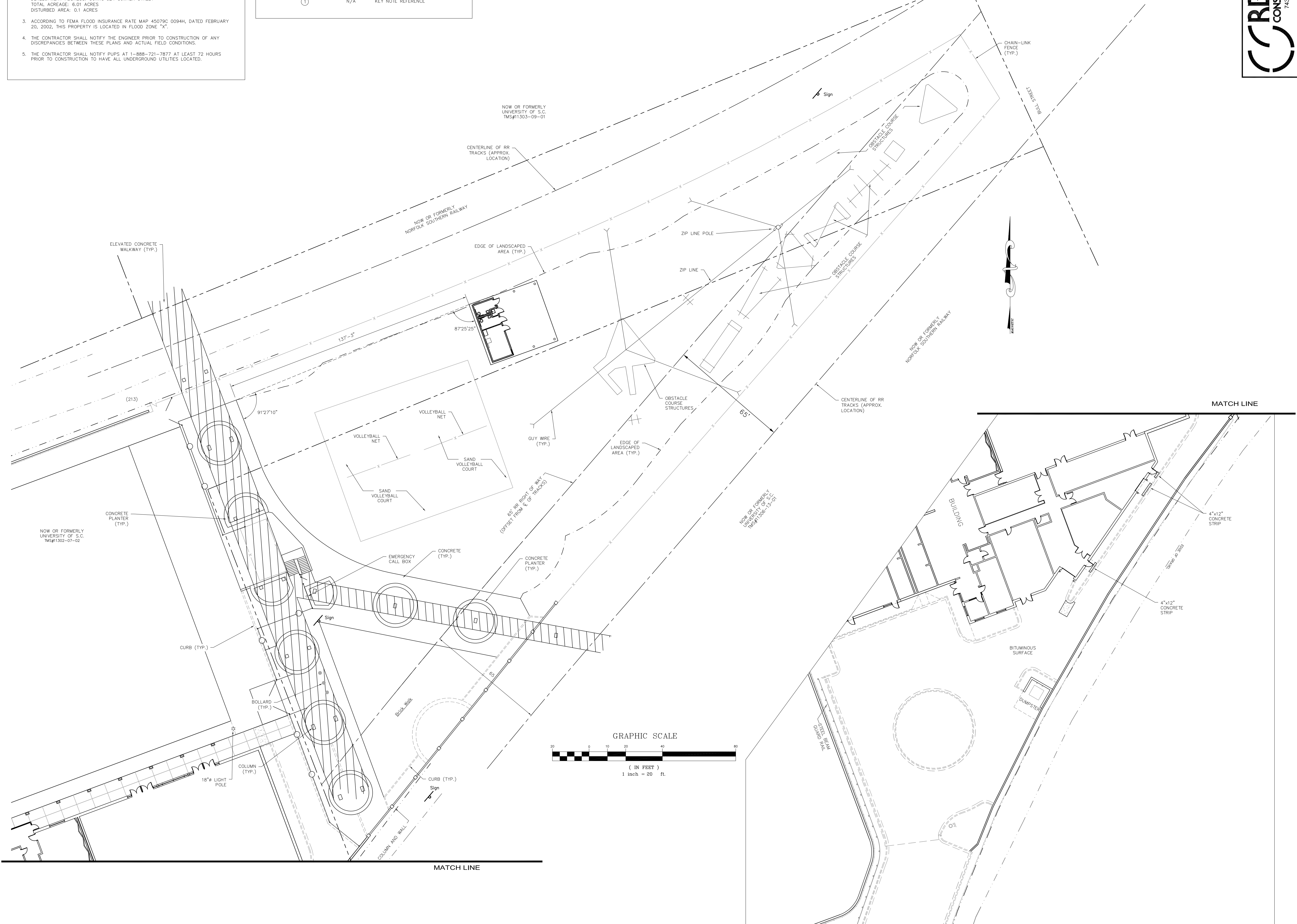
Jan 10, 2013 - 11:11pm S:\11193 USC Challenge Course\Drawings\DWG\121102\11193-USC Challenge Course.dwg

GENERAL NOTES

1. TOPOGRAPHIC SURVEY WAS COMPLETED BY COX AND DINKINS, INC., ON MARCH 8, 2012. NO BOUNDARY OR TOPOGRAPHIC SURVEY WAS PERFORMED BY R.B. TODD CONSULTING ENGINEERS.
2. OWNER: UNIVERSITY OF SOUTH CAROLINA
CONTACT: JEFF ABRAMS
PHONE NUMBER: 803-239-8074
TMS: portions of 11302-07-02 and 11306-13-01
ZONING: C-1 OFFICE & INSTITUTIONAL
DEVELOPMENT ADDRESS: behind 324 SUMNER STREET
TOTAL ACREAGE: 6.01 ACRES
DISTURBED AREA: 0.1 ACRES
3. ACCORDING TO FEMA FLOOD INSURANCE RATE MAP 45079C 0094H, DATED FEBRUARY 20, 2002, THIS PROPERTY IS LOCATED IN FLOOD ZONE "X".
4. THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO CONSTRUCTION OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
5. THE CONTRACTOR SHALL NOTIFY PUPS AT 1-888-721-7877 AT LEAST 72 HOURS PRIOR TO CONSTRUCTION TO HAVE ALL UNDERGROUND UTILITIES LOCATED.

LEGEND

NEW	EXISTING	DESCRIPTION
N/A	[Symbol]	BUILDING
N/A	[Symbol]	LIGHT POLE
[Symbol]	[Symbol]	CURB AND GUTTER
[Symbol]	[Symbol]	BITUMINOUS SURFACE
[Symbol]	[Symbol]	CONCRETE SURFACE
[Symbol]	[Symbol]	CHAIN LINK FENCE
①	N/A	KEY NOTE REFERENCE



RBTODD
CONSULTING ENGINEERS
7436 Broad River Road, Suite 212
Columbia, SC 29223
Tel: 803.761.3141
Fax: 803.761.3142
www.rbtodd.com

GARVINDESIGNGROUP
architecture interiors planning
803.212.1032 p / 803.212.1074 f
1209 Lincoln Street P. O. Box 18 Columbia, SC 29202

Professional Engineer Seal for James E. [Signature] No. 2192, State of South Carolina, dated 1-10-13.

PROJECT TITLE
CHALLENGE COURSE BUILDING AND FENCE
Behind 324 Sumner Street
Columbia, SC 29202

REVISIONS NO.	NAME	DATE

PU	IFS

DRAWING TITLE
STAKING PLAN

PROJECT NO.	DATE	DRAWING NO.
U275.11	01/15/13	C2.0

GENERAL NOTES

- TOPOGRAPHIC SURVEY WAS COMPLETED BY COX AND DINKINS, INC. ON MARCH 8, 2012. NO BOUNDARY OR TOPOGRAPHIC SURVEY WAS PERFORMED BY R.B. TODD CONSULTING ENGINEERS.
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KEY NOTES

- CONTRACTOR WILL CAREFULLY REMOVE SHRUBBERY THAT INTERFERES WITH CONSTRUCTION AND RESET ALL DISTURBED PLANTS.

ALL GRASSED AREAS DISTURBED BY CONTRACTOR WILL BE GRASSED AS FOLLOWS:

GRASSING PER 1000 SQUARE FEET (TEMPORARY)

FROM MAY 1 TO AUGUST 30	FROM SEPTEMBER 1 TO APRIL 30
1 LB. BROWN TOP MILLET GRASS	6 LBS. ANNUAL RYEGRASS
15 LBS. 10-10-10 FERTILIZER	15 LBS. 10-10-10 FERTILIZER
5 LBS. MAGNESIUM SULFATE	5 LBS. MAGNESIUM SULFATE
10 LBS. CALCIUM (GYPSUM)	10 LBS. CALCIUM (GYPSUM)

LEGEND

NEW	EXISTING	DESCRIPTION
N/A	⊕	BENCHMARK/CONTROL POINT
N/A	---	PROPERTY LINE/RIGHT OF WAY
N/A	--- ---	BUILDING
N/A	⊕	TREE
N/A	---	CONTOUR
⊗ (214.50)	⊗ (214.50)	SPOT ELEVATION
N/A	⊕	FIRE HYDRANT
N/A	⊕	LIGHT POLE
WL	---	WATERLINE w/ VALVE
N/A	---	IRRIGATION LINE
N/A	---	WATER METER
SS	---	SANITARY SEWER LINE
FM	---	SANITARY SEWER FORCE MAIN
N/A	⊕	SANITARY SEWER CLEANOUT
N/A	---	STORM DRAIN LINE w/ STRUCTURE
N/A	---	CHAIN LINK FENCE
N/A	---	SILT FENCE
①	N/A	KEY NOTE REFERENCE

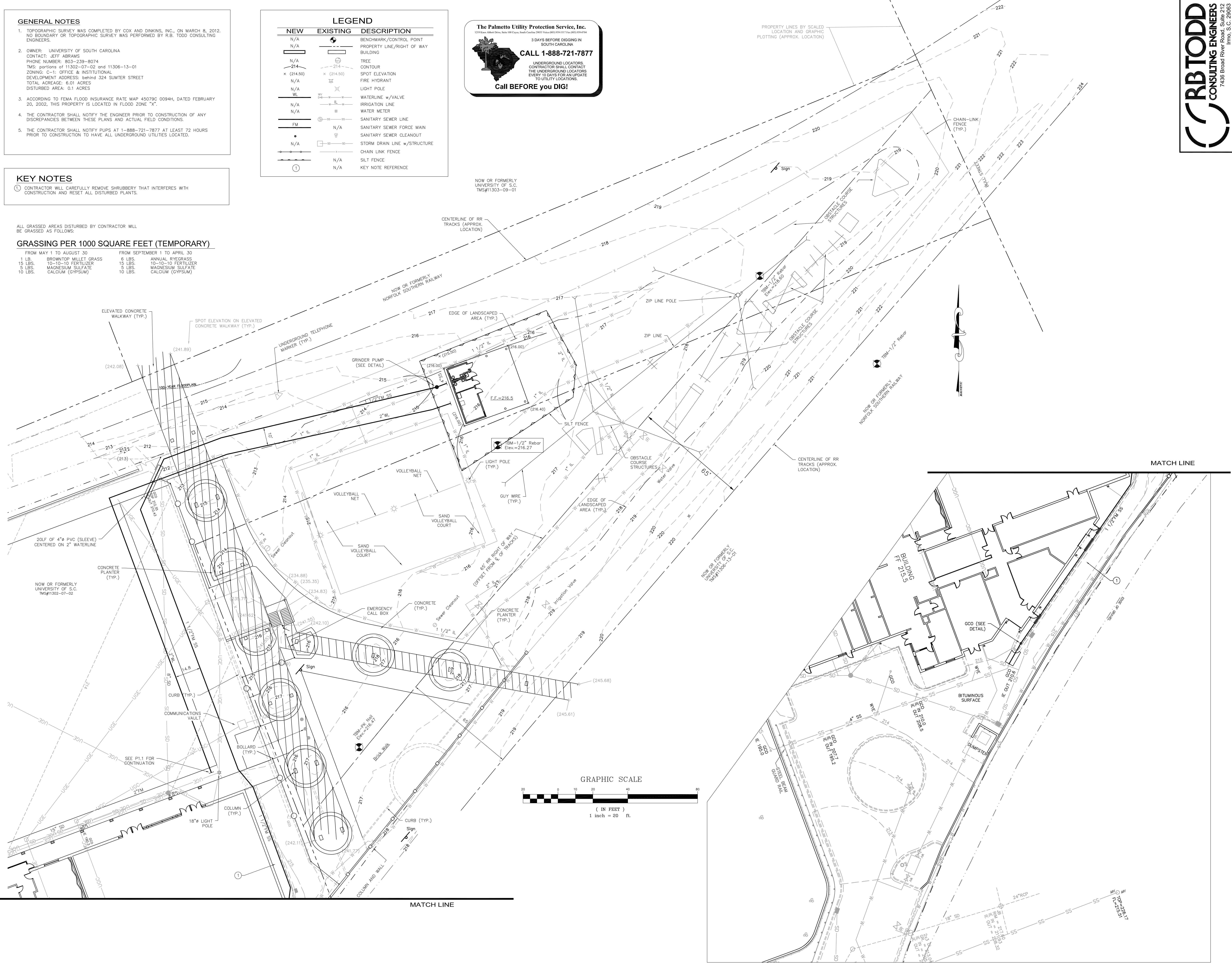
The Palmetto Utility Protection Service, Inc.
1201 East Main Street, Suite 100, Columbia, South Carolina 29204 (803) 734-1017 Fax: (803) 734-1044

CALL 1-888-721-7877

3 DAYS BEFORE DIGGING IN SOUTH CAROLINA

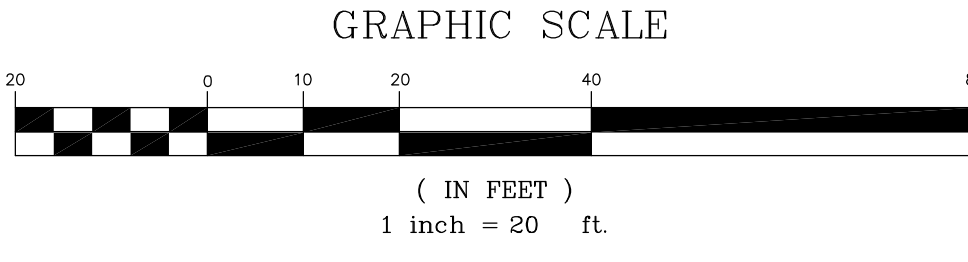
Call BEFORE you DIG!

UNDERGROUND LOCATORS CONTRACTOR SHALL CONTACT THE UNDERGROUND LOCATORS EVERY 10 DAYS FOR AN UPDATE TO UTILITY LOCATIONS.



NOW OR FORMERLY UNIVERSITY OF S.C. TMS#11303-09-01

NOW OR FORMERLY UNIVERSITY OF S.C. TMS#11306-13-01



RBTODD
CONSULTING ENGINEERS

7436 Broad River Road, Suite 212
Columbia, South Carolina 29223
Tel: 803.781.3141
Fax: 803.781.3142
www.rbtodd.com

GARVINDESIGNGROUP
architecture interiors planning

803.212.1074 f
1209 Lincoln Street P. O. Box 18 Columbia, SC 29202

SOUTH CAROLINA
REGISTERED PROFESSIONAL ENGINEER
NO. 03347

SOUTH CAROLINA
REGISTERED PROFESSIONAL ARCHITECT
NO. 2192

James E. Garvin
1-10-13

PROJECT TITLE
CHALLENGE COURSE BUILDING AND FENCE

Behind 324 Sumner Street
Columbia, SC 29202

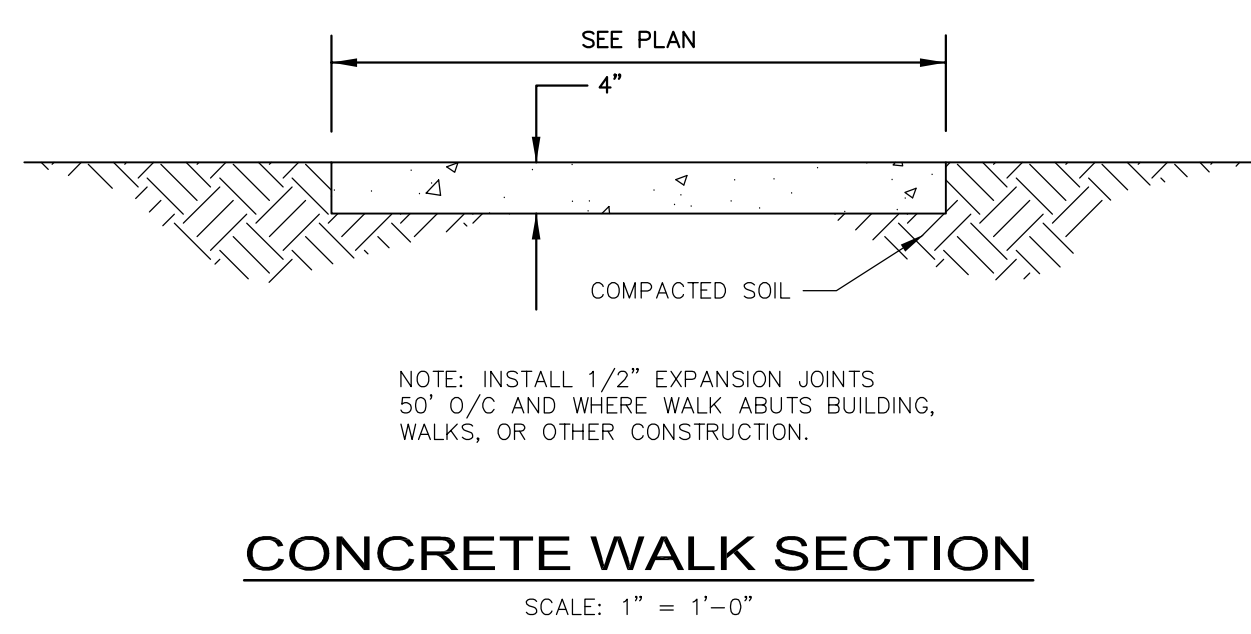
NO.	NAME	DATE

PI	JFS

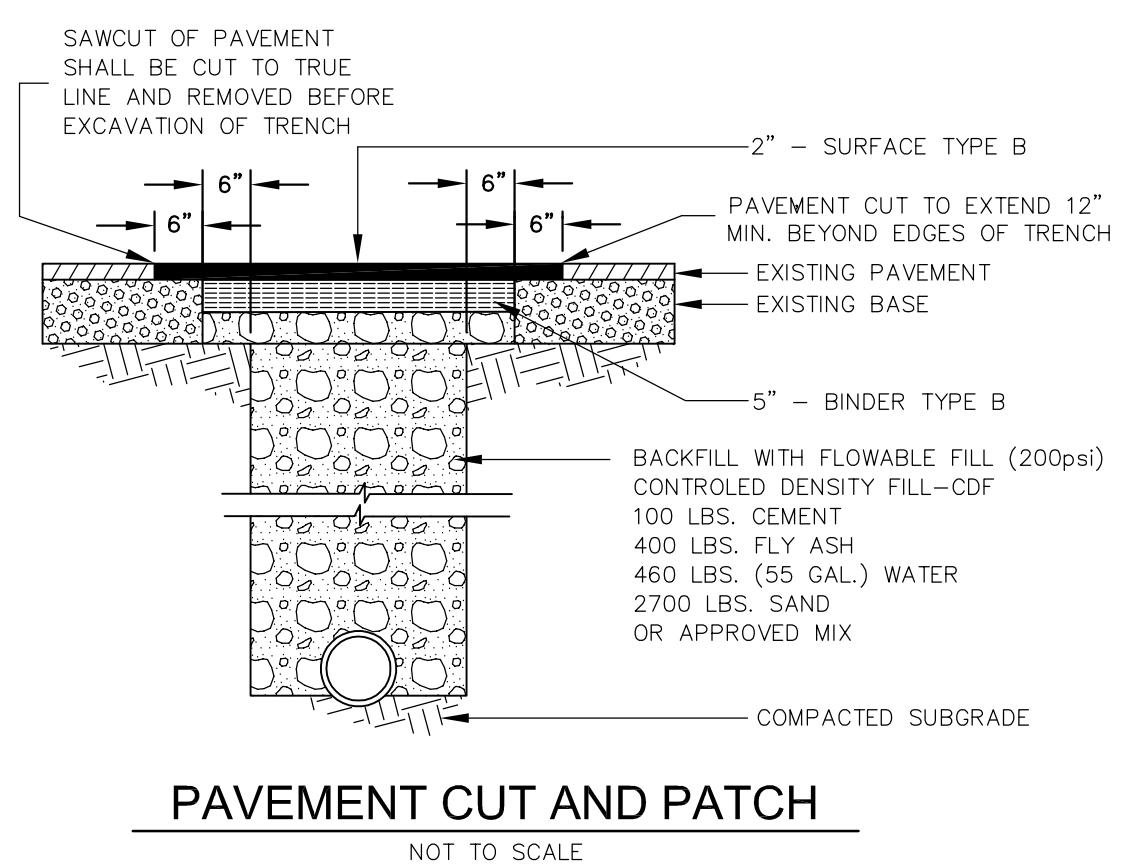
DRAWING TITLE
GRADING AND UTILITIES PLAN

PROJECT NO. UZ75.11
DATE 01/15/13
DRAWING NO. **C3.0**

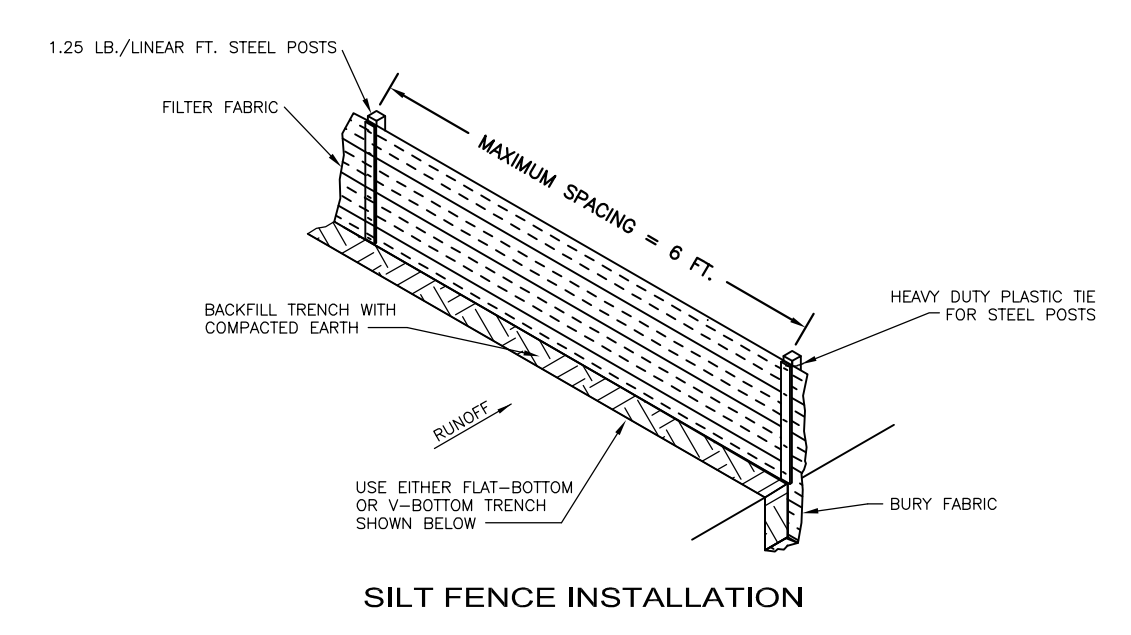
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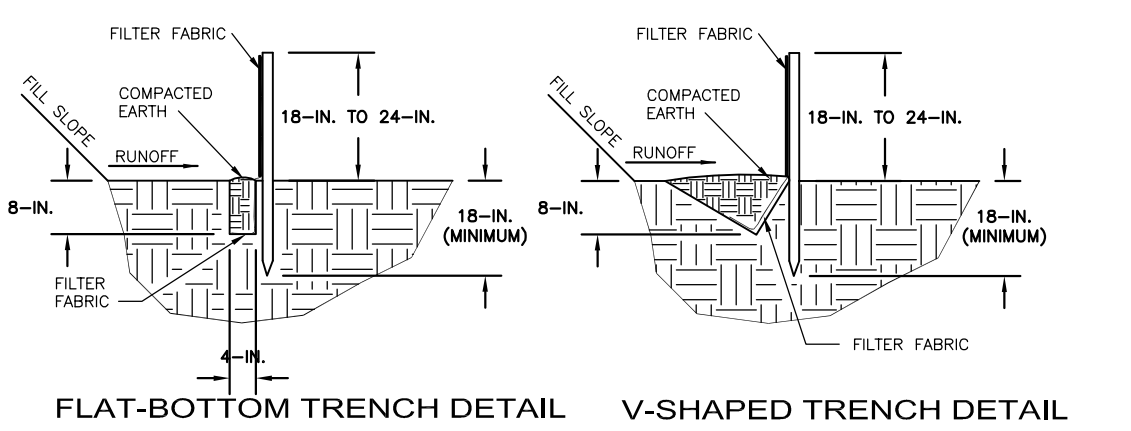
CONCRETE WALK SECTION
SCALE: 1" = 1'-0"



PAVEMENT CUT AND PATCH
NOT TO SCALE

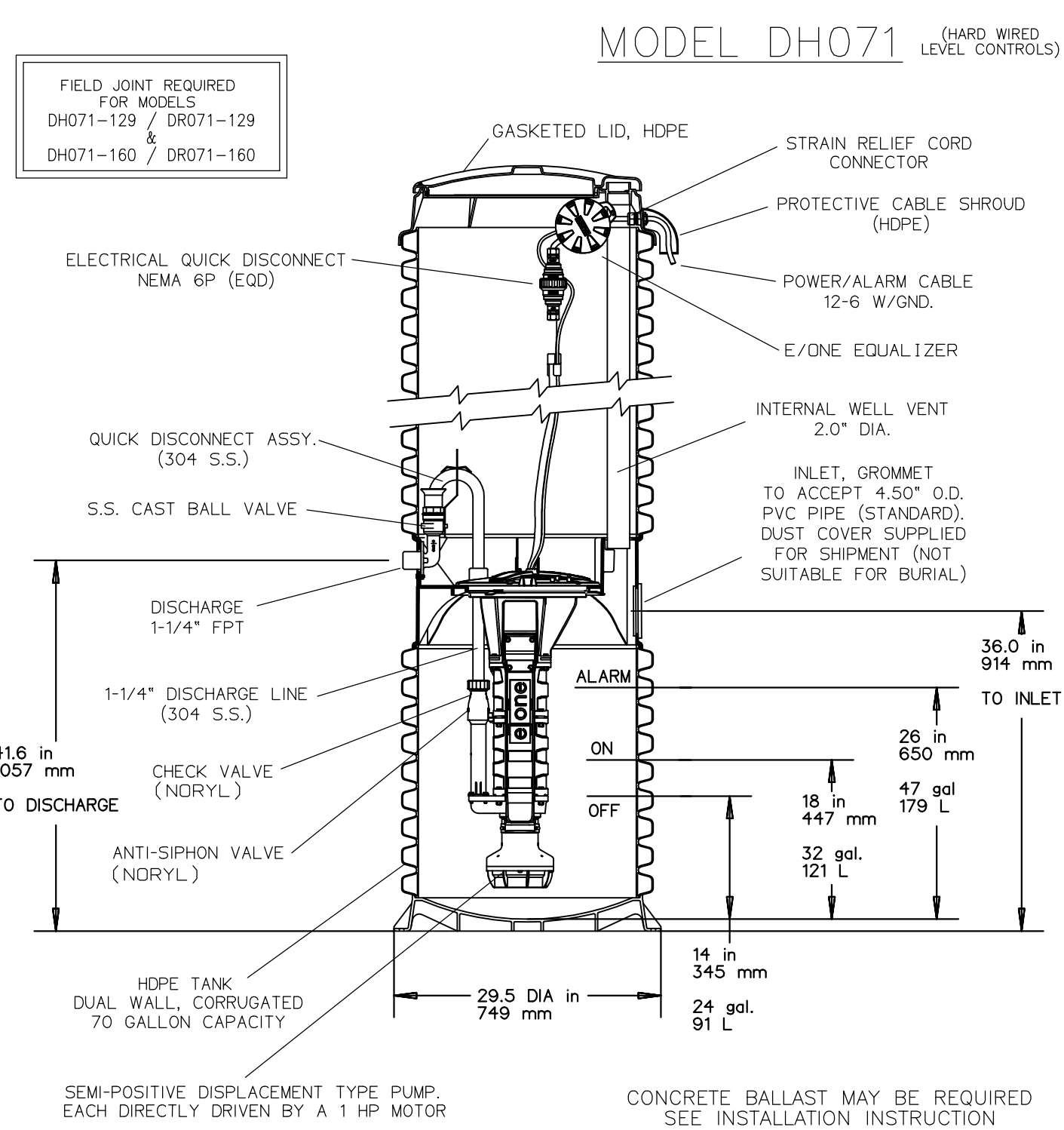


SILT FENCE INSTALLATION

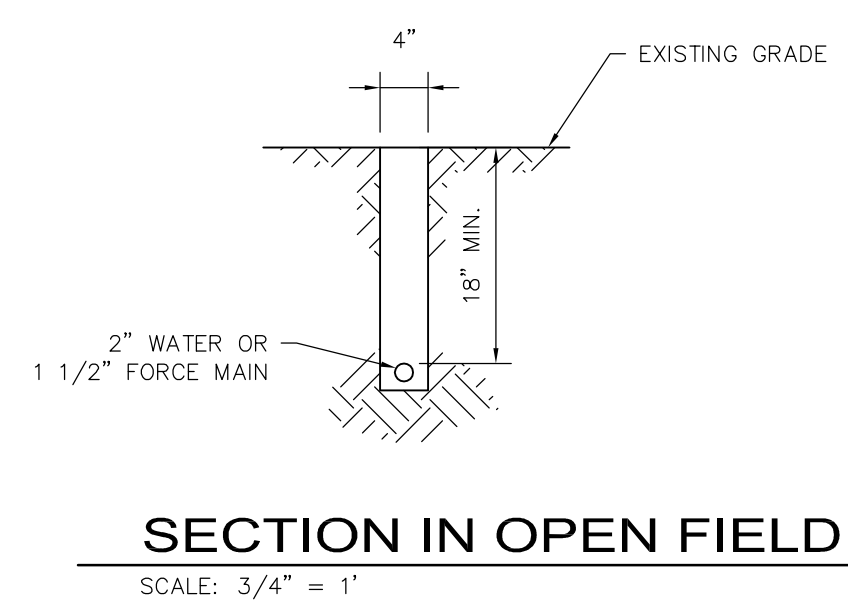


SILT FENCE
NOT TO SCALE

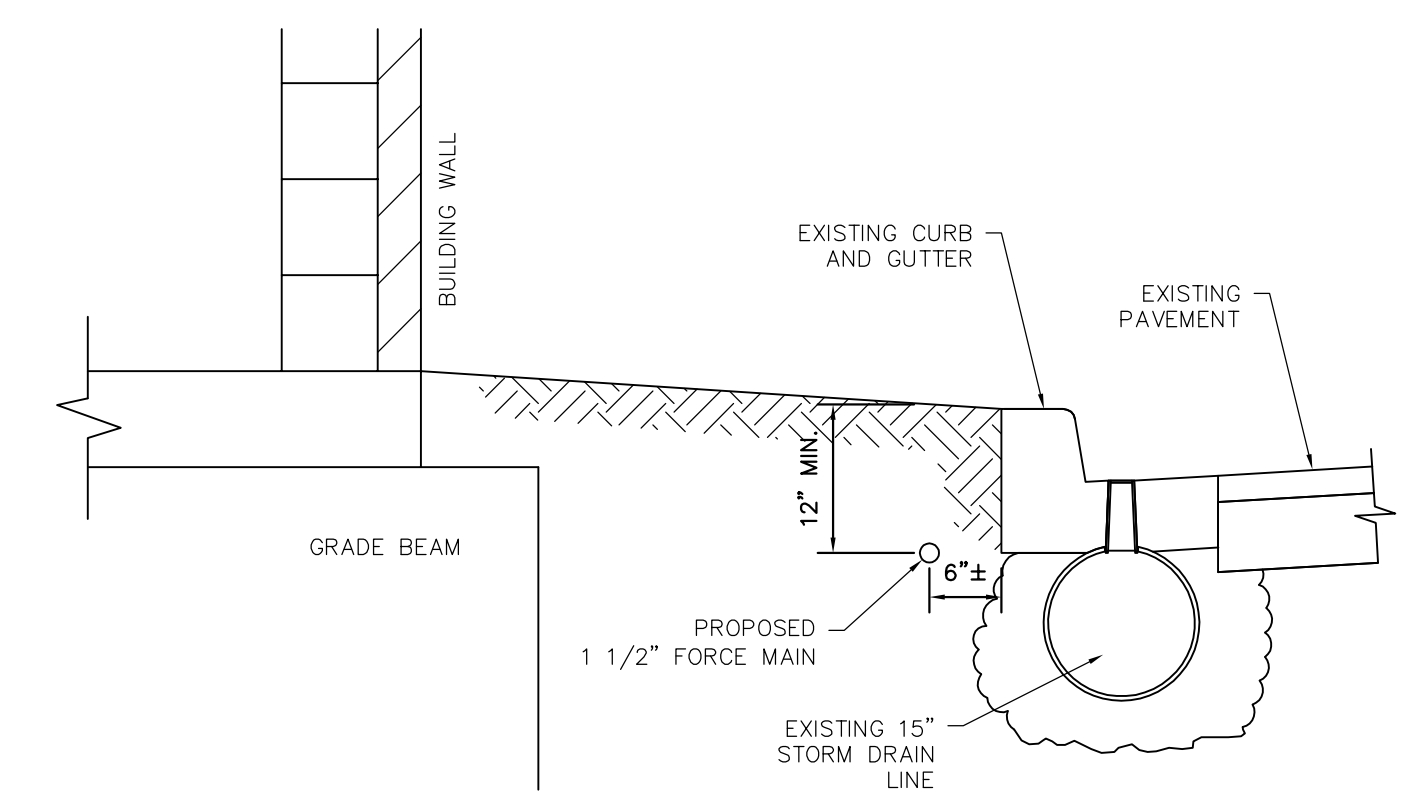
Inspection and Maintenance of Silt Fences
All sediment and erosion control devices shall be inspected at least once every fourteen (14) calendar days and within 24 hours of the end of a storm event of 0.5 inches or greater. If site inspections identify BMPs that are damaged or are not operating effectively, maintenance must be performed as soon as practicable or as reasonably possible and before the next storm event whenever practicable. 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 overlapping. 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.



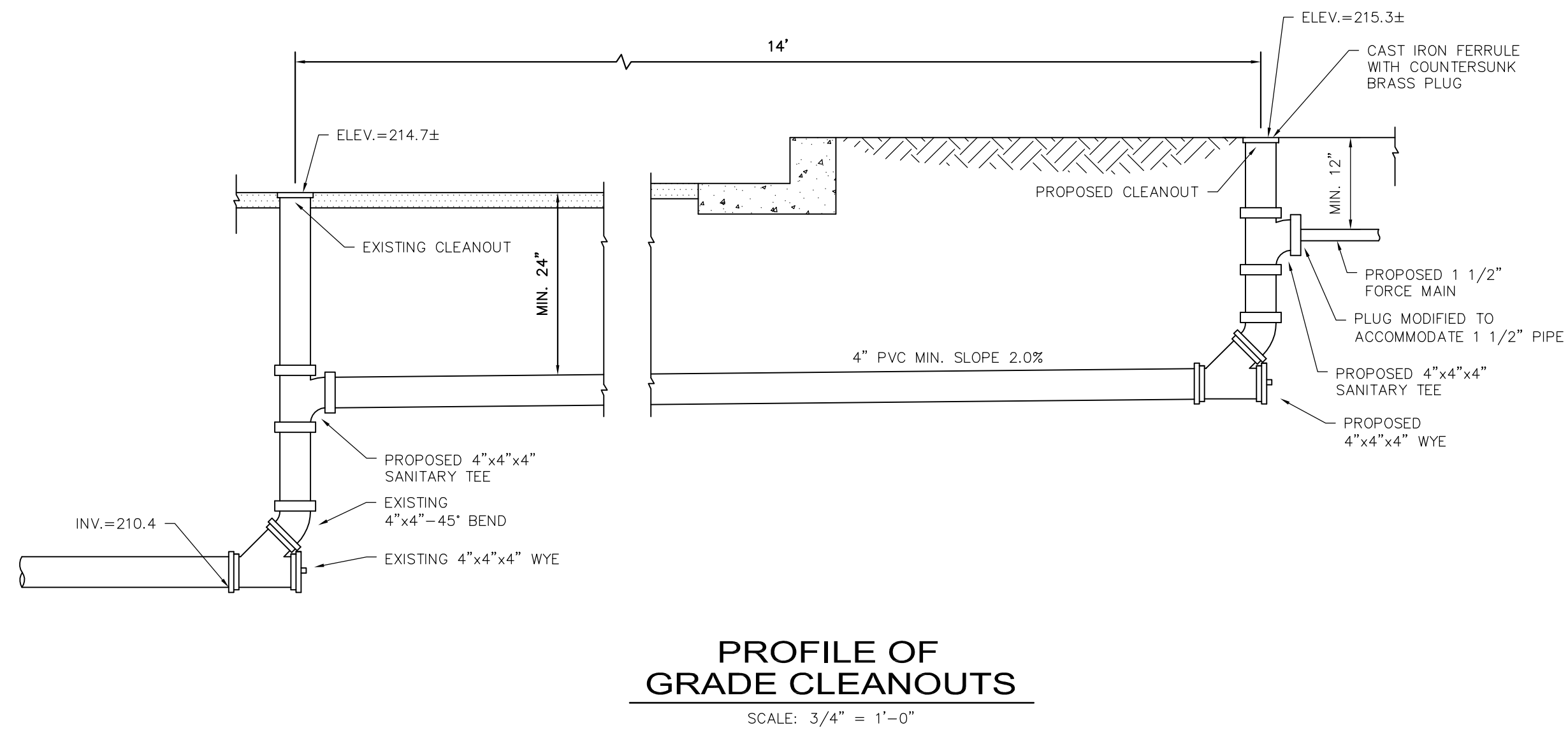
GRINDER PUMP STATION
NOT TO SCALE



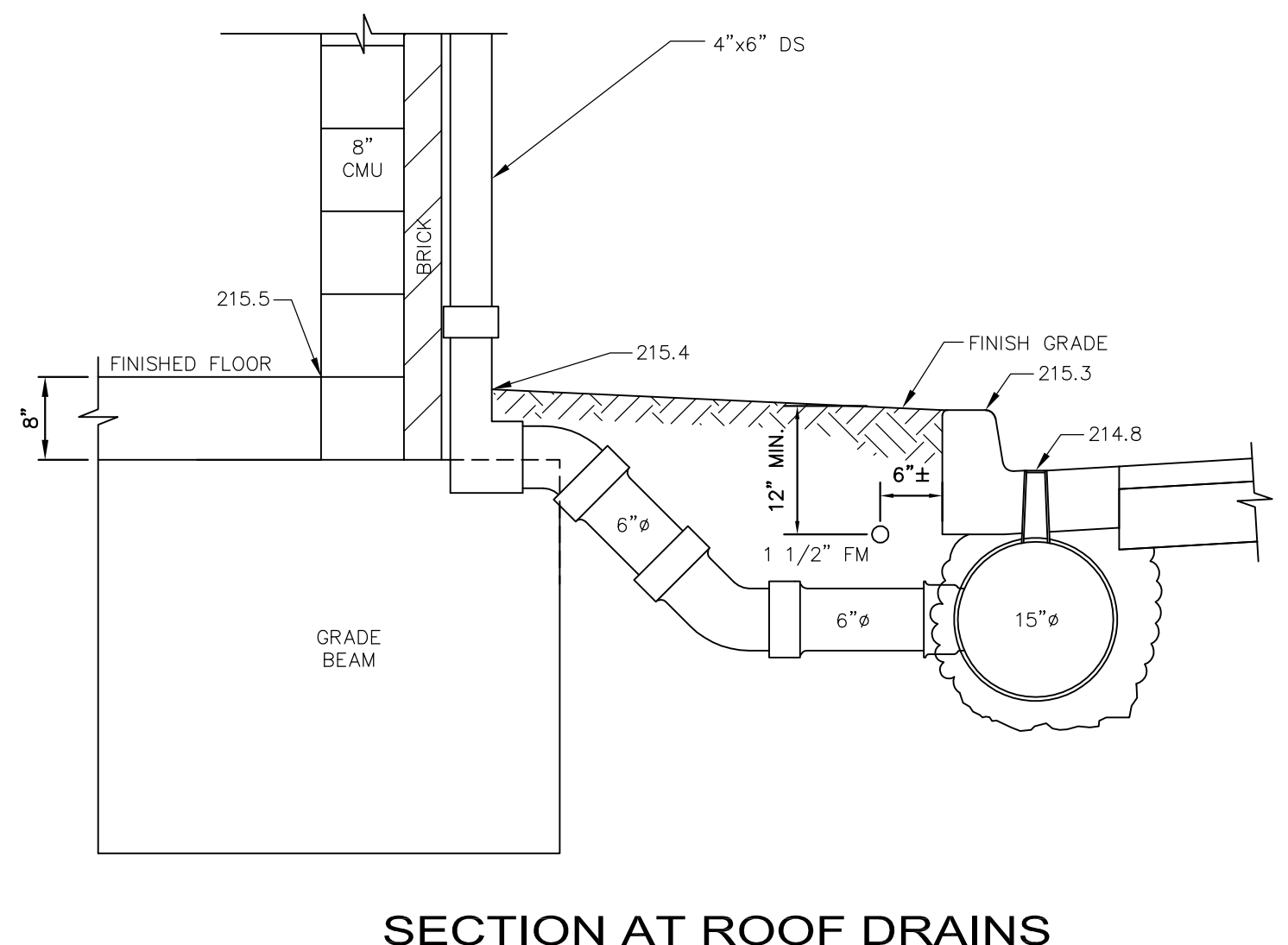
SECTION IN OPEN FIELD
SCALE: 3/4" = 1'



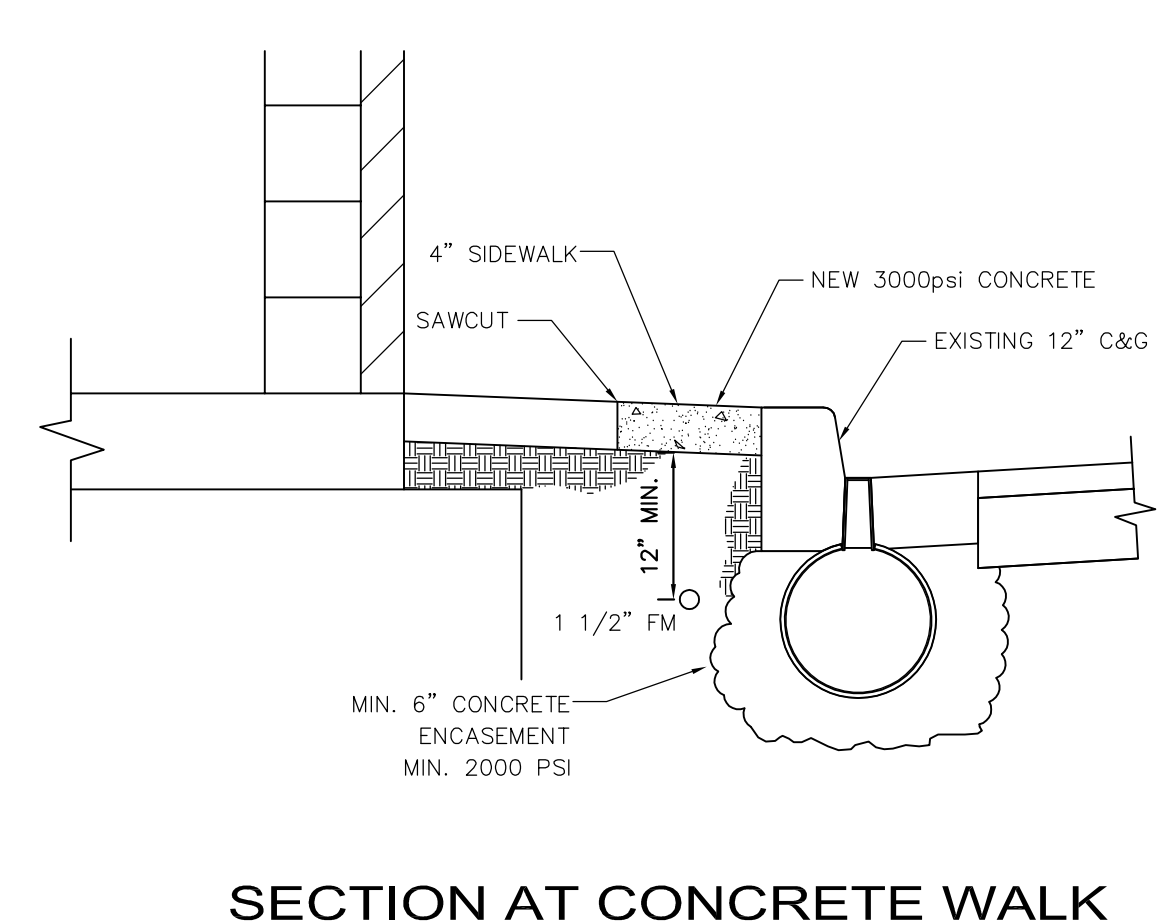
SECTION IN PLANTING AREA
SCALE: 3/4" = 1'



PROFILE OF GRADE CLEANOUTS
SCALE: 3/4" = 1'-0"



SECTION AT ROOF DRAINS
SCALE: 3/4" = 1'-0"



SECTION AT CONCRETE WALK
SCALE: 3/4" = 1'

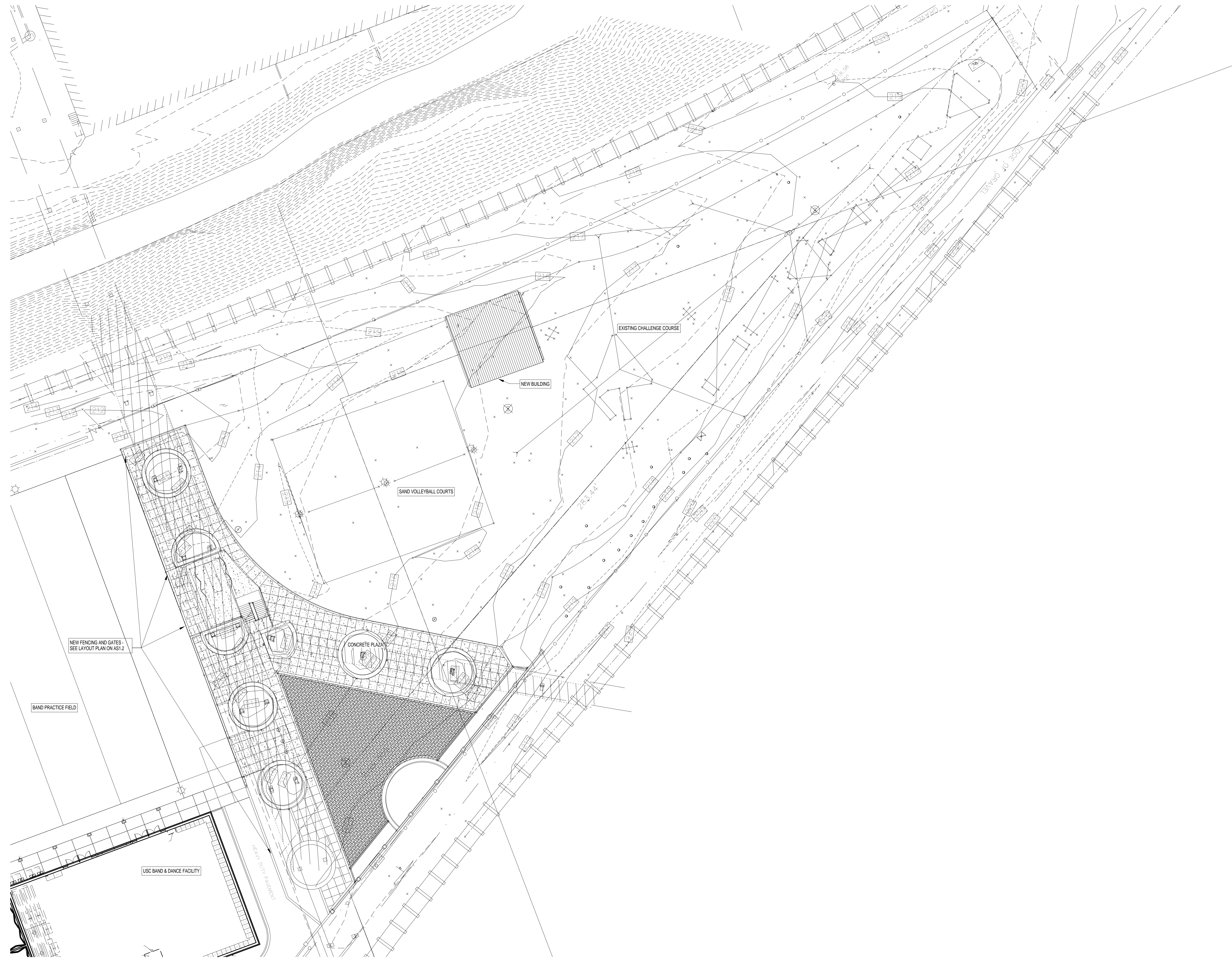
PROJECT TITLE
CHALLENGE COURSE BUILDING AND FENCE
Behind 324 Sumter Street
Columbia, SC 29208

REVISIONS NO.	NAME	DATE

DRAWN BY:
CHECKED BY:

DRAWING TITLE
DETAILS

PROJECT NO.
0275.11
DATE
01/15/13
DRAWING NO.
C4.0



1 ARCHITECTURAL SITE PLAN
 ASI.1 1" = 20'-0" REFERENCE: ON

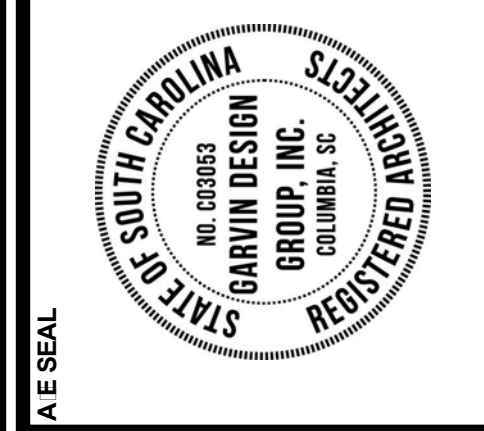
PROJECT NO. 011513
 DATE 01/15/13
 DRAWING NO. AS1.1

PROJECT TITLE
ARCHITECTURAL SITE PLAN

DRAWING NO. 011513
 CHECKED BY []
 DRAWN BY []
 AUTHORIZED BY []
 DATE 01/15/13

REVISION NO.	NAME	DATE

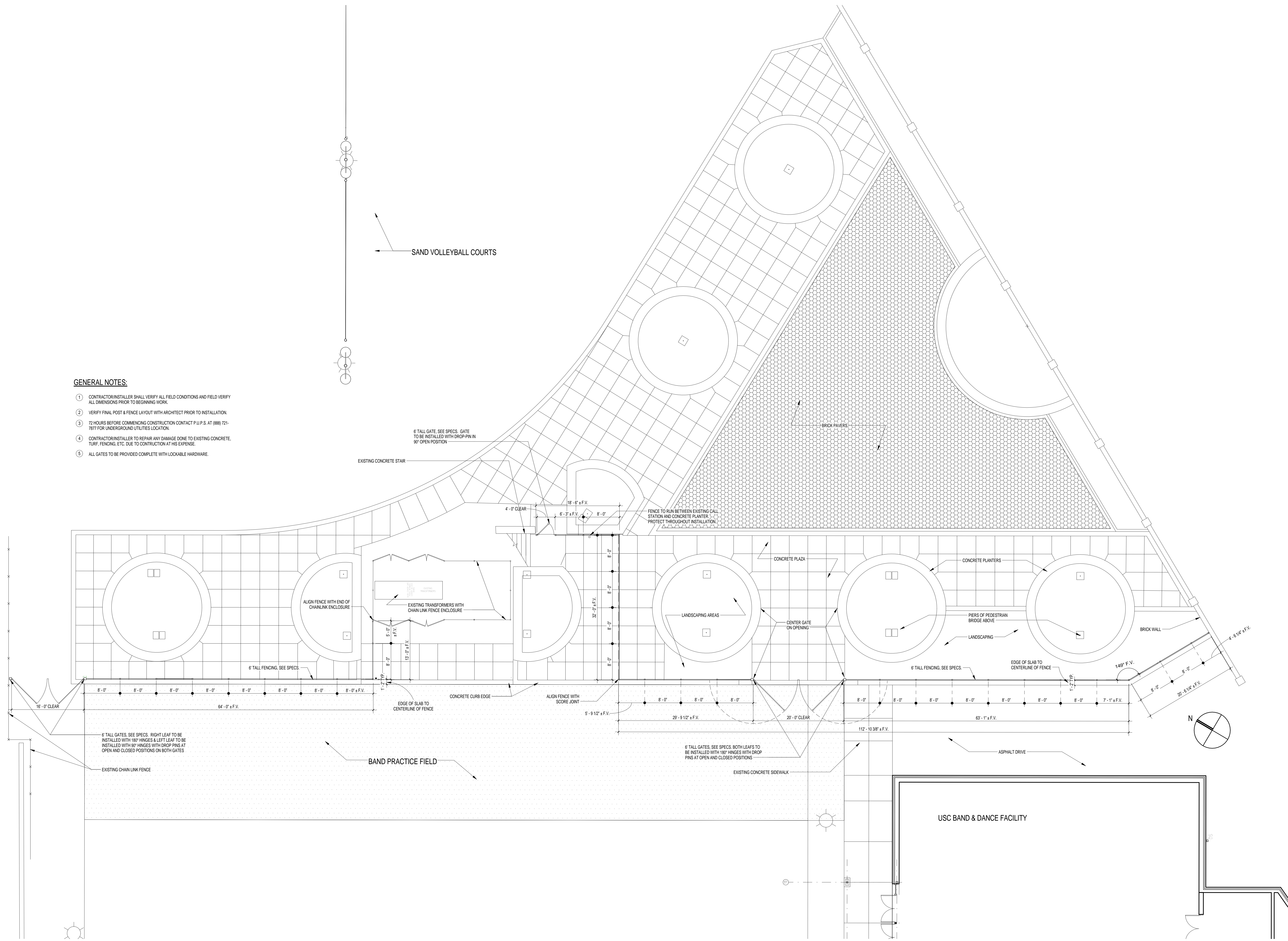
PROJECT TITLE
CHALLENGE COURSE BUILDING AND FENCE
 Behind 324 Summer Street
 Columbia, SC 29208



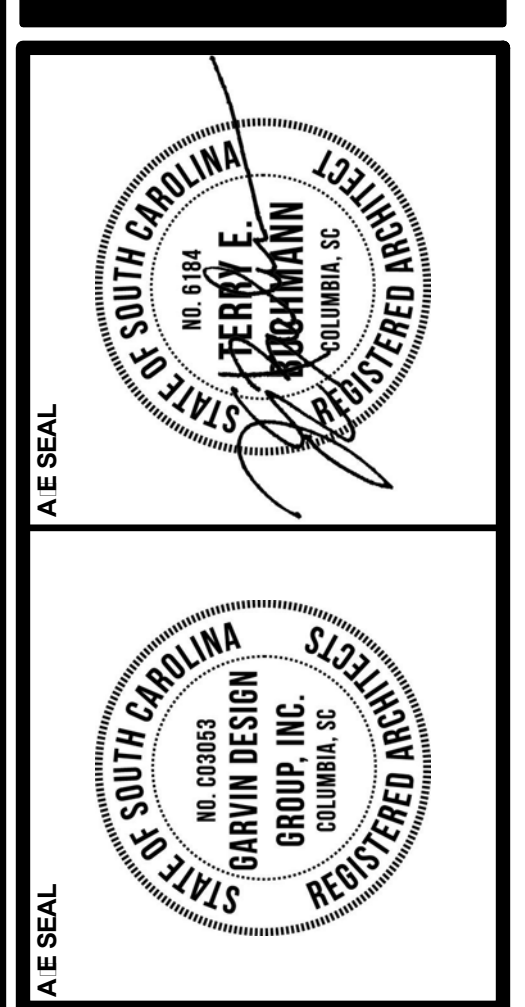
GARVINDESIGNGROUP
 architecture interiors planning
 1209 Lincoln Street P.O. Box 18 Columbia, SC 29202
 803.212.1032 p / 803.212.1074 f

GENERAL NOTES:

- 1 CONTRACTOR/INSTALLER SHALL VERIFY ALL FIELD CONDITIONS AND FIELD VERIFY ALL DIMENSIONS PRIOR TO BEGINNING WORK.
- 2 VERIFY FINAL POST & FENCE LAYOUT WITH ARCHITECT PRIOR TO INSTALLATION.
- 3 72 HOURS BEFORE COMMENCING CONSTRUCTION CONTACT P.U.P.S. AT (803) 721-7877 FOR UNDERGROUND UTILITIES LOCATION.
- 4 CONTRACTOR/INSTALLER TO REPAIR ANY DAMAGE DONE TO EXISTING CONCRETE, TURF, FENCING, ETC. DUE TO CONSTRUCTION AT HIS EXPENSE.
- 5 ALL GATES TO BE PROVIDED COMPLETE WITH LOCKABLE HARDWARE.



1 FENCE LAYOUT PLAN
AS1.2 1/8" = 1'-0"

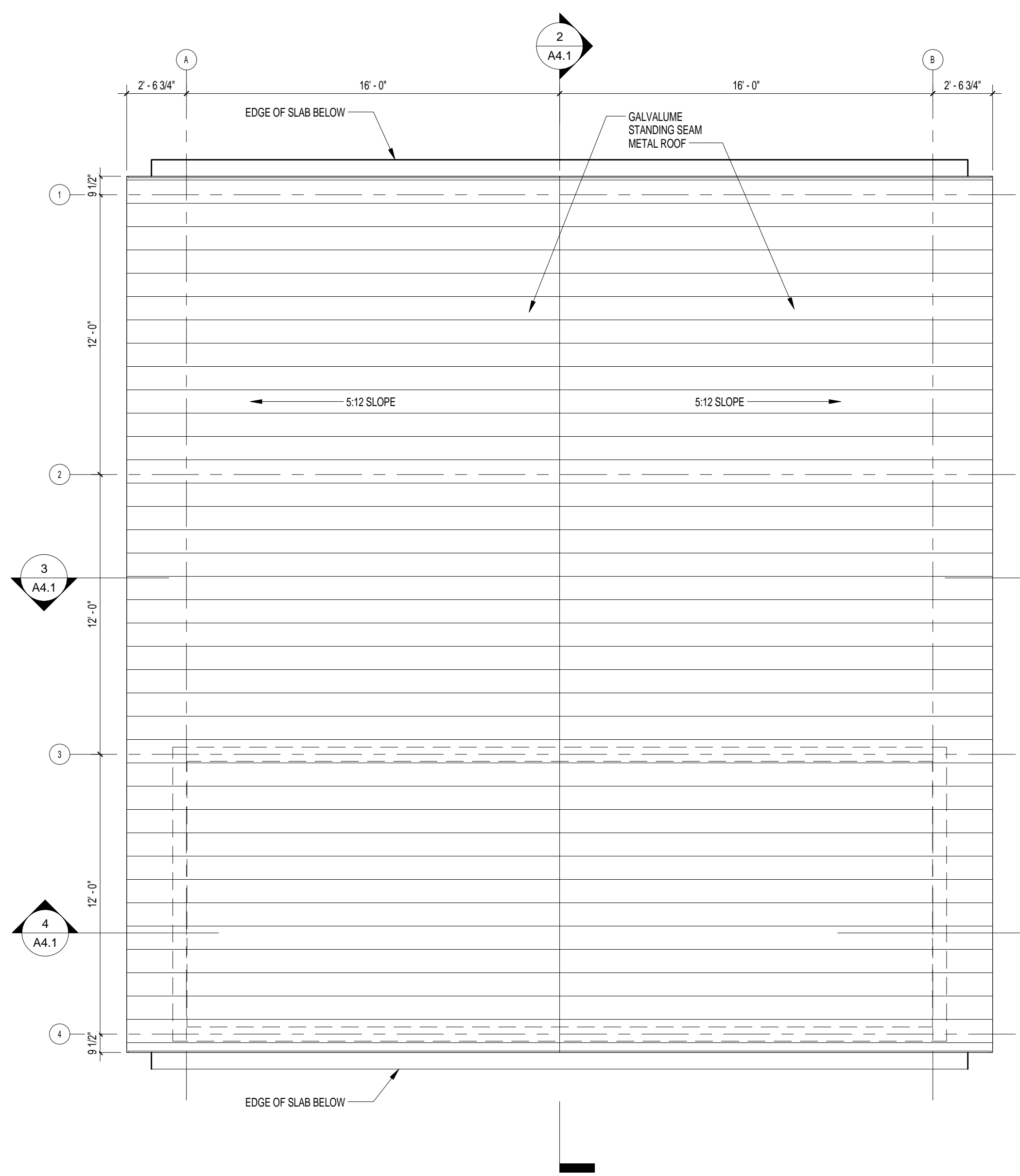


PROJECT TITLE
CHALLENGE COURSE BUILDING AND FENCE
 Behind 324 Sumter Street
 Columbia, SC 29208

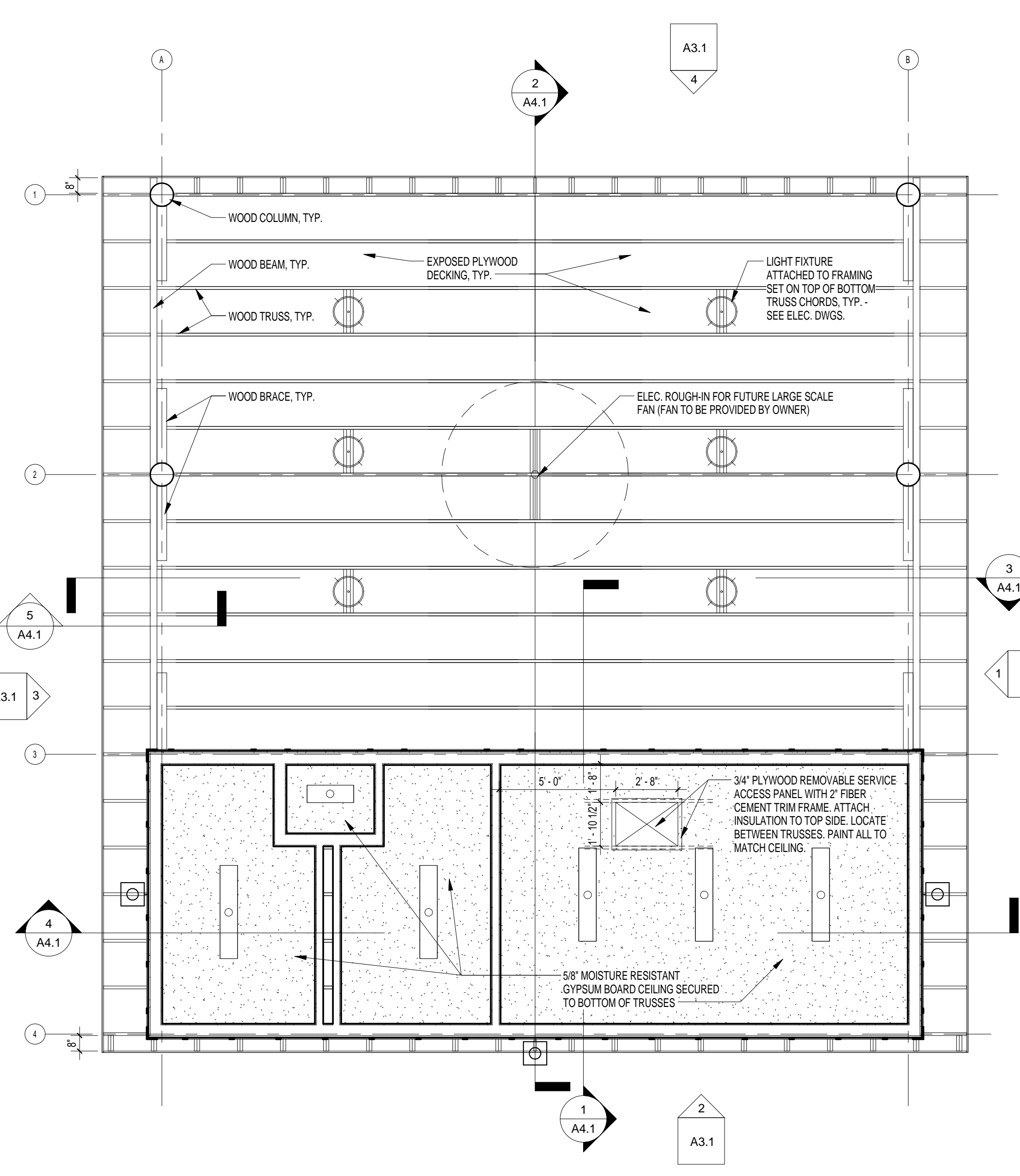
REVISION NO.	NAME	DATE

DRAWN	CHECKED	AUTHOR	DATE

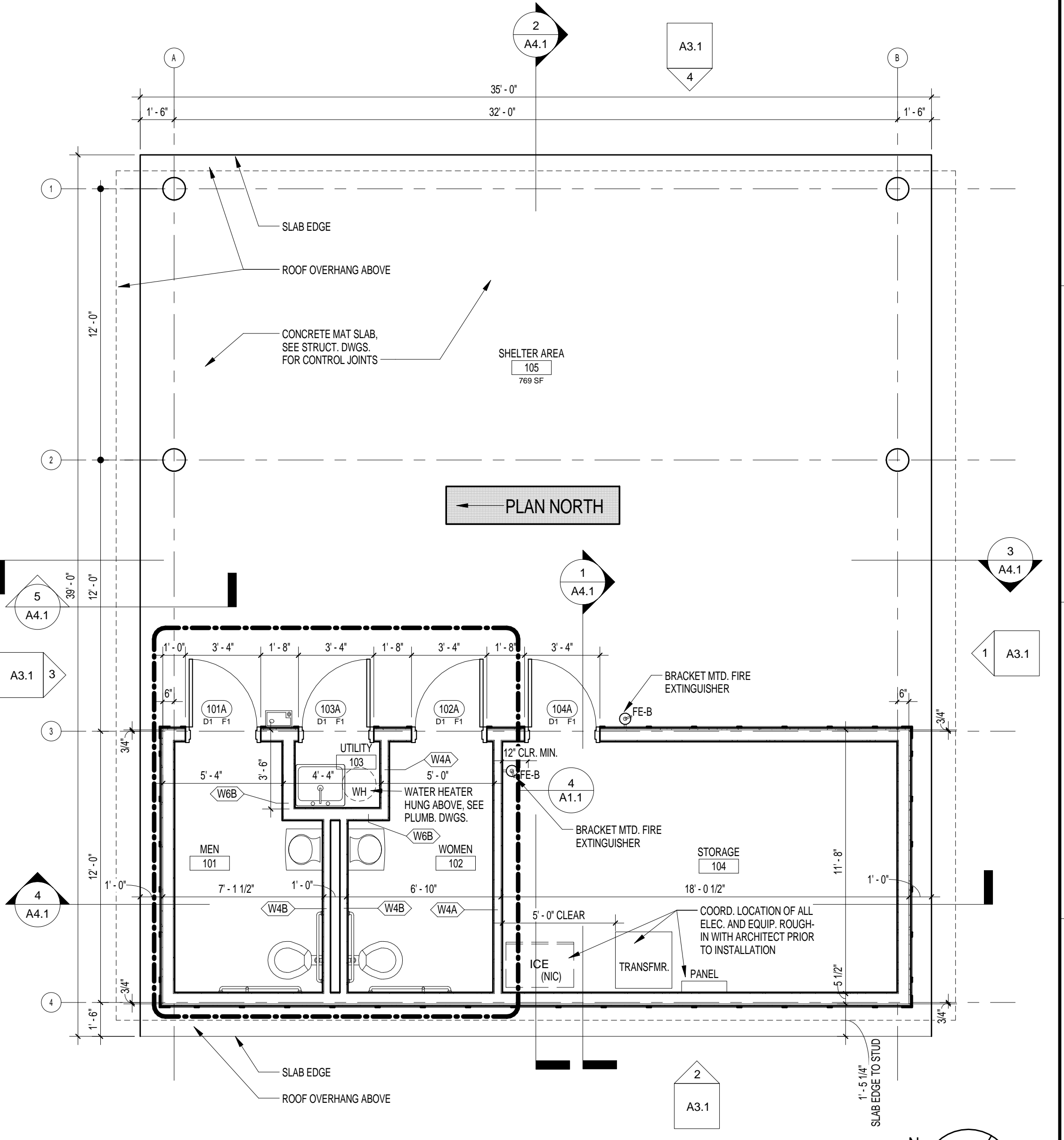
DRAWING TITLE
FENCE LAYOUT PLAN



3 ROOF PLAN
A1.1 1/4" = 1'-0"
REFERENCED ON:



2 REFLECTED CEILING PLAN
A1.1 1/4" = 1'-0"
REFERENCED ON:



1 FLOOR PLAN
A1.1 1/4" = 1'-0"
REFERENCED ON:

CEILING PLAN GENERAL NOTES

- GENERAL CONTRACTOR MUST COORDINATE ALL UTILITY SYSTEM PIPING, DUCTWORK, CONDUIT, EQUIPMENT, DEVICES, ETC. WITH ARCHITECTURAL DRAWINGS INCLUDING REFLECTED CEILING PLANS AND BUILDING SECTIONS. INDICATED LOCATIONS OF ALL COMPONENTS IS APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS AND PRIOR TO INSTALLATION. ANY MODIFICATIONS TO LOCATIONS INDICATED MUST BE APPROVED BY ARCHITECT.
- GENERAL CONTRACTOR MUST COORDINATE ALL CEILING MOUNTED EQUIPMENT, DEVICES AND FIXTURES WITH REFLECTED CEILING PLANS. INDICATED LOCATIONS OF ALL COMPONENTS ARE APPROXIMATE AND MUST BE COORDINATED WITH ALL SUBCONTRACTORS DURING SUBMITTALS AND PRIOR TO INSTALLATION. ANY MODIFICATIONS TO LOCATIONS MUST BE APPROVED BY ARCHITECT.
- ONLY CEILING MOUNTED ELECTRICAL DEVICES ARE SHOWN ON THESE PLANS. SEE ELECTRICAL DRAWINGS FOR FULL SCOPE OF ELECTRICAL DEVICES.
- COORDINATE WITH STRUCTURE ALL LIGHTS AND OTHER DEVICES PENETRATING CEILING.
- ALL CEILINGS (INTERIOR) SHALL BE MOISTURE RESISTANT GYPSUM BOARD, CLASS 5 FINISH.

CEILING PLAN LEGEND

- FLUORESCENT FIXTURES
- PENDANT LIGHT FIXTURE
- WALL MTD. LIGHT FIXTURE
- GYPSUM BOARD CEILING
- EXPOSED STRUCTURE

FLOOR PLAN GENERAL NOTES

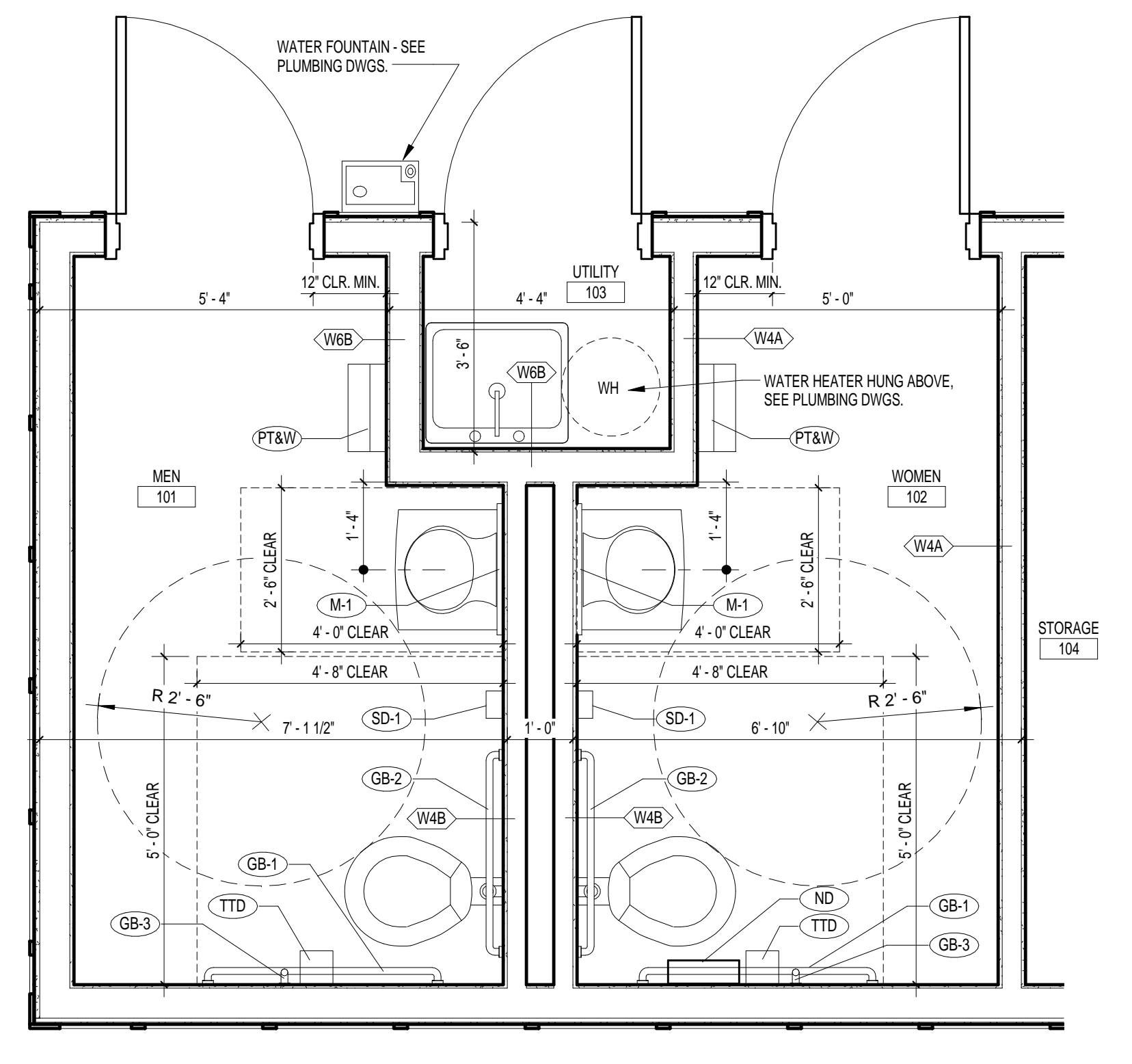
- SEE T1.1 FOR MINIMUM REQUIRED ADA MANEUVERING CLEARANCES.
- DIMENSIONS INDICATED ON THESE DRAWINGS ARE TO FACE OF STUD WALL OR CENTERLINE OF COLUMN UNLESS OTHERWISE INDICATED. COORDINATE ALL DIMENSIONS WITH ENLARGED PLANS, SECTION AND DETAIL DRAWINGS, AND STRUCTURAL DRAWINGS AND VERIFY EXACT LOCATIONS.
- COORDINATE SYSTEMS WITH SPECIFIC ENGINEERING DRAWINGS (S/S, M/S, P/S AND U/S) AND ACTUAL PRODUCTS TO BE INSTALLED AND VERIFY LOCATIONS WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

ROOM NO.	ROOM NAME	BASE	CEILING	FLOOR	WALL FINISH		
					NORTH	SOUTH	WEST
101	MEN	C-BASE	GWB, P-1	SC	P-2	P-2	P-2
102	WOMEN	C-BASE	GWB, P-1	SC	P-2	P-2	P-2
103	UTILITY	C-BASE	GWB, P-1	SC	P-2	P-2	P-2
104	STORAGE	C-BASE	GWB, P-1	SC	P-2	P-2	P-2
105	SHELTER AREA	SEE ELEV.	EXP. STR.	SC	--	--	SEE ELEV.

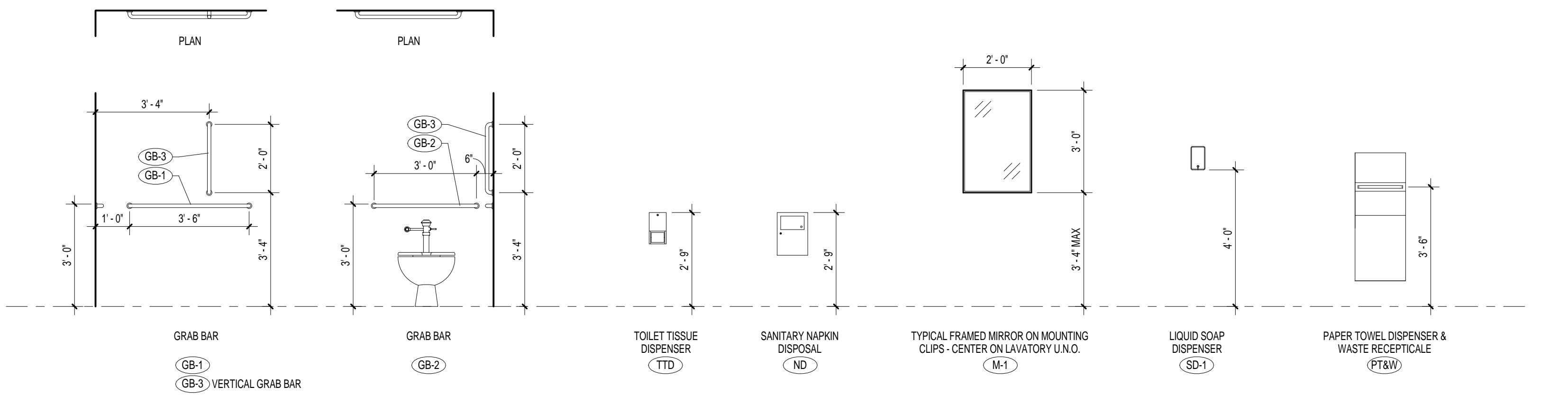
FINISH LEGEND

ABREVIATION	DESCRIPTION	MANUFACTURER, COLOR, ST. LE
BASE		
C-BASE	5 1/2" FIBER-CEMENT BASE	BASIS-OF-DESIGN: HARDIE-TRIM, 1X6 TRIM, INTEGRAL COLOR: SANDSTONE BEIGE OR PAINTED TO MATCH
FLOORS		
SC	SEALED CONCRETE	SEE SPECIFICATIONS
CEILINGS		
GWB, P-1	MOISTURE RESISTANT GWB, PAINT - FLAT WHITE	TO MATCH SHERWIN-WILLIAMS #1005 PURE WHITE
ALLS		
P-2	PAINT - EGGSHELL (LIGHT TAN)	TO MATCH SHERWIN-WILLIAMS #1551 ANALYTICAL GRAY
MISC.		
P-3	PAINT - SEMI-GLOSS (H.M. DOORS AND FRAMES)	TO MATCH SHERWIN-WILLIAMS #1046 ANONYMOUS
C-PANEL	FIBER-CEMENT PANEL	BASIS-OF-DESIGN: HARDIE-PANEL, INTEGRAL COLOR: SANDSTONE BEIGE
C-TRIM	FIBER-CEMENT 2 1/2" BATTEN OR 5 1/2" TRIM	BASIS-OF-DESIGN: HARDIE-TRIM, BATTEN OR 1X6 TRIM, INTEGRAL COLOR: SANDSTONE BEIGE OR PAINTED TO MATCH

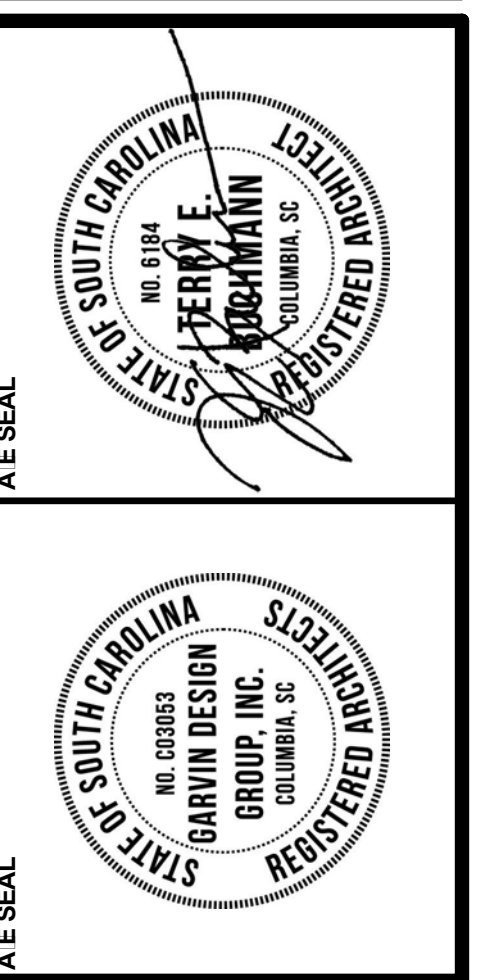
GENERAL NOTES
1. COORDINATE ALL FINISHES WITH ARCHITECTURAL PLANS AND ELEVATIONS.



4 ENLARGED TOILET PLAN
A1.1 1/2" = 1'-0"
REFERENCED ON: A1.1



TOILET ACCESSORIES

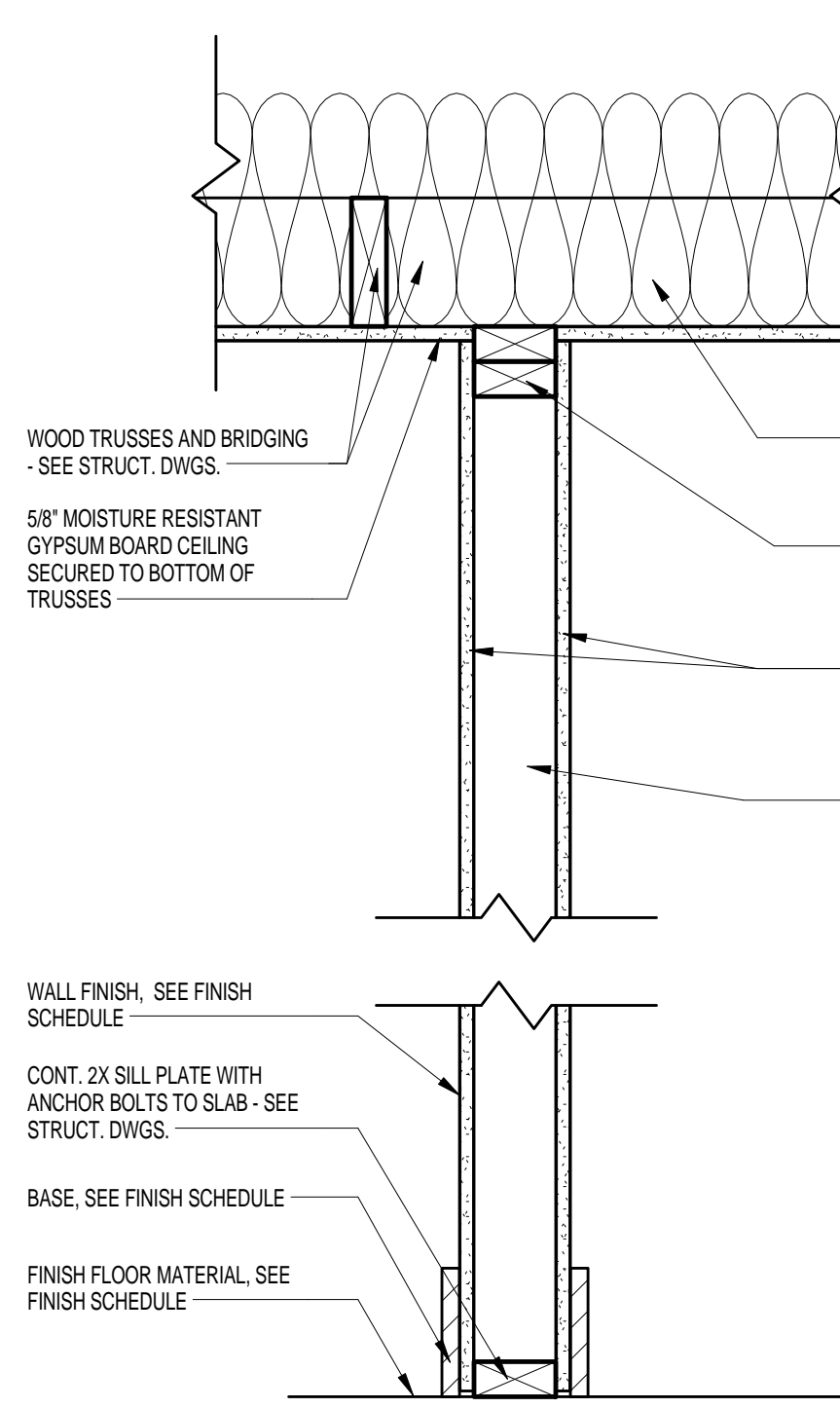


REVISION NO.	DATE	NAME

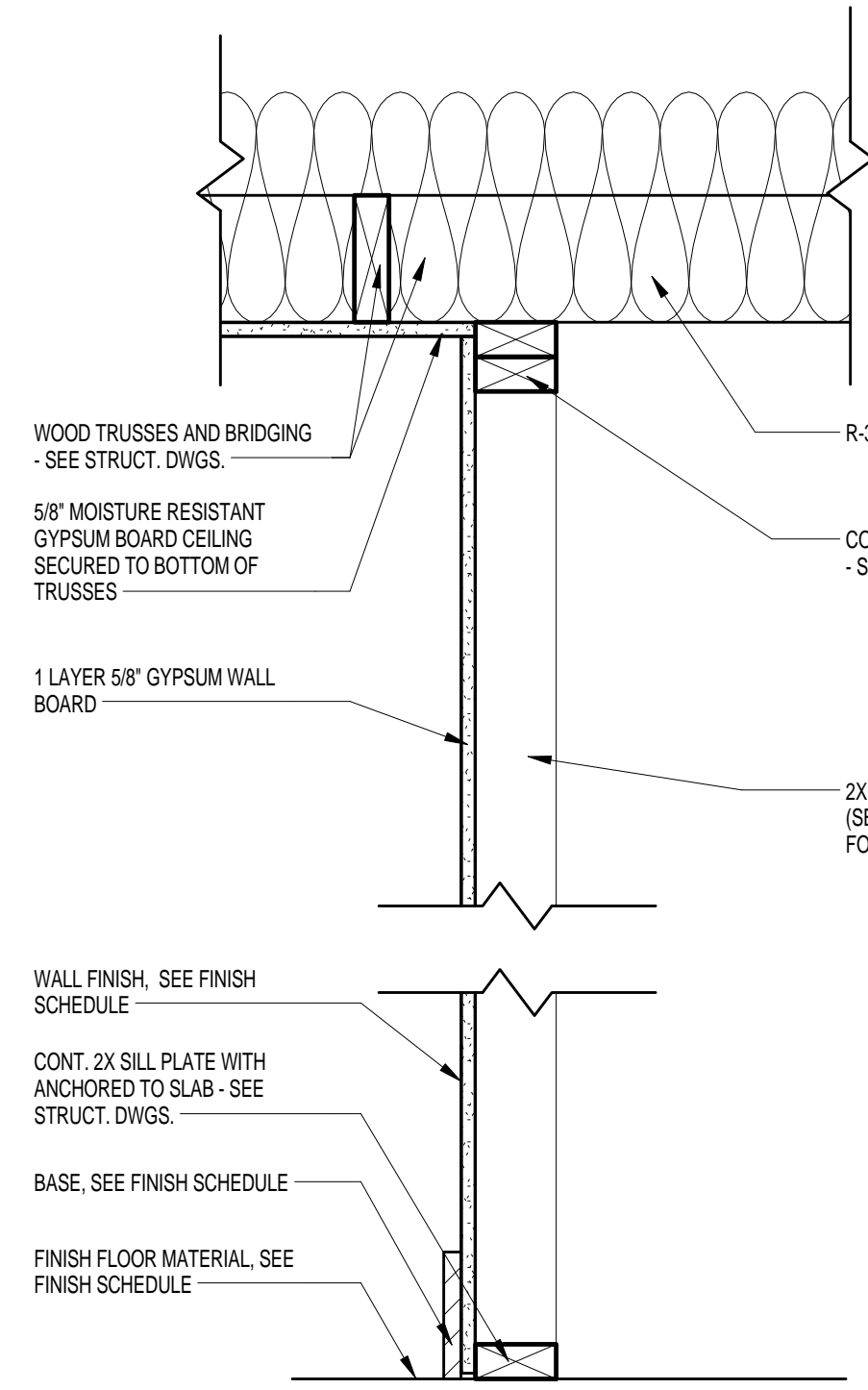
DRAWING NO.	DATE	NAME

PARTITION LEGEND

MATERIAL	FINISH CONSTRUCTION
W/A 2x4 WOOD STUD	SEE CHART BELOW
W/B 2x6 WOOD STUD	SEE CHART BELOW
SIZE	INSULATION DESIGNATION
SEE CHART BELOW	SEE PARTITION SECTION

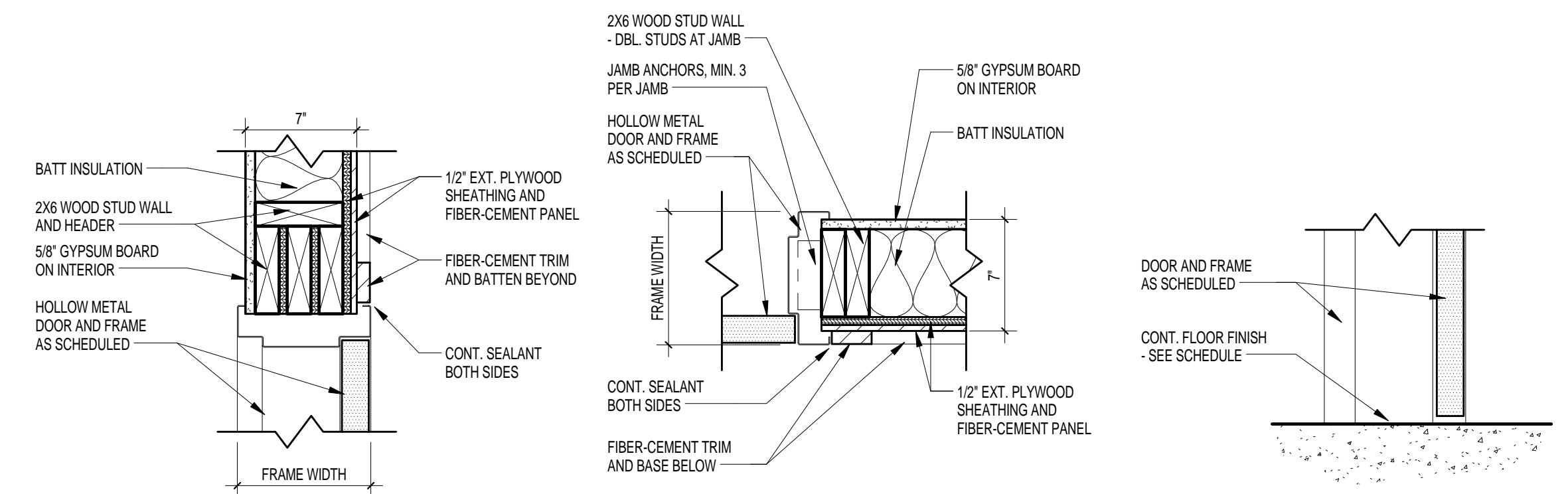


W/A INTERIOR PARTITION
1 1/2" x 1'-0"



W/B INTERIOR PARTITION
1 1/2" x 1'-0"

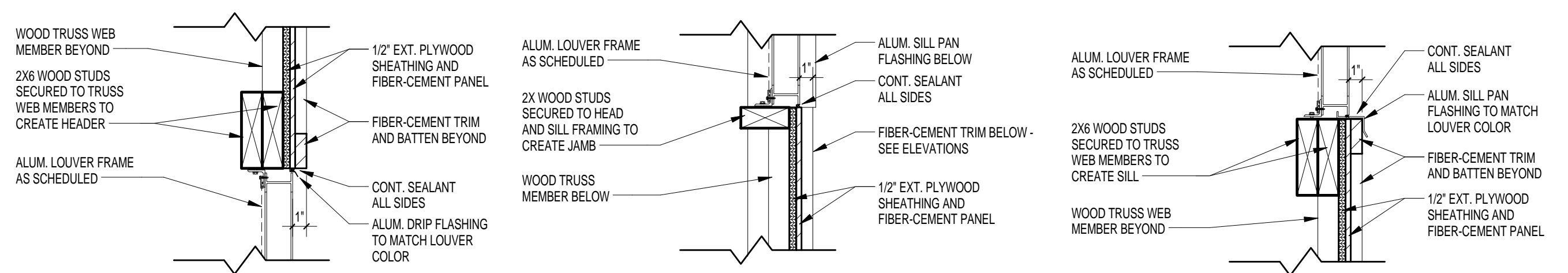
FLOOR PLAN	DOOR		DOOR TYPE	FRAME TYPE	HEAD	JAMB	SILL	RATING	REMARKS
	IDTH	HEIGHT							
101A	3'-0"	7'-0"	D1	F1	H1	J1	S1	--	
102A	3'-0"	7'-0"	D1	F1	H1	J1	S1	--	
103A	3'-0"	7'-0"	D1	F1	H1	J1	S1	--	
104A	3'-0"	7'-0"	D1	F1	H1	J1	S1	--	



H1 HEAD DETAIL
A2.1 1 1/2" x 1'-0" REFERENCED ON:

J1 JAMB DETAIL
A2.1 1 1/2" x 1'-0" REFERENCED ON:

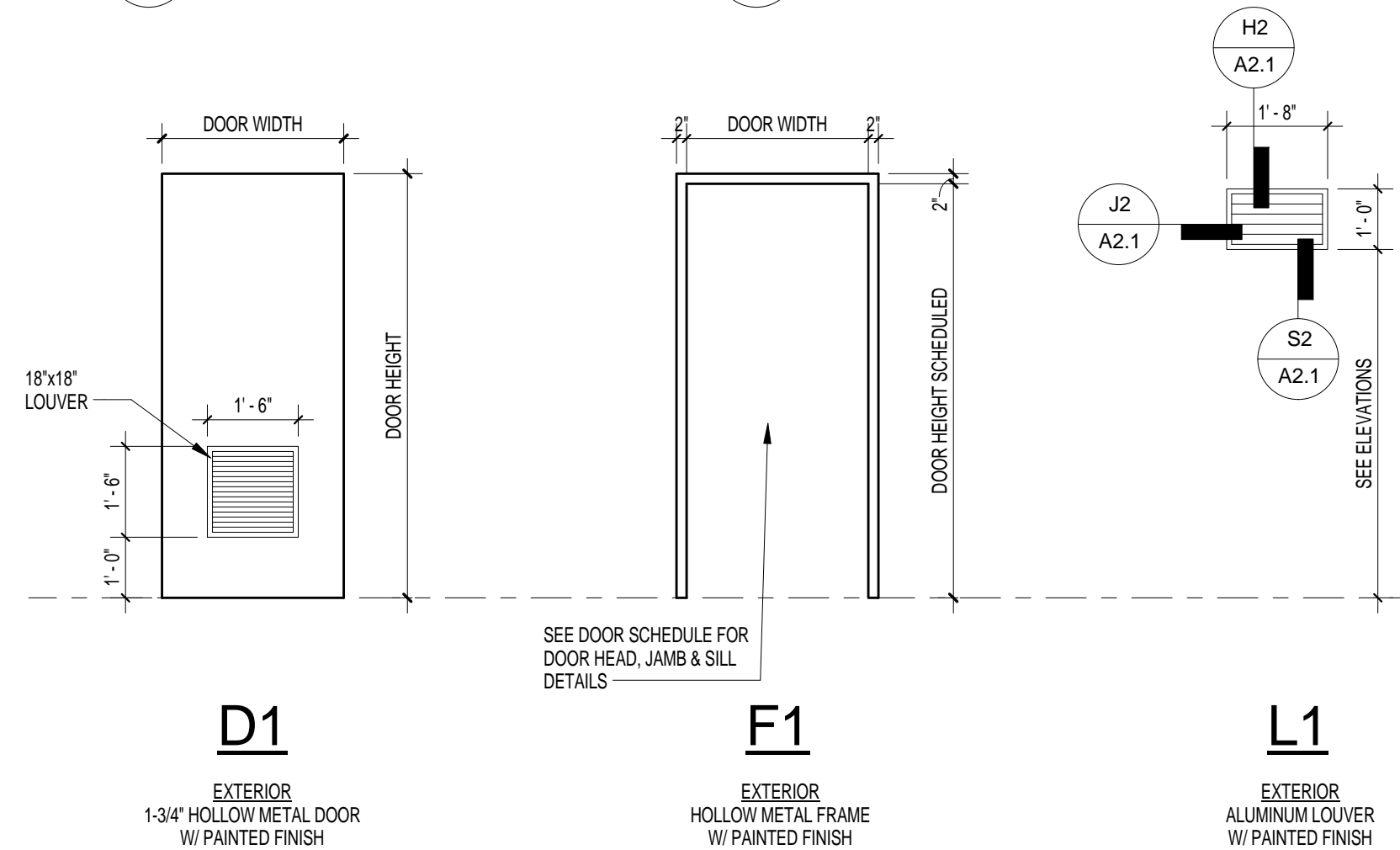
S1 SILL DETAIL
A2.1 1 1/2" x 1'-0" REFERENCED ON:



H2 HEAD DETAIL
A2.1 1 1/2" x 1'-0" REFERENCED ON: A2.1

J2 JAMB DETAIL
A2.1 1 1/2" x 1'-0" REFERENCED ON: A2.1

S2 SILL DETAIL
A2.1 1 1/2" x 1'-0" REFERENCED ON: A2.1



D1 EXTERIOR 1-3/4\"/>

F1 EXTERIOR HOLLOW METAL FRAME W/ PAINTED FINISH

L1 EXTERIOR ALUMINUM LOUVER W/ PAINTED FINISH

DOOR, FRAME & LOUVER TYPES

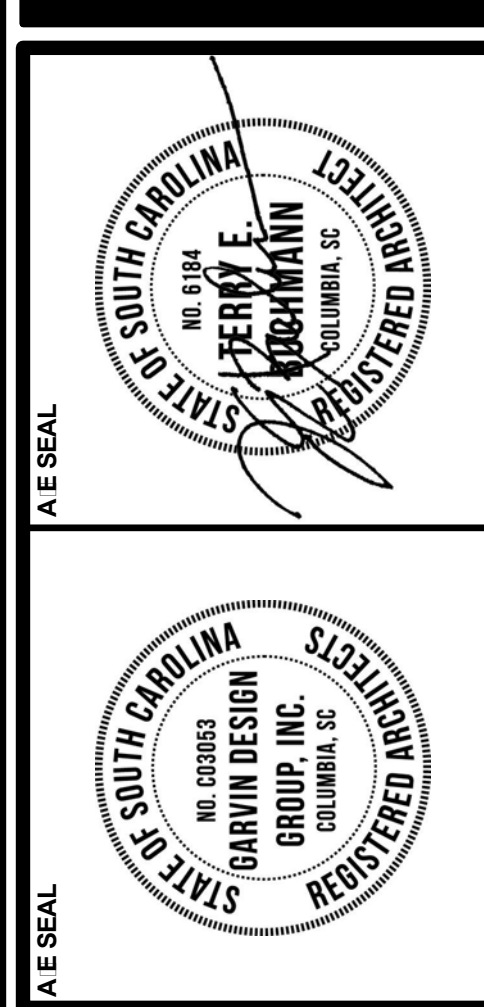


CHALLENGE COURSE BUILDING AND FENCE

Behind 324 Sumner Street
Columbia, SC 29208

DATE	DESCRIPTION

PROJ. NO. 1075.11 DATE 01/15/13
 DRAWING NO. **A-1**
 PARTITION TYPES, DOOR, FRAME, LOUVER TYPES, DETAILS, AND DOOR SCHEDULE
 GARVIN DESIGN GROUP interiors planning
 803.212.1032 p. / 803.212.1074 f
 1209 Lincoln Street P.O. Box 18 Columbia, SC 29202



CHALLENGE COURSE BUILDING AND FENCE

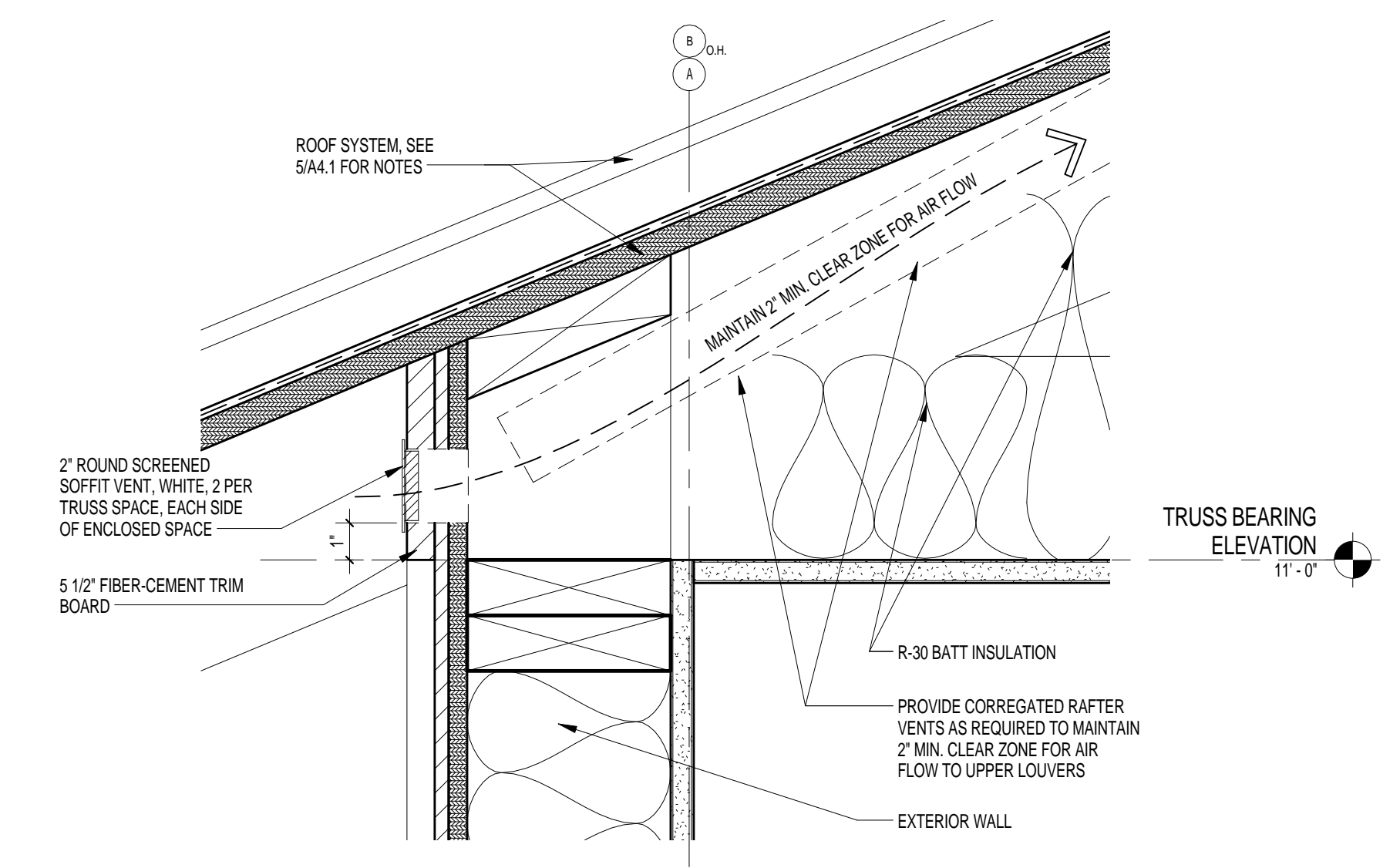
Behind 324 Sumter Street
Columbia, SC 29208

REVISION NO.	NAME	DATE

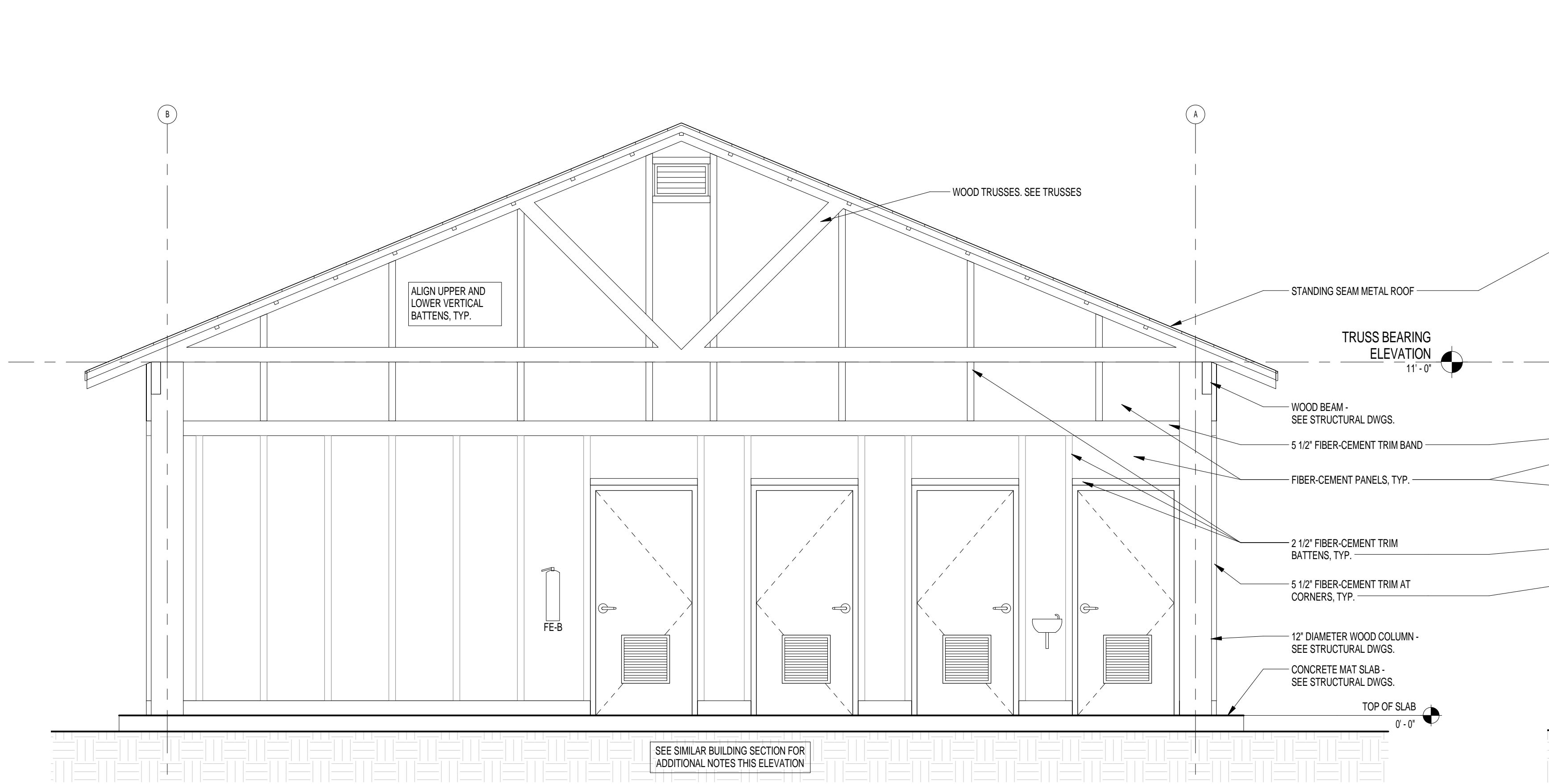
DRAWING NO.	DATE	DESIGNED BY	CHECKED BY

EXTERIOR ELEVATIONS DETAILS

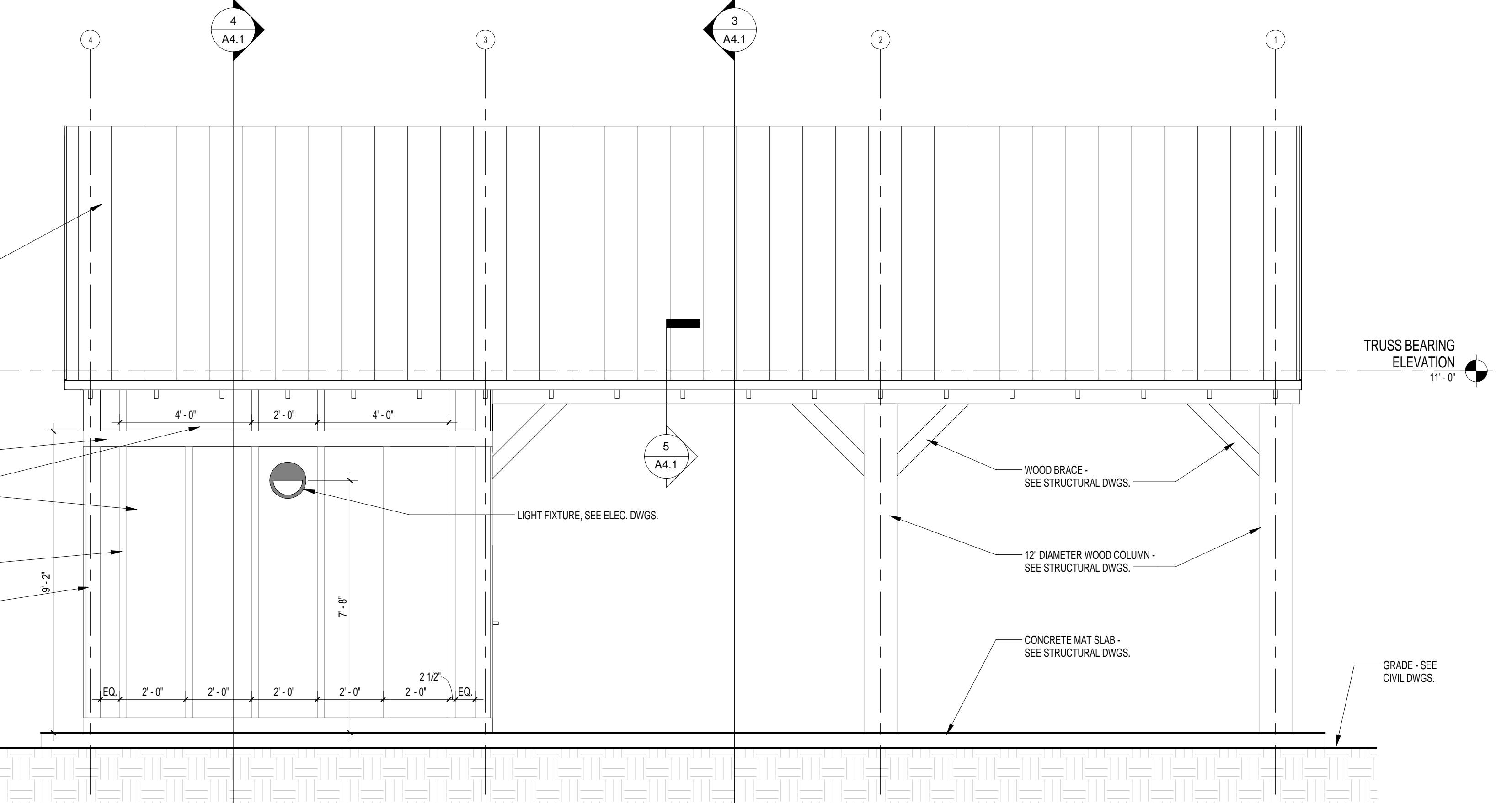
PROJ. NO. 10725.11
DATE 01/15/13
DRAWING NO. **A01**



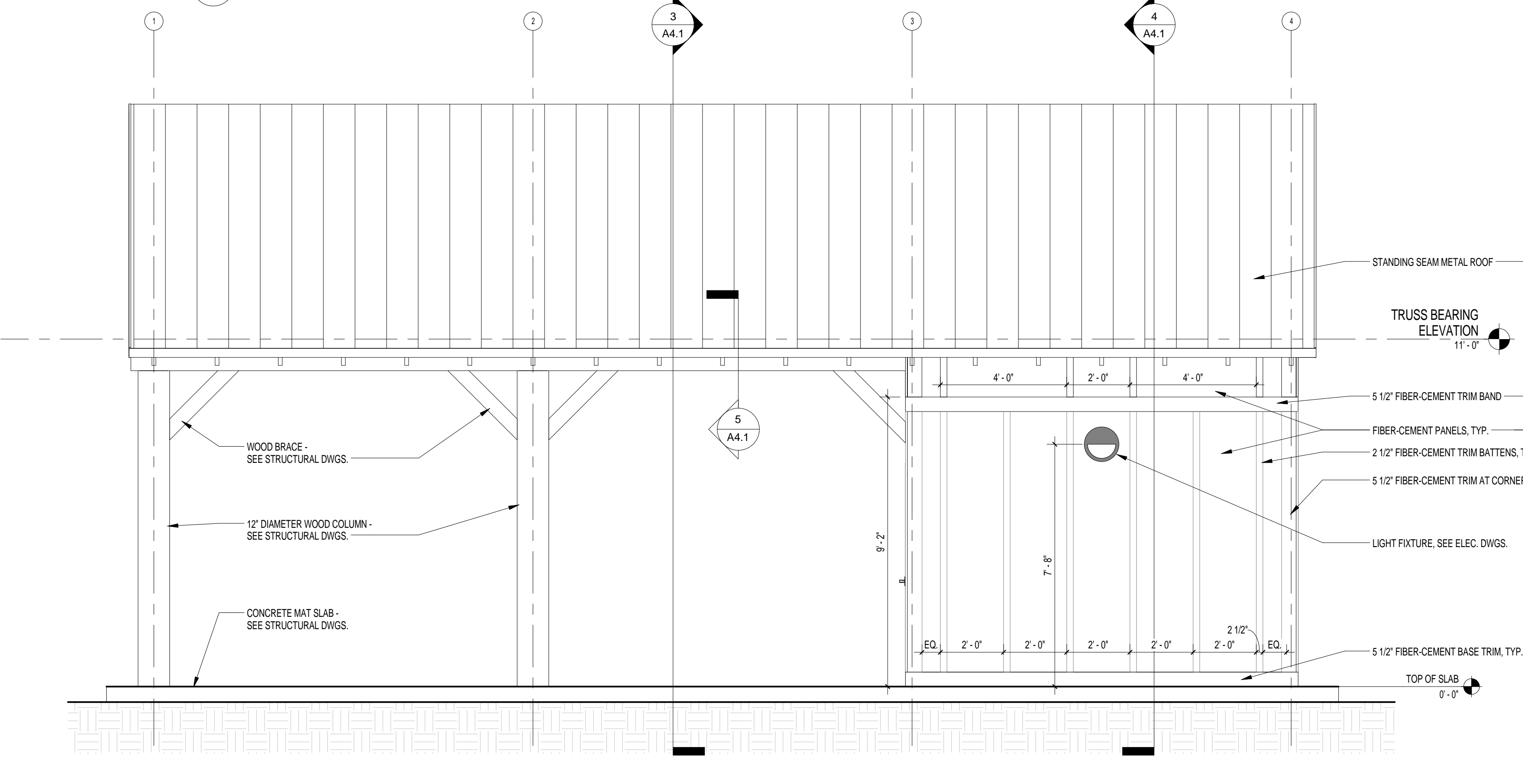
5 ROOF EAVER VENT DETAIL
A3.1 3/8\"/>



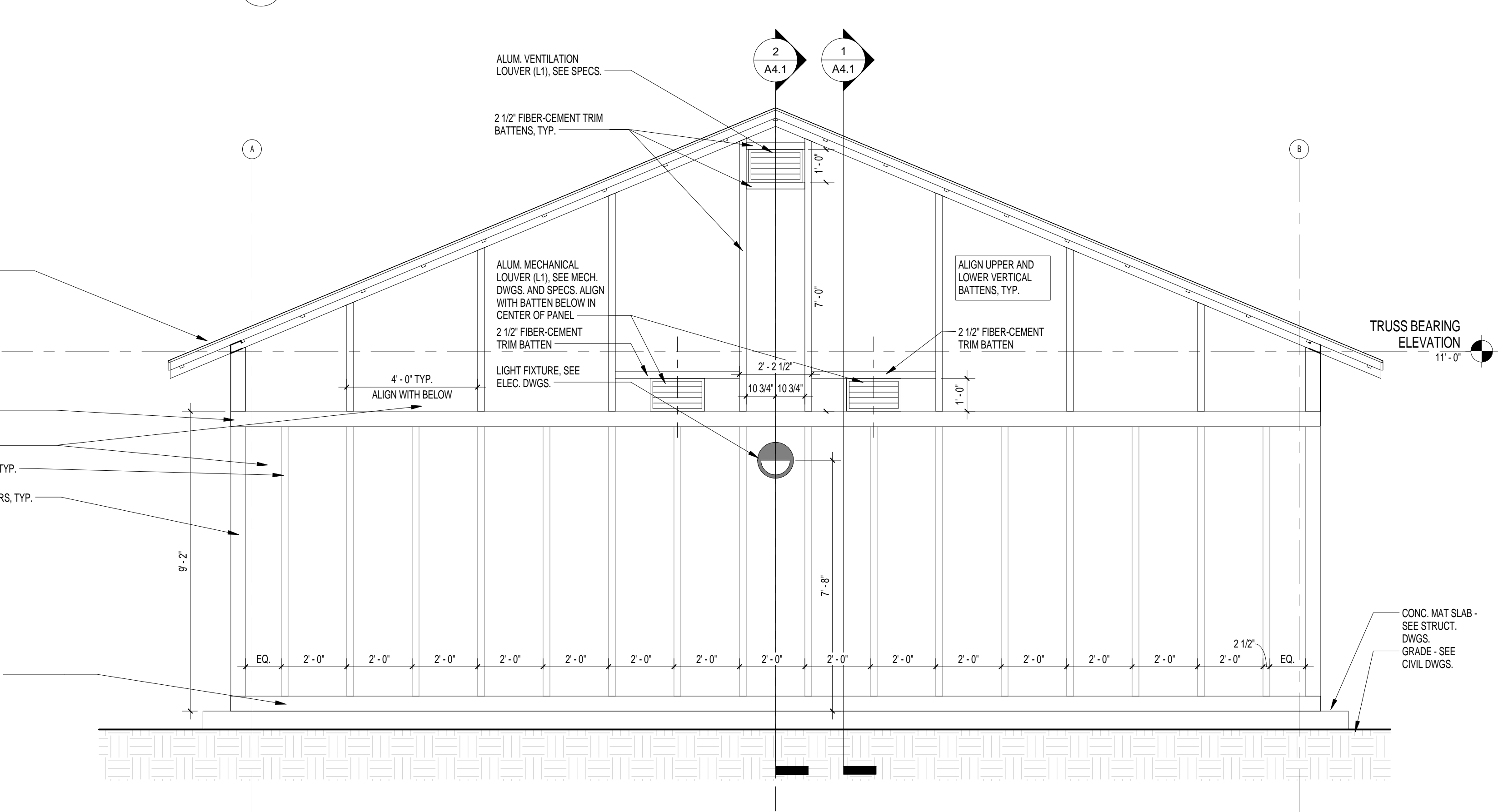
4 EAST ELEVATION
A3.1 3/8\"/>



1 SOUTH ELEVATION
A3.1 3/8\"/>

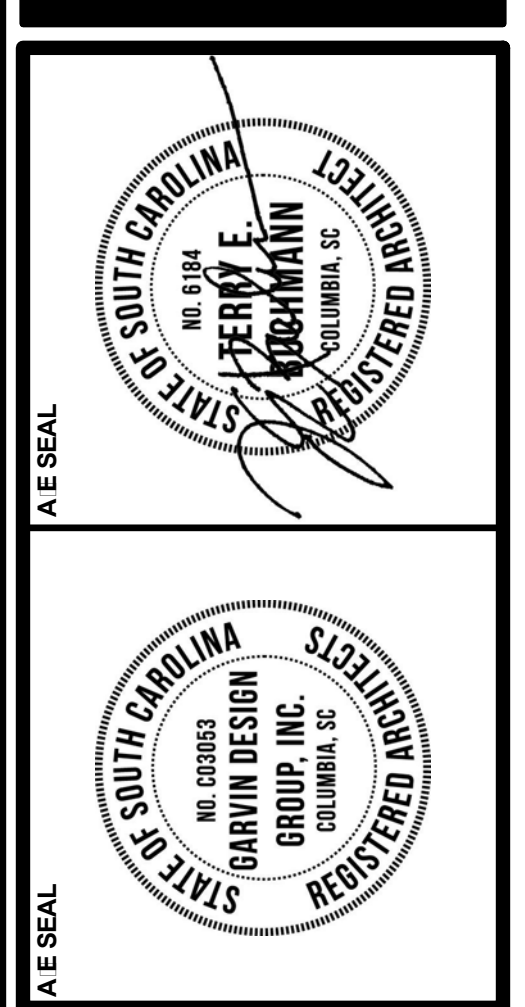


3 ELEVATION NORTH
A3.1 3/8\"/>



2 WEST ELEVATION
A3.1 3/8\"/>

11:11 AM



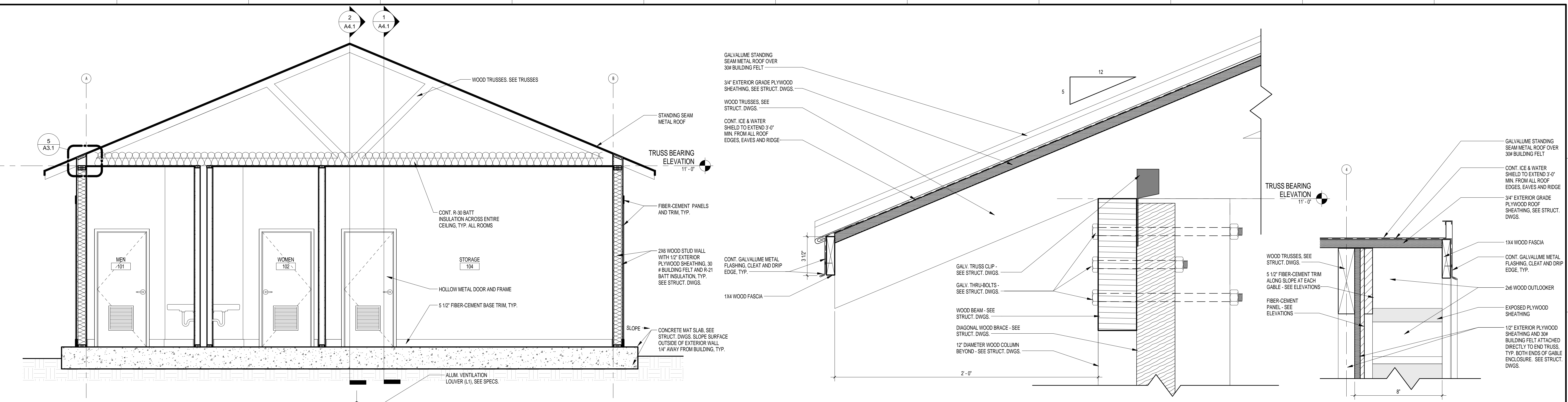
CHALLENGE COURSE BUILDING AND FENCE

PROJ. TITLE
DATE
REVISIONS
NO. NAME
DRA. N. TEB
CHK. ED. TEB
DATE

Behind 324 Sumter Street
Columbia, SC 29208

BUILDING SECTIONS, ALL SECTIONS, DETAILS

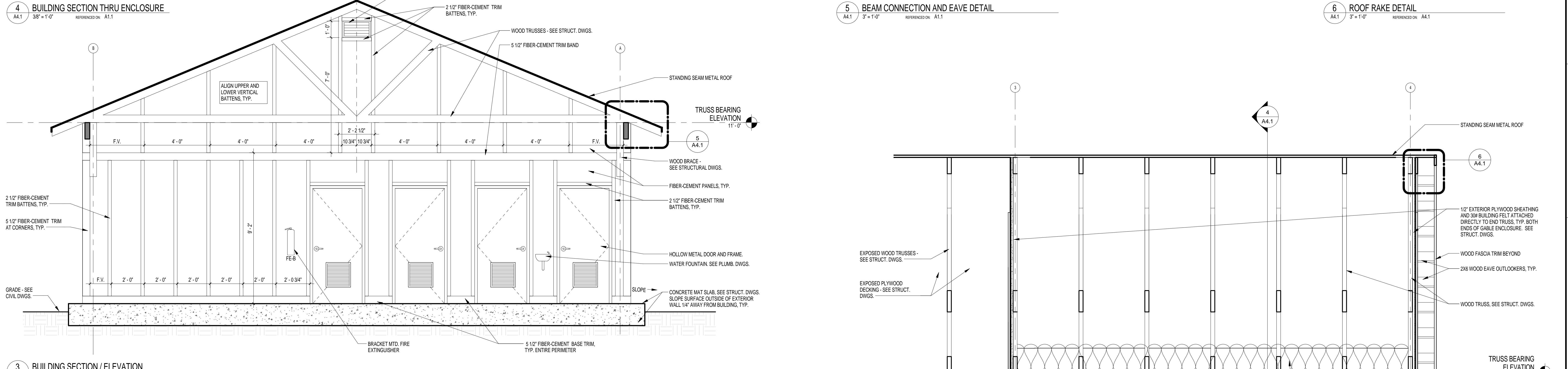
PROJ. NO. 10725.11
DATE 01/15/13
DRA. ING. NO. A-1



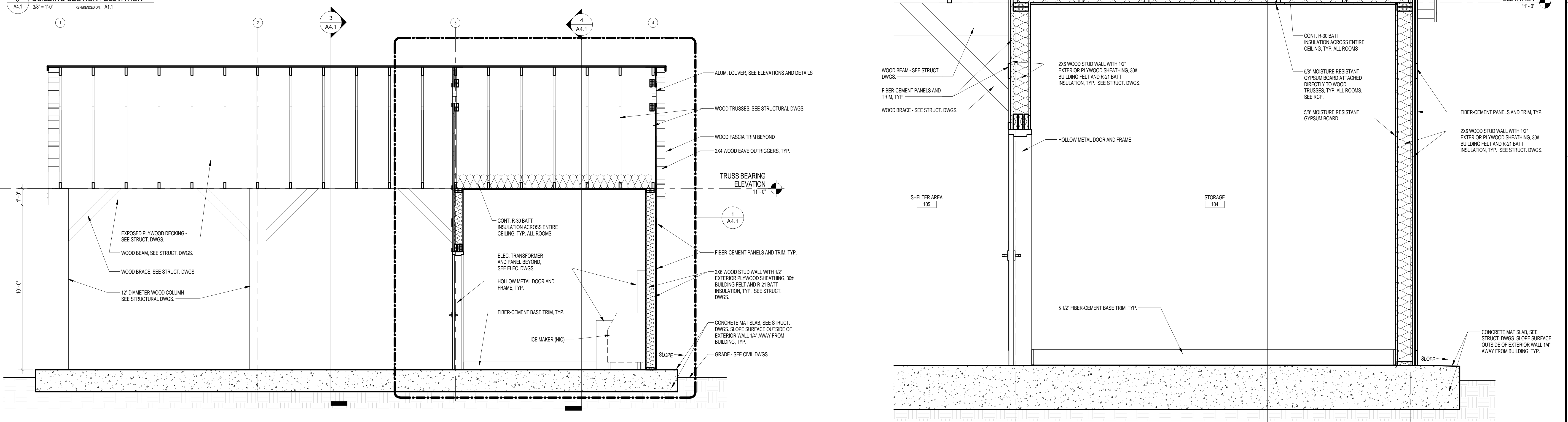
4 BUILDING SECTION THRU ENCLOSURE
A4.1 3/8" = 1'-0"
REFERENCES: A1.1

5 BEAM CONNECTION AND EAVE DETAIL
A4.1 3/8" = 1'-0"
REFERENCES: A1.1

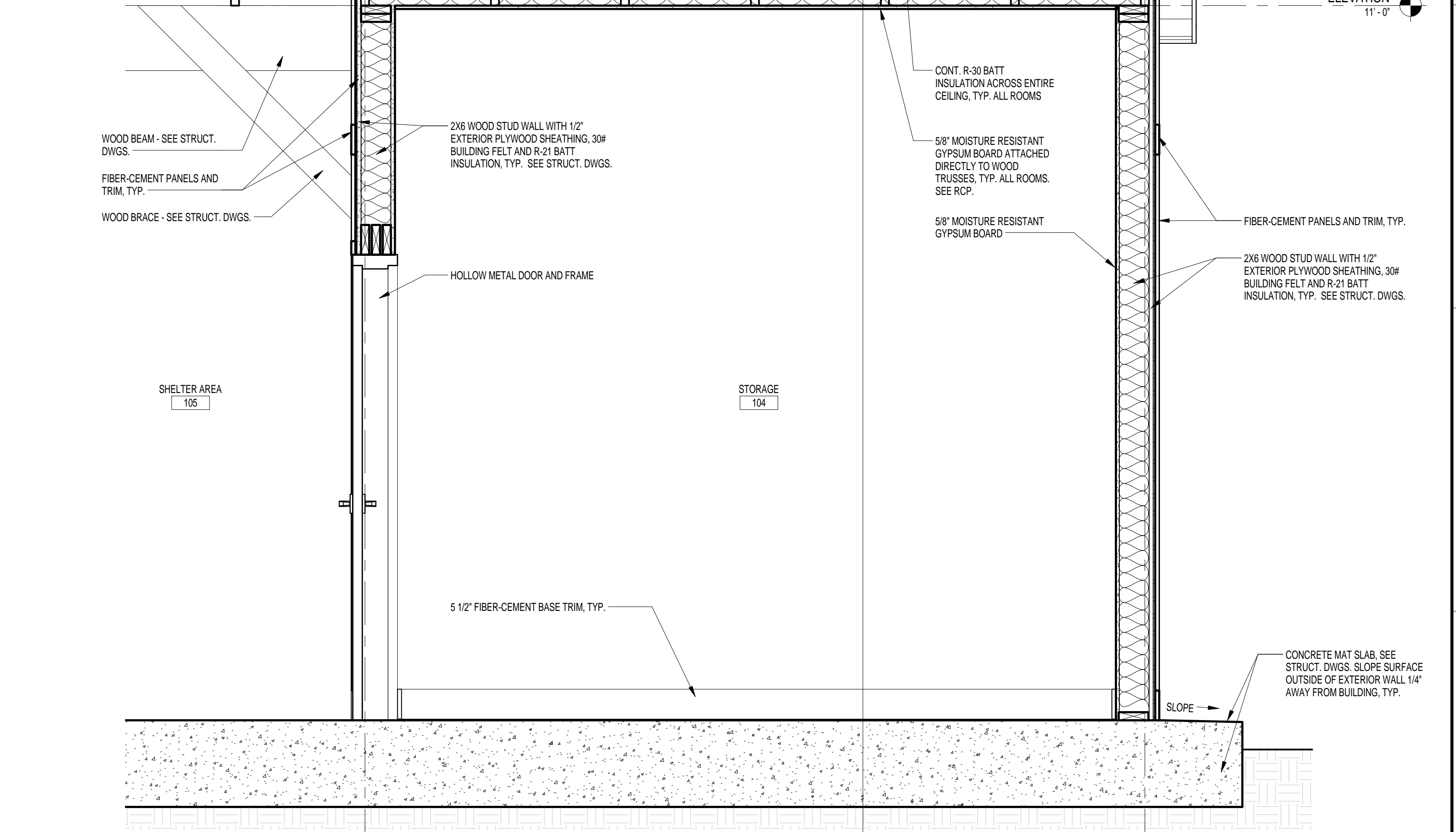
6 ROOF RAKE DETAIL
A4.1 3/8" = 1'-0"
REFERENCES: A4.1



3 BUILDING SECTION / ELEVATION
A4.1 3/8" = 1'-0"
REFERENCES: A1.1

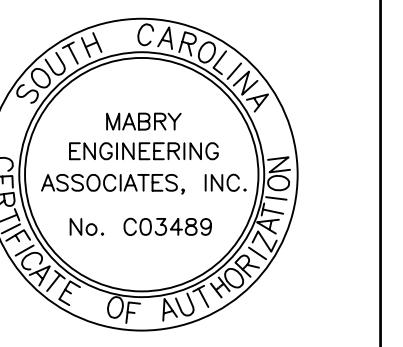


2 LONGITUDINAL SECTION
A4.1 3/8" = 1'-0"
REFERENCES: A1.1



1 WALL SECTION
A4.1 3/4" = 1'-0"
REFERENCES: A1.1

11:11 AM



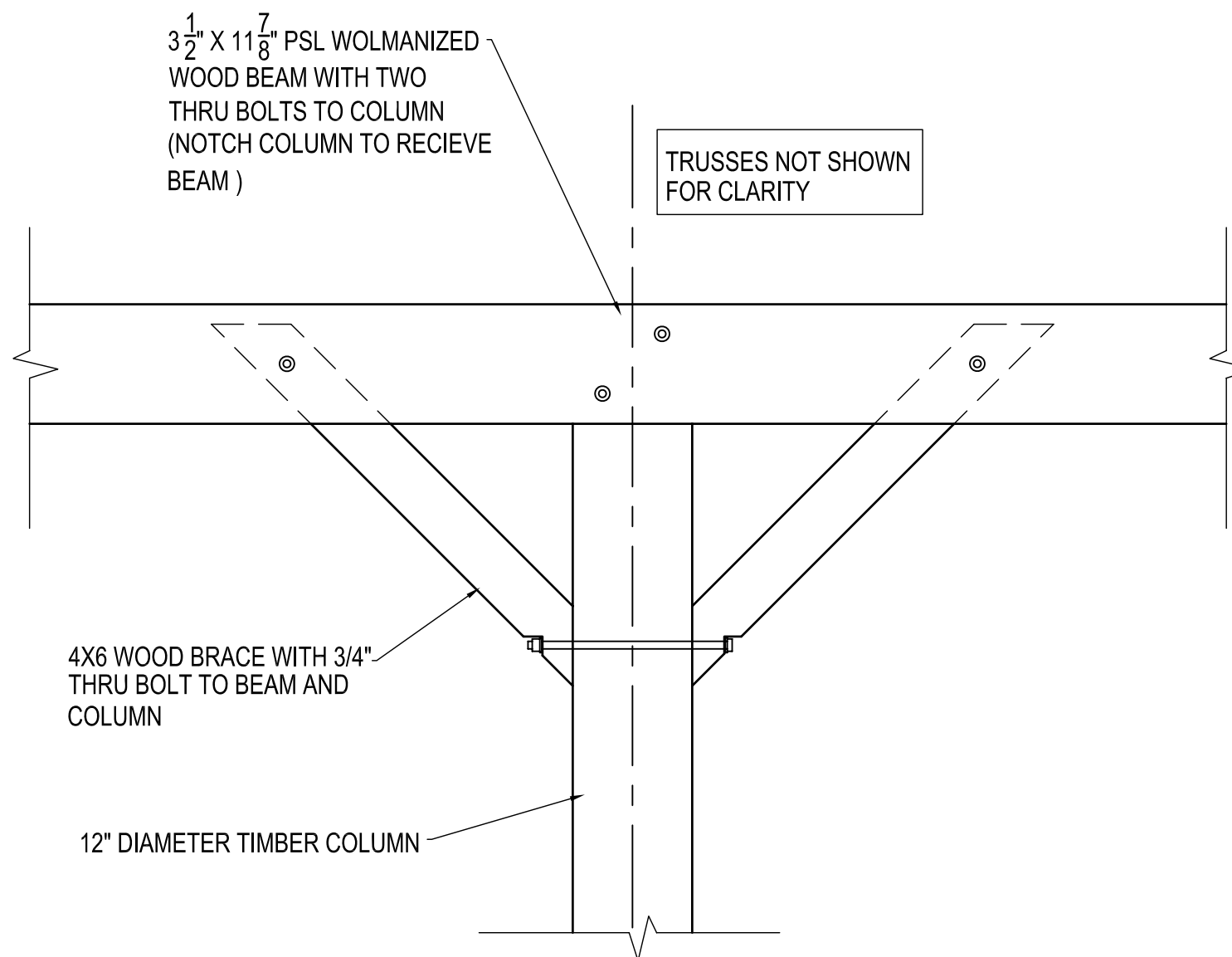
CHALLENGE COURSE BUILDING AND FENCE
Behind 324 Sumner Street
Columbia, SC 29208

REVISIONS	NO.	NAME	DATE

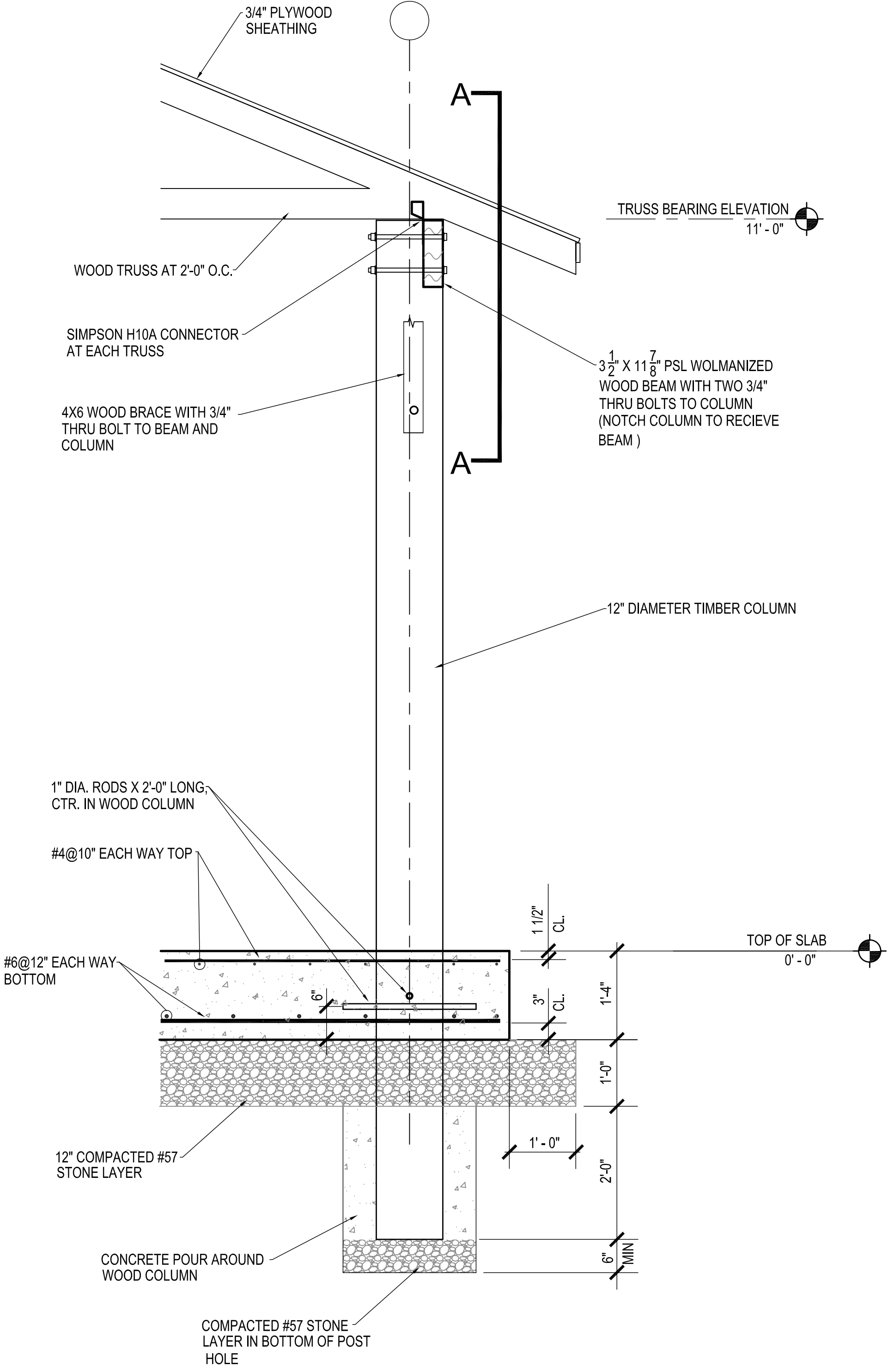
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STRUCTURAL SECTIONS

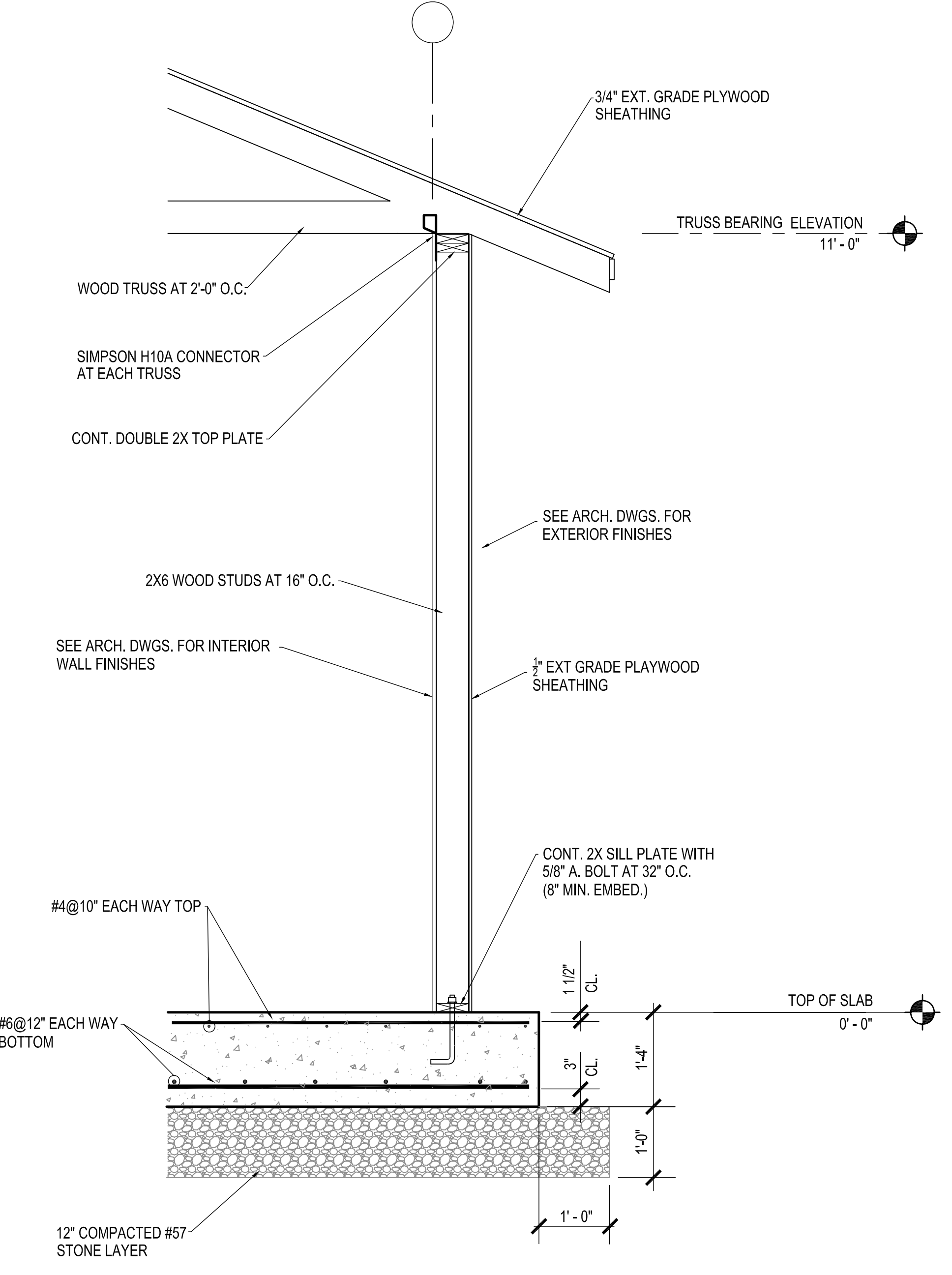
PROJECT NO. 0705.11
DATE 01/13/13
DRAWING NO. **S2**



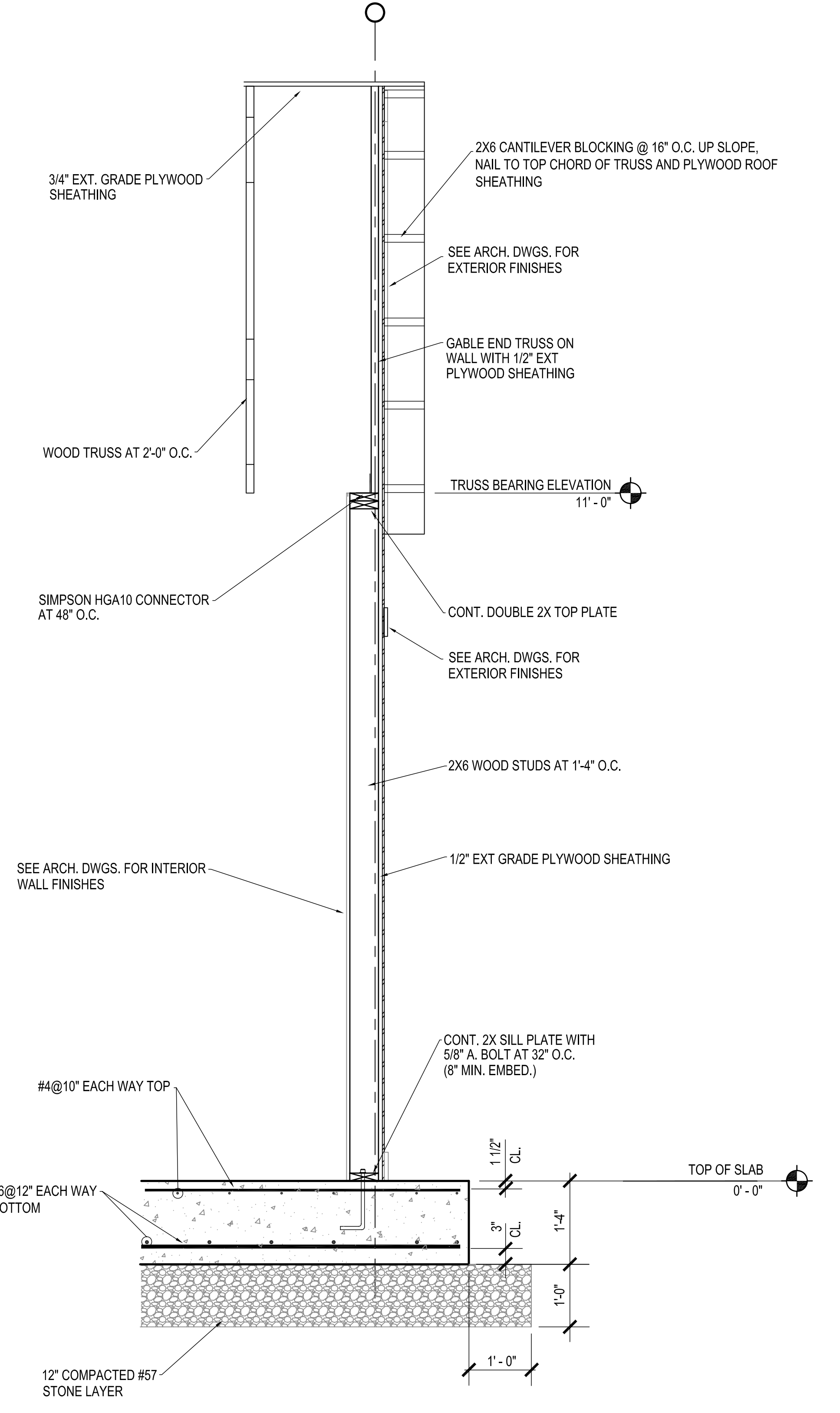
A-A SECTION
SCALE: 3/4" = 1'-0"



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



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



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

N:\PROJECTS\1475 DRAWINGS\HVAC\1475-M1-1.dwg

ELECTRIC WALL HEATER SCHEDULE				
TAG	MARKEL MODEL	KW	STYLE	REMARKS
EWH-1	3320	1.5	RECESSED	1, 2
EWH-2	3320	1.5	RECESSED	1, 2

1. PROVIDE BUILT IN THERMOSTAT, SET AT 65°F, AND RECESSED WALL COLLAR.
2. INSTALL HEATER APPROXIMATELY 12" A.F.F.

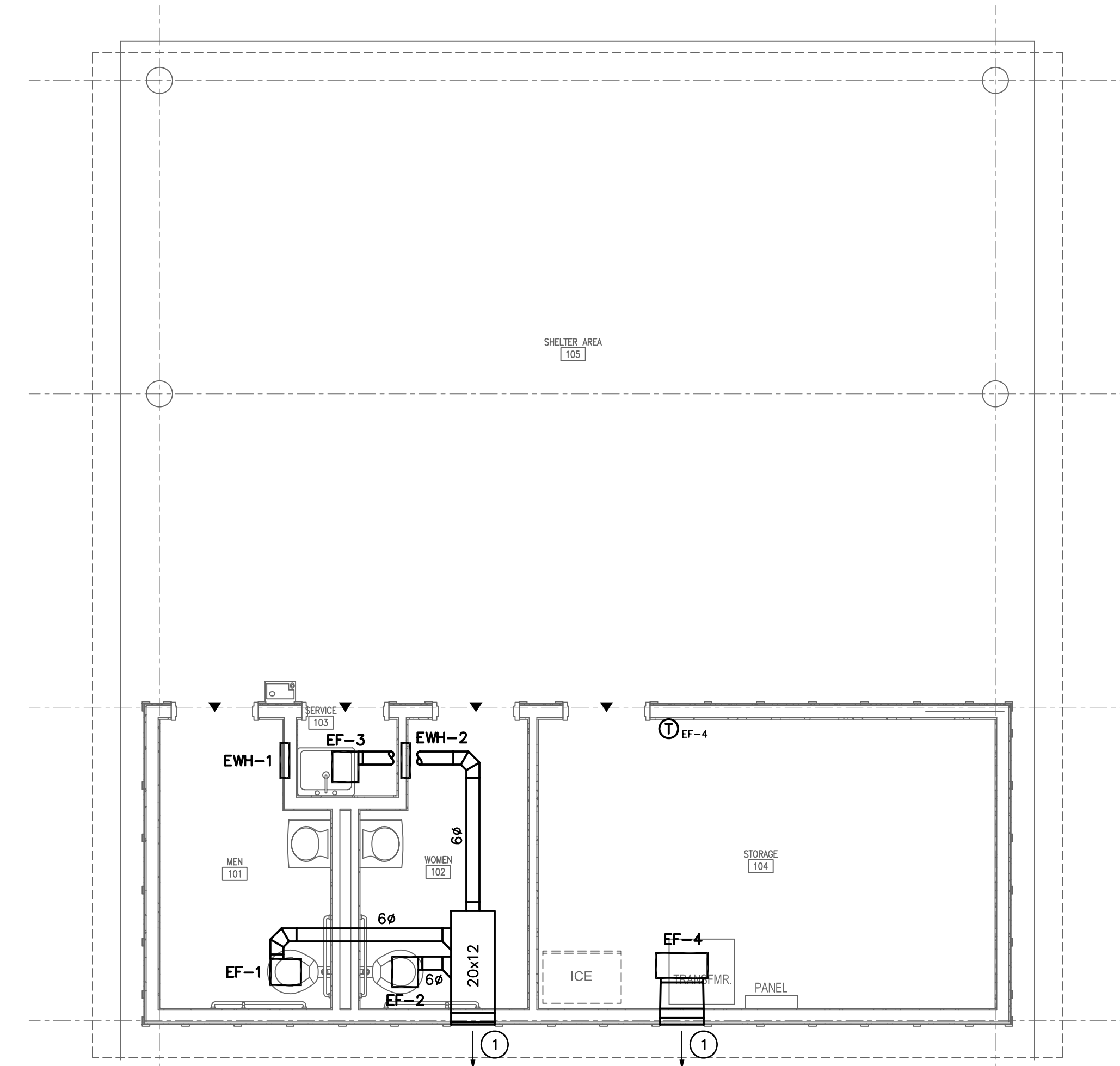
EXHAUST FAN SCHEDULE							
TAG	GREENHECK MODEL NO.	TYPE	CFM	ESP	MOTOR H.P./W.	SONES (MAX.)	REMARKS
EF-1	SP-B110	CEILING	75	0.375	80 W	1.0	1, 2
EF-2	SP-B110	CEILING	75	0.375	80 W	1.0	1, 2
EF-3	SP-B110	CEILING	75	0.375	80 W	1.0	1, 2
EF-4	SP-A700	CEILING	400	0.375	350 W	2.7	1, 3

1. PROVIDE WITH CEILING GRILLE, BACKDRAFT DAMPER, DISCONNECT SWITCH, AND SPEED CONTROL.
2. INTERLOCK WITH WALL SWITCH, PROVIDED AND WIRED BY ELECTRICAL CONTRACTOR.
3. PROVIDE COOLING THERMOSTAT, WIRED BY ELECTRICAL CONTRACTOR.

- GENERAL NOTES**
- DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS AND REFLECTED CEILING PLANS FOR EXACT LOCATIONS OF DOORS, WINDOWS, FANS, ETC.
 - ALL MECHANICAL ITEMS EXTENDING THROUGH WALLS SHALL BE FLASHED AND COUNTERFLASHED.
 - ALL OPEN END DUCTS SHALL HAVE 1/4-INCH MESH GALVANIZED SCREEN IN REMOVABLE FRAME.
 - PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
 - THIS CONTRACTOR SHALL PROVIDE ALL ITEMS OF MISCELLANEOUS STEEL AS REQUIRED FOR INSTALLATION OF ALL MECHANICAL ITEMS.

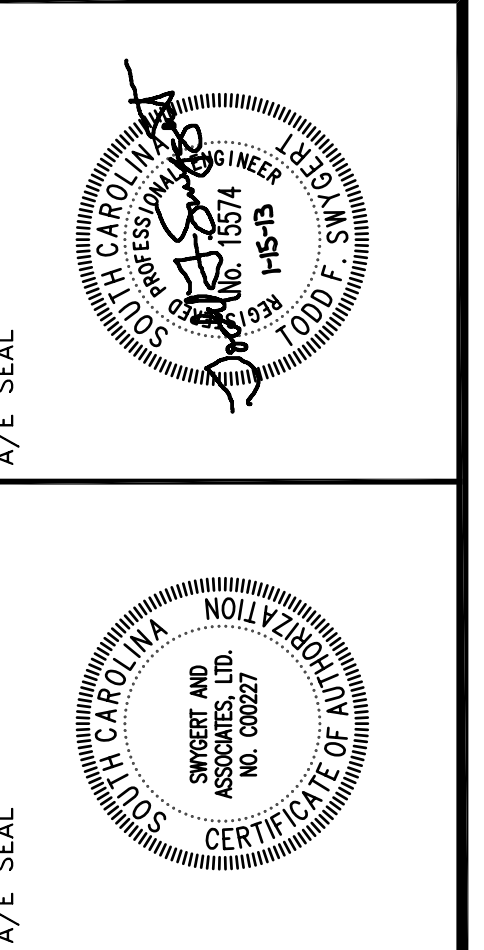
- NOTES TO SHEET**
- RUSKIN MODEL ELF211 20"x12" ALUMINUM EXHAUST LOUVER WITH BIRDSCREEN. COLOR BY ARCHITECT.

LEGEND	
SYMBOL	DESCRIPTION
⊖	THERMOSTAT
▭	RETURN, EXHAUST, FRESH AIR DUCTWORK
48x24	48"x24" RECTANGULAR DUCT
▶	DOOR GRILLE BY GENERAL CONTRACTOR



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

GARVINDESIGNGROUP
architecture interiors planning
1209 Lincoln Street
P. O. Box 18
Columbia, SC 29202
803.212.1032 p / 803.212.1074 f



PROJECT TITLE
CHALLENGE COURSE BUILDING AND FENCE
Behind 324 Sumter Street
Columbia, SC 29208

REVISIONS	NO.	NAME	DATE
DEM	WCL		

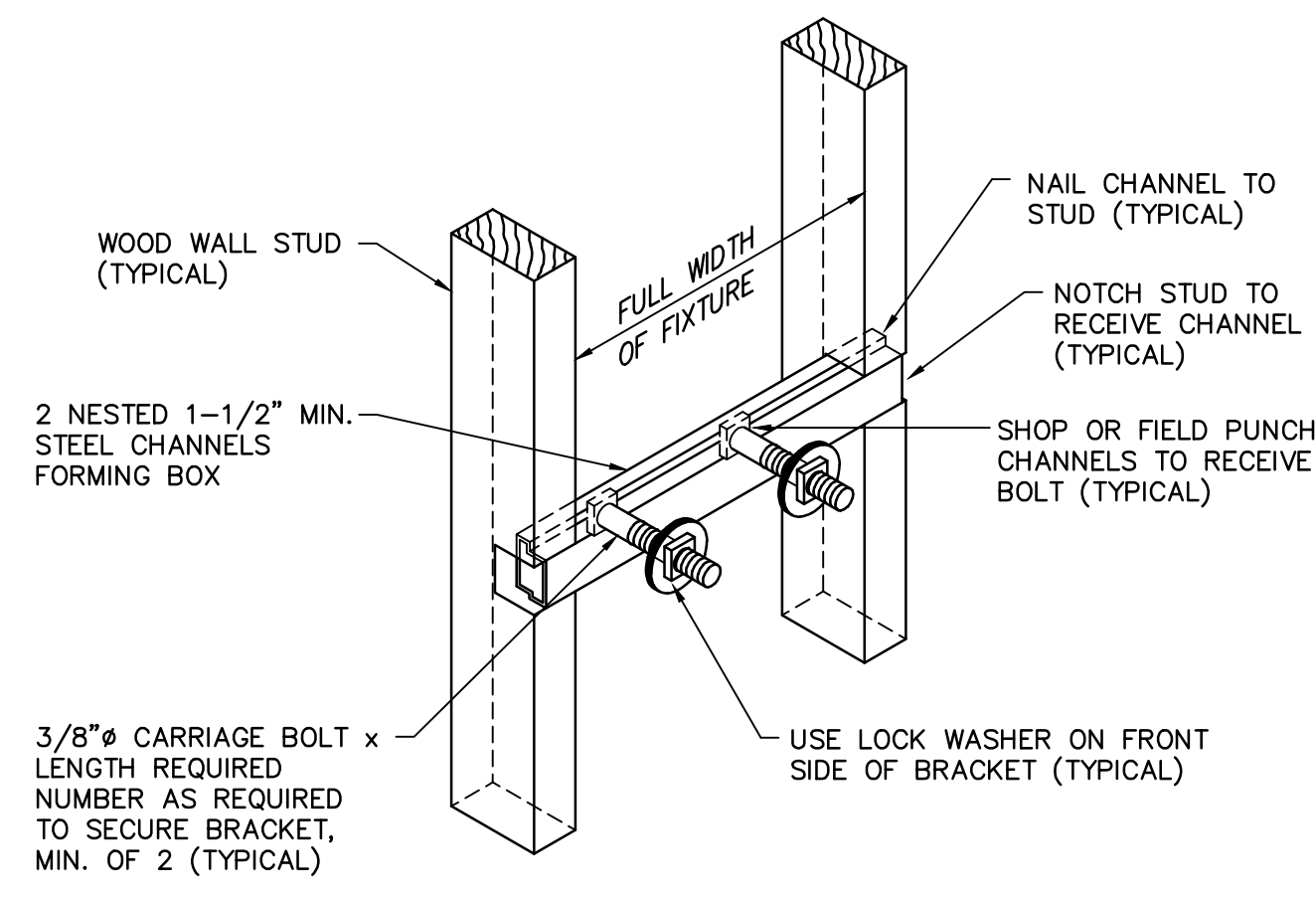
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DRAWING TITLE
FLOOR PLAN, NOTES, SCHEDULES, AND LEGEND

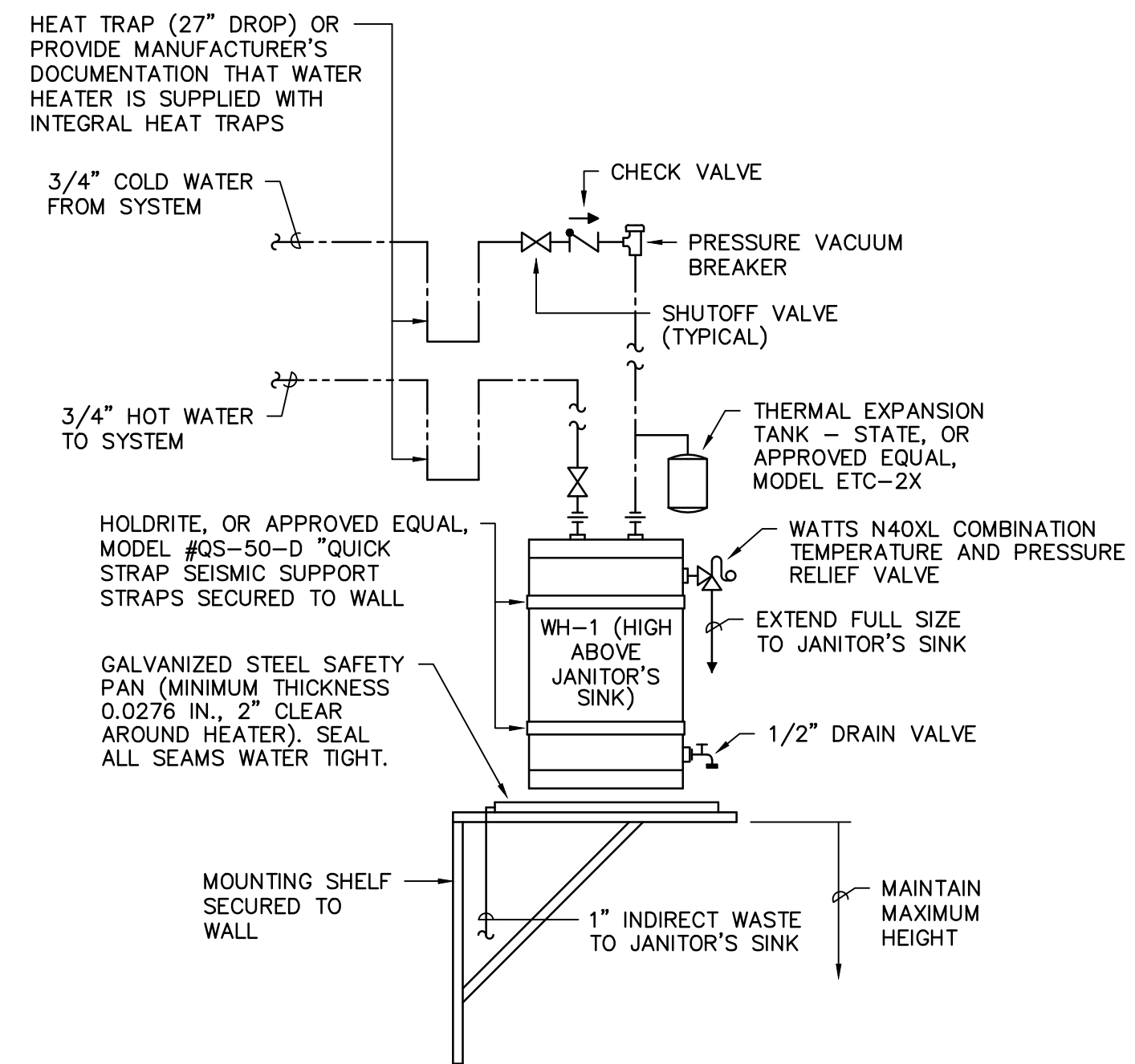
Swygert & Associates
CONSULTING ENGINEERS
DBA Swygert & Assoc., Ltd. Telephone: (803) 791-9300
Post Office Box 11686 Columbia, S.C. 29211 Facsimile: (803) 791-0630
mail@swygert-associates.com

PROJECT NO. UZ25.11
DATE 01/15/13
DRAWING NO. **M1.1**



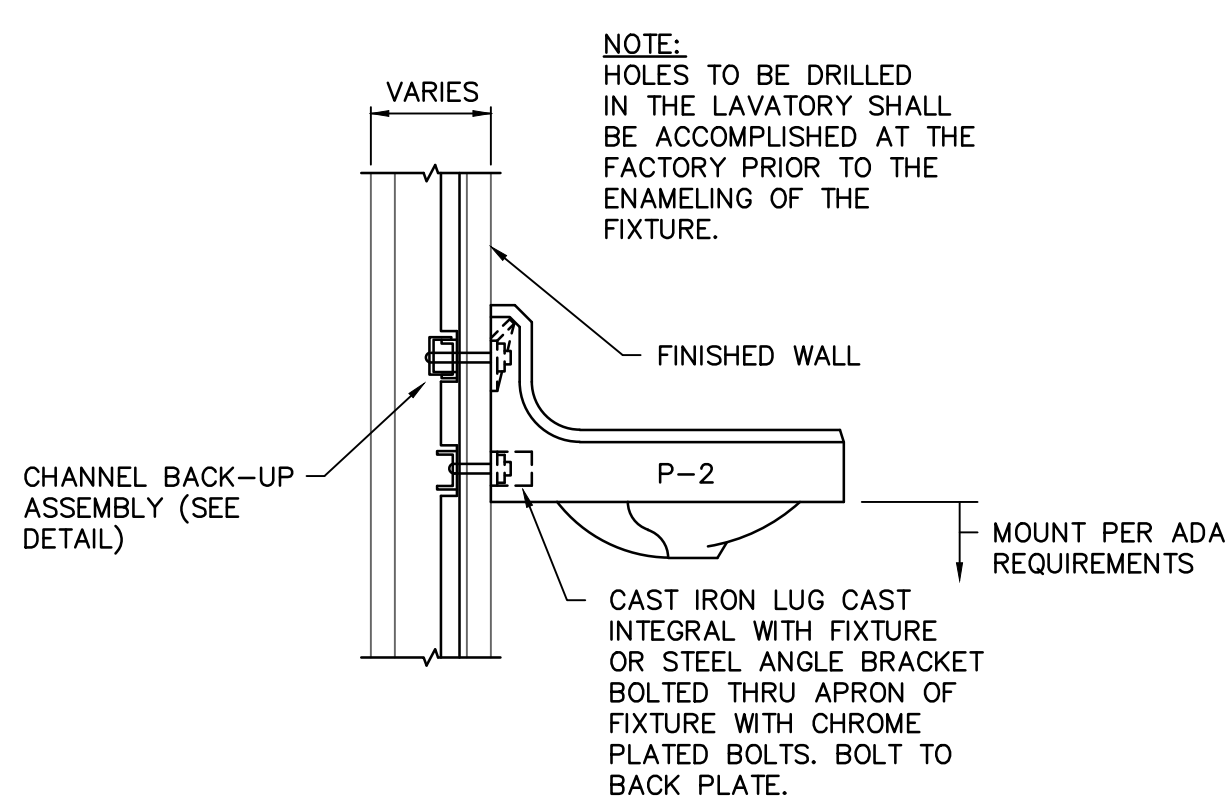
CHANNEL BACK-UP ASSEMBLY

NO SCALE



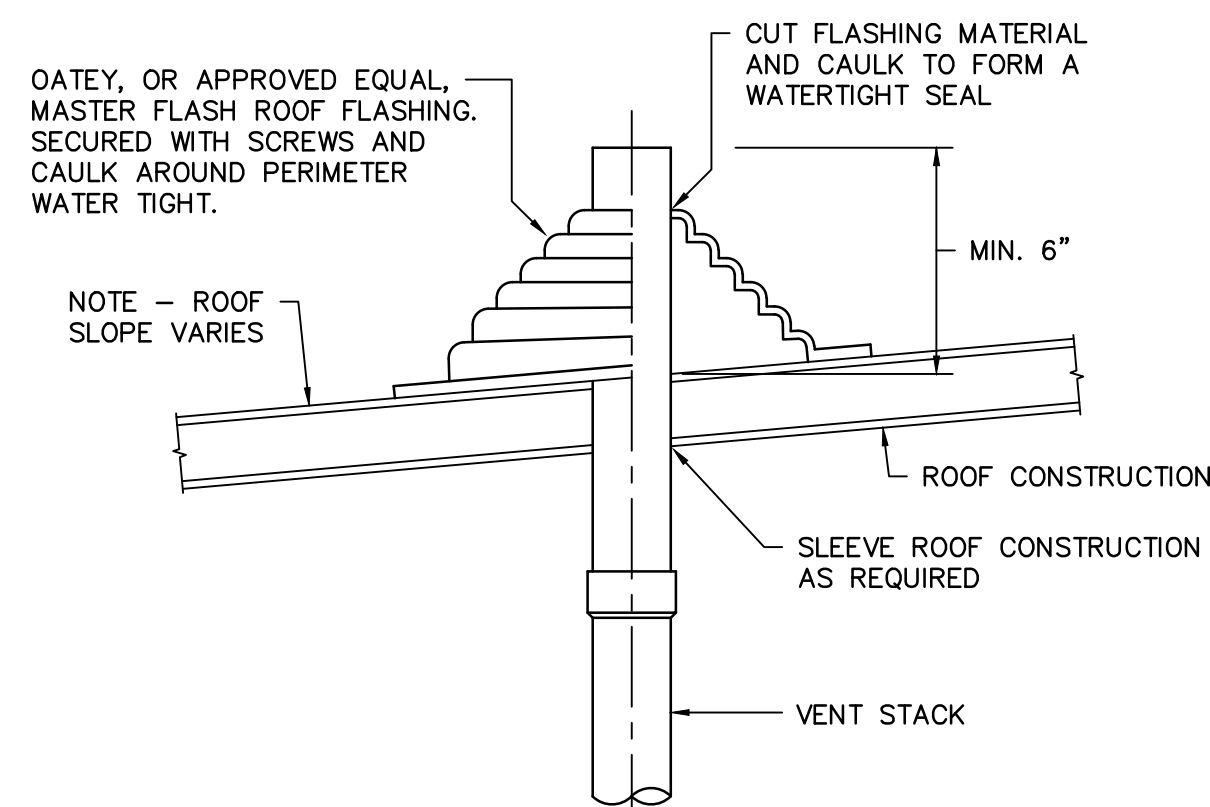
WATER HEATER PIPING DETAIL

NO SCALE



LAVATORY MOUNTING DETAIL

NO SCALE



VENT THROUGH ROOF DETAIL

NO SCALE

PLUMBING FIXTURE SCHEDULE									
P. NO.	FIXTURE	MFG.	NAME	MFGS. NO.	SIZE	MIN. SUPPLY		REMARKS	
						CW	HW		
P-1A	ACCESSIBLE WATER CLOSET	KOHLER	CIMARRON	K-3589	---	3/8"	---	WITH BENEKE MODEL 523 SEAT, MCGUIRE H166 3/8" CAST BRASS SUPPLY WITH STOP, AND BOLT CAPS.	
P-1B	ACCESSIBLE WATER CLOSET	KOHLER	CIMARRON	K-3589-RA	---	3/8"	---	WITH RIGHT-HAND TRIP LEVER, BENEKE MODEL 523 SEAT, MCGUIRE H166 3/8" CAST BRASS SUPPLY WITH STOP, AND BOLT CAPS.	
P-2	LAVATORY	KOHLER	HUDSON	K-2867	20"x18"	3/8"	3/8"	WITH DELTA MODEL 501F-TOMHOF FAUCET, MCGUIRE 155A GRID STRAINER, MCGUIRE H155 3/8" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8872 1-1/4" P-TRAP. MOUNT PER ADA REQUIREMENTS.	
P-3	JANITOR'S SINK	FIAT	---	FL-1	23"x22"	1/2"	1/2"	WITH FIAT MODEL A1 DECK TYPE FAUCET, MCGUIRE H2167 1/2" CAST BRASS SUPPLIES WITH STOPS, AND MCGUIRE 8912 1-1/2" P-TRAP.	
P-4	DRINKING FOUNTAIN	ELKAY	---	EDF15R	---	3/8"	---	WITH MCGUIRE H165 3/8" CAST BRASS SUPPLY WITH STOP, AND MCGUIRE 8872 1-1/4" P-TRAP. MOUNT AT 34" ABOVE FINISHED FLOOR. INSULATE TRAP AND SUPPLY LINE WITH INSULATION KIT SIMILAR TO GENERAL NOTE 12.	
P-5	WALL HYDRANT	WOODFORD	---	MODEL 67	---	3/4"	---	FREEZELESS, MOUNTED 2'-0" ABOVE FINISHED GRADE.	
WH-1	WATER HEATER	STATE	SELECT JUNIOR	ES6-20-SOMS	19 GALLONS	3/4"	3/4"	WITH 1650 WATTS INPUT. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL CHARACTERISTICS.	

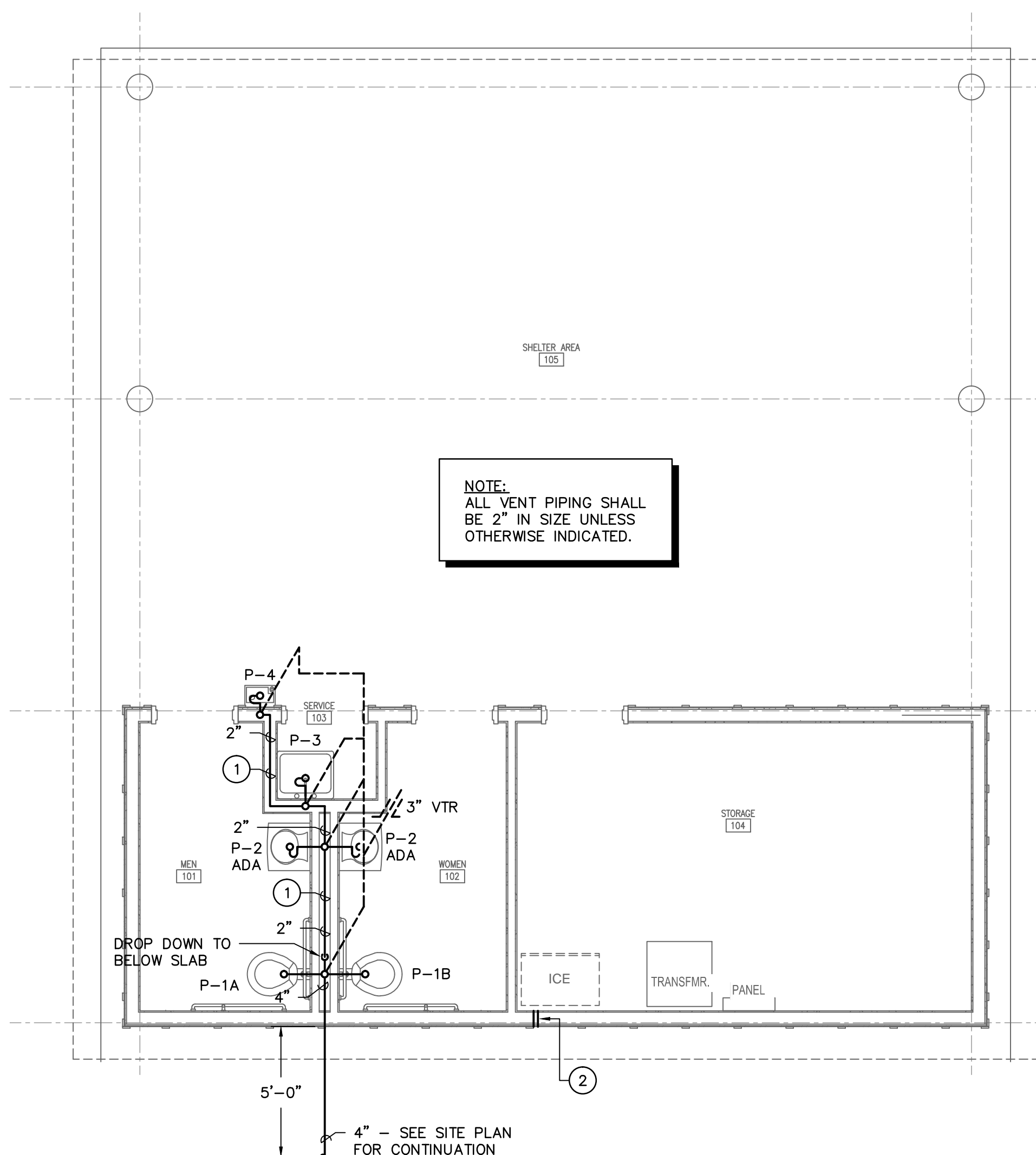
NOTE: SEE ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF ALL WALL MOUNTED FIXTURES.

- NOTES TO SHEET**
- WASTE PIPING TO BE ROUTED IN WALL. DRILL WOOD STUDS AS REQUIRED. COORDINATE WITH GENERAL CONTRACTOR.
 - PROVIDE 2" PVC SLEEVE THROUGH EXTERIOR WALL AT FLOOR SLAB. COORDINATE EXACT LOCATION WITH OWNER SUPPLIED ICE MACHINE.
 - EXTEND UP IN WALL FROM EXTERIOR SIDE TO APPROXIMATELY 24" ABOVE FINISHED FLOOR AND CONNECT TO EXISTING WATER LINE SERVING EXISTING WALL HYDRANT. PROVIDE THREADED TRANSITION FITTING FROM COPPER TO CPVC. SEE PATCHING NOTES FOR MORE INFORMATION.

- GENERAL NOTES**
- ALL WORK SHALL BE PERFORMED ACCORDING TO ALL LOCAL, STATE, NATIONAL CODES, AND THE 2006 INTERNATIONAL PLUMBING CODE.
 - SEE SITE PLAN FOR CONTINUATION OF UTILITIES.
 - ALL CONNECTIONS WITH SITE AT 5'-0" FROM BUILDING SHALL BE MADE BY THIS CONTRACTOR. THIS CONTRACTOR SHALL ALSO PROVIDE ALL NECESSARY TRANSITIONS IN PIPE SIZE AND/OR MATERIALS.
 - DO NOT SCALE DRAWINGS. SEE ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS, FIXTURE LOCATIONS, ETC.
 - EXCEPT WHERE PIPE SPACE IS PROVIDED OR UNLESS NOTED OTHERWISE, ALL SUPPLY, WASTE AND VENT RISERS SHALL BE RUN IN WALLS AND PARTITIONS.
 - VENTS SHALL BE COLLECTED ABOVE THE CEILING AND EXTENDED THROUGH THE ROOF AS A SINGLE VENT AS INDICATED.
 - ALL VENT PIPING EXTENDING ABOVE ROOF LINE SHALL BE PAINTED THE SAME COLOR AS THE ROOF.
 - COORDINATE CLOSELY WITH ALL WORK DONE UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID INTERFERENCE AND CONFLICT.
 - PROVIDE FOR ACCESS TO ALL EQUIPMENT REQUIRING CLEANING OR ADJUSTMENT.
 - LOCATE ALL EXTERIOR WALL HYDRANTS 2'-0" ABOVE FINISHED GRADE.
 - VALVES WITH THREADED HOSE CONNECTIONS, AND WALL HYDRANTS SHALL BE EQUIPPED WITH A WATTS REGULATOR COMPANY, NO. NFB BACK-SIPHONAGE, BACKFLOW PREVENTER.
 - EXPOSED WASTE AND WATER PIPING UNDER LAVATORIES MARKED "ADA" SHALL BE INSULATED WITH HANDY LAY-GUARD KIT MODEL NUMBER 102W AS MANUFACTURED BY TRUEBRO, INC., OR APPROVED EQUAL.
 - ALL PIPING INSULATION SHALL BE RUN CONTINUOUSLY.

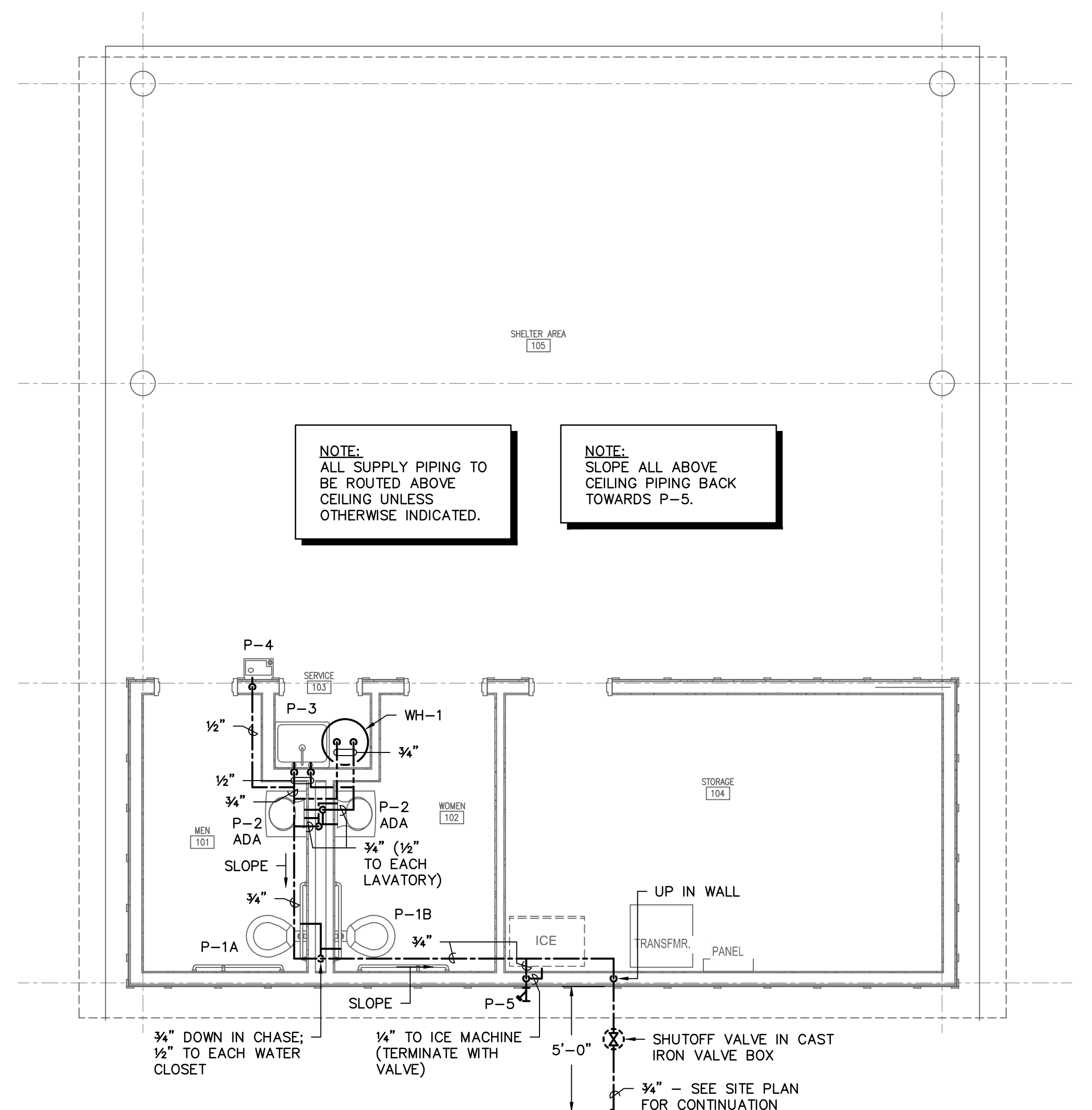
LEGEND

SYMBOL	DESCRIPTION
⤵	SANITARY WASTE LINE
⤵	SANITARY VENT LINE
⤵	DOMESTIC COLD WATER LINE
⤵	DOMESTIC HOT WATER LINE
⤵	SHUTOFF VALVE
⤵	PIPE TURNS TO, AWAY
⤵	WALL HYDRANT
ADA	FIXTURE FOR USE ACCORDING TO THE AMERICANS WITH DISABILITIES ACT
VTR	VENT THROUGH ROOF
⊕	CONNECTION POINT OF NEW TO EXISTING



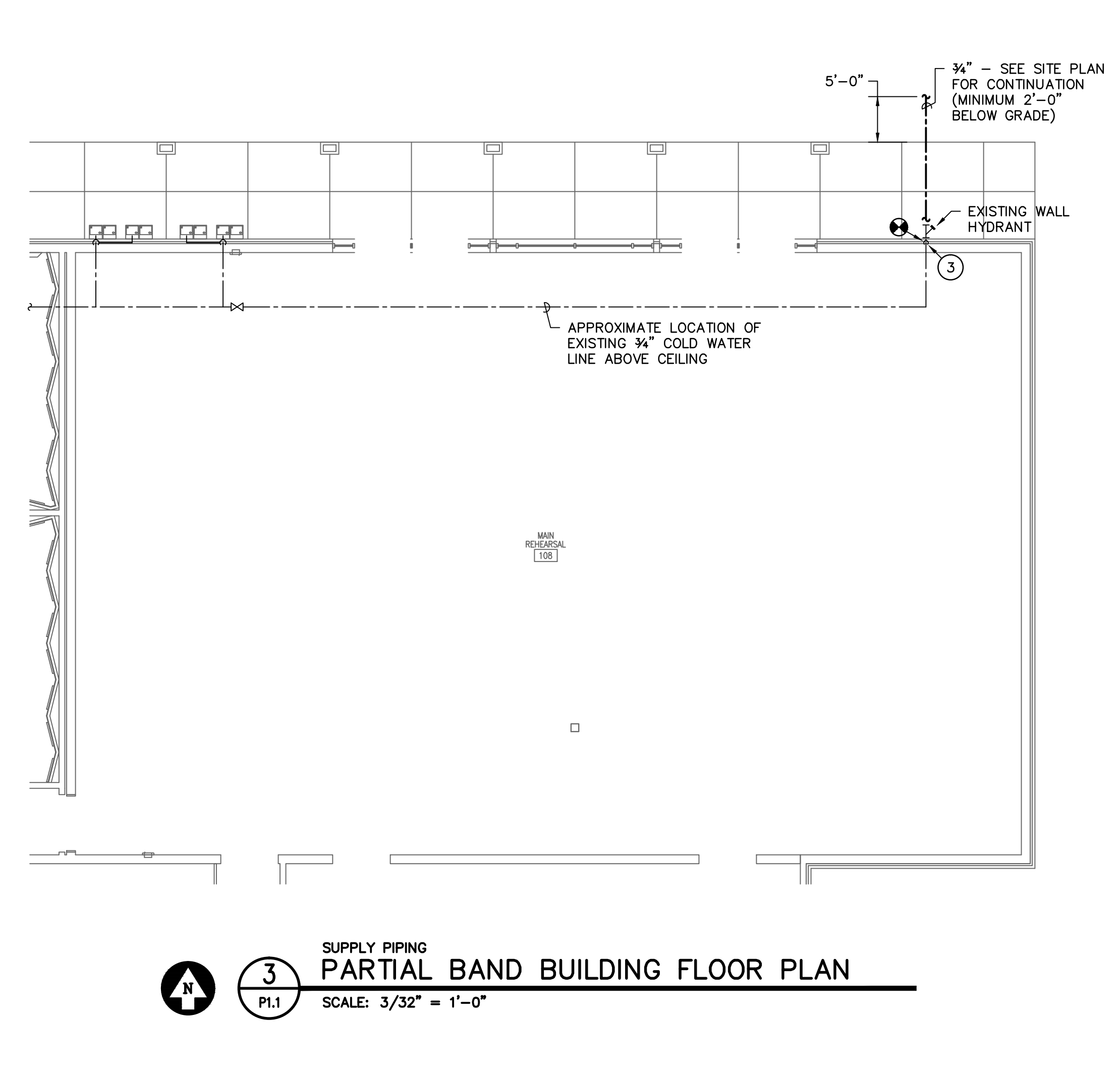
WASTE AND VENT PIPING FLOOR PLAN

NO SCALE



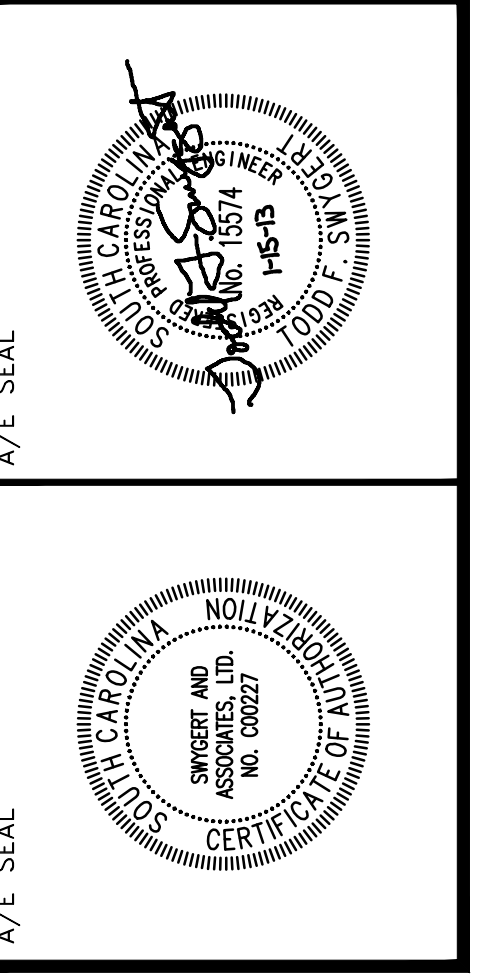
SUPPLY PIPING FLOOR PLAN

NO SCALE



SUPPLY PIPING PARTIAL BAND BUILDING FLOOR PLAN

NO SCALE



CHALLENGE COURSE BUILDING AND FENCE
Behind 324 Sumter Street
Columbia, SC 29206
PROJECT TITLE

REVISIONS

NO.	NAME	DATE

DRAWN BY: DEM
CHECKED BY: TFS
DATE: 01/15/13

FLOOR PLANS, DETAILS, NOTES, SCHEDULE, AND LEGEND
DRAWING TITLE

ELECTRICAL SYMBOL LEGEND	
	1A-5 LIGHTING FIXTURES (SEE LIGHTING FIXTURE SCHEDULE) NOTATION ADJACENT TO LIGHTING FIXTURE: ALPHA/NUMBER = PANEL & CIRCUIT UPPER CASE LETTER = LIGHTING FIXTURE TYPE
	S SINGLE POLE SWITCH, MOUNTED 48" AFF (T.O.B.).
	M MOTOR RATED SWITCH, 1 POLE 120V, MOUNTED IN ACCESSIBLE SPACE NEAR EQUIPMENT.
	12 20 AMP DUPLEX RECEPTACLE, WALL MOUNTED 18" AFF UNLESS NOTED OTHERWISE (NUMBER DENOTES CIRCUIT).
	20 AMP DUPLEX RECEPTACLE, WALL MOUNTED 42" AFF OR 6" ABOVE COUNTER COUNTER BACKSPASH. (GFI DENOTES GROUND FAULT INTERRUPTER TYPE RECEPTACLE)
	JUNCTION BOX, CEILING MOUNTED, FUNCTION AS INDICATED.
	ELECTRICAL PANELBOARD, SURFACE MOUNTED.
	MOTOR CONNECTION
	DISCONNECT SWITCH, (30 AMP, 240V, 2 POLE, NON-FUSIBLE, NEMA 1, GD TYPE)

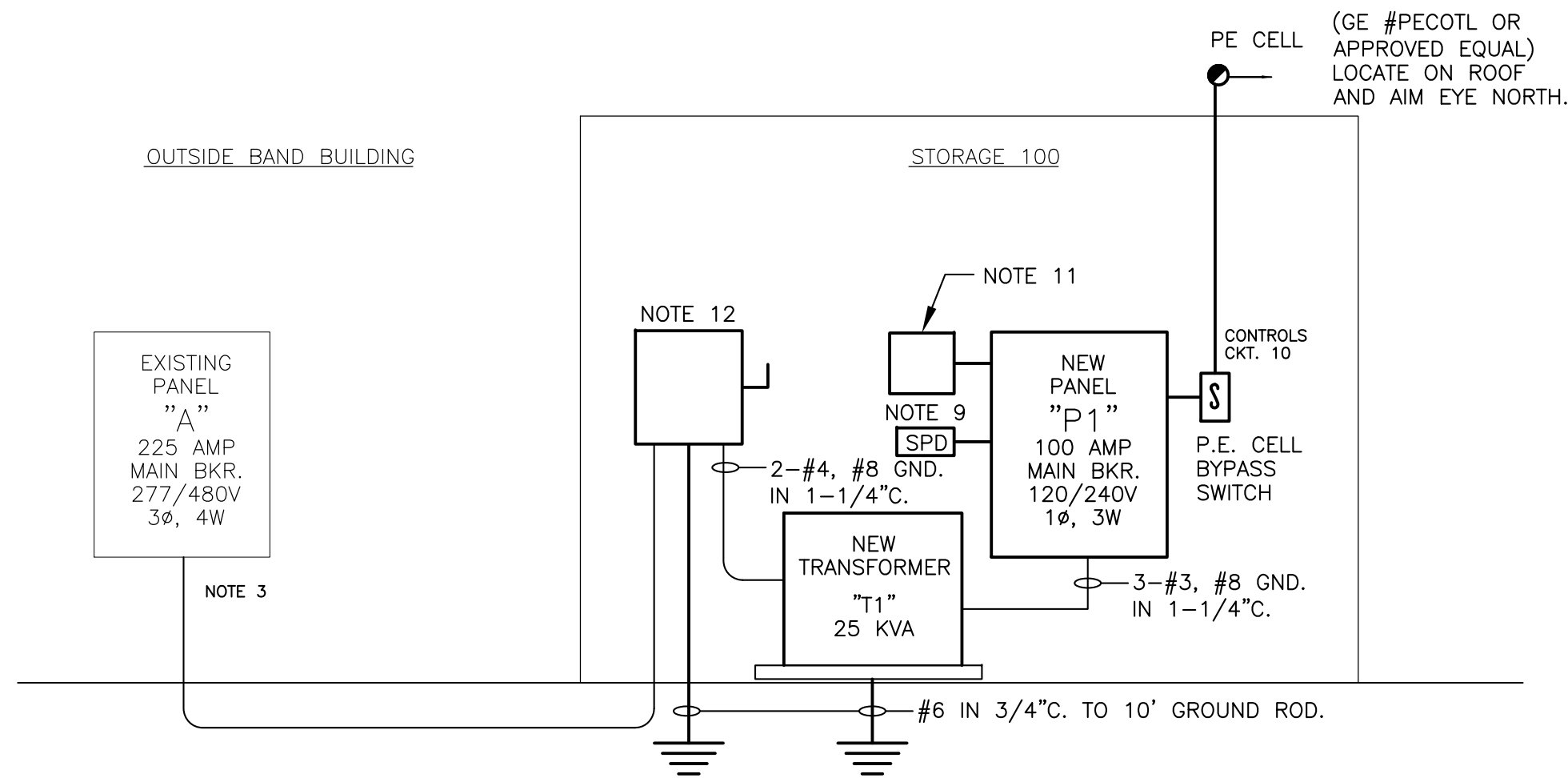
MOUNTING HEIGHTS INDICATED IN THIS LEGEND SHALL BE TO TOP OF BOX.

DRAWING INDEX	
E1.0	DRAWING INDEX, POWER, SYSTEMS AND LIGHTING PLAN
E2.0	EXISTING ELECTRICAL SITE PLAN - FOR REFERENCE ONLY

LIGHTING FIXTURE SCHEDULE								
SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS
	A	4' FLUORESCENT SURFACE MOUNTED FIXTURE	KENALL	MLHA12 48 R MW PP 3 32 IS	POLYCARBONATE LENS	CEILING	120	3 - F32T8/TL741/ALTO
	AE	4' FLUORESCENT SURFACE MOUNTED FIXTURE WITH BATT. PACK.	KENALL	MLHA12 48 R MW PP 3 32 IS	POLYCARBONATE LENS	CEILING	120	3 - F32T8/TL741/ALTO
	BE	WALL MOUNTED FLUORESCENT TAMPERPROOF FIXTURE	KENALL	MR13FED PP MB 32P 1 DV EL	POLYCARBONATE LENS	WALL 7'8" AFG	120	1 - PL-T 32W/41/4P/ALTO
	C	2' FLUORESCENT SURFACE MOUNTED FIXTURE	KENALL	MLHA12 24 R MW PP 2 17 IS	POLYCARBONATE LENS	CEILING	120	2 - F17T8/TL741/ALTO
	D	17" ROUND VANDAL RESISTANT FIXTURE	KENALL	MR17FFD PP MB 42P 2 DV	POLYCARBONATE LENS	UNISTRUT MTD 11'0 AFF	120	2 - PL-T 42W/41/4P/ALTO
	DE	17" ROUND VANDAL RESISTANT FIXTURE WITH BATTERY PACK.	KENALL	MR17FFD PP MB 42P 2 DV EL	POLYCARBONATE LENS	UNISTRUT MTD 11'0 AFF	120	2 - PL-T 42W/41/4P/ALTO

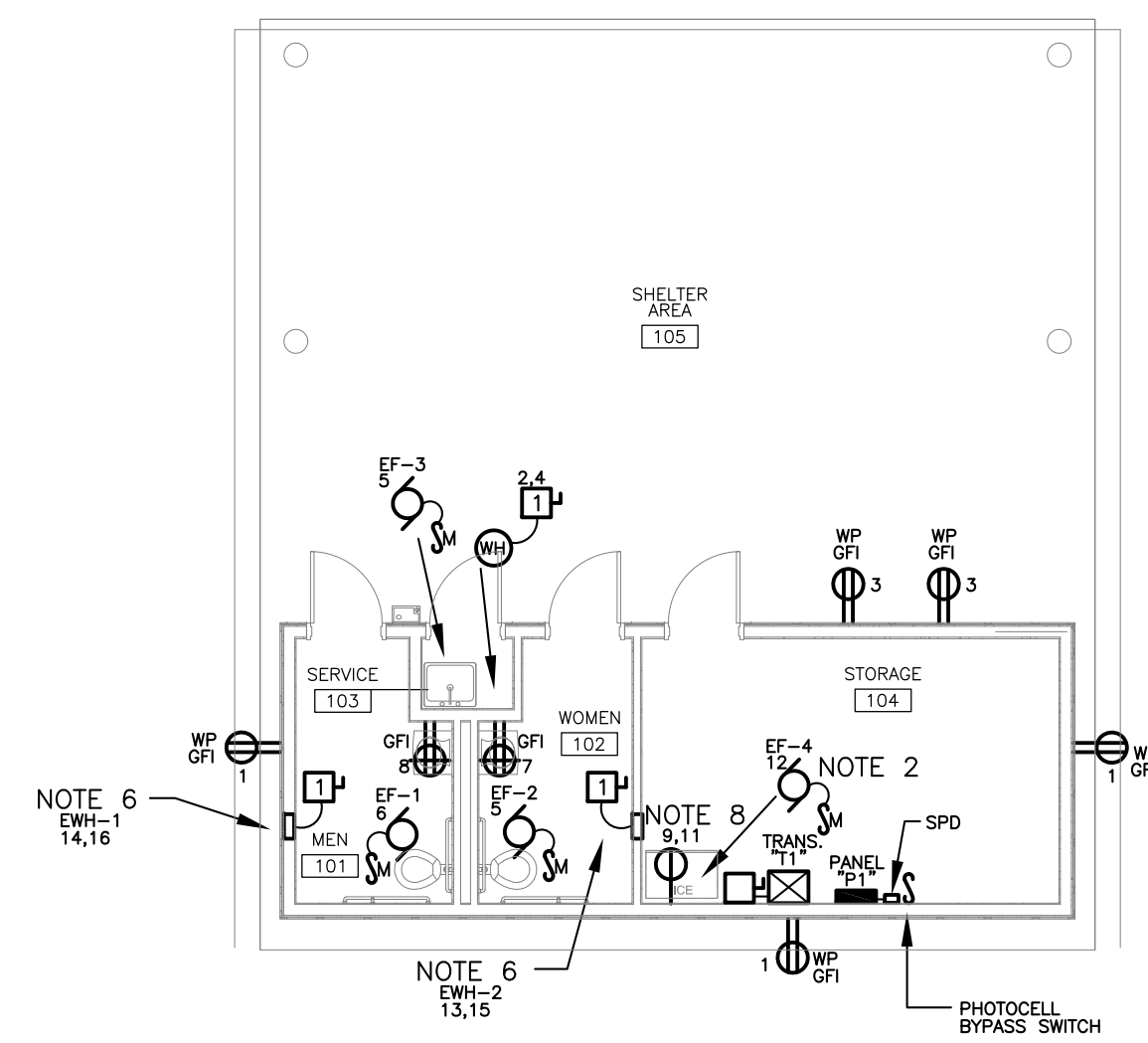
NOTE: LAMP DESCRIPTIONS ARE PHILIPS CATALOG NUMBERS (UNLESS NOTED OTHERWISE) OR APPROVED EQUAL.

- | NOTES | |
|-------|---|
| 1. | ALL RECEPTACLES, EQUIPMENT, AND LIGHTING DEVICES SHALL BE FED FROM PANEL "P1" WITH 2#12, #12 GND IN 3/4" CONDUIT UNLESS NOTED OTHERWISE. |
| 2. | EXHAUST FAN SHALL BE CONTROLLED VIA LINE VOLTAGE COOLING STAT PROVIDED BY MECHANICAL CONTRACTOR, CONNECTED BY ELECTRICAL CONTRACTOR. |
| 3. | TRANSFORMER "T1" SHALL BE FED FROM ONE NEW 2-POLE, 70 AMP BREAKER PROVIDED BY ELECTRICAL CONTRACTOR IN EXISTING 277/480V PANEL "A". FEED WITH 2-#4 AND 1-#8 GND. IN 1-1/4" CONDUIT. CONDUIT SHALL BE IMC FOR OUTDOOR ABOVE GRADE, RGS ELBOWS, PVC SCHEDULE 40 UNDER GROUND. |
| 4. | LOCATION - SEE CIVIL DRAWING AND REFERENCE ONLY EXISTING ELECTRICAL SITE PLAN. THIS SITE IS EAST OF SUMNER ST. EAST OF THE BAND/DANCE BUILDING, SOUTHWEST OF BLATT PE CENTER. |
| 5. | PROVIDE JUNCTION BOX MOUNTED TO STRUCTURE WITH 2#12, #12 GND IN 3/4" CONDUIT BACK TO PANEL "P1" FOR FUTURE CEILING FAN INSTALLATION. COORDINATE EXACT LOCATION OF JUNCTION BOX AND CONTROL SWITCH WITH OWNER. |
| 6. | PROVIDE CONNECTION TO WALL MOUNTED HEATER VIA 2 POLE DISCONNECT WITH PILOT LIGHT INDICATING "ON" STATUS. |
| 7. | PROVIDE ONE SINGLE POLE 20 AMP SWITCH FOR LIGHTING CONTROL AND ONE SINGLE POLE 20 AMP SWITCH FOR EXHAUST FAN CONTROL IN THIS ROOM. |
| 8. | PROVIDE 20 AMP 208V SINGLE PHASE CONNECTION TO NEW ICE MACHINE. COORDINATE RECEPTACLE TYPE WITH ICE MACHINE SPECIFICATIONS. |
| 9. | LEA USPS-M, 82.5KA OR EQUAL. TWIST LEADS, FEEDERS SHALL BE AS SHORT AS POSSIBLE MINIMIZING BENDS. |
| 10. | TYPE "D" & "DE" FIXTURES SHALL BE MOUNTED TO UNISTRUT BETWEEN THE TRUSSES SUCH THAT THE BOTTOM FACE (LENS) OF EACH FIXTURE IS JUST BELOW THE BOTTOM OF THE TRUSS. |
| 11. | PROVIDE VERIS INDUSTRIES POWER METER H8150-0100-0-2. |
| 12. | PROVIDE 100A 480V HEAVY DUTY SE RATED DISCONNECT FUSED 70A. |

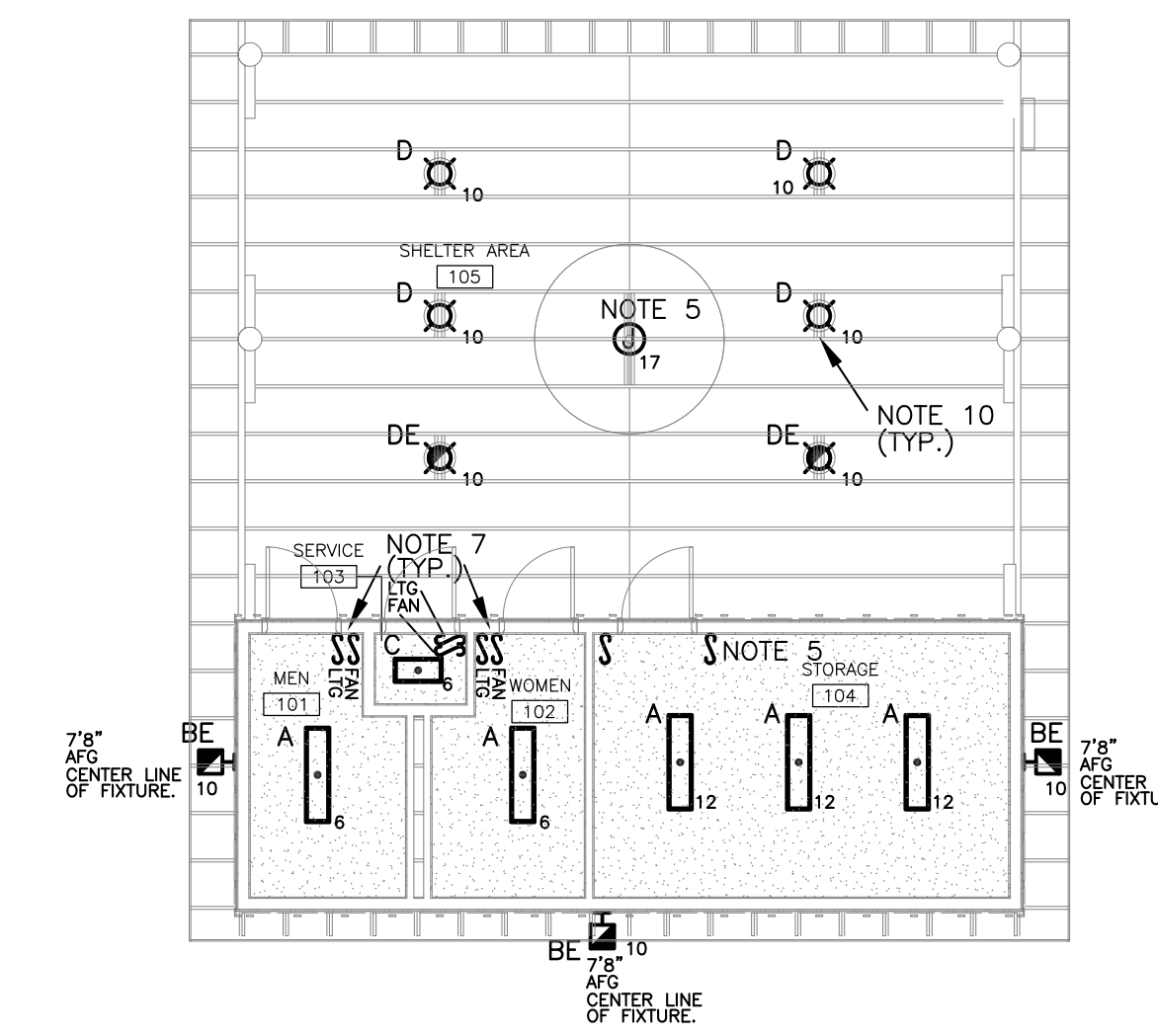


3 PARTIAL SINGLE-LINE DIAGRAM
NOT TO SCALE

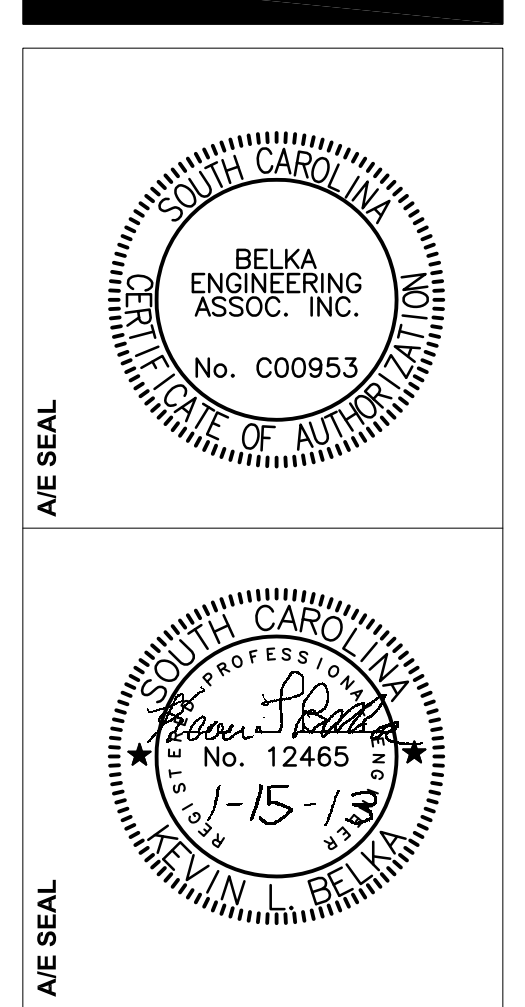
120/240V, 1 PH., 3W, 60 HZ										PANEL "P1"	
100 AMP M.B. SURFACE MOUNTED 10,000 A.I.C. SYM. (MINIMUM)											
LOADS SERVED	BKR AMP	LOAD KVA	CKT NO.	(S / N)	CKT NO.	LOAD KVA	BKR AMP	LOADS SERVED			
EXTERIOR RECEPTACLES	20	0.8	1		2	0.9	20	WATER HEATER			
EXTERIOR RECEPTACLES	20	0.4	3		4	0.9	20	WATER HEATER			
WOMEN 101 - LTG/EF-1	20	0.2	5		6	0.3	20	MEN 101 SERVICE 103-LTG/EF-2,3			
WOMEN 101 - RECEPTACLE	20	0.2	7		8	0.2	20	MEN 101 - RECEPTACLE			
ICE MAKER	20	1.0	9		10	1.0	20	EXTERIOR/CANOPY FIXTURES			
					12	0.7	20	STORAGE 104 - LTG, EF-4			
WOMEN 101 - WALL HEATER	20	0.8	13		14	0.8	20	MEN 101 - WALL HEATER			
CEILING FAN	20	0.8	15		16	0.8	20	SPARE			
SPD	20	-	17		18	-	20	SPARE			
SPARE	20	-	21		22	-	20	SPARE			
SPARE	20	-	23		24	-	20	SPARE			
SPARE	20	-	25		26	-	20	SPARE			
SPARE	20	-	27		28	-	20	SPARE			
SPARE	20	-	29		30	-	20	SPARE			
CONNECTED LOADS (KVA)							ØA 5.8 ØB 5.0				
TOTAL LOADS (KVA)							10.8				



1 CHALLENGE COURSE BLDG. POWER AND SYSTEMS PLAN
SCALE: 1/8" = 1'-0"



2 CHALLENGE COURSE BLDG. LIGHTING PLAN
SCALE: 1/8" = 1'-0"

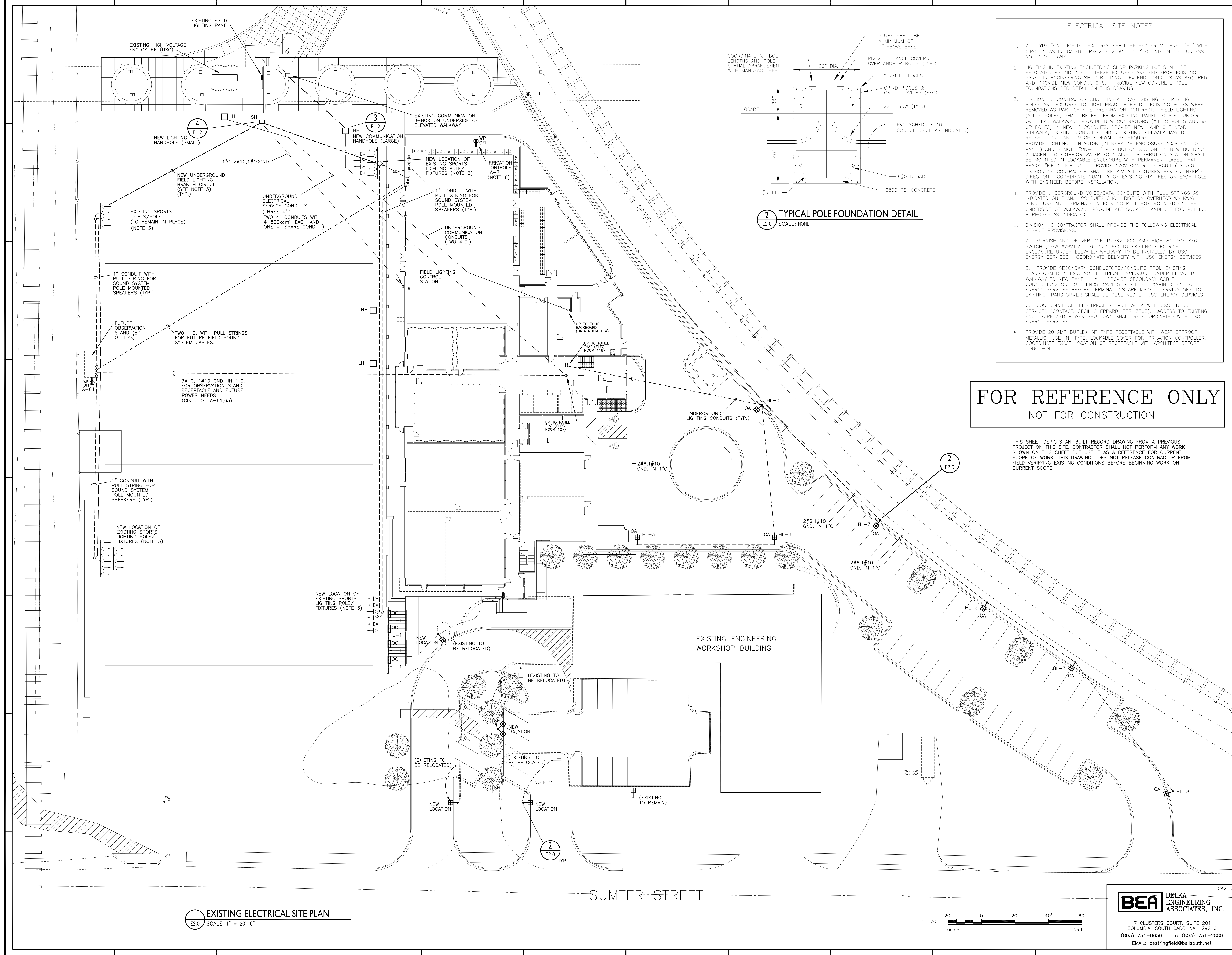


PROJECT TITLE	DATE

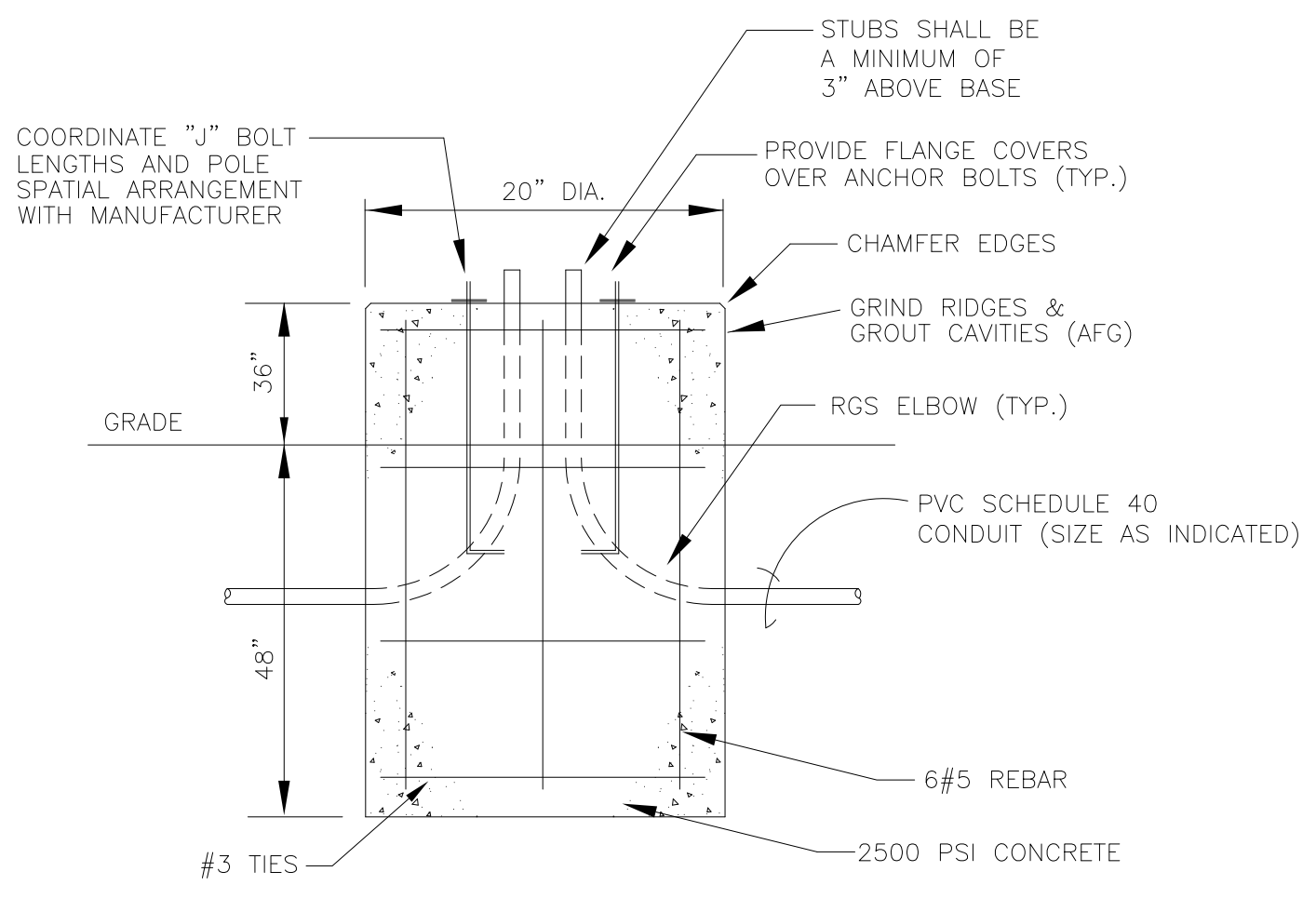
REVISIONS	NO.	NAME

DRAWN BY:	TSR
CHECKED BY:	KLB

BEA BELKA ENGINEERING ASSOCIATES, INC.
7 CLUSTERS CT, SUITE 201 COLUMBIA, SOUTH CAROLINA 29210
(803) 731-0650 fax (803) 731-2880
EMAIL: KBelko@bellsouth.net



1 EXISTING ELECTRICAL SITE PLAN
E2.0 SCALE: 1" = 20'-0"

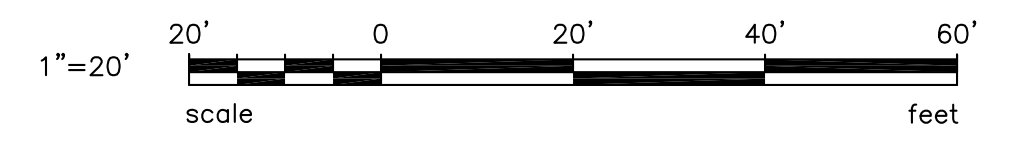


2 TYPICAL POLE FOUNDATION DETAIL
E2.0 SCALE: NONE

- ELECTRICAL SITE NOTES**
- ALL TYPE "OA" LIGHTING FIXTURES SHALL BE FED FROM PANEL "HL" WITH CIRCUITS AS INDICATED. PROVIDE 2-#10, 1-#10 GND. IN 1" UNLESS NOTED OTHERWISE.
 - LIGHTING IN EXISTING ENGINEERING SHOP PARKING LOT SHALL BE RELOCATED AS INDICATED. THESE FIXTURES ARE FED FROM EXISTING PANEL IN ENGINEERING SHOP BUILDING. EXTEND CONDUITS AS REQUIRED AND PROVIDE NEW CONDUITS. PROVIDE NEW CONCRETE POLE FOUNDATIONS PER DETAIL ON THIS DRAWING.
 - DIVISION 16 CONTRACTOR SHALL INSTALL (3) EXISTING SPORTS LIGHT POLES AND FIXTURES TO LIGHT PRACTICE FIELD. EXISTING POLES WERE REMOVED AS PART OF SITE PREPARATION CONTRACT. FIELD LIGHTING (ALL 4 POLES) SHALL BE FED FROM EXISTING PANEL LOCATED UNDER OVERHEAD WALKWAY. PROVIDE NEW CONDUITS (#4 TO POLES AND #8 UP POLES) IN NEW 1" CONDUITS. PROVIDE NEW HANDHOLE NEAR SIDEWALK; EXISTING CONDUITS UNDER EXISTING SIDEWALK MAY BE REUSED. CUT AND PATCH SIDEWALK AS REQUIRED. PROVIDE LIGHTING CONTRACTOR (IN NEMA 3R ENCLOSURE ADJACENT TO PANEL) AND REMOTE "ON-OFF" PUSHBUTTON STATION ON NEW BUILDING ADJACENT TO EXTERIOR WATER FOUNTAINS. PUSHBUTTON STATION SHALL BE MOUNTED IN LOCKABLE ENCLOSURE WITH PERMANENT LABEL THAT READS: "FIELD LIGHTING". PROVIDE 120V CONTROL CIRCUIT (LA-56). DIVISION 16 CONTRACTOR SHALL RE-AM ALL FIXTURES PER ENGINEER'S DIRECTION. COORDINATE QUANTITY OF EXISTING FIXTURES ON EACH POLE WITH ENGINEER BEFORE INSTALLATION.
 - PROVIDE UNDERGROUND VOICE/DATA CONDUITS WITH PULL STRINGS AS INDICATED ON PLAN. CONDUITS SHALL RISE ON OVERHEAD WALKWAY STRUCTURE AND TERMINATE IN EXISTING PULL BOX MOUNTED ON THE UNDERSIDE OF WALKWAY. PROVIDE 48" SQUARE HANDHOLE FOR PULLING PURPOSES AS INDICATED.
 - DIVISION 16 CONTRACTOR SHALL PROVIDE THE FOLLOWING ELECTRICAL SERVICE PROVISIONS:
 - FURNISH AND DELIVER ONE 15.5KV, 600 AMP HIGH VOLTAGE SF6 SWITCH (G&W #VPI32-376-123-6F) TO EXISTING ELECTRICAL ENCLOSURE UNDER ELEVATED WALKWAY TO BE INSTALLED BY USC ENERGY SERVICES. COORDINATE DELIVERY WITH USC ENERGY SERVICES.
 - PROVIDE SECONDARY CONDUCTORS/CONDUITS FROM EXISTING TRANSFORMER IN EXISTING ELECTRICAL ENCLOSURE UNDER ELEVATED WALKWAY TO NEW PANEL "HA". PROVIDE SECONDARY CABLE CONNECTIONS ON BOTH ENDS; CABLES SHALL BE EXAMINED BY USC ENERGY SERVICES BEFORE TERMINATIONS ARE MADE. TERMINATIONS TO EXISTING TRANSFORMER SHALL BE OBSERVED BY USC ENERGY SERVICES.
 - COORDINATE ALL ELECTRICAL SERVICE WORK WITH USC ENERGY SERVICES (CONTACT: CECIL SHEPPARD, 777-3505). ACCESS TO EXISTING ENCLOSURE AND POWER SHUTDOWN SHALL BE COORDINATED WITH USC ENERGY SERVICES.
 - PROVIDE 20 AMP DUPLEX GFI TYPE RECEPTACLE WITH WEATHERPROOF METALLIC "USE-IN" TYPE, LOCKABLE COVER FOR IRRIGATION CONTROLLER. COORDINATE EXACT LOCATION OF RECEPTACLE WITH ARCHITECT BEFORE ROUGH-IN.

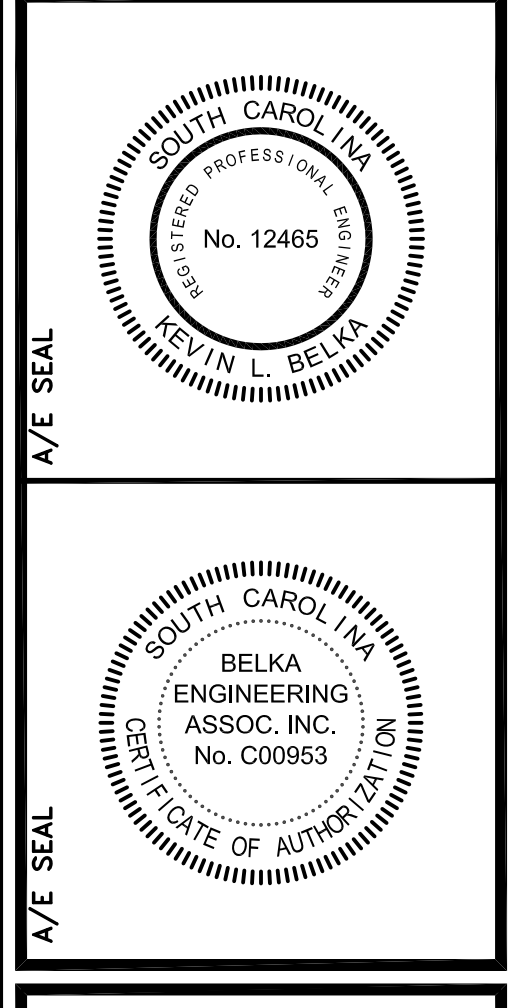
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GARVINDESIGNGROUP
architecture interiors planning
1209 Lincoln Street
Columbia, SC 29202
803.212.1074 p / 803.212.1074 f



PROJECT TITLE
BAND HALL AND DANCE FACILITY CONSTRUCTION - BUILDING
UNIVERSITY OF SOUTH CAROLINA COLUMBIA CAMPUS COLUMBIA, SOUTH CAROLINA
STATE PROJECT NO. H27-6015-MJ-B

NO.	DATE	REV.	NAME
1	12.11.07	REV. SERVICE CONDITS.	
2	05.05.08	ADD SOUND CONDITS	

DRAWN BY ZES
CHECKED BY CES
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DRAWING TITLE
EXISTING ELECTRICAL SITE PLAN
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PROJECT NO. 030505
DATE 19 NOV 2007
DRAWING NO. E2.0