

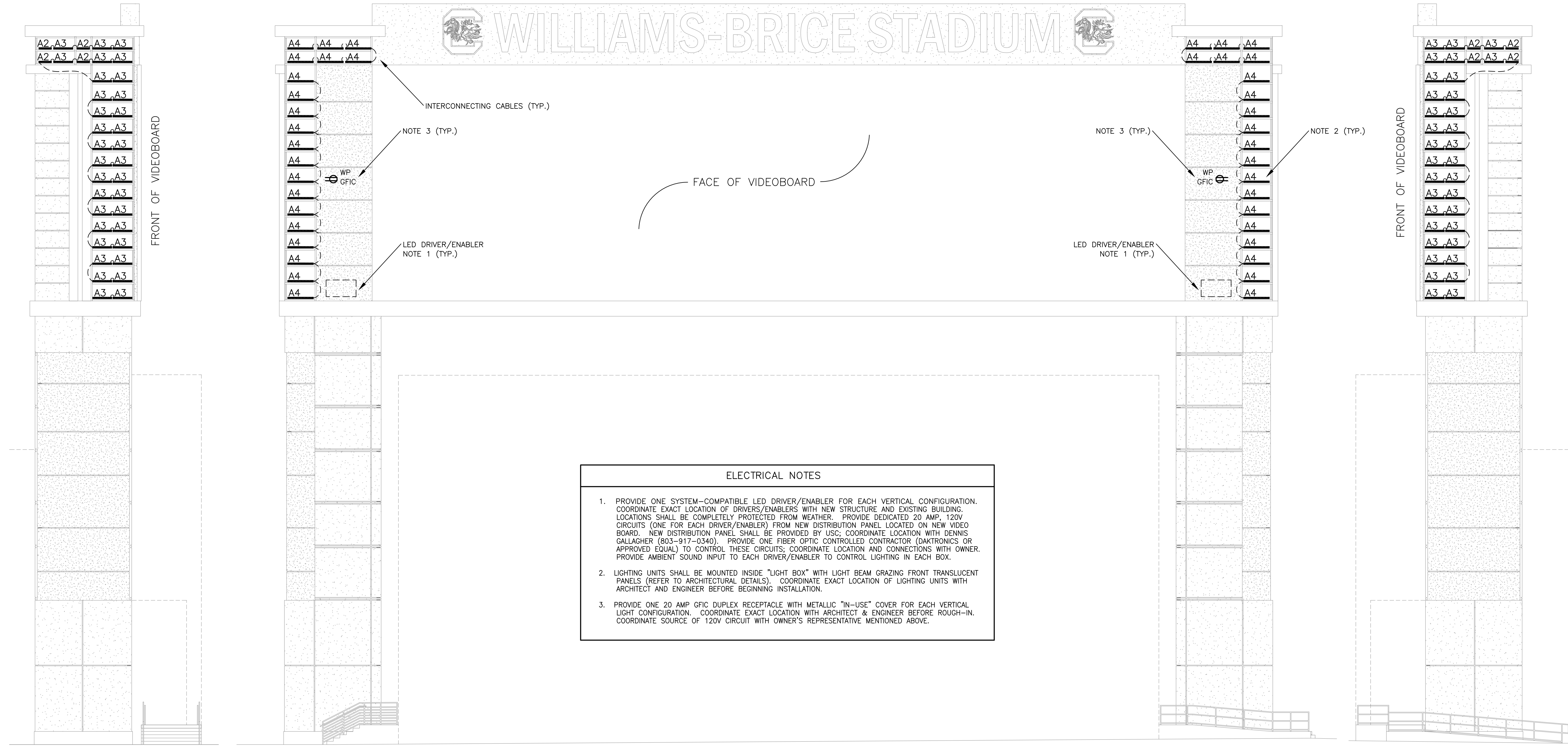
PROJECT TITLE
 WILLIAMS-BRICE STADIUM
 VIDEO BOARD SUPPORT
 CONSTRUCTION
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SC
 STATE PROJECT NO. H27-6089-MJ

NO.	REVISIONS	NAME	DATE

DRWN BY: CES
CHKD BY: KLB
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DRAWING TITLE
ELECTRICAL PLAN

PROJECT NO. U291.11
DATE 12.20.11
DRAWING NO.
E1.1

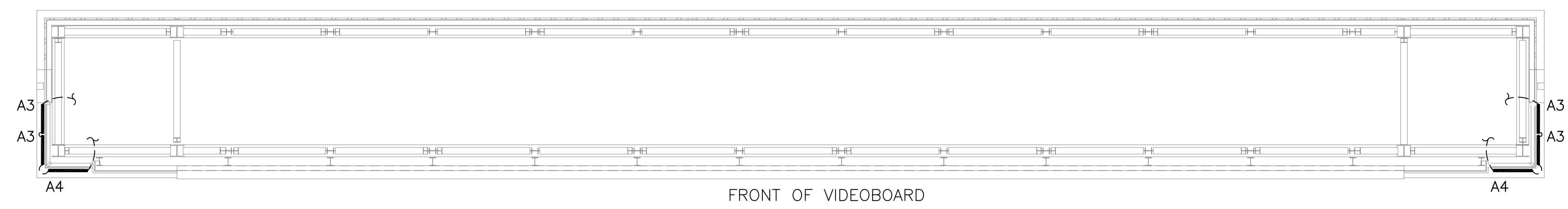


- ELECTRICAL NOTES**
1. PROVIDE ONE SYSTEM-COMPATIBLE LED DRIVER/ENABLER FOR EACH VERTICAL CONFIGURATION. COORDINATE EXACT LOCATION OF DRIVERS/ENABLERS WITH NEW STRUCTURE AND EXISTING BUILDING. LOCATIONS SHALL BE COMPLETELY PROTECTED FROM WEATHER. PROVIDE DEDICATED 20 AMP, 120V CIRCUITS (ONE FOR EACH DRIVER/ENABLER) FROM NEW DISTRIBUTION PANEL LOCATED ON NEW VIDEO BOARD. NEW DISTRIBUTION PANEL SHALL BE PROVIDED BY USC; COORDINATE LOCATION WITH DENNIS GALLAGHER (803-917-0340). PROVIDE ONE FIBER OPTIC CONTROLLED CONTRACTOR (DAKTRONICS OR APPROVED EQUAL) TO CONTROL THESE CIRCUITS; COORDINATE LOCATION AND CONNECTIONS WITH OWNER. PROVIDE AMBIENT SOUND INPUT TO EACH DRIVER/ENABLER TO CONTROL LIGHTING IN EACH BOX.
 2. LIGHTING UNITS SHALL BE MOUNTED INSIDE "LIGHT BOX" WITH LIGHT BEAM GRAZING FRONT TRANSLUCENT PANELS (REFER TO ARCHITECTURAL DETAILS). COORDINATE EXACT LOCATION OF LIGHTING UNITS WITH ARCHITECT AND ENGINEER BEFORE BEGINNING INSTALLATION.
 3. PROVIDE ONE 20 AMP GFCI DUPLEX RECEPTACLE WITH METALLIC "IN-USE" COVER FOR EACH VERTICAL LIGHT CONFIGURATION. COORDINATE EXACT LOCATION WITH ARCHITECT & ENGINEER BEFORE ROUGH-IN. COORDINATE SOURCE OF 120V CIRCUIT WITH OWNER'S REPRESENTATIVE MENTIONED ABOVE.

1 WEST ELEVATION VIEW
 E1 1/8" = 1'-0"

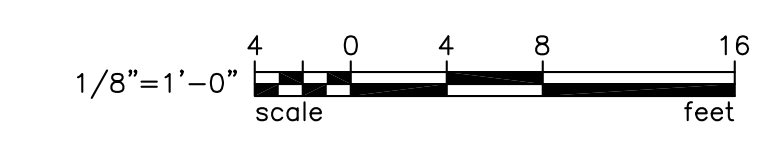
2 FRONT ELEVATION VIEW
 E1 1/8" = 1'-0"

3 EAST ELEVATION VIEW
 E1 1/8" = 1'-0"



4 SECTION THROUGH CENTER OF BOARD
 E1 1/8" = 1'-0"

SYMBOL	TYPE	DESCRIPTION	MANUFACTURER	MODEL NUMBER	OPTICAL ELEMENT	MOUNTING	VOLTS	LAMPS (PHILIPS OR EQUAL)
—	A2	2" LED LINEAR GRAZING FIXTURE, 10°x60° BEAM ANGLE, WHITE LIGHT	PHILIPS (COLOR KINETICS)	IW GRAZE POWERCORE-24"-10X60-4000K	ACRYLIC COVER	SURFACE INSIDE "BOX"	120	LED WITH VARIABLE COLOR TEMP. OF 2700K TO 4000K; MIN. 550 LUMENS PER FOOT
—	A3	3" LED LINEAR GRAZING FIXTURE, 10°x60° BEAM ANGLE, WHITE LIGHT	PHILIPS (COLOR KINETICS)	IW GRAZE POWERCORE-36"-10X60-4000K	ACRYLIC COVER	SURFACE INSIDE "BOX"	120	LED WITH VARIABLE COLOR TEMP. OF 2700K TO 4000K; MIN. 550 LUMENS PER FOOT
—	A4	4" LED LINEAR GRAZING FIXTURE, 10°x60° BEAM ANGLE, WHITE LIGHT	PHILIPS (COLOR KINETICS)	IW GRAZE POWERCORE-48"-10X60-4000K	ACRYLIC COVER	SURFACE INSIDE "BOX"	120	LED WITH VARIABLE COLOR TEMP. OF 2700K TO 4000K; MIN. 550 LUMENS PER FOOT

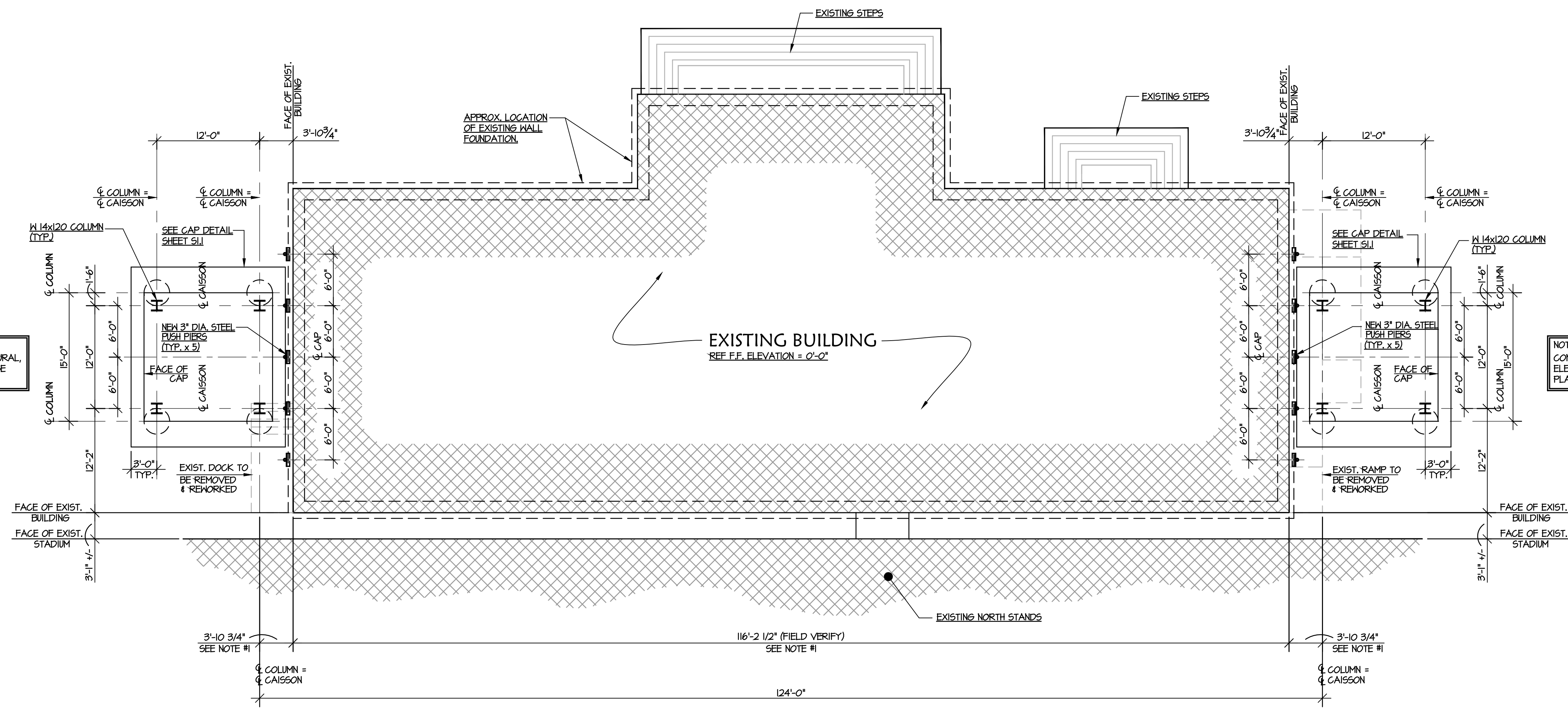


BEA BELKA ENGINEERING ASSOCIATES, INC.
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 EMAIL: CEStringfield@bellsouth.net

Revisions	
Revision	By

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S1.0	DEEP FOUNDATION PLANS
S1.1	FOUNDATION DETAILS
S1.2	RAMP & LOADING DOCK PLANS
S2.0	FIELD SIDE ELEVATION
S2.1	STREET SIDE ELEVATION
S2.2	END ELEVATIONS
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S2.4	STEEL FRAMING DETAILS
S3.0	LOAD TABLE & WIND DISTRIBUTION
S3.1	STRUCTURAL NOTES
S3.2	STRUCTURAL NOTES
S3.3	SPECIAL INSPECTIONS
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S4.2	STRUCTURAL MEMBER FORCES
S4.3	STRUCTURAL MEMBER FORCES

EXISTING SCOREBOARD NOTE:
 THE CONTRACTOR SHALL REMOVE THE EXISTING SCOREBOARD/VIDEO BOARD IN ITS ENTIRETY. THE STEEL COLUMN AND STEEL KICKERS SUPPORTING THE EXISTING STRUCTURE SHALL BE CUT 8 INCHES ABOVE THE EXISTING ROOF TO PREVENT DAMAGE TO THE ROOF AND 4 INCHES ABOVE THE SPEAKER CABINETS. ALL REMAINING STEEL STUBS (TUBES) SHALL BE CAPPED TO PREVENT TRAPPING WATER.
 THE CONTRACTOR SHALL INSTALL ADDITIONAL STRUCTURAL STEEL AS NECESSARY TO PROVIDE BACKUP SUPPORT TO ALLOW THE VIDEO BOARD PORTION OF THE EXISTING SCOREBOARD SUPPORT TO BE REMOVED INTACT AND SUITABLE FOR REUSE. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES (ELECTRICAL, ETC.) REGARDING UTILITY CONNECTIONS. THE CONTRACTOR WILL RECEIVE INSTRUCTIONS FROM THE OWNER'S REPRESENTATIVE REGARDING PLACEMENT OF OLD SCOREBOARD COMPONENTS.

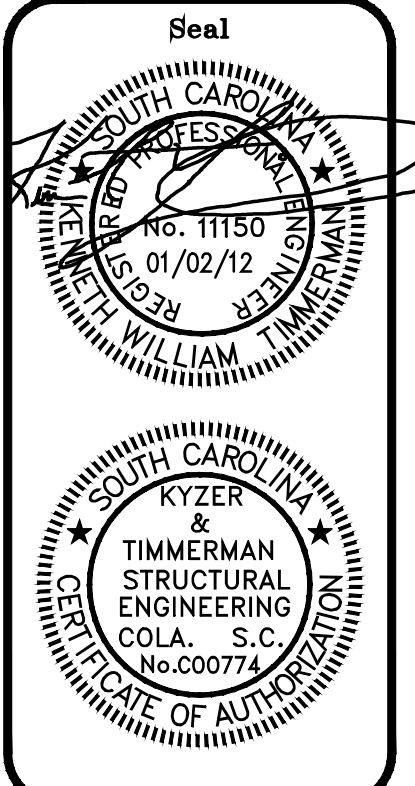


NOTE:
 CONTRACTOR SHALL COORDINATE W/ ARCHITECTURAL, ELECTRICAL, ETC. FOR NECESSARY CONDUIT TO BE PLACED IN FOOTINGS

NOTE:
 CONTRACTOR SHALL COORDINATE W/ ARCHITECTURAL, ELECTRICAL, ETC. FOR NECESSARY CONDUIT TO BE PLACED IN FOOTINGS

VIDEO BOARD FOUNDATION PLAN
 SCALE ===== 1/8"=1'-0"

NOTE:
 1. NEW VIDEO BOARD STRUCTURE TO BE CENTERED WITH EXISTING BUILDING.



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
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 COLUMBIA, SOUTH CAROLINA



Drawing Title:
FOUNDATION PLAN

Scale: **AS NOTED**

Job Number: **11-136**

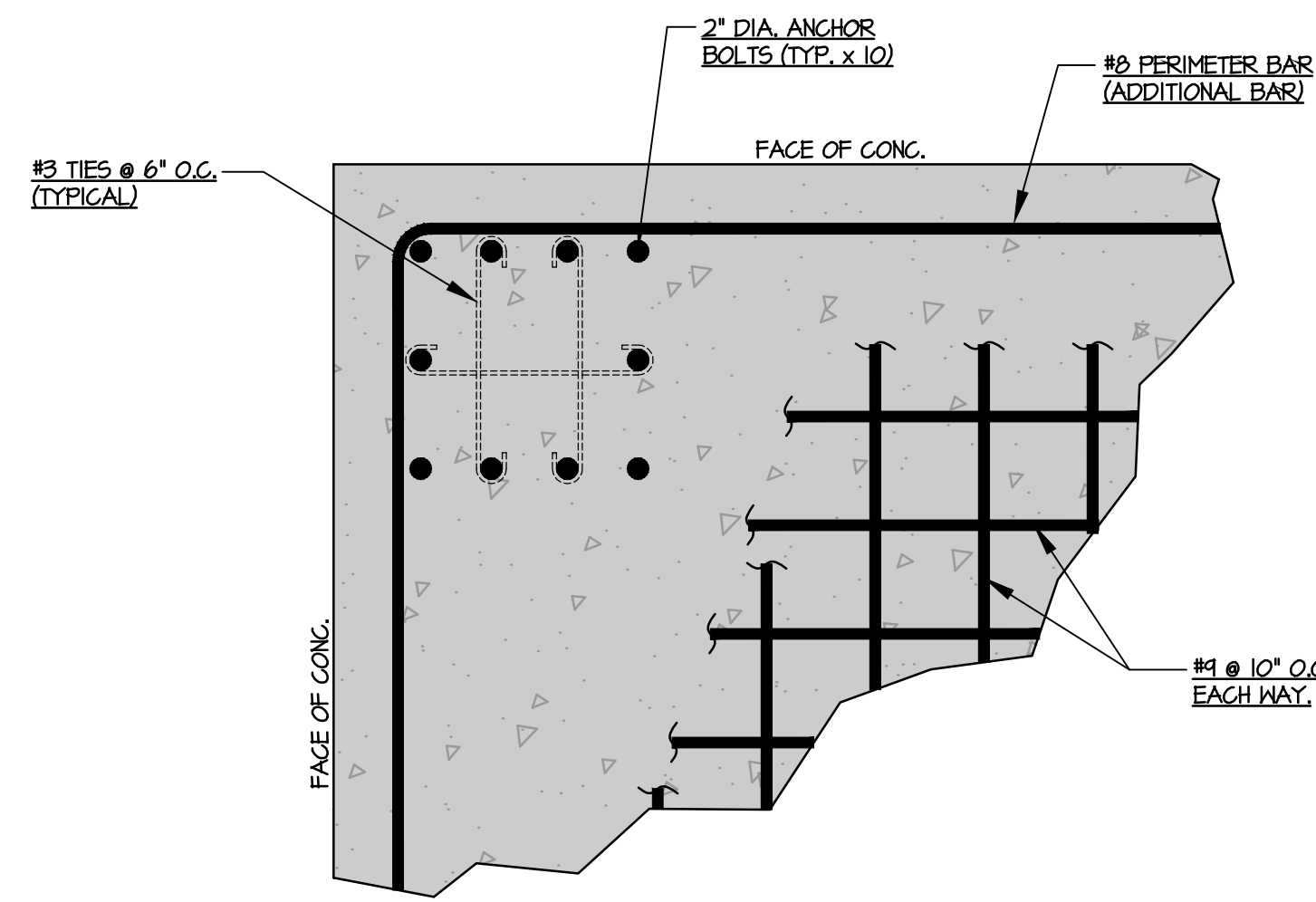
Designed By: **KWT**

Drawn By: **AGB**

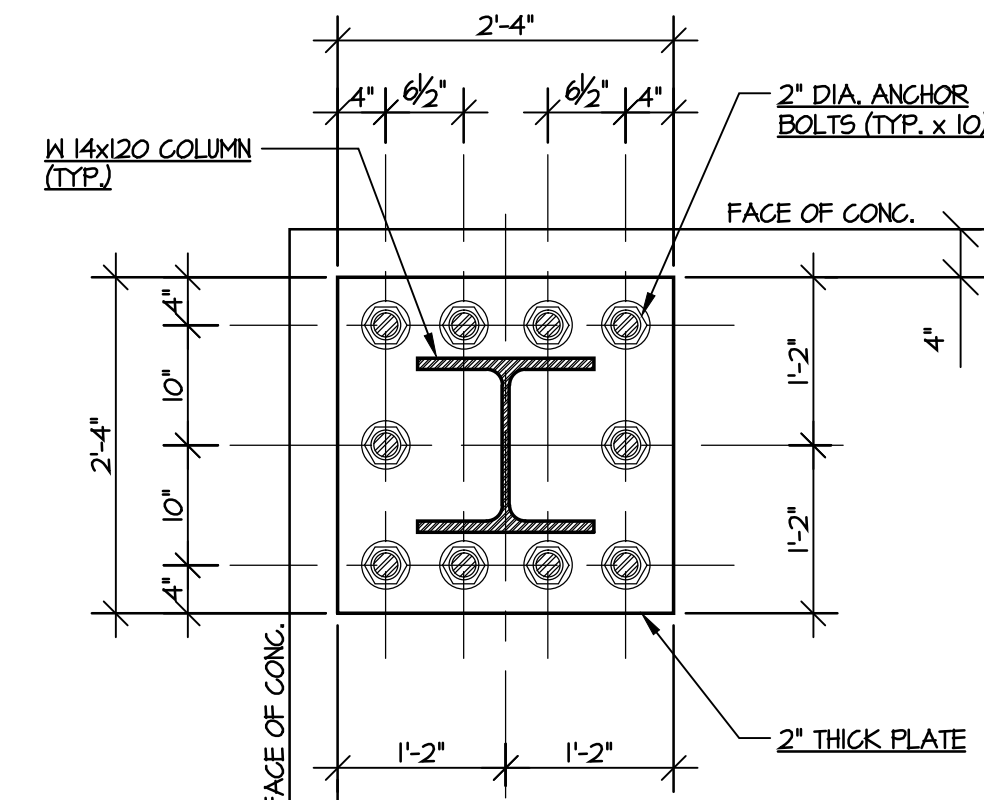
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Date: **January 02, 2012**

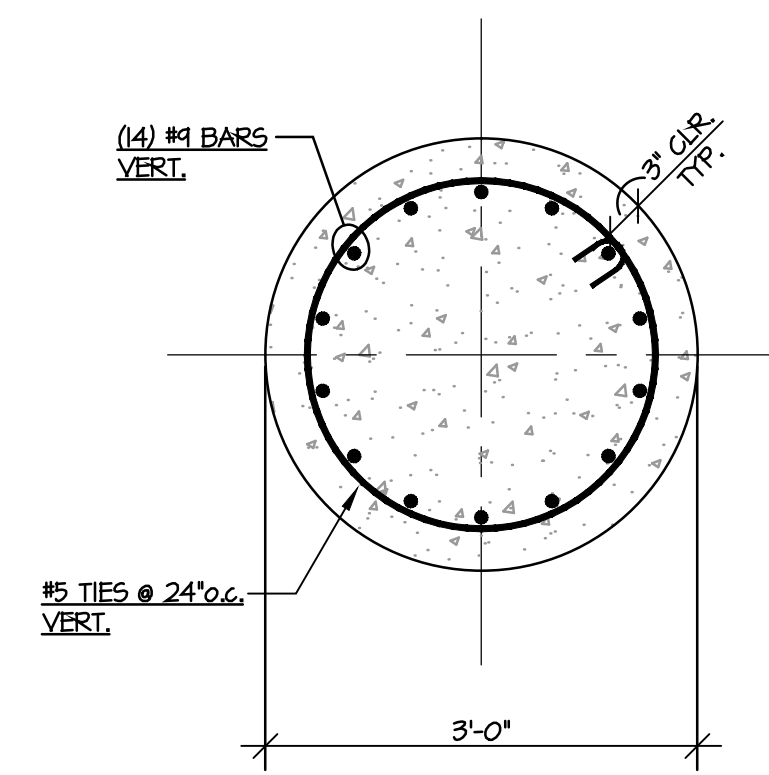
Sheet Number
S1.0
 STATE PROJECT NO: **II-27-0069-MJ**



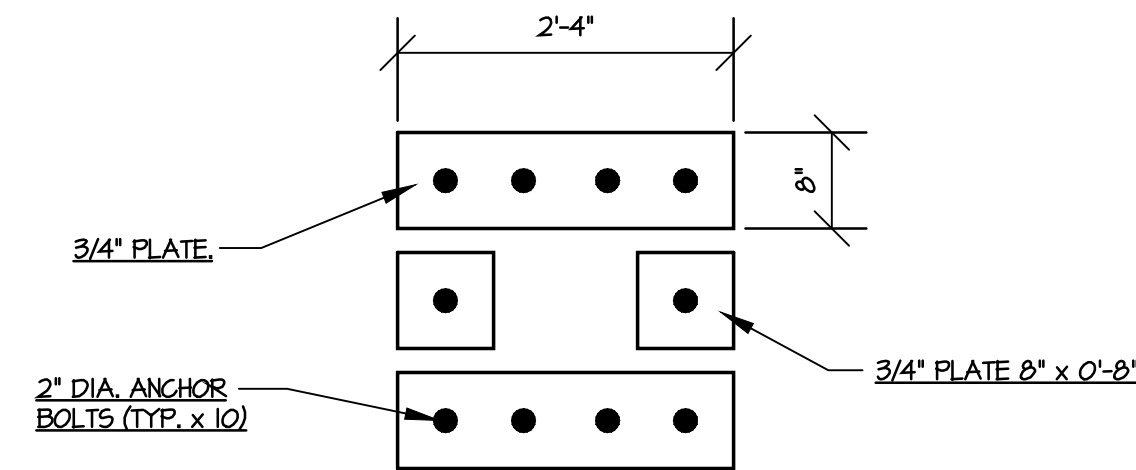
PLAN VIEW OF ANCHOR BOLTS AND PERIMETER #8 BAR
SCALE ===== 3/4"=1'-0"



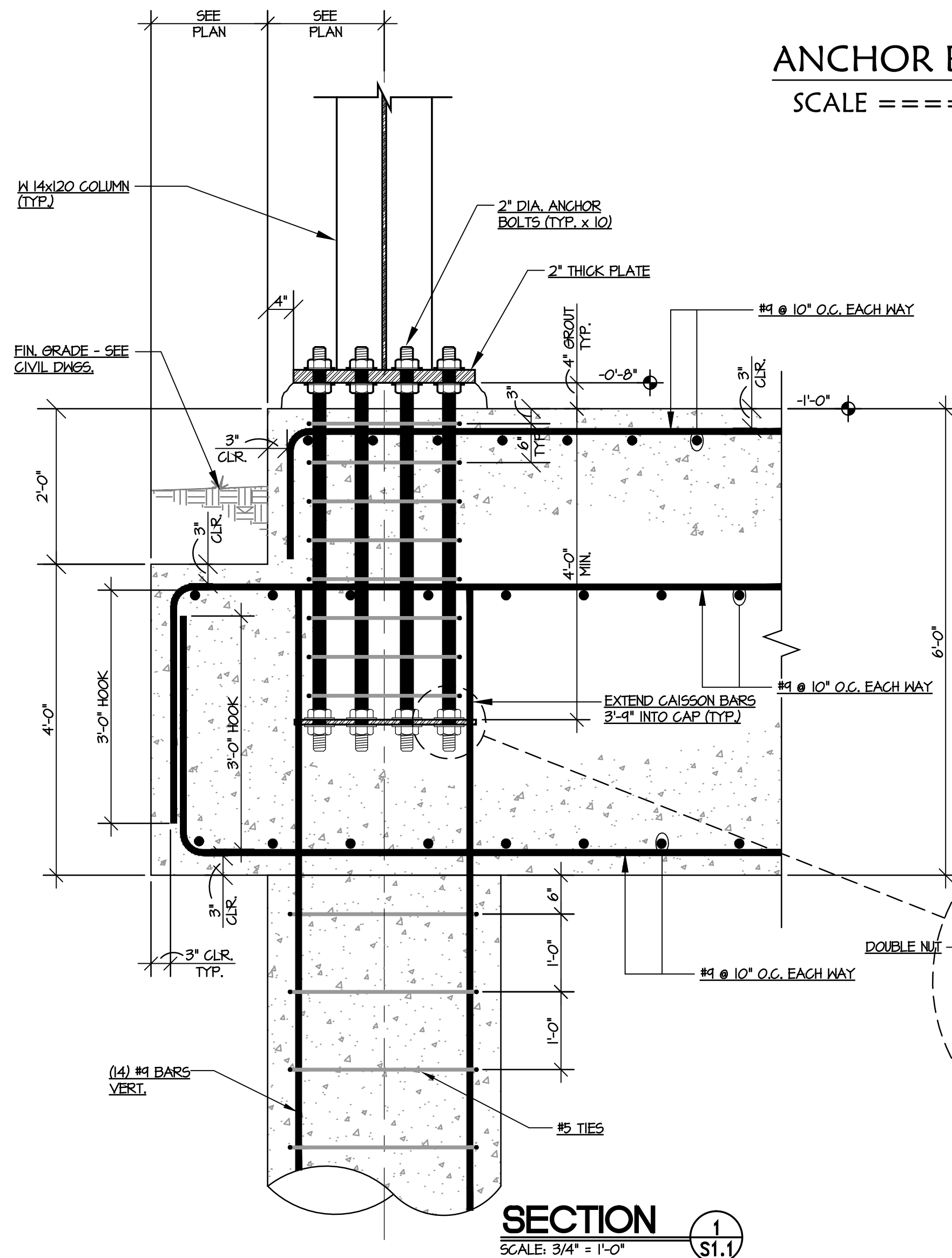
BASE PLATE @ W 14x120 VIDEO BOARD SUPPORTS
SCALE ===== 3/4"=1'-0"



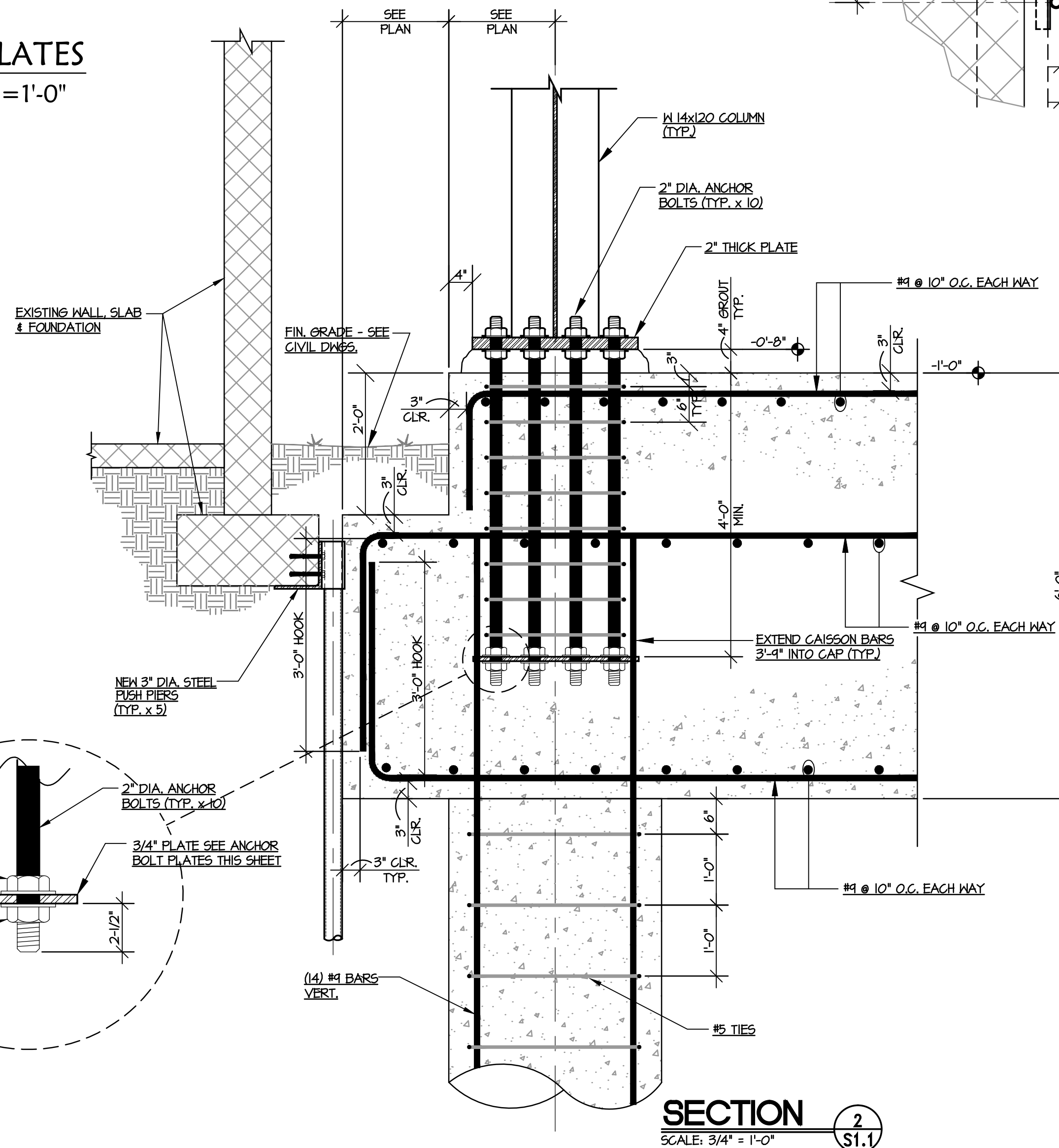
TYP. SECTION THRU 36" DIA. CAISSON
SCALE ===== 3/4"=1'-0"



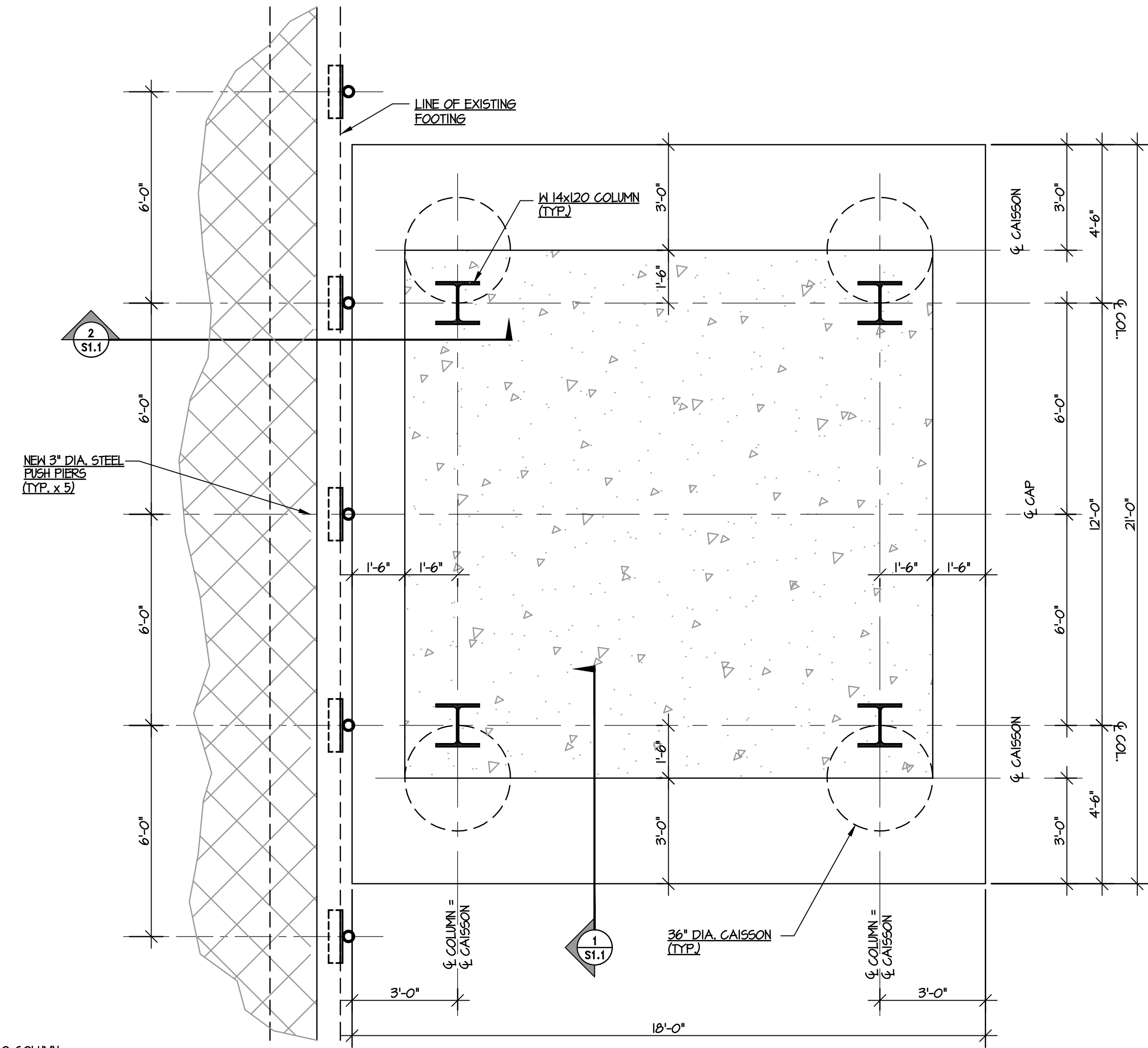
ANCHOR BOLT PLATES
SCALE ===== 3/4"=1'-0"



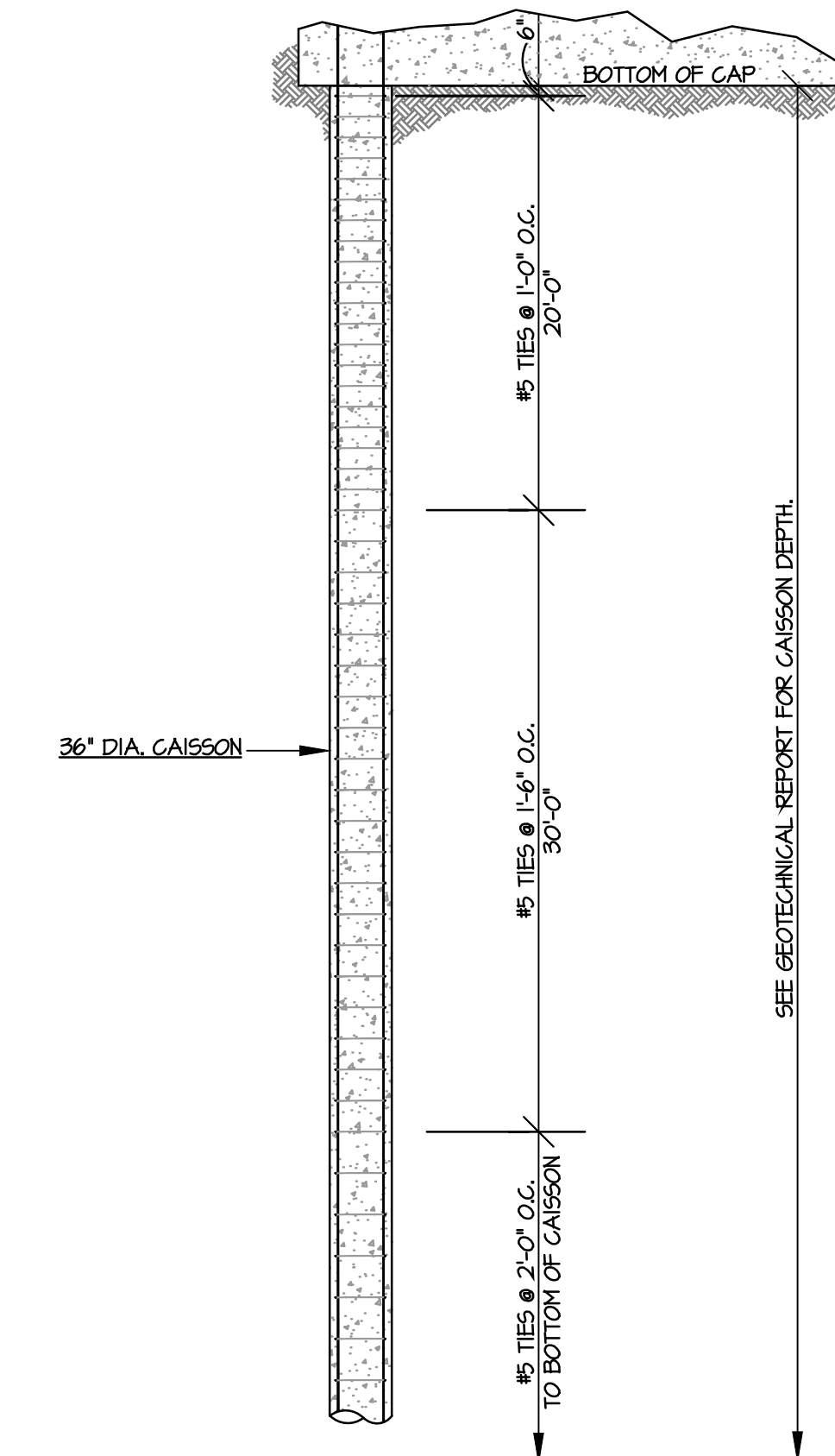
SECTION 1
SCALE: 3/4"=1'-0"



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

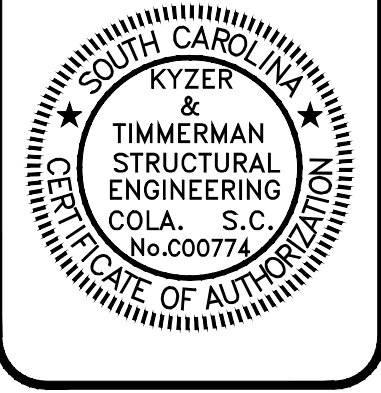
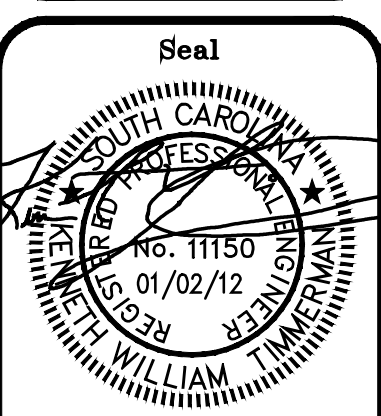


CAISSON CAP ENLARGED PLAN
SCALE ===== 3/8"=1'-0"

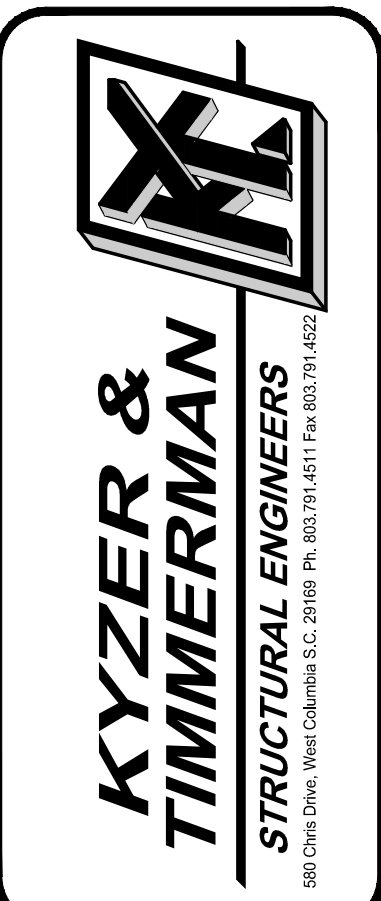


TIE SPACING
SCALE ===== 1/8"=1'-0"

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA COLUMBIA, SOUTH CAROLINA



Drawing Title:
FOUNDATION DETAILS

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

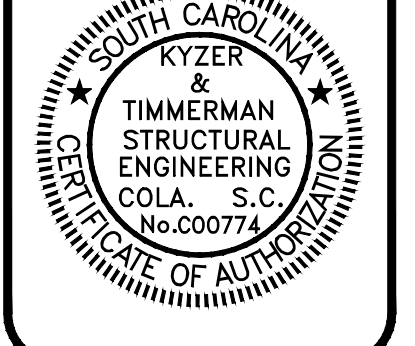
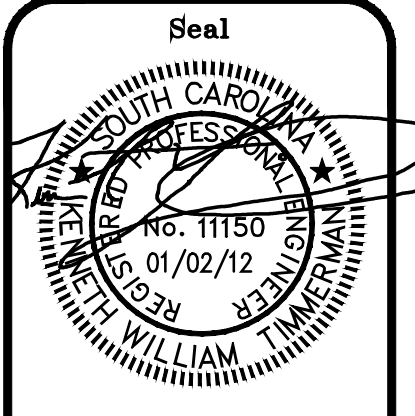
Drawn By: AGB

Checked By: DWS

Date: January 02, 2012

Sheet Number
S1.1
STATE PROJECT NO: E-27-0089-WJ

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA



Drawing Title:
RAMP & LOADING DOCK PLAN

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

Drawn By: AGB

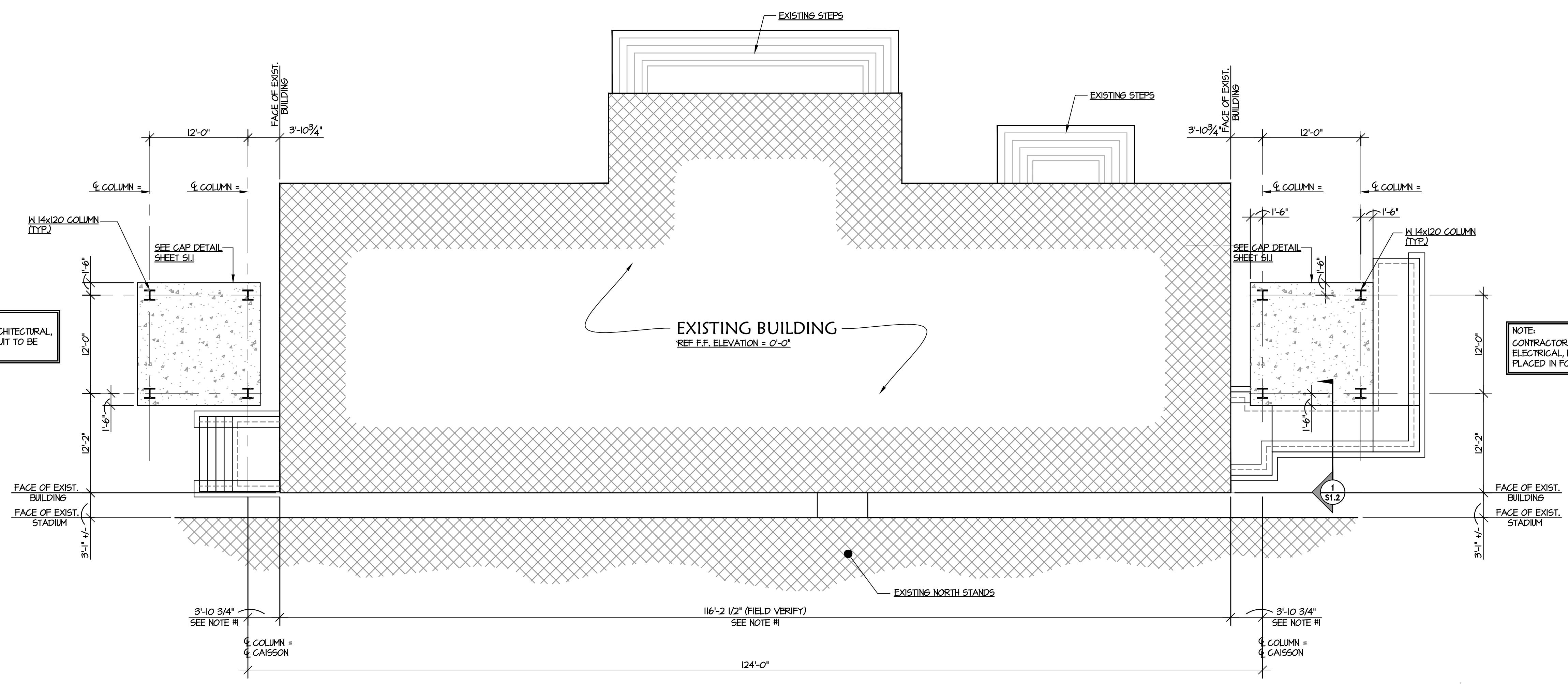
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Date: January 02, 2012

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S1.2
 STATE PROJECT NO: II-27-0069-MJ

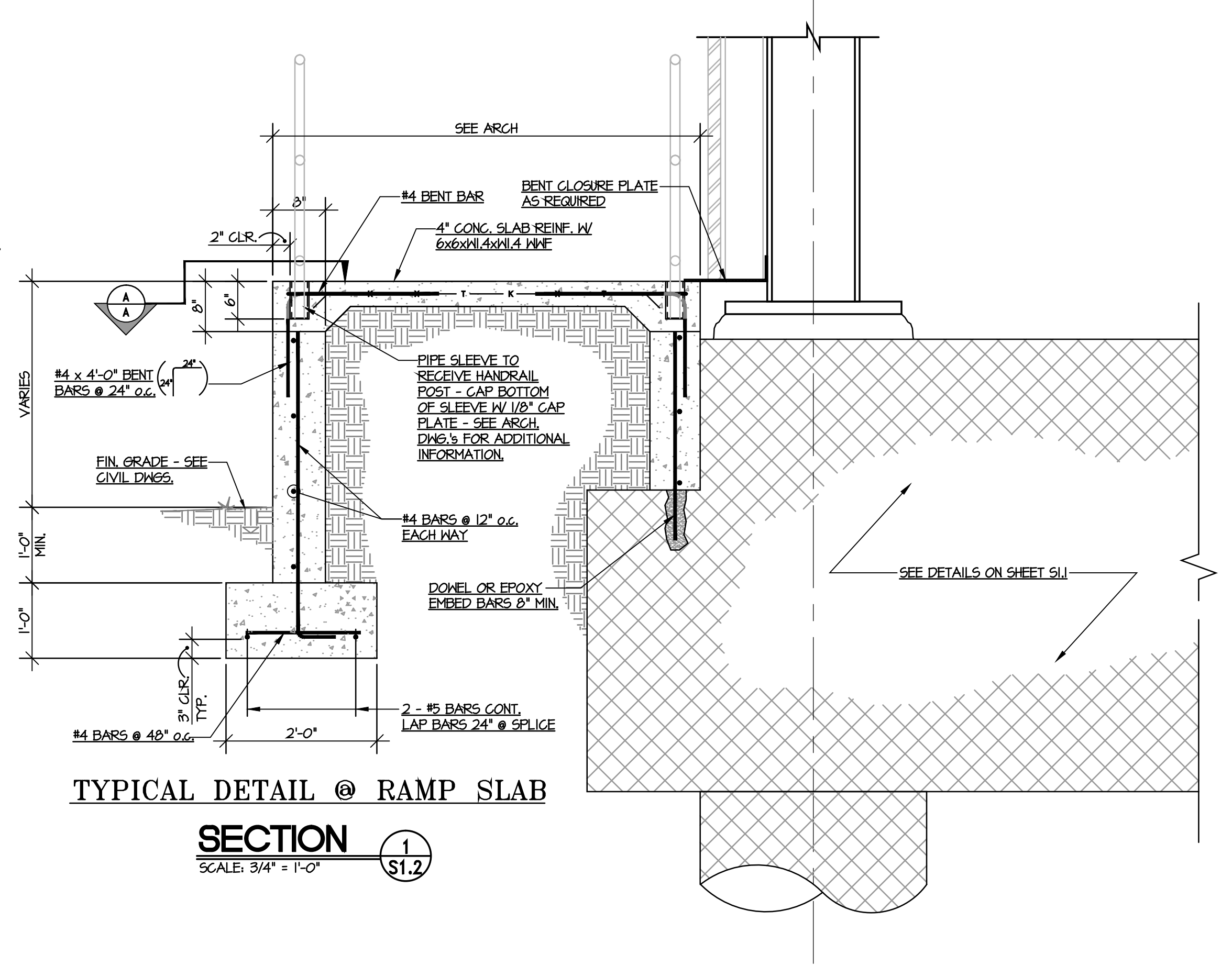
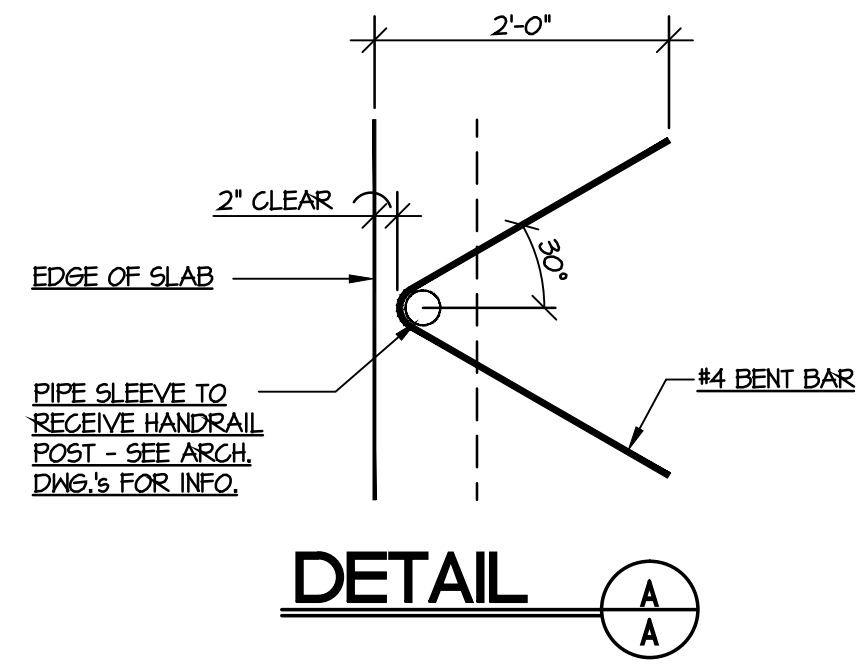
NOTE:
 CONTRACTOR SHALL COORDINATE W/ ARCHITECTURAL,
 ELECTRICAL, ETC. FOR NECESSARY CONDUIT TO BE
 PLACED IN FOOTINGS

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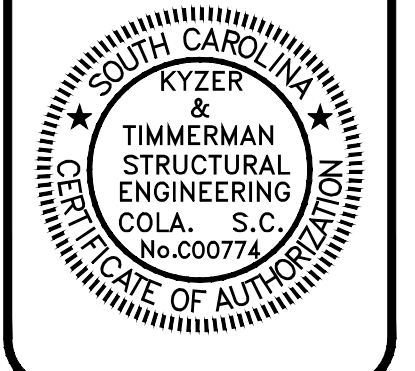
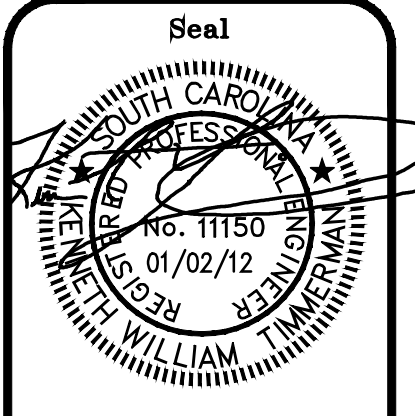
RAMP & LOADING DOCK PLAN
 SCALE ===== 1/8"=1'-0"

NOTE:
 1. NEW VIDEO BOARD STRUCTURE TO BE CENTERED WITH EXISTING BUILDING.



TYPICAL DETAIL @ RAMP SLAB
SECTION 1
 SCALE: 3/4" = 1'-0" S1.2

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA



Drawing Title:
FIELD SIDE ELEVATION

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

Drawn By: AGB

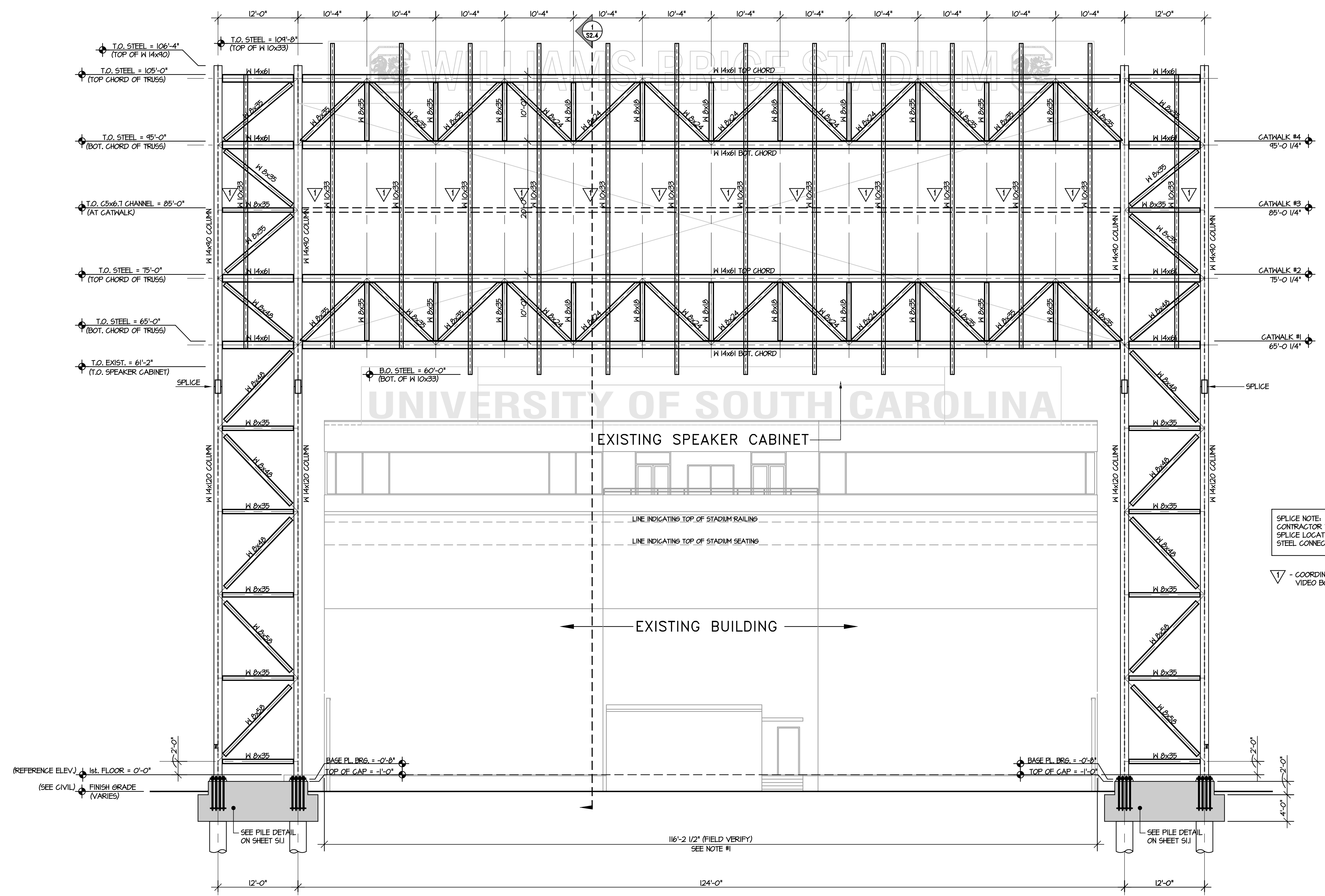
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Date: January 02, 2012

Sheet Number
S2.0
 STATE PROJECT NO: E-27-0069-MJ

6"x4" STEEL TUBE NOTE:
 ADDITIONAL STEEL TUBES FOR VIDEO BOARD ATTACHMENT ARE NOT SHOWN ON THIS PLAN FOR CLARITY. THE CONTRACTOR SHALL COORDINATE W/ VIDEO BOARD SUPPLIER FOR NUMBER OF, LOCATION & SPACING OF HORIZONTAL TUBES.

NOTE:
 ACCESS TO ALL CATWALKS TO BE ACHIEVED BY INSTALLING SHIPS LADDERS AS NEEDED. LOCATIONS TO BE COORDINATED WITH VIDEO BOARD SUPPLIER.



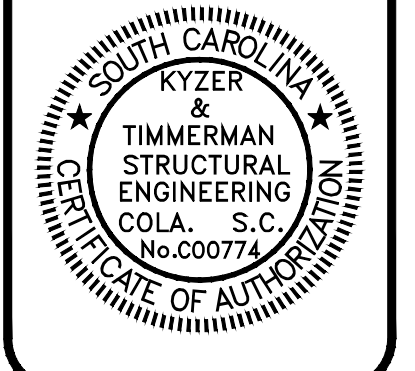
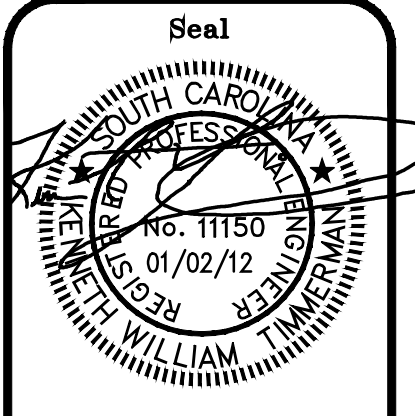
SPLICE NOTE:
 CONTRACTOR TO SUBMIT STRUCTURAL STEEL SPLICE LOCATION AND DESIGN AS PART OF STEEL CONNECTION SUBMITTAL.

▽ - COORDINATE STEEL BEAM LOCATION W/ VIDEO BOARD SUPPLIER & ARCH. DWG'S

FIELD VIEW
 SCALE ===== 1/8" = 1'-0"

NOTE:
 1. NEW VIDEO BOARD STRUCTURE TO BE CENTERED WITH EXISTING BUILDING.

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA



Drawing Title:
STREET SIDE ELEVATION

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

Drawn By: AGB

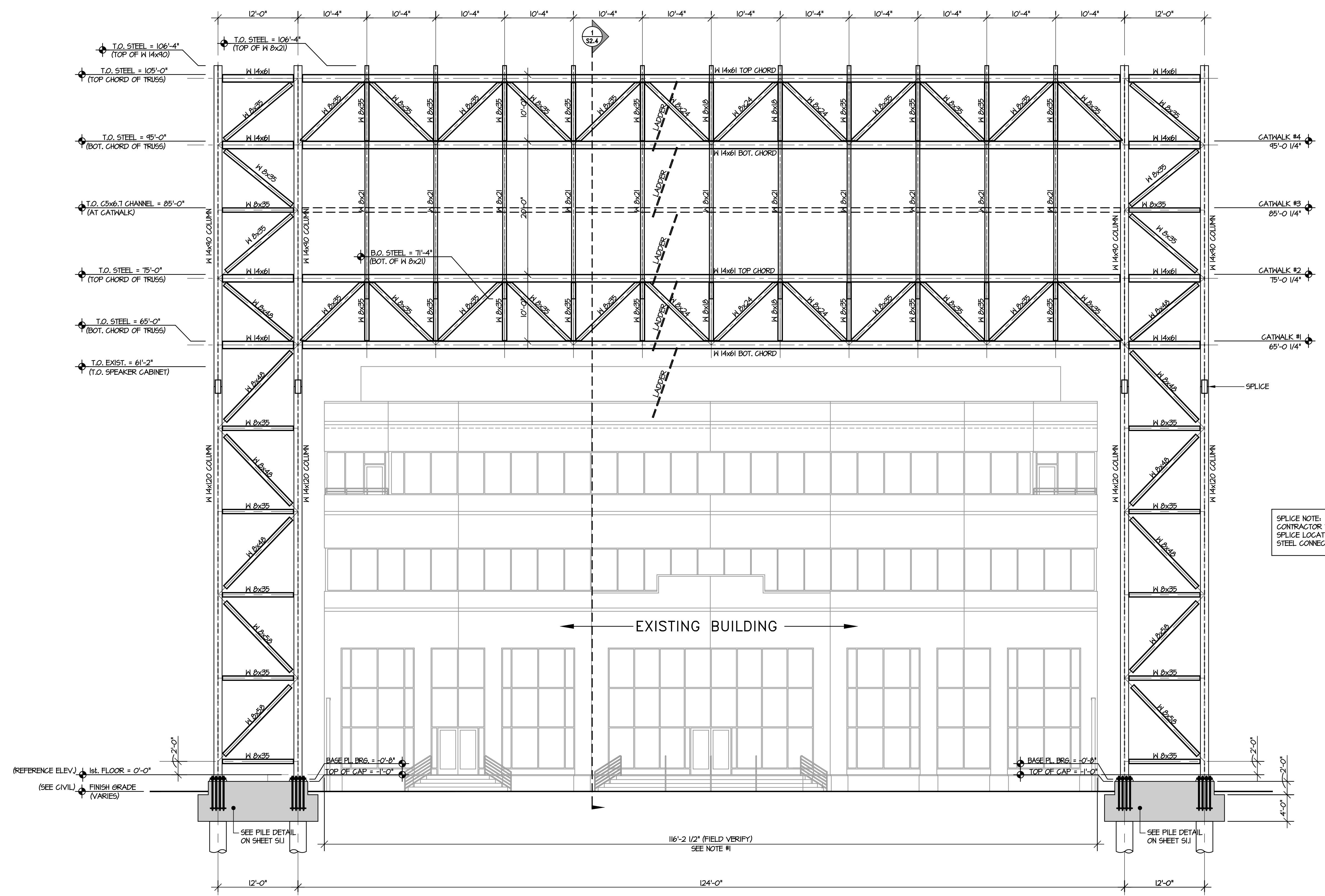
Checked By: DWS

Date: January 02, 2012

Sheet Number
S2.1
 STATE PROJECT NO: II-27-0069-MJ

6"x4" STEEL TUBE NOTE:
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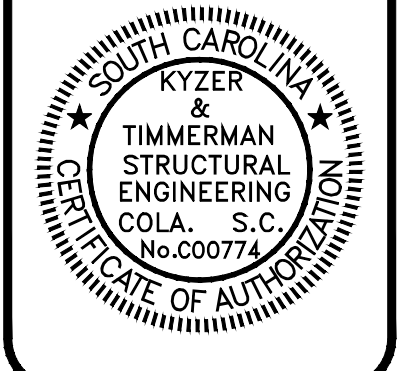
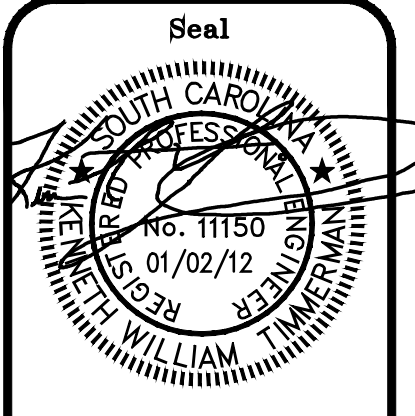
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STREET SIDE ELEVATION
 SCALE ===== 1/8" = 1'-0"

NOTE:
 1. NEW VIDEO BOARD STRUCTURE TO BE CENTERED WITH EXISTING BUILDING.

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA



Drawing Title:
EAST & WEST ELEVATIONS

Scale: AS NOTED

Job Number: 11-136

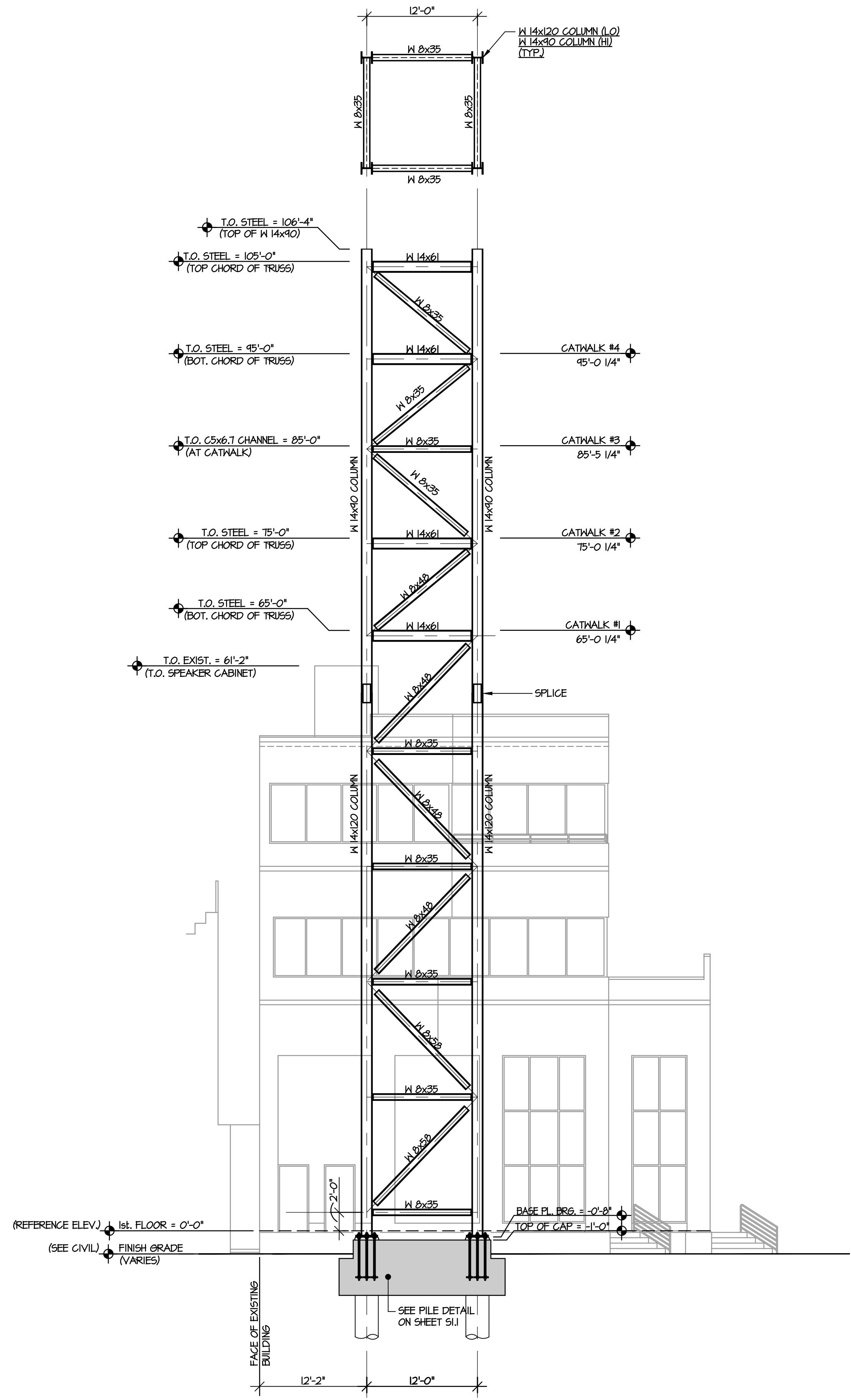
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Drawn By: AGB

Checked By: DWS

Date: January 02, 2012

Sheet Number
S2.2
 STATE PROJECT NO: II-27-0069-M

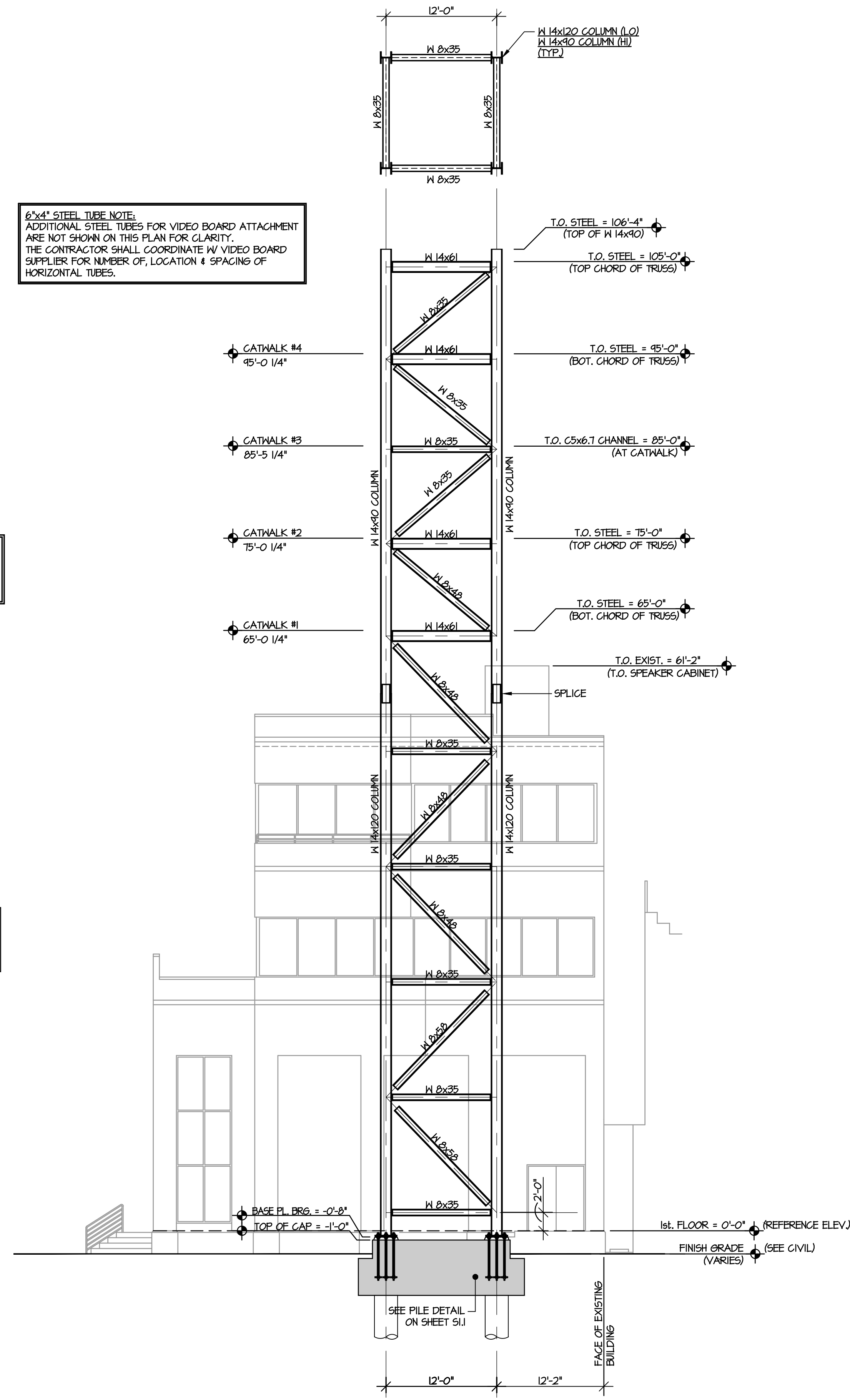


EAST SIDE ELEVATION
 SCALE ===== 1/8"=1'-0"

6"x4" STEEL TUBE NOTE:
 ADDITIONAL STEEL TUBES FOR VIDEO BOARD ATTACHMENT ARE NOT SHOWN ON THIS PLAN FOR CLARITY. THE CONTRACTOR SHALL COORDINATE W/ VIDEO BOARD SUPPLIER FOR NUMBER OF, LOCATION & SPACING OF HORIZONTAL TUBES.

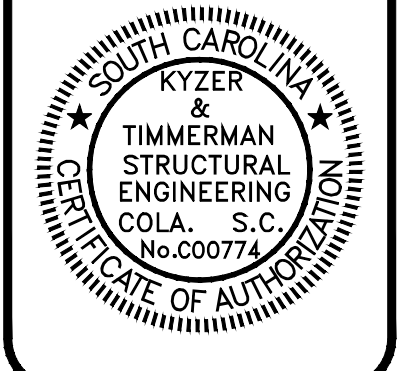
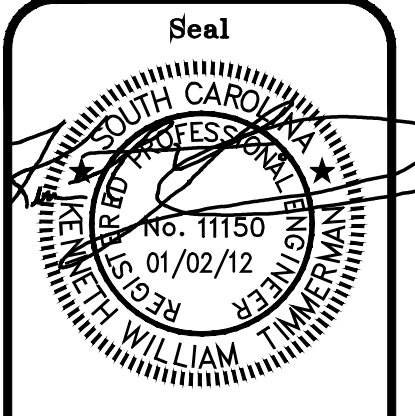
NOTE:
 ACCESS TO ALL CATHALKS TO BE ACHIEVED BY INSTALLING SHIPS LADDERS AS NEEDED. LOCATIONS TO BE COORDINATED WITH VIDEO BOARD SUPPLIER.

SPLICE NOTE:
 CONTRACTOR TO SUBMIT STRUCTURAL STEEL SPLICE LOCATION AND DESIGN AS PART OF STEEL CONNECTION SUBMITTAL.



WEST SIDE ELEVATION
 SCALE ===== 1/8"=1'-0"

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA



Drawing Title:
TRUSS & CATWALK FRAMING PLANS

Scale: AS NOTED

Job Number: 11-136

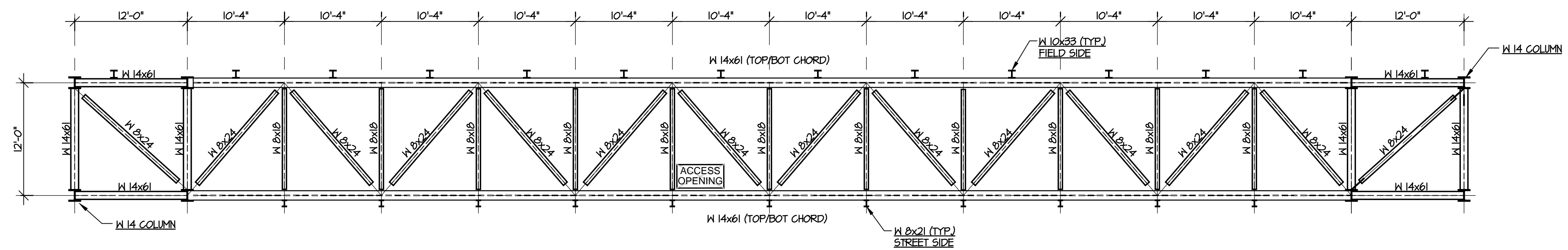
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Drawn By: AGB

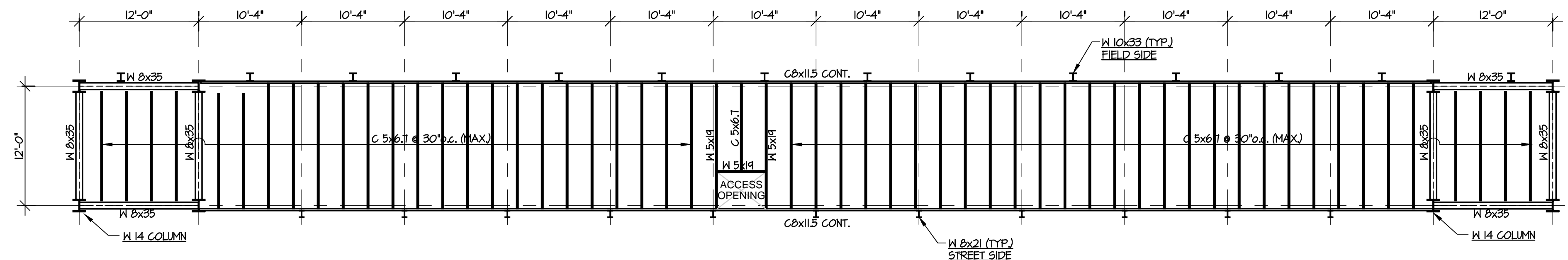
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Date: January 02, 2012

Sheet Number
S2.3
 STATE PROJECT NO: II-27-0069-M

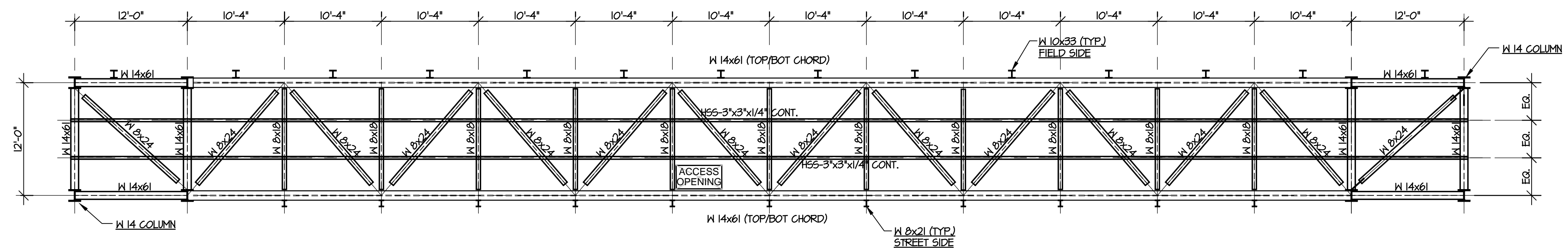


FRAMING PLAN @ LO ROOF
 SCALE ===== 1/8"=1'-0"



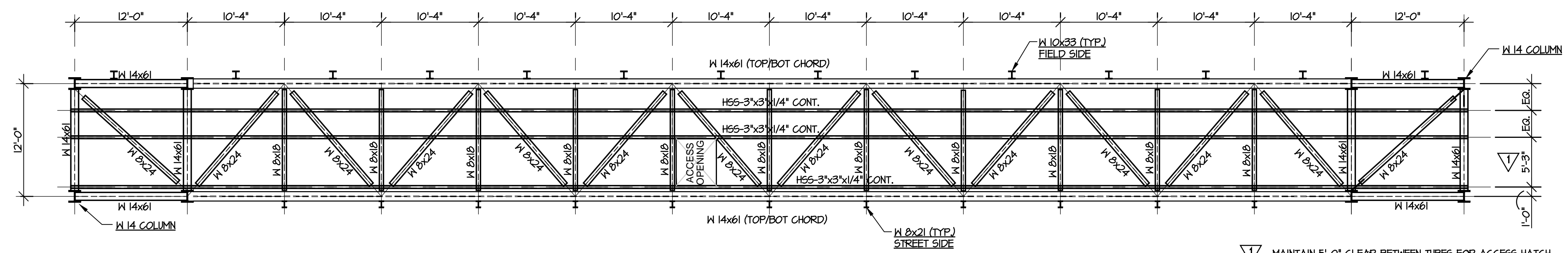
FRAMING PLAN @ CATWALK # 3
 SCALE ===== 1/8"=1'-0"

6"x4" STEEL TUBE NOTE:
 ADDITIONAL STEEL TUBES FOR VIDEO BOARD ATTACHMENT ARE NOT SHOWN ON THIS PLAN FOR CLARITY. THE CONTRACTOR SHALL COORDINATE W/ VIDEO BOARD SUPPLIER FOR NUMBER OF, LOCATION & SPACING OF HORIZONTAL TUBES.



PLAN @ TOP OR BOTTOM CHORD OF TRUSS & CATWALKS # 2 & 4
 SCALE ===== 1/8"=1'-0"

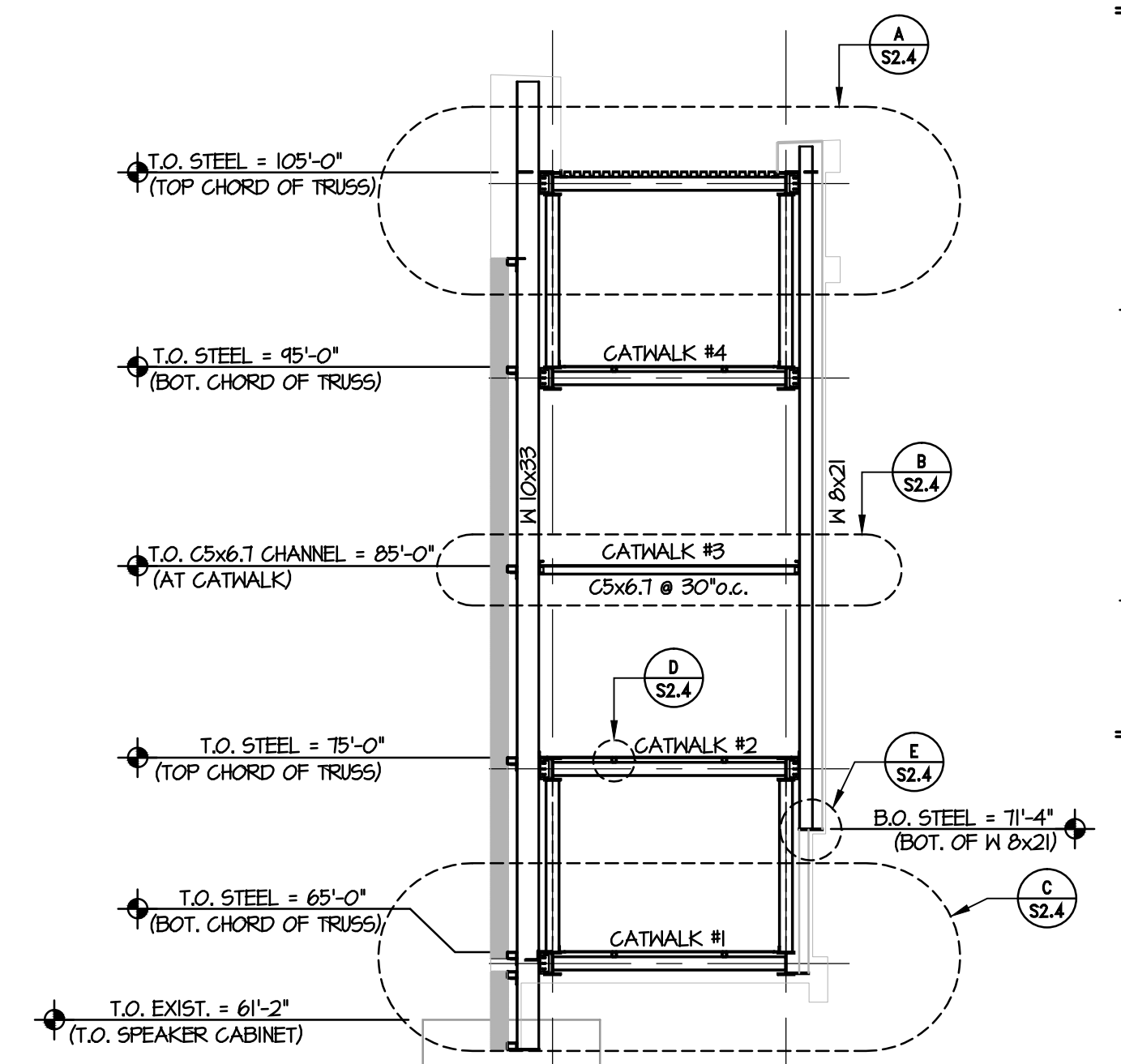
NOTE:
 ACCESS TO ALL CATWALKS TO BE ACHIEVED BY INSTALLING SHIPS LADDERS AS NEEDED. LOCATIONS TO BE COORDINATED WITH VIDEO BOARD SUPPLIER.



PLAN @ TOP OR BOTTOM CHORD OF TRUSS & CATWALK # 1
 SCALE ===== 1/8"=1'-0"

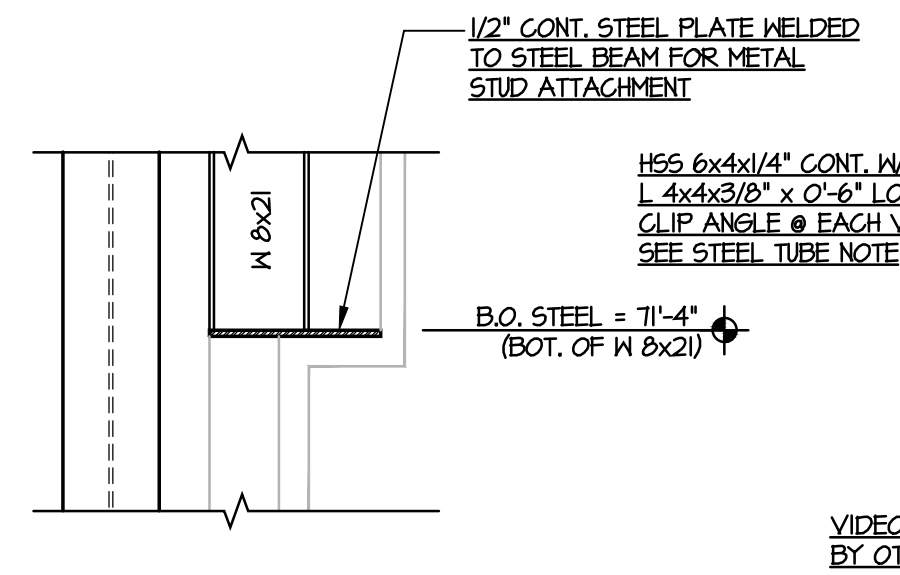
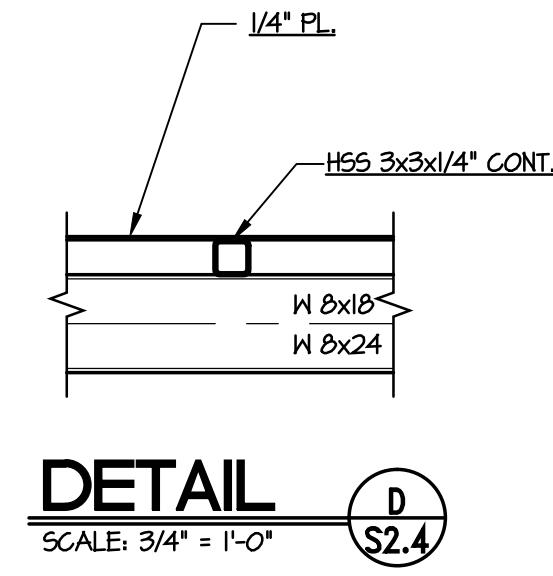
▽ - MAINTAIN 5'-0" CLEAR BETWEEN TUBES FOR ACCESS HATCH TO ROOF OF FLOYD BUILDING. SEE ARCH DETAILS.

METAL STUD NOTE:
 THE METAL STUD SYSTEM (STUDS, CLIPS, TRACKS, BRACING, ANCHORS, LINTELS, SCREWS, ETC.) SHALL BE DESIGNED BY A REGISTERED ENGINEER IN THE PROJECT STATE AND SUBMITTED FOR APPROVAL TO THE ARCHITECT AND ENGINEER OF RECORD.

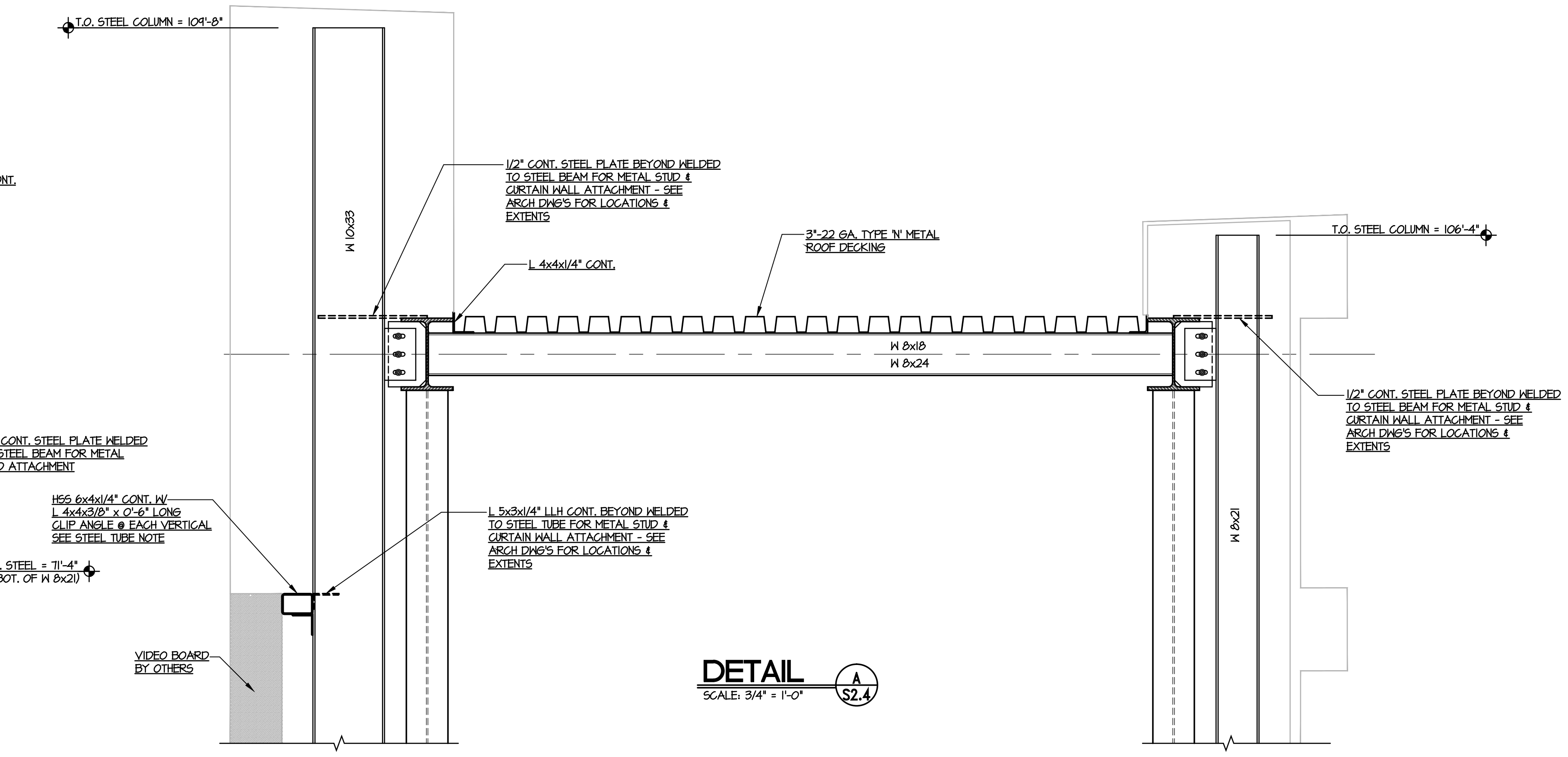


SECTION THRU EXISTING BUILDING AND NEW VIDEO BOARD
 SCALE: 1/8" = 1'-0"

SECTION 1 S2.4



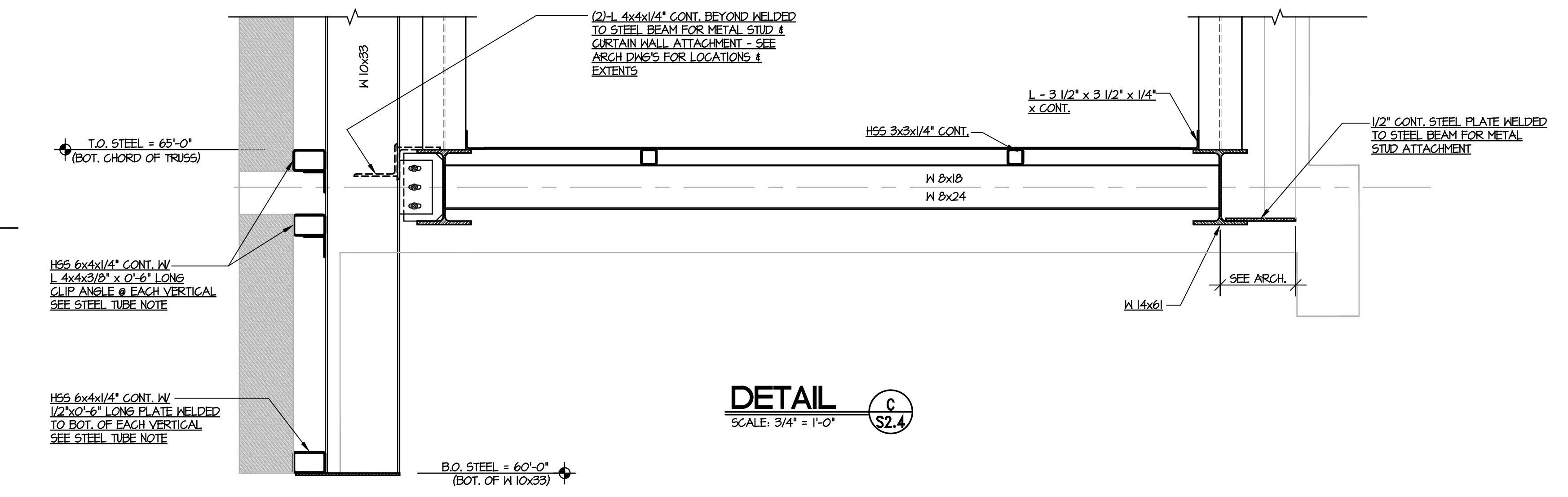
DETAIL E S2.4



DETAIL A S2.4



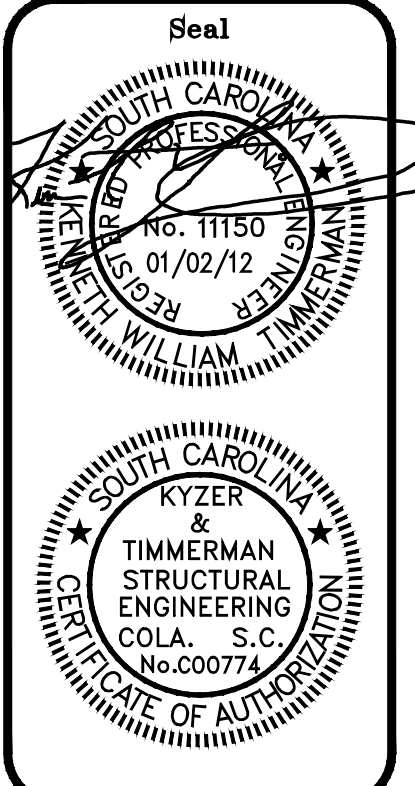
DETAIL B S2.4



DETAIL C S2.4

6"x4" STEEL TUBE NOTE:
 THE CONTRACTOR SHALL COORDINATE W/ VIDEO BOARD SUPPLIER FOR NUMBER OF, LOCATION & SPACING OF HORIZONTAL TUBES.

Revisions	
Revision	By



Job Title:
 WILLIAMS-BRICE STADIUM
 VIDEO BOARD SUPPORT CONSTRUCTION
 UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA



Drawing Title:
 STEEL FRAMING SECTIONS

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

Drawn By: AGB

Checked By: DWS

Date: January 02, 2012

Sheet Number
S2.4
 STATE PROJECT NO: II-27-0069-MJ

LOAD TABLE
2006 INTERNATIONAL BUILDING CODE AND ASCE 7-05

LIVE LOADS:

1. FLOOR LOADS: (ASCE Table 4-1)

A. Catwalks = 40 p.s.f.

B. Ladders:
Ships Ladders W/ Treads = 100 p.s.f.
Ladders W/ Rungs = 300 lb Conc.

2. ROOF LOADS:
A. Basic roof live load = 20 p.s.f.

Note: It shall be unlawful to place, cause or permit to be placed, on any floor or roof of a building, structure, or portion thereof, a load greater than is permitted by these requirements. (per IBC 1603.2)

DEAD LOADS:

1. USE ACTUAL DEAD LOADS OF MATERIALS

SNOW LOADS:

GROUND SNOW LOAD - $P_g = 10$ p.s.f. (ASCE Figure 7-1)
SNOW LOAD IMPORTANCE FACTOR - $I_s = 1.0$ (ASCE Table 7-4)
SNOW EXPOSURE FACTOR - $C_e = 0.9$ (ASCE Table 7-2)
THERMAL FACTOR - $C_t = 1.2$ (ASCE Table 7-3)
FLAT-ROOF SNOW LOAD - $P_f = 8$ p.s.f. (ASCE Section 7.3)

WIND LOADS:

BASIC WIND SPEED (3-SECOND GUST) = 100 (mph) (ASCE Figure 6-1)
BUILDING CATEGORY = II (ASCE Table 1-1)
WIND IMPORTANCE FACTOR - $I_w = 1.0$ (ASCE Table 6-1)
WIND EXPOSURE = C (ASCE Section 6.5.6)
WIND BORN DEBRIS - NO
If yes, exterior windows and doors shall have debris protection per IBC 1609.1.2.

INTERNAL PRESSURE COEFFICIENT
Enclosed Building +/- 0.18 (ASCE Figure 6-5)

1. DESIGN WIND PRESSURES:
A. Main Windforce Resisting System = 39 psf (ASCE Section 6.5.12.2)
B. Components and Cladding (ASCE Section 6.5.12.4)

The wind pressures (and associated DP ratings) indicated below are considered as the minimum unless otherwise specified by code.

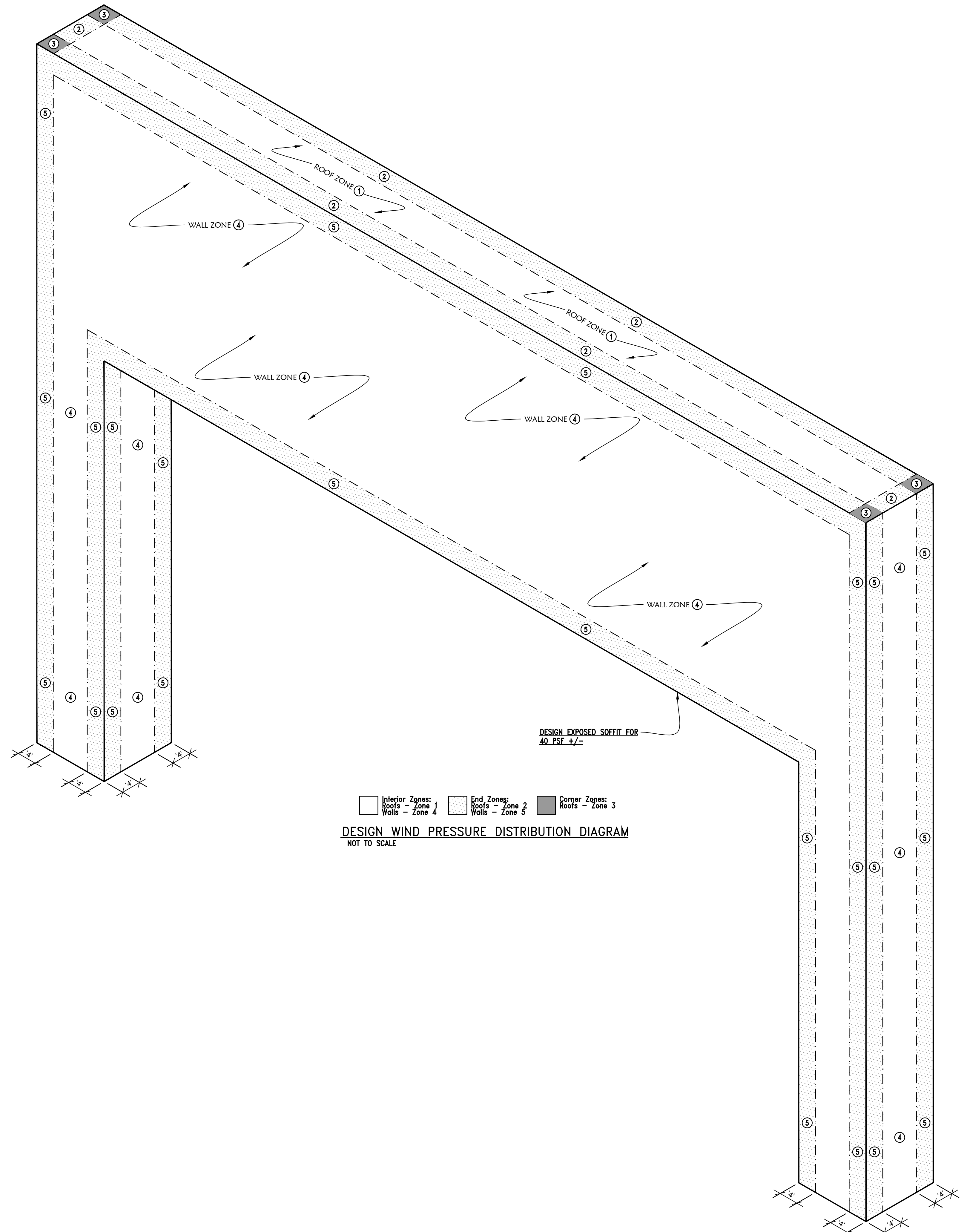
ZONE	PRESSURE	SUCTION
ROOF ZONE ①	N/A	-35.4 PSF
ROOF ZONE ②	N/A	-57.0 PSF
ROOF ZONE ③	N/A	-78.7 PSF
WALL ZONE ④	25.1 PSF	-26.9 PSF
WALL ZONE ⑤	25.1 PSF	-41.6 PSF

a = width of pressure coeff. zone = 4'
Roof Net Uplift = (Zone Suction Reduced by Dead Load)
NOTE: SEE DESIGN WIND PRESSURE DISTRIBUTION DIAGRAM.

SEISMIC LOADS:

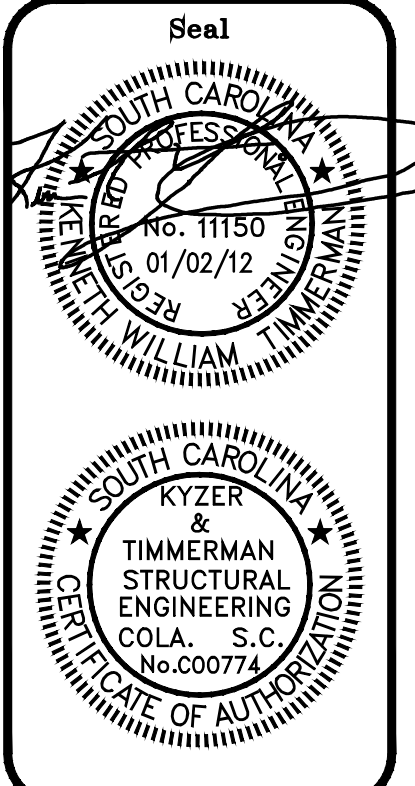
SITE CLASS - D (ASCE Chapter 20)
SPECTRAL RESPONSE ACCELERATIONS (ASCE Figure 22-1 & 22-2)
 $S_s = 0.55$ $S_1 = 0.15$
SPECTRAL RESPONSE COEFFICIENTS (ASCE Section 11.4.4)
 $S_{ds} = 0.50$ $S_{d1} = 0.22$
SEISMIC IMPORTANCE FACTOR - $I_e = 1.0$ (ASCE Table 11.5-1)
SEISMIC DESIGN CATEGORY = D (ASCE Table 11.6-1 & 11.6-2)
BASIC SEISMIC-FORCE RESISTING SYSTEM = (ASCE Table 12.2-1)
SPECIAL STEEL TRUSS MOMENT FRAMES
SEISMIC RESPONSE COEFFICIENT - $C_s = .071$ (ASCE Section 12.8.1.1)
RESPONSE MODIFICATION FACTOR - $R = 7$ (ASCE Table 12.2-1)
DESIGN BASE SHEAR - 22 KIPS (ASCE Section 12.8)
ANALYSIS PROCEDURE - EQUIVALENT FORCE METHOD

Much of the information presented in this load table originates from the applicable building code(s). The structural design for systems such as metal studs, exterior doors, windows, skylights, roofing systems, etc. will likely be more complicated and more building specific than indicated in this table. Designers and suppliers must refer to the applicable building codes, site conditions and architectural drawings to adequately design and / or specify their individual components and systems.



Revisions

Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



Drawing Title:
LOAD TABLE & WIND DISTRIBUTION

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

Drawn By: AGB

Checked By: DWS

Date: January 02, 2012

Sheet Number
S3.0
STATE PROJECT NO: II-27-0069-MJ

METAL DECKING:

1. SHOP DRAWING NOTE: THIS NOTE IS DIRECTED TO THE CONTRACTOR, STEEL SUPPLIERS AND DETAILERS FOR STRUCTURAL AND MISCELLANEOUS STEEL, DECKING, JOISTS AND JOIST GIRDERS.

THE DETAILERS/ SUPPLIERS SHALL BE PROVIDED A FULL SET OF CONSTRUCTION DOCUMENTS (INCLUDING ADDENDUMS AND SPECIFICATIONS) BY THE CONTRACTOR FOR THEIR USE IN ORDER TO PROPERLY DETAIL THE PROJECT. DECK EDGES, DIMENSIONS, TOP OF STEEL, SLOPES, ARE CONTROLLED BY THE ARCHITECTURAL DRAWINGS.

THE CONTRACTOR SHALL ANSWER QUESTIONS, IN THE SHOP DRAWINGS, INDICATED TO THE (CONTRACTOR) AND/OR (APPROVER) OR SIMILAR DESIGNATION.

KYZER AND TIMMERMAN WILL RESPOND TO CLOUDED QUESTIONS, IN THE SHOP DRAWINGS PROCESS, DIRECTED TO THE (ENGINEER OF RECORD) OR SIMILAR DESIGNATION.

IT IS RECOMMENDED THAT THE DETAILER USE APPROPRIATE DESIGNATIONS FOR THE ARCHITECT, CIVIL ENGINEER, MECHANICAL ENGINEER, ELECTRICAL ENGINEER, ETC.

IT IS IMPORTANT FOR THE CONTRACTOR TO REVIEW THE SHOP DRAWINGS FROM HIS DETAILERS AND TO PROVIDE THE NECESSARY COORDINATION BETWEEN THE STEEL, JOISTS AND DECKING SHOP DRAWINGS PRIOR TO SUBMITTING TO THE DESIGN TEAM. SHOP DRAWINGS SUBMITTED TO THE DESIGN TEAM WITHOUT THE CONTRACTORS REVIEW ARE SUBJECT TO BE RESUBMITTED, REJECTED OR OTHER SIMILAR ACTION MAY BE TAKEN BY THE ARCHITECT AND/OR ENGINEER.

2. THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS SHOWING BEAMS, JOISTS, BRIDGING, DECKING (INCLUDING TEMPORARY SHORING) AND ALL CONNECTIONS. THESE SHOP DRAWINGS SHALL BE SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE PROJECT STATE. AS PART OF SHOP DRAWINGS, STEEL FABRICATOR SHALL SUPPLY EMBEDDED STEEL PLATE AND BRACKET LOCATION DRAWINGS. THE STRUCTURAL DRAWINGS ARE NOT TO BE REPRODUCED FOR SHOP DRAWINGS, SECTION SHEETS OR ERECTION PLANS. SUBMIT AN AMPLI NUMBER OF SETS OF SHOP DRAWINGS TO ALLOW FOR EACH DESIGN PROFESSIONAL TO RETAIN A SET FOR THE FILE. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, AND ERECTION PROCEDURES PRIOR TO ARCHITECT & STRUCTURAL ENGINEER'S REVIEW. AMPLI TIME, AS DETERMINED BY THE STRUCTURAL ENGINEER, SHALL BE ALLOTTED FOR HIS REVIEW OF SHOP DRAWINGS. THE CONTRACTOR MAY ISSUE SHOP DRAWINGS EARLY TO ALLOW FOR ADDITIONAL FABRICATION TIME. THE MEMBERS OF THE DESIGN TEAM SHALL RECEIVE A FINAL SET OF SHOP DRAWINGS STAMPED (FINAL SHOP DRAWINGS - FILE SET) WHICH INCORPORATES ANY COMMENTS MADE DURING THE SHOP DRAWING PROCESS AND SHALL BE STAMPED BY A REGISTERED ENGINEER REGISTERED IN THE PROJECT STATE.

3. DECKING CONTRACTOR TO COORDINATE OPENING SIZES AND LOCATIONS FROM ARCHITECTURAL AND MECHANICAL DRAWINGS. METAL DECK SHALL CONFORM TO ASTM A446 AND A525.

4. ALL METAL ROOF DECKING SHALL BE 3" - TYPE "N" - 22 GAUGE (GALVANIZED).

ALL 3" 22 GAUGE VULCRAFT TYPE 3022 GALVANIZED ROOF DECK (SEE PLAN FOR LOCATIONS) TO BE INSTALLED WITH A 2414 FASTENER PATTERN AT ALL END AND INTERMEDIATE SUPPORTS WITH A MIN. OF 8 SIDE LAP FASTENERS. SIDE LAP FASTENERS TO BE #10 TEK SCREWS.

5. PROVIDE 4 X 4 X 1/4 ANGLE SURROUNDING ALL METAL DECK PENETRATIONS UNLESS OTHERWISE NOTED.

6. CONSTRUCTION EQUIPMENT SUCH AS WHEEL BARROWS, ETC. SHALL NOT BE ALLOWED ON THE STEEL DECKS. CONSTRUCTION EQUIPMENT HEIGHTS SHALL BE SUPPORTED DIRECTLY ON THE STEEL JOISTS.

7. THE CONTRACTOR SHALL INSTALL 1/4" THICK BENT PLATE(S) AS NECESSARY AT RIDGE, HIP, EAVE AND VALLEY LOCATIONS TO ADEQUATELY SUPPORT THE EDGE OF METAL ROOF DECK PANELS. THE PLATE(S) SHALL BE CONFIGURED (IN THE SHAPE OF AN EQUAL LEGGED CHANNEL OR TUBE) TO PROVIDE A MINIMUM BEARING AND SUPPORT WIDTH OF 2 INCHES. IN FLOOR SYSTEMS, A FABRICATED SQUARE TUBE (FROM 1/4" THICK PLATES) OR A 1/4" THICK STEEL TUBE OF THE PROPER DIMENSION SHALL BE USED AT ALL UNSUPPORTED EDGES OF FLOOR DECKING.

8. DO NOT HANG OR ATTACH MECHANICAL SYSTEMS, DUCTS, CONDUIT, PIPING, EQUIPMENT, CEILING, ETC. FROM METAL DECKING.

9. THE CONTRACTOR SHALL SUPPORT THE EDGE OF ALL ROOF AND FLOOR DECK WITH A STEEL ANGLE AND APPROPRIATE FASTENERS. A 5 X 3 X 1/4" ANGLE (LONG LEG VERTICAL) WITH 3/4" (4" EMBEDMENT) EXPANSION BOLTS AT 2'-0" ON CENTER SHALL BE USED AT ALL MASONRY AND CONCRETE WALLS UNLESS OTHERWISE INDICATED IN THE CONSTRUCTION DOCUMENTS. A 5 X 5 X 5/16" ANGLE SHALL BE USED AT LOCATIONS IN WHICH THE DECK SUPPORT MUST SPAN BETWEEN STEEL JOISTS AND/OR BEAMS.

10. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AS REQUIRED BY THE MANUFACTURER (AND MEANS AND METHODS) FOR CONCRETE FILLED DECKING-INCLUDING COMPOSITE DECK. TEMPORARY SHORING DETERMINATIONS SHALL BE MADE BASED UPON THE GAGE, SPAN, TYPE OF DECK, CONCRETE WEIGHT AND ALLOWABLE DEFLECTION OF DECK. THE CONTRACTOR/ SUBCONTRACTOR SHALL TAKE SPECIAL CARE TO ASSURE PROPER INSTALLATION AND SHORING OF ALL METAL DECKING PRIOR TO CONCRETE PLACEMENT. SEE ARCHITECTURAL DRAWINGS FOR CEILING AND SOFFIT REQUIREMENTS.

11. THE FIREPROOFING ASSOCIATED WITH STRUCTURAL ELEMENTS IS NOT SHOWN ON THE STRUCTURAL DRAWINGS. THE CONTRACTOR AND HIS SUBCONTRACTORS SHALL REFER TO THE ARCHITECTURAL DRAWINGS AND APPLICABLE BUILDING CODE FOR FIRE RATING INCLUDING MATERIALS AND METHODS.

12. DECK PAINTING/GALVANIZING SHALL BE COMPATIBLE WITH ADHESION REQUIREMENTS FOR ANY AREAS REQUIRING FIREPROOFING.

13. ALL STEEL REQUIRING PAINT SHALL BE PROPERLY CLEANED AND PREPARED TO ACCEPT THE APPROPRIATE PAINT FOR THE PROJECT. THE PAINT TYPE, COLOR AND THICKNESS SHALL BE SELECTED ACCORDING TO THE LOCATION OF THE STEEL, TYPE OF BUILDING AND OWNER'S REQUIREMENTS FOR COLOR, ETC. DECISIONS INVOLVING PAINT, COLOR AND SO ON SHALL BE PER OWNER.

14. PLYWOOD AND OSB SHEATHING, LOCATED ON METAL DECKING, SHALL BE 3/4" THICK TO ALLOW FOR ADEQUATE NAIL PENETRATION FOR ATTACHMENT OF ROOFING MATERIALS. UNLESS OTHERWISE REQUIRED BY LOCAL CODES 3/4" LONG GALVANIZED ROOFING NAILS SHALL BE USED TO ATTACH ASPHALT SHINGLES TO ROOF SHEATHING.

15. FOR SHINGLE/PLYWOOD/METAL DECK AS PART OF THE ROOF ASSEMBLY, THE CONTRACTOR SHALL INSTALL 2 X 4 WOOD NAILERS VERTICALLY UP THE ROOF BETWEEN THE STEEL ROOF DECK AND PLYWOOD. THESE 2 X 4 NAILERS SHALL BE SPACED NO FURTHER APART THAN 2 FEET ON CENTER AND ATTACHED WITH #8 SCREWS AT 12 INCHES ON CENTER. THE NAILER IS TO PROVIDE CLEARANCE FOR THE ROOF NAILS AND VENTILATION FOR THE SHINGLE PLYWOOD SUBSTRATE. THE CONTRACTOR SHALL VERIFY WITH THE SHINGLE SUPPLIER AS TO ADDITIONAL VENTILATION (IF ANY) BETWEEN THE METAL ROOF AND PLYWOOD.

COLD-FORMED STEEL FRAMING/ METAL STUDS:

1. CONTRACTOR TO PROVIDE ADDITIONAL METAL STUDS AT ALL END ZONES TO SATISFY THE WINDS REQUIREMENTS AS SET FORTH IN THE LATEST EDITION OF THE APPLICABLE BUILDING CODE(S).

2. ALL STEEL FRAMING SHALL BE INSTALLED BY PERSONNEL EXPERIENCED IN LIGHT GAGE METAL FRAMING INSTALLATION.

3. WHERE STEEL FRAMING MEMBERS ARE COMPONENTS OF ASSEMBLIES INDICATED IN THE CONSTRUCTION DOCUMENTS FOR A FIRE-RESISTANCE RATING, INCLUDING THOSE REQUIRED FOR COMPLIANCE WITH GOVERNING REGULATIONS, PROVIDE MEMBERS WHICH HAVE BEEN APPROVED BY THE GOVERNING AUTHORITIES.

4. GAUGE STEEL FRAMING MEMBERS SHALL BE PROTECTED AGAINST RUSTING AND DAMAGE. IT IS RECOMMENDED THAT ALL MATERIAL SHALL BE DELIVERED TO THE PROJECT SITE IN BUNDLES, FULLY IDENTIFIED WITH NAME, BRAND, TYPE AND GRADE. STORE OFF GROUND IN A DRY VENTILATED SPACE AND/OR PROTECT WITH SUITABLE WATERPROOF COVERINGS. ALL METAL STUDS, TRACKS, CLIPS ETC. SHALL BE GALVANIZED. MINIMUM GALVANIZING FOR WALL SYSTEMS AND ASSEMBLIES SHALL BE G60.

5. THE CONTRACTOR SHALL PROVIDE THE MANUFACTURERS STANDARD STEEL RUNNERS/TRACKS, BLOCKING, LINTELS, CLIP ANGLES, BRACINGS, REINFORCEMENTS, FASTENERS AND ACCESSORIES AS RECOMMENDED BY THE MANUFACTURER FOR THE PARTICULAR APPLICATION TO PROVIDE A COMPLETE STRUCTURAL SYSTEM.

6. UNLESS OTHERWISE REQUIRED, SCREWS SHALL BE AS RECOMMENDED BY THE MANUFACTURER.

7. EXTERIOR WALL SYSTEMS SHALL BE DESIGNED TO WITHSTAND BOTH POSITIVE AND NEGATIVE WIND PRESSURES AS INDICATED IN THE LATEST EDITION OF THE APPLICABLE BUILDING CODE. CARE SHALL BE TAKEN IN THE DESIGN TO CONSIDER DEFLECTIONS OF THE WALL SYSTEMS UNDER LOADING AS IT RELATES TO THE PRESCRIBED DEFLECTION LIMITS AS INDICATED IN THE APPLICABLE BUILDING CODE.

8. THE CONTRACTOR SHALL INSTALL SUFFICIENT TEMPORARY BRACINGS, AS NEEDED, UNTIL ERECTION OF THE STEEL FRAMING SYSTEM(S) IS COMPLETE.

9. ALL ATTACHMENTS SHALL BE DONE BY WELDING, SCREW ATTACHMENT, OR BOLTING-NO WIRE TYING OF FRAMING COMPONENTS SHALL BE PERMITTED.

10. WALL BRIDGING FOR EXTERIOR WALLS SHALL BE INSTALLED IN ACCORDANCE TO THE FOLLOWING WALL HEIGHTS:

BELOW 10 FEET 1 ROW (AT MID HEIGHT)
10 FEET TO 14 FEET .. 2 ROWS (EQUALLY SPACED)
OVER 14 FEET SPACE AT 4 FEET (ON CENTER)

11. STUD FRAMING USED TO FORM AND SUPPORT CEILING, CEILING FEATURES, SOFFITS AND THE LIKE SHALL BE CONSTRUCTED BY EXPERIENCED FRAMERS IN THIS TYPE OF WORK.

12. AS PART OF THE FRAMING OF THE COLD-FORMED METAL FRAMING, THE FRAMER SHALL MAKE THE NECESSARY PROVISIONS FOR MECHANICAL UNITS, PLATFORMS FOR SERVICING UNITS, AND THE NECESSARY WALKWAYS AND CLEARANCES PER THE APPLICABLE CODE(S). ADDITIONAL COLD-FORMED METAL FRAMING MAY BE REQUIRED BY OTHER DESIGN TEAM MEMBERS TO PROVIDE CLOSURE FOR DUCT CHASES, BUILD DOWNS, ETC. SEE DRAWINGS AND REQUIREMENTS BY OTHERS.

13. THE STRUCTURAL DRAWINGS ARE NOT TO BE REPRODUCED FOR SHOP DRAWINGS, SECTION SHEETS OR ERECTION PLANS. THE CONTRACTOR SHALL SUBMIT AN AMPLI NUMBER OF SETS OF SHOP DRAWINGS TO ALLOW FOR EACH DESIGN PROFESSIONAL TO RETAIN A SET FOR THE FILE. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY THE CONTRACTOR FOR (BUT NOT LIMITED TO) DIMENSIONS, ELEVATIONS, AND ERECTION PROCEDURES PRIOR TO ARCHITECT & STRUCTURAL ENGINEER'S REVIEW. AMPLI TIME, AS DETERMINED BY THE STRUCTURAL ENGINEER, SHALL BE ALLOTTED FOR HIS REVIEW OF SHOP DRAWINGS. THE CONTRACTOR MAY ISSUE SHOP DRAWINGS EARLY TO ALLOW FOR ADDITIONAL FABRICATION TIME. THE MEMBERS OF THE DESIGN TEAM SHALL RECEIVE A FINAL SET OF SHOP DRAWINGS STAMPED (FINAL SHOP DRAWINGS - FILE SET) WHICH INCORPORATES ANY COMMENTS MADE DURING THE SHOP DRAWING PROCESS AND SHALL BE STAMPED BY A REGISTERED ENGINEER REGISTERED IN THE PROJECT STATE.

14. THE METAL STUDS AND RECOMMENDATIONS INDICATED IN THESE DRAWINGS ARE TO BE CONSIDERED AS THE MINIMUM ALLOWED BY THE ENGINEER OF RECORD FOR THE PROJECT. DUE TO VARYING MANUFACTURERS AND SUBCONTRACTOR PREFERENCE THE CONTRACTOR SHALL SUBMIT AN ENGINEERED DESIGN FOR THE METAL STUD SYSTEM TO BE USED FOR THIS PROJECT. THIS DESIGN SHALL INCLUDE COMPLETED DETAILS REGARDING THE STUDS, CLIPS, TRACKS, BRACING, ANCHORS, LINTELS, SCREWS AND SO ON. THIS SUBMITTAL SHALL BE STAMPED BY A REGISTERED ENGINEER IN THE PROJECT STATE AND SUBMITTED TO THE ARCHITECT.

ALUMINUM:

1. WHERE ALUMINUM IS PLACED IN CONTACT WITH DISSIMILAR MATERIALS, THE ALUMINUM SHALL BE PROTECTED AGAINST CORROSION OR BACK-PAINTED BEFORE ERECTION WITH ZINC CHROMATE PAINT. THE METHOD OF PROTECTION SHALL BE APPROVED BY THE SUPPLIER FOR THE SYSTEM.

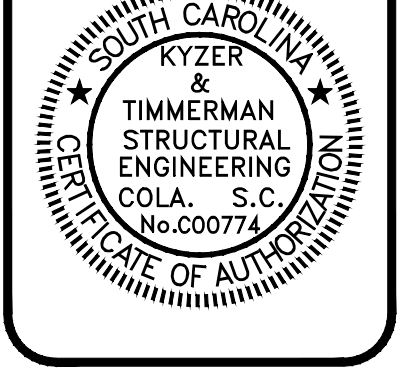
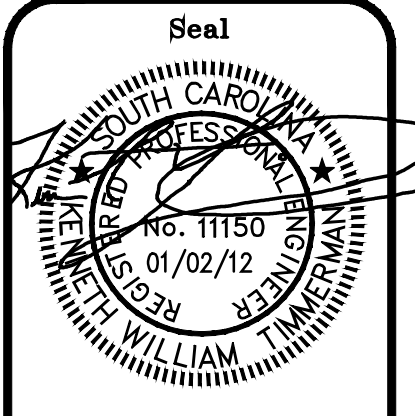
2. ALL ALUMINUM SURFACES SHALL BE PROTECTED FROM DAMAGE BY MORTAR, LIME, ACIDS, CONCRETE OR OTHER HARMFUL MATERIALS/SUBSTANCES. PROCEDURES AS PRESCRIBED BY THE MANUFACTURER SHALL BE FOLLOWED FOR HANDLING, PROTECTION, CLEANING AND STORAGE.

ABBREVIATIONS:

THE FOLLOWING ABBREVIATIONS ARE TYPICAL FOR THESE STRUCTURAL DRAWINGS. THE CONTRACTOR MAY CONTACT THE STRUCTURAL ENGINEER IF THERE ARE ANY QUESTIONS CONCERNING THESE ABBREVIATIONS:

-A- AB - ANCHOR BOLT ADJ - ADJACENT AL - ALUMINUM ARCH - ARCHITECTURAL)	AC - AIR CONDITIONING AFF - ABOVE FINISH FLOOR ALT - ALTERNATE ASPH - ASPHALT
-B- BLG - BUILDING BLK - BLOCK BO - BOTTOM OF BOTT - BOTTOM BRG - BEARING	BLDG - BUILDING BLCK - BLOCKING BOT - BOTTOM BPL - BEARING PLATE BRK - BRICK
B5 - BOTH SIDES BN - BOTH WAYS	B5MT - BASEMENT
-C- CL - CENTERLINE CFT - CUBIC FEET CLG - CEILING COL - COLUMN CONST - CONSTRUCTION CRSI - CONCRETE REINFORCING CYD - CUBIC YARD	CIP - CAST IN PLACE CONCRETE CMU - CONCRETE MASONRY UNITS CONC - CONCRETE CONT - CONTINUOUS CRSI - CONCRETE REINFORCING STEEL INSTITUTE CYD - CUBIC YARD
-D- d - PENNY DIAG - DIAGONAL DIM - DIMENSION DTL - DETAIL	DIA - DIAMETER DIAM - DIAMETER DL - DEAD LOAD
-E- EF - EACH FACE ELE - ELEVATION ELECT - ELECTRIC EGB - EDGE OF EXIST - EXISTING EXT - EXTERIOR	EL - ELEVATION ELEC - ELECTRIC EGB - EDGE OF EGB - EXISTING OF SLAB EXIST - EXISTING EXT - EXTERIOR EXP BLT - EXPANSION BOLT
-F- FF - FINISHED FLOOR FIN - FINISH (ED) FLG - FLASHING FND - FOUNDATION FS - FAR SIDE	FFE - FINISH FLOOR ELEVATION FL - FLOOR FLR - FLOOR FO - FACE OF FTG - FOOTING
G GA - GAGE, GAUGE GC - GENERAL CONTRACTOR	GALV - GALVANIZED
H HK - HOOK(S) HTG - HEATING HVAC - HEATING/VENTILATING/AIR CONDITIONING	HORZ - HORIZONTAL
I ID - INSIDE DIAMETER INV - INVERT	INT - INTERIOR
-J- JT - JOINT	JST. BRG. - JOIST BEARING
-L- LL - LIVE LOAD LLV - LONG LEG VERTICAL	LLH - LONG LEG HORIZONTAL LONG. - LONGITUDINAL
-M- MAS - MASONRY MR - MEMBER MECH - MECHANICAL MFR - MANUFACTURER MO - MASONRY OPENING NOM - NOMINAL	MAX - MAXIMUM MEZZ - MEZZANINE MISC - MISCELLANEOUS MOD - MODULAR MULL - MULLION
-N- NS - NEAR SIDE	NTS - NOT TO SCALE
-O- OC - ON CENTER OF - OUTSIDE FACE OPP - OPPOSITE	OD - OUTSIDE DIAMETER OPG - OPENING OPP. HD. - OPPOSITE HAND
-P- PAF - POWDER ACTUATED FASTENER PCF - POUNDS PER CUBIC FOOT PFB - PREFABRICATED PNL - PANEL PSI - POUNDS PER SQUARE INCH PVC - POLYVINYL CHLORIDE PLY - PLYWOOD	PCG - PRECAST CONCRETE REF - REFERENCE PL - PLATE PSF - POUNDS PER SQUARE FOOT PT - POST-TENSIONING CABLE(S) PVMT - PAVEMENT
-R- RAD - RADIUS REF - REFER REV - REVISION RM - ROOM	RCP - REINFORCED CONCRETE PIPE REBAR - DEFORMED REINFORCING BARS REQD - REQUIRED RO - ROUGH OPENING
-S- SCHDL - SCHEDULE SHT - SHEET SLH - SHORT LEG HORIZONTAL SPEC - SPECIFICATION(S) STR - STRUCTURAL	SCHED - SCHEDULE SIM - SIMILAR SLV - SHORT LEG VERTICAL STL - STEEL SYS - SYSTEM
-T- T4B - TOP AND BOTTOM TJI - TRUSS JOIST INSTITUTE TOB - TOP OF BEAM TOS - TOP OF STEEL TRD - TREAD TS - TUBE STEEL	THK - THICKNESS TOP - TOP OF TOM - TOP OF MASONRY TOW - TOP OF WALL TRANS - TRANSVERSE TYP - TYPICAL
-V- VERT - VERTICAL	
-W- W - WIDE FLANGE SECTION WP - WORKING POINT	WM - WIRE MESH WRF - WELDED WIRE FABRIC

Revisions	
Revision	By



WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA

Job Title:

Drawing Title:	
STRUCTURAL NOTES	
Scale:	AS NOTED
Job Number:	11-136
Designed By:	KWT
Drawn By:	AGB
Checked By:	DWS
Date:	January 02, 2012

Sheet Number

S3.2

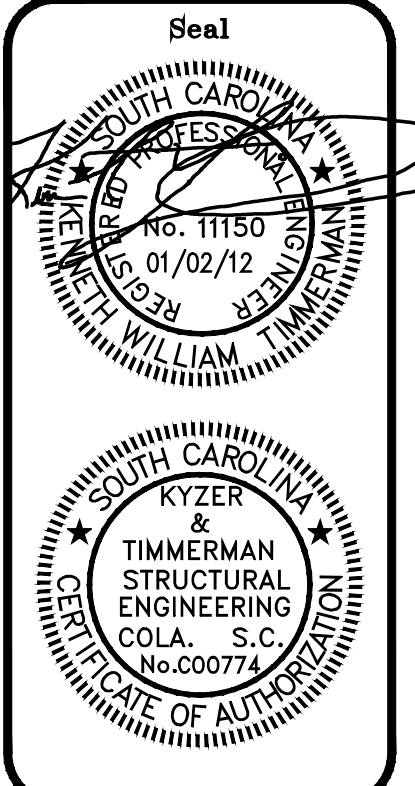
STATE PROJECT NO: II-27-0069-M

STATEMENT OF SPECIAL INSPECTIONS

SPECIAL INSPECTION COORDINATOR -									
BUILDING COMPONENTS OR MATERIAL	MATERIAL SUBMITTAL	TESTING			INSPECTION			QUALITY ASSURANCE	
		REQUIREMENTS	FREQUENCY	AGENCY	MONITORING	FREQUENCY	AGENCY	PART OF WIND	PART OF SEISMIC
SOILS (COMPACTED FILL)	N/A	1. TEST IN PLACE DRY DENSITY OF COMPACTED FILL.	1. AS APPROVED GEOTECHNICAL ENGINEER.	TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. DETERMINE SITE IS PREPARED IN ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL. 2. DURING PLACEMENT AND COMPACTION OF FILL MATERIAL, DETERMINE MATERIAL BEING USED AND MAXIMUM LIFT THICKNESS COMPLIES WITH SOILS REPORT. 3. VERIFY THAT IN PLACE DRY DENSITY TESTS OF COMPACTED FILL COMPLIES WITH SOILS REPORT.	1. PERIODIC 2. PERIODIC 3. CONTINUOUS	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. COLUMNS AND SHEARWALLS ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL.	1. COLUMNS AND SHEARWALLS ACCORDANCE WITH APPROVED SOILS REPORT PRIOR TO PLACEMENT OF FILL.
DISPLACEMENT AUGER CAST PILE	1. SUBMIT CONCRETE MIX DESIGN. 2. SUBMIT PILE REINFORCEMENT SHOP DRAWINGS.	1. CONDUCT PILE LOAD TEST. 2. TEST GROUT STRENGTH.	1. PILE LOAD TEST FOR EACH PILE TYPE. 2. (1) SET OF GROUT CUBES FOR EVERY 30 YARDS OF GROUT.	TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. EACH PILE WILL BE MONITORED FOR: A. PILE DEPTH B. GROUT PRESSURE C. GROUT VOLUME D. REBAR PLACEMENT	1. EACH PILE	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. UPLIFT PILE UNDER SHEARWALLS ARE PART OF THE WIND AND SEISMIC LATERAL SYSTEM.	1. UPLIFT PILE UNDER SHEARWALLS ARE PART OF THE WIND AND SEISMIC LATERAL SYSTEM.
CONCRETE FOUNDATIONS	1. SUBMIT CONCRETE MIX DESIGN. 2. SUBMIT FOUNDATION REINFORCEMENT SHOP DRAWINGS. 3. VERIFY PROPER CONCRETE STRENGTH.	1. TEST CONCRETE STRENGTH.	1. (1) SET OF CYLINDERS FOR EACH VERTICAL LIFT OR EACH 50 YARDS OF CONCRETE.	TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. VERIFY APPROPRIATE MIX (STRENGTH) PROVIDE: A. REBAR SIZE B. REBAR QUANTITY C. REBAR PLACEMENT	1. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL.	1. SPREAD FOOTINGS AT BEARING WALLS AND SHEARWALL.
CONCRETE MASONRY UNITS	1. SUBMIT TEST DATA ON CMU UNITS NET AREA OF COMPRESSIVE STRENGTH 1900 PSI OR GREATER. 2. TYPE 'S' MORTAR GROUT MIX 2000 PSI	1. TEST COMPRESSIVE STRENGTH OF MORTAR & GROUT.	1. (1) SET OF GROUT CUBES FROM EACH FLOOR AND/OR (1) SET OF CUBES FOR EACH 50 YARDS OF GROUT.	TESTING LAB TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	SEE MASONRY INSPECTION CHART	SEE MASONRY INSPECTION CHART	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. YES	1. YES
STRUCTURAL STEEL	1. SUBMIT MANUFACTURER'S CERTIFIED MILL TEST REPORTS FOR STRUCTURAL STEEL.	N/A	N/A	N/A	1. INSPECT STEEL FRAME JOINT DETAILS FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS.	1. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. FLOOR AND ROOF SYSTEM FRAMING	1. FLOOR AND ROOF SYSTEM FRAMING
STRUCTURAL STEEL HIGH-STRENGTH BOLTING (AND MECHANICAL FASTENING OF METAL DECK)	1. SUBMIT MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR HIGH-STRENGTH BOLTS, NUTS, WASHERS AND/OR FASTENERS.	N/A	N/A	N/A	1. VERIFY BOLTING IN BEARING-TYPE CONNECTIONS ARE INSTALLED IN ACCORDANCE WITH AISC SPECIFICATIONS. 2. VERIFY BOLTING IN SLIP-CRITICAL CONNECTIONS ARE INSTALLED IN ACCORDANCE WITH AISC SPECIFICATIONS. 3. VERIFY IDENTIFICATION MARKING ON HIGH-STRENGTH BOLTS, NUTS AND WASHERS CONFORMING TO ASTM STANDARDS SPECIFIED. 4. VERIFY FASTENER TYPE AND ADHERENCE TO SPECIFIED FASTENER ATTACHMENT PATTERN. 5. VERIFY PROPER STORAGE AND HANDLING OF BOLTS, NUTS, WASHERS.	1. PERIODIC 2. CONTINUOUS (MAY BE PERIODIC IF TURN-OF-NUT WITH MATCH MARKING METHODS, DIRECT TENSION INDICATOR OR ALTERNATE DESIGN FASTENER (TWIST-OFF) METHODS ARE USED) 3. PERIODIC 4. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. FLOOR AND ROOF SYSTEM BOLTING	1. FLOOR AND ROOF SYSTEM BOLTING
STRUCTURAL STEEL WELDING	1. SUBMIT MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR WELD FILLER MATERIAL.	N/A	N/A	N/A	VERIFY WELDING IS IN COMPLIANCE WITH AWS D1.1 1. COMPLETE AND PARTIAL PENETRATION GROOVE WELDS. 2. MULTIPASS FILLET WELDS 3. SINGLE-PASS FILLET WELDS > 5/16" 4. SINGLE-PASS FILLET WELDS < OR = 5/16" 5. FLOOR AND DECK WELDS	1. CONTINUOUS 2. CONTINUOUS 3. CONTINUOUS 4. PERIODIC 5. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. FLOOR AND ROOF SYSTEM WELDING	1. FLOOR AND ROOF SYSTEM WELDING
WALL PANELS OR GLAZING SYSTEM	1. SUBMIT MANUFACTURER'S LITERATURE FOR COMPLIANCE WITH DP RATINGS. 2. SUBMIT SHOP DRAWINGS FOR ANCHORAGE.	1. SUBMIT MANUFACTURER'S TEST REPORTS ON ANCHORAGE.	N/A	N/A	1. VERIFY FASTENER LOCATION AND INSTALLATION.	1. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. YES	1. YES
ANCHORAGE OF ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER	1. SUBMIT ANCHOR TYPE AND LITERATURE.	1. SUBMIT MANUFACTURER'S TEST REPORTS.	N/A	N/A	1. VERIFY FASTENER LOCATION AND INSTALLATION.	1. PERIODIC	INSPECTION AGENCY TO BE APPROVED BY SPECIAL INSPECTION COORDINATOR & BUILDING OFFICIAL.	1. NO	1. YES

NOTE: ALL TESTING & INSPECTION REPORTS TO BE SENT TO SPECIAL INSPECTION COORDINATOR ON A WEEKLY BASIS. ALL REPORTS TO BE IN AN ELECTRONIC FORMAT BY EMAIL. SPECIAL INSPECTION COORDINATOR WILL SUBMIT CONSOLIDATED REPORT TO BUILDING OFFICIAL ON A WEEKLY BASIS.

Revisions	
Revision	By



WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
 COLUMBIA, SOUTH CAROLINA

KYZER & TIMMERMAN
STRUCTURAL ENGINEERS
580 One Drive, West Columbia, S.C. 29168 Ph. 803.731.4511 Fax 803.731.4622

Drawing Title:	
SPECIAL INSPECTIONS	
Scale:	AS NOTED
Job Number:	11-136
Designed By:	KWT
Drawn By:	AGB
Checked By:	DWS
Date:	January 02, 2012

Sheet Number
S3.3
STATE PROJECT NO: II-27-0069-MJ

SEISMIC QUALITY ASSURANCE PLAN

- THE FOLLOWING SEISMIC SYSTEMS AND SEISMIC-FORCE-RESISTING SYSTEM ARE SUBJECT TO QUALITY ASSURANCE:
 - A. MASONRY SHEARWALL REINFORCEMENT.
 - B. ATTACHMENT OF ROOF STRUCTURAL SYSTEM TO SHEARWALLS.
 - C. INSTALLATION OF SUSPENDED CEILING AND THEIR ANCHORAGE.
 - D. ANCHORAGE OF ELECTRICAL EQUIPMENT USED FOR EMERGENCY OR STANDBY POWER.
 - E. ANCHORAGE OF EXTERIOR WALL PANELS &/OR GLAZING.
- PROVIDE SPECIAL INSPECTIONS FOR SYSTEMS INDICATED ABOVE AS INDICATED IN SPECIAL INSPECTIONS CHART.
- TYPE AND FREQUENCY OF TESTING PER CHART.
- TYPE AND FREQUENCY OF SPECIAL INSPECTIONS SEE CHART.
- ALL REPORTS TO ARCHITECT, STRUCTURAL ENGINEER AND SPECIAL INSPECTIONS COORDINATOR.
- PERIODIC STRUCTURAL OBSERVATION WILL BE PERFORMED AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM.
- STRUCTURAL OBSERVATION REPORTS TO ARCHITECT, STRUCTURAL ENGINEER

CONTRACTOR'S RESPONSIBILITY

- EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A SEISMIC - FORCE - RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM, OR A COMPONENT LISTED IN THE SEISMIC QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN CONTRACTOR'S STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND TO THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
- IN THE WIND QUALITY ASSURANCE PLAN.
 - ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
 - PROCEDURES FOR EXERCISING CONTROL WITHIN THE THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.
 - IDENTIFICATIONS AND QUALIFICATIONS OF PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

WIND QUALITY ASSURANCE PLAN

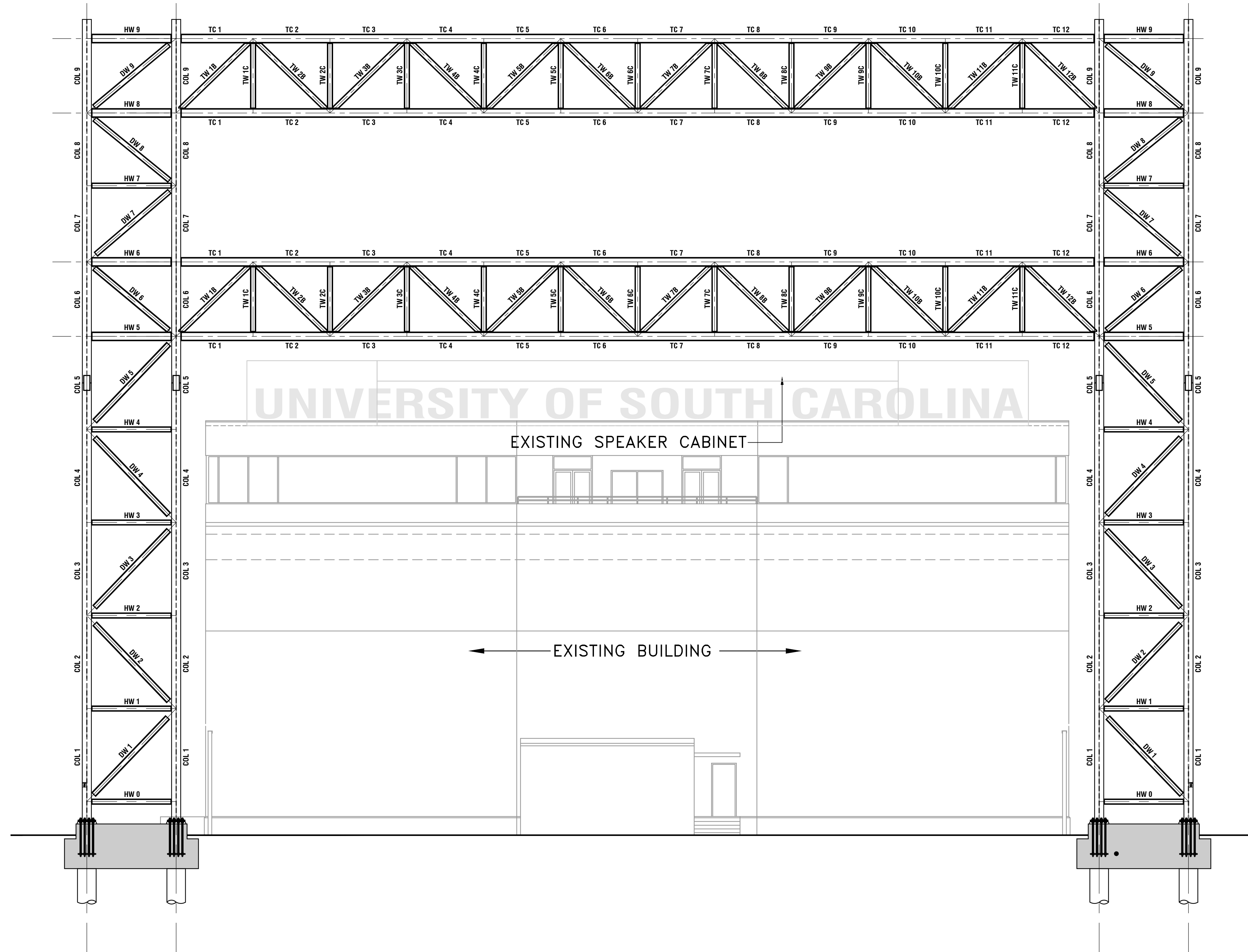
- THE FOLLOWING MAIN WIND FORCE-RESISTING SYSTEMS AND WIND RESISTING COMPONENTS ARE SUBJECT TO QUALITY ASSURANCE:
 - A. MASONRY SHEARWALL CONSTRUCTION AND REINFORCEMENT.
 - B. ROOF DIAPHRAGM SYSTEMS.
 - C. WALL CONNECTIONS TO ROOF DIAPHRAGM AND FRAMING.
 - D. GLAZING SYSTEM FABRICATION AND INSTALLATION.
 - E. ROOF CLADDING AND ROOF FRAMING COMPONENTS.
- PROVIDE SPECIAL INSPECTIONS FOR SYSTEMS INDICATED ABOVE AS INDICATED IN SPECIAL INSPECTIONS CHART.
- TYPE AND FREQUENCY OF TESTING PER CHART.
- TYPE AND FREQUENCY OF SPECIAL INSPECTIONS SEE CHART.
- ALL REPORTS TO ARCHITECT, STRUCTURAL ENGINEER AND SPECIAL INSPECTIONS COORDINATOR.
- PERIODIC STRUCTURAL OBSERVATION WILL BE PERFORMED AT SIGNIFICANT CONSTRUCTION STAGES AND AT THE COMPLETION OF THE STRUCTURAL SYSTEM.
- STRUCTURAL OBSERVATION REPORTS TO ARCHITECT, STRUCTURAL ENGINEER

CONTRACTORS RESPONSIBILITY

- EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WINDFORCE - RESISTING SYSTEM OR A WIND-RESISTING COMPONENT LISTED IN THE WIND QUALITY ASSURANCE PLAN SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
- ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE WIND QUALITY ASSURANCE PLAN.
 - ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
 - PROCEDURES FOR EXERCISING CONTROL WITHIN THE THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS.
 - IDENTIFICATIONS AND QUALIFICATIONS OF PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

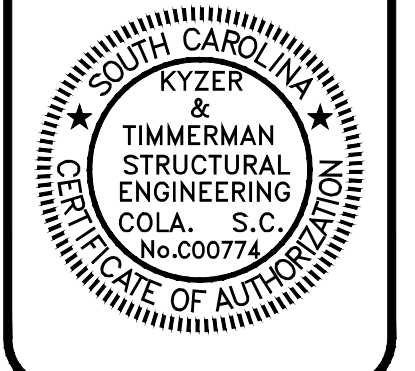
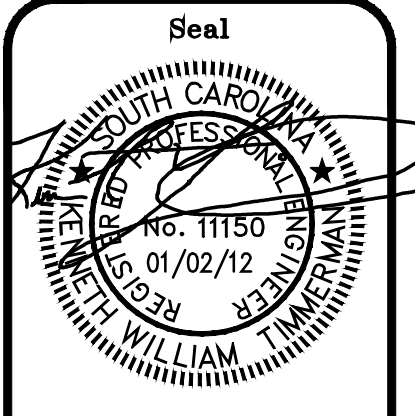
MEMBER	DESIGN FORCES	
	TENSION (KIPS)	COMPRESSION (KIPS)
TC 1	191.5	-72.0
TC 2	36.5	-166.0
TC 3	129.4	-166.0
TC 4	129.4	-260.0
TC 5	203.3	-260.0
TC 6	205.8	-288.0
TC 7	206.9	-288.0
TC 8	209.4	-248.0
TC 9	130.0	-248.0
TC 10	132.5	-142.0
TC 11	73.0	-142.0
TC 12	203.5	-85.0
TW 1A	2.4	-50.2
TW 1B	.....	-156.0
TW 1C	11.3	.....
TW 1D	.....	.....
TW 2A	41.3	-2.4
TW 2B	127.0	.....
TW 2C	.....	-11.2
TW 2D	.....	-6.9
TW 3A	2.4	-32.2
TW 3B	.....	-99.1
TW 3C	11.3	.....
TW 3D	.....	.....
TW 4A	23.3	-2.4
TW 4B	70.5	.....
TW 4C	.....	-11.0
TW 4D	.....	-6.9
TW 5A	2.4	-14.2
TW 5B	.....	-43.0
TW 5C	11.3	.....
TW 5D	.....	.....
TW 6A	5.3	-2.4
TW 6B	14.5	-5.6
TW 6C	.....	-11.0
TW 6D	.....	-6.9
TW 7A	5.2	-3.4
TW 7B	16.4	.....
TW 7C	11.3	.....
TW 7D	.....	.....
TW 8A	3.4	-14.1
TW 8B	.....	-41.7
TW 8C	.....	-11.0
TW 8D	.....	-6.9
TW 9A	23.2	-3.4
TW 9B	69.3	.....
TW 9C	11.3	.....
TW 9D	.....	.....
TW 10A	3.4	-32.1
TW 10B	.....	-97.8
TW 10C	.....	-11.2
TW 10D	.....	-6.9
TW 11A	41.2	-3.4
TW 11B	126.1	.....
TW 11C	11.3	.....
TW 11D	.....	.....
TW 12A	3.4	-50.1
TW 12B	.....	-154.0

MEMBER	DESIGN FORCES	
	TENSION (KIPS)	COMPRESSION (KIPS)
COL 1	757.6	-893.0
COL 2	547.4	-666.0
COL 3	510.2	-599.0
COL 4	409.8	-471.0
COL 5	320.2	-331.0
COL 6	158.2	-243.0
COL 7	89.8	-182.0
COL 8	131.4	-187.0
COL 9	79.7	-85.6
DW 1	186.2	-189.0
DW 2	182.0	-177.0
DW 3	169.7	-172.0
DW 4	165.1	-160.0
DW 5	152.9	-156.0
DW 6	201.9	-201.0
DW 7	124.6	-107.0
DW 8	107.0	-124.0
DW 9	124.1	-133.0
HW 1	.....	-5.71
HW 2	.....	-5.71
HW 3	.....	-5.71
HW 4	.....	-5.71
HW 5	100.1	-136.0
HW 5D	4.3	-108.0
HW 6	191.5	-106.0
HW 6D	143.4	.....
HW 7	.....	-5.71
HW 8	46.7	-167.0
HW 8D	.....	-13.2
HW 9	101.8	-45.6
HW 9D	56.5	-1.3



FIELD VIEW MEMBER FORCES
SCALE ===== 1/8"=1'-0"

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



Drawing Title:
STRUCTURAL STEEL
MEMBER FORCES

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

Drawn By: AGB

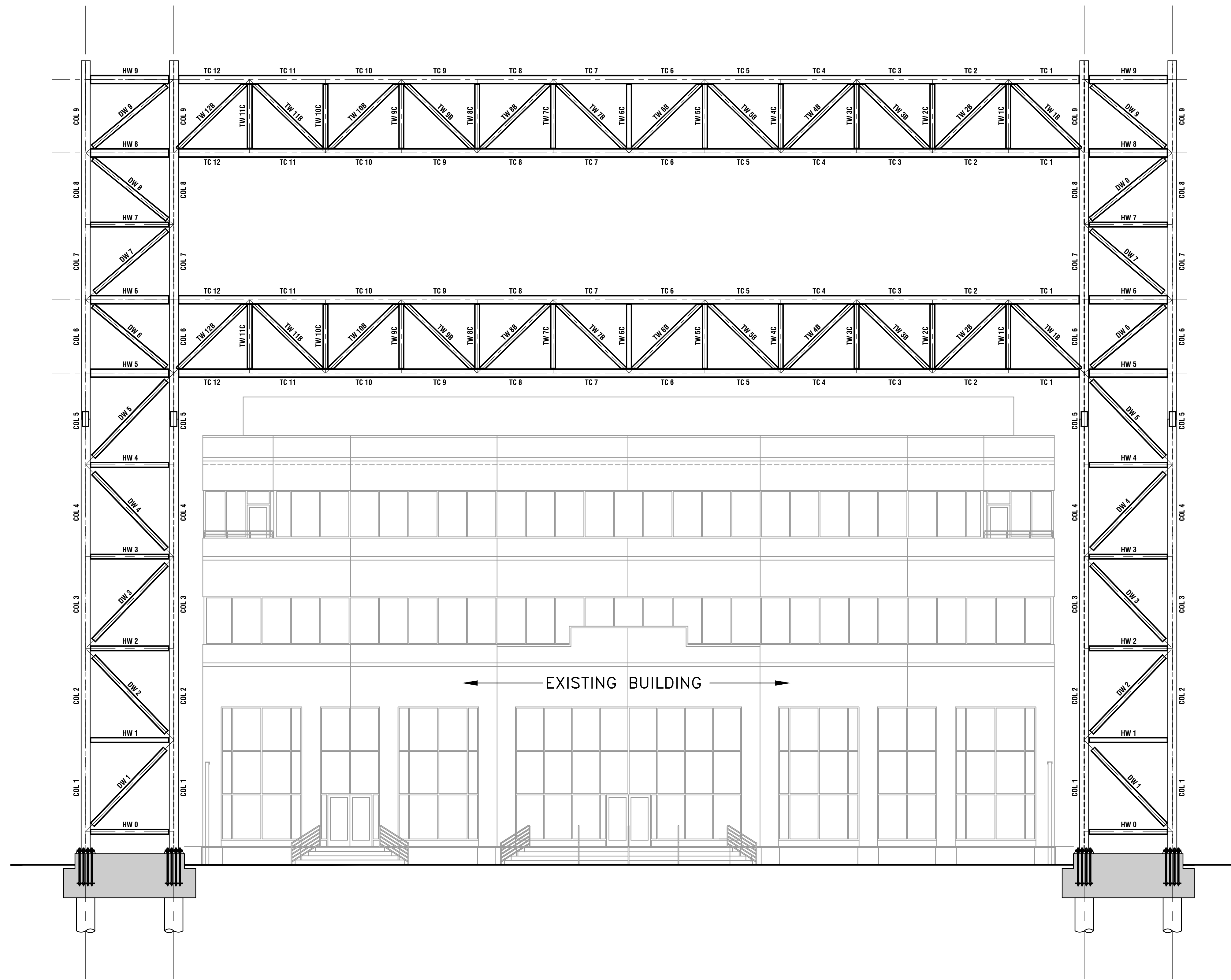
Checked By: DWS

Date: January 02, 2012

Sheet Number
S4.0
STATE PROJECT NO: E-27-0069-M

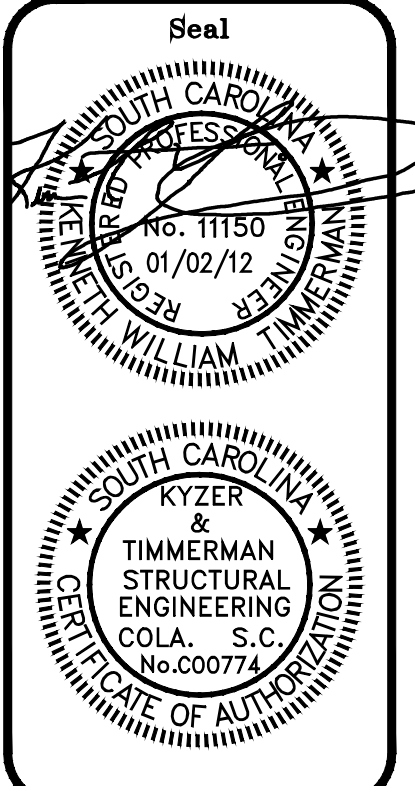
MEMBER	DESIGN FORCES	
	TENSION (KIPS)	COMPRESSION (KIPS)
TC 1	191.5	-72.0
TC 2	36.5	-166.0
TC 3	129.4	-166.0
TC 4	129.4	-260.0
TC 5	203.3	-260.0
TC 6	205.8	-288.0
TC 7	206.9	-288.0
TC 8	209.4	-248.0
TC 9	130.0	-248.0
TC 10	132.5	-142.0
TC 11	73.0	-142.0
TC 12	203.5	-85.0
TW 1A	2.4	-50.2
TW 1B	.....	-156.0
TW 1C	11.3	.....
TW 1D	.....	.....
TW 2A	41.3	-2.4
TW 2B	127.0	.....
TW 2C	.....	-11.2
TW 2D	.....	-6.9
TW 3A	2.4	-32.2
TW 3B	.....	-99.1
TW 3C	11.3	.....
TW 3D	.....	.....
TW 4A	23.3	-2.4
TW 4B	70.5	.....
TW 4C	.....	-11.0
TW 4D	.....	-6.9
TW 5A	2.4	-14.2
TW 5B	.....	-43.0
TW 5C	11.3	.....
TW 5D	.....	.....
TW 6A	5.3	-2.4
TW 6B	14.5	-5.6
TW 6C	.....	-11.0
TW 6D	.....	-6.9
TW 7A	5.2	-3.4
TW 7B	16.4	.....
TW 7C	11.3	.....
TW 7D	.....	.....
TW 8A	3.4	-14.1
TW 8B	.....	-41.7
TW 8C	.....	-11.0
TW 8D	.....	-6.9
TW 9A	23.2	-3.4
TW 9B	69.3	.....
TW 9C	11.3	.....
TW 9D	.....	.....
TW 10A	3.4	-32.1
TW 10B	.....	-97.8
TW 10C	.....	-11.2
TW 10D	.....	-6.9
TW 11A	41.2	-3.4
TW 11B	126.1	.....
TW 11C	11.3	.....
TW 11D	.....	.....
TW 12A	3.4	-50.1
TW 12B	.....	-154.0

MEMBER	DESIGN FORCES	
	TENSION (KIPS)	COMPRESSION (KIPS)
COL 1	757.6	-893.0
COL 2	547.4	-666.0
COL 3	510.2	-599.0
COL 4	409.8	-471.0
COL 5	320.2	-331.0
COL 6	158.2	-243.0
COL 7	89.8	-182.0
COL 8	131.4	-187.0
COL 9	79.7	-85.6
DW 1	186.2	-189.0
DW 2	182.0	-177.0
DW 3	169.7	-172.0
DW 4	165.1	-160.0
DW 5	152.9	-156.0
DW 6	201.9	-201.0
DW 7	124.6	-107.0
DW 8	107.0	-124.0
DW 9	124.1	-133.0
HW 1	.....	-5.71
HW 2	.....	-5.71
HW 3	.....	-5.71
HW 4	.....	-5.71
HW 5	100.1	-136.0
HW 5D	4.3	-108.0
HW 6	191.5	-106.0
HW 6D	143.4	.....
HW 7	.....	-5.71
HW 8	46.7	-167.0
HW 8D	.....	-13.2
HW 9	101.8	-45.6
HW 9D	56.5	-1.3



STREET SIDE ELEVATION MEMBER FORCES
SCALE ===== 1/8"=1'-0"

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



Drawing Title:
STRUCTURAL STEEL
MEMBER FORCES

Scale: AS NOTED

Job Number: 11-136

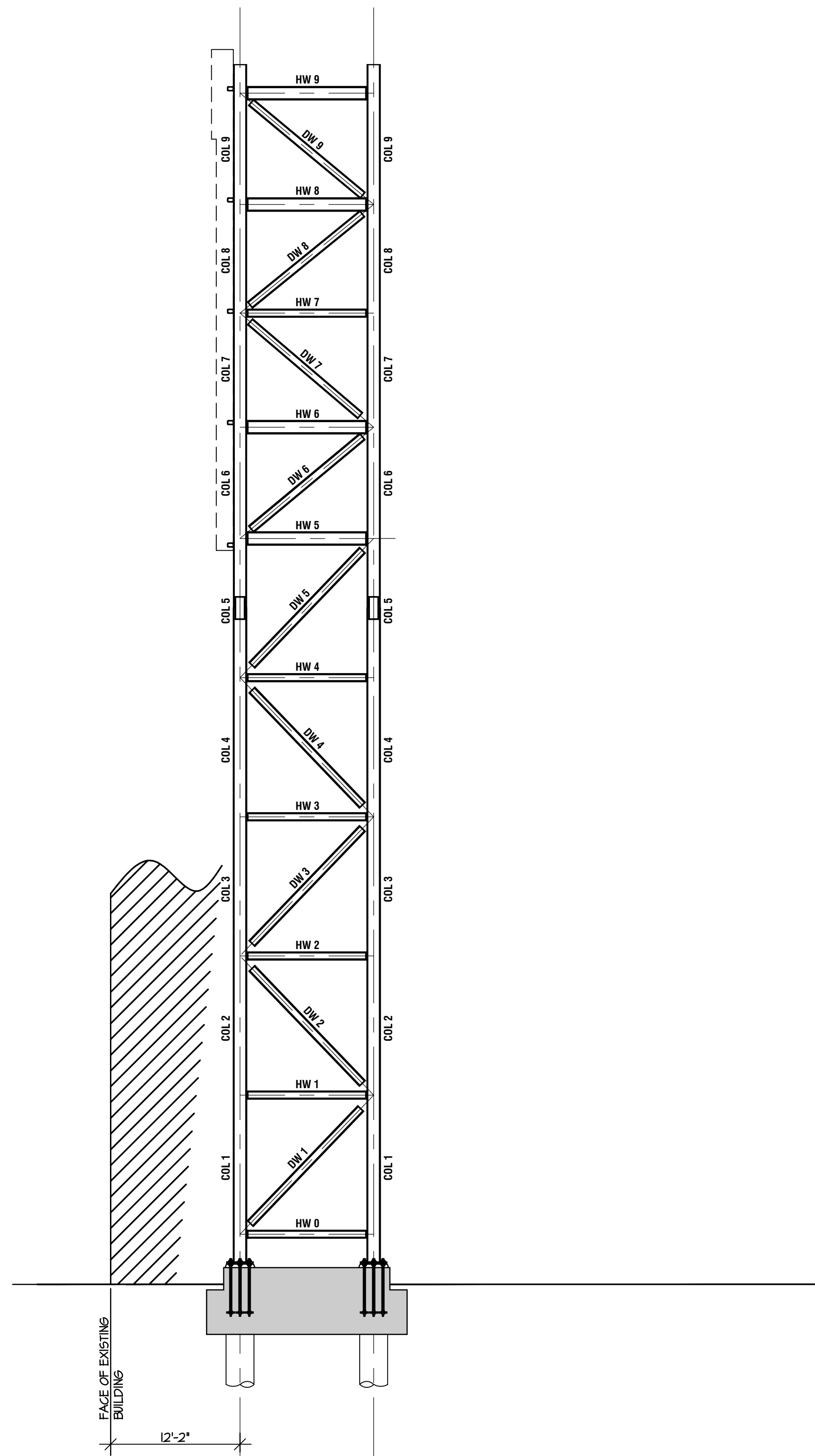
Designed By: KWT

Drawn By: AGB

Checked By: DWS

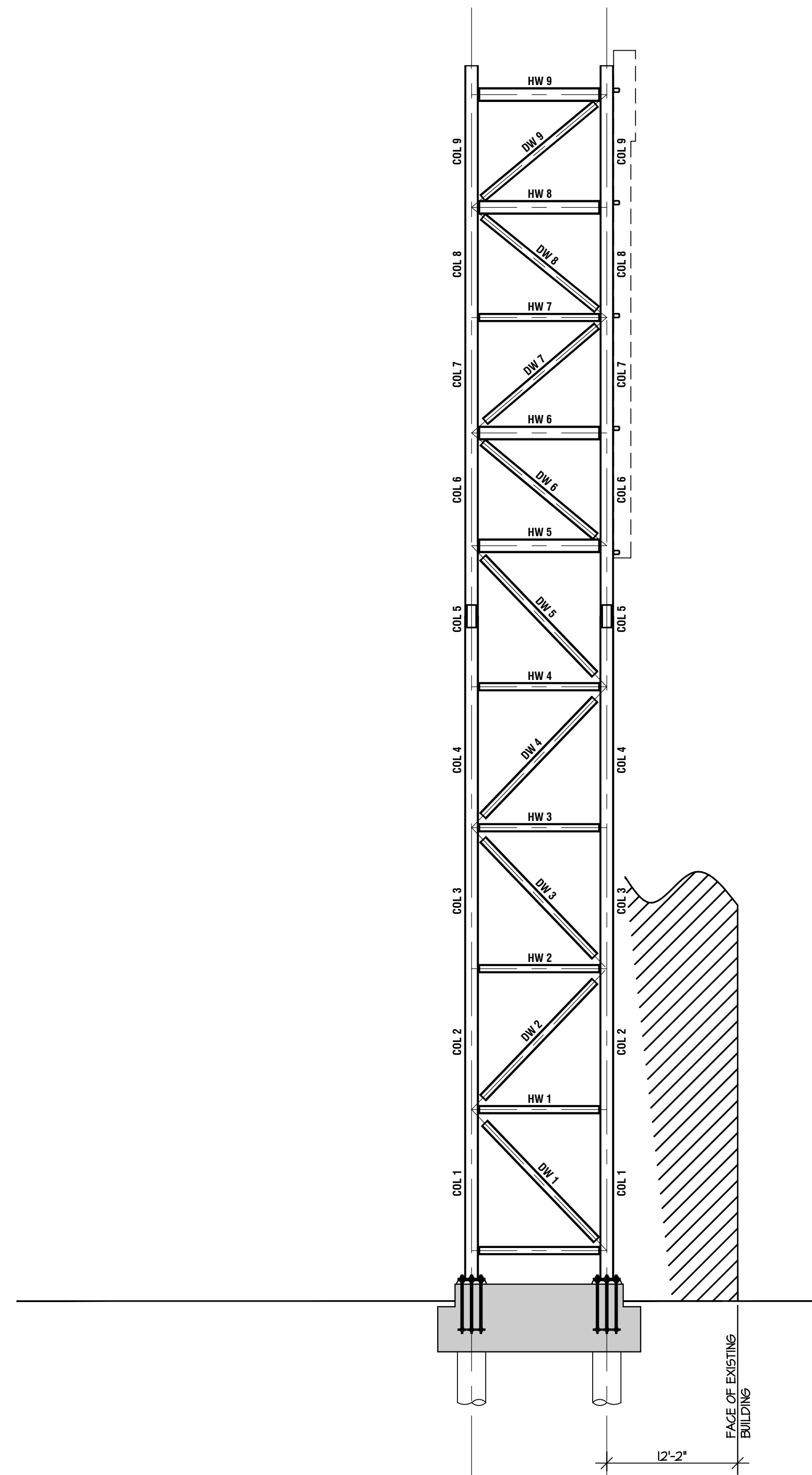
Date: January 02, 2012

Sheet Number
S4.1
STATE PROJECT NO: E-27-0069-M



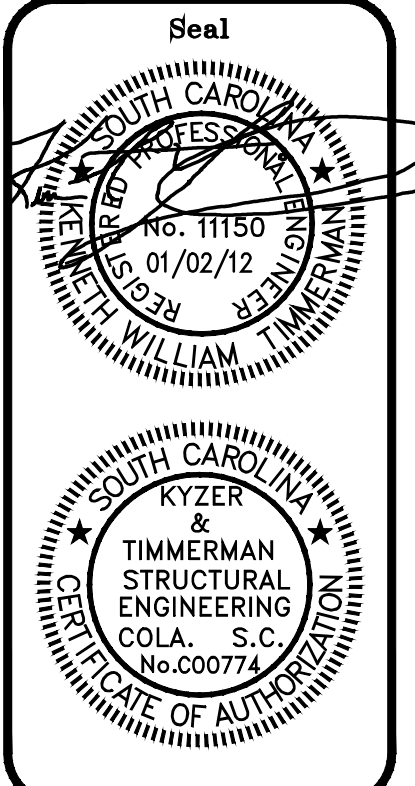
EAST SIDE ELEVATION MEMBER FORCES
SCALE ===== 1/8"=1'-0"

MEMBER	DESIGN FORCES	
	TENSION (KIPS)	COMPRESSION (KIPS)
COL 1	757.6	-893.0
COL 2	547.4	-666.0
COL 3	510.2	-599.0
COL 4	409.8	-471.0
COL 5	320.2	-331.0
COL 6	158.2	-243.0
COL 7	89.8	-182.0
COL 8	131.4	-187.0
COL 9	79.7	-85.6
DW 1	186.2	-189.0
DW 2	182.0	-177.0
DW 3	169.7	-172.0
DW 4	165.1	-160.0
DW 5	152.9	-156.0
DW 6	201.9	-201.0
DW 7	124.6	-107.0
DW 8	107.0	-124.0
DW 9	124.1	-133.0
HW 1	-----	-5.71
HW 2	-----	-5.71
HW 3	-----	-5.71
HW 4	-----	-5.71
HW 5	100.1	-136.0
HW 5D	4.3	-108.0
HW 6	191.5	-106.0
HW 6D	143.4	-----
HW 7	-----	-5.71
HW 8	46.7	-167.0
HW 8D	-----	-13.2
HW 9	101.8	-45.6
HW 9D	56.5	-1.3

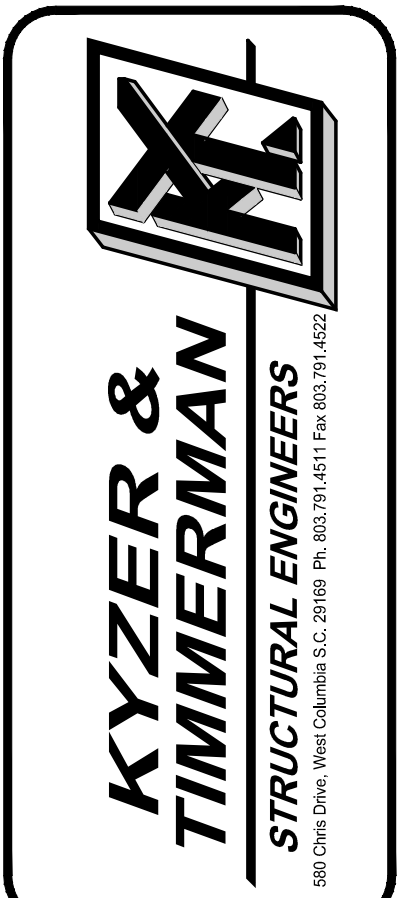


WEST SIDE ELEVATION MEMBER FORCES
SCALE ===== 1/8"=1'-0"

Revisions	
Revision	By



Job Title:
WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



Drawing Title:
STRUCTURAL STEEL
MEMBER FORCES

Scale: AS NOTED

Job Number: 11-136

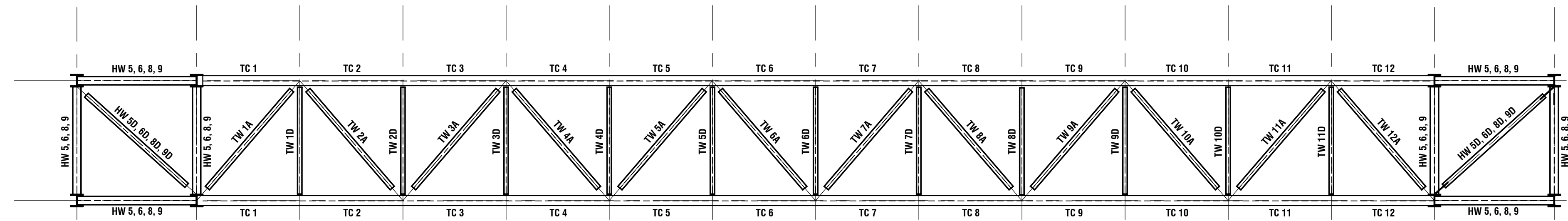
Designed By: KWT

Drawn By: AGB

Checked By: DWS

Date: January 02, 2012

Sheet Number
S4.2
STATE PROJECT NO: II-27-0069-U

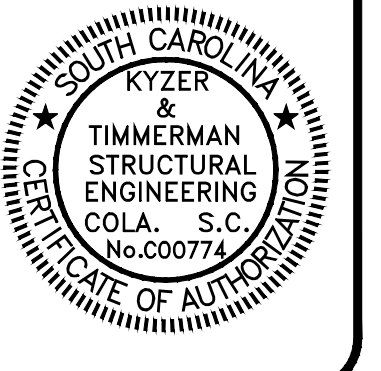
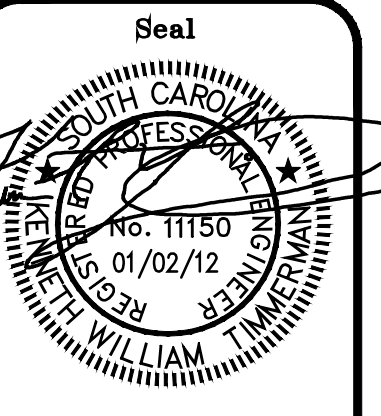


**MEMBER FORCES PLAN @ TOP & BOTTOM CHORD
OF TRUSSES TYPICAL**
SCALE ===== 1/8"=1'-0"

MEMBER	DESIGN FORCES	
	TENSION (KIPS)	COMPRESSION (KIPS)
COL 1	757.6	-893.0
COL 2	547.4	-666.0
COL 3	510.2	-599.0
COL 4	409.8	-471.0
COL 5	320.2	-331.0
COL 6	158.2	-243.0
COL 7	89.8	-182.0
COL 8	131.4	-187.0
COL 9	79.7	-85.6
DW 1	186.2	-189.0
DW 2	182.0	-177.0
DW 3	169.7	-172.0
DW 4	165.1	-160.0
DW 5	152.9	-156.0
DW 6	201.9	-201.0
DW 7	124.6	-107.0
DW 8	107.0	-124.0
DW 9	124.1	-133.0
HW 1	-----	-5.71
HW 2	-----	-5.71
HW 3	-----	-5.71
HW 4	-----	-5.71
HW 5	100.1	-136.0
HW 5D	4.3	-108.0
HW 6	191.5	-106.0
HW 6D	143.4	-----
HW 7	-----	-5.71
HW 8	46.7	-167.0
HW 8D	-----	-13.2
HW 9	101.8	-45.6
HW 9D	56.5	-1.3

MEMBER	DESIGN FORCES	
	TENSION (KIPS)	COMPRESSION (KIPS)
TC 1	191.5	-72.0
TC 2	36.5	-166.0
TC 3	129.4	-166.0
TC 4	129.4	-260.0
TC 5	203.3	-260.0
TC 6	205.8	-288.0
TC 7	206.9	-288.0
TC 8	209.4	-248.0
TC 9	130.0	-248.0
TC 10	132.5	-142.0
TC 11	73.0	-142.0
TC 12	203.5	-85.0
TW 1A	2.4	-50.2
TW 1B	-----	-156.0
TW 1C	11.3	-----
TW 1D	-----	-----
TW 2A	41.3	-2.4
TW 2B	127.0	-----
TW 2C	-----	-11.2
TW 2D	-----	-6.9
TW 3A	2.4	-32.2
TW 3B	-----	-99.1
TW 3C	11.3	-----
TW 3D	-----	-----
TW 4A	23.3	-2.4
TW 4B	70.5	-----
TW 4C	-----	-11.0
TW 4D	-----	-6.9
TW 5A	2.4	-14.2
TW 5B	-----	-43.0
TW 5C	11.3	-----
TW 5D	-----	-----
TW 6A	5.3	-2.4
TW 6B	14.5	-5.6
TW 6C	-----	-11.0
TW 6D	-----	-6.9
TW 7A	5.2	-3.4
TW 7B	16.4	-----
TW 7C	11.3	-----
TW 7D	-----	-----
TW 8A	3.4	-14.1
TW 8B	-----	-41.7
TW 8C	-----	-11.0
TW 8D	-----	-6.9
TW 9A	23.2	-3.4
TW 9B	69.3	-----
TW 9C	11.3	-----
TW 9D	-----	-----
TW 10A	3.4	-32.1
TW 10B	-----	-97.8
TW 10C	-----	-11.2
TW 10D	-----	-6.9
TW 11A	41.2	-3.4
TW 11B	126.1	-----
TW 11C	11.3	-----
TW 11D	-----	-----
TW 12A	3.4	-50.1
TW 12B	-----	-154.0

Revisions	
Revision	By



Job Title:
**WILLIAMS-BRICE STADIUM
VIDEO BOARD SUPPORT CONSTRUCTION**
UNIVERSITY OF SOUTH CAROLINA
COLUMBIA, SOUTH CAROLINA



Drawing Title:
**STRUCTURAL STEEL
MEMBER FORCES**

Scale: AS NOTED

Job Number: 11-136

Designed By: KWT

Drawn By: AGB

Checked By: DWS

Date: January 02, 2012

Sheet Number
S4.3
STATE PROJECT NO: E-27-0069-M