



Design Commissioned By Missouri Western
State University

Date 4/8/2016 RFP#

Spratt Stadium Field Speaker
System

4525 Downs Drive
Saint Joseph, MO 64507

816-271-5877

No.	REVISION / ISSUE	DATE
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NOTES

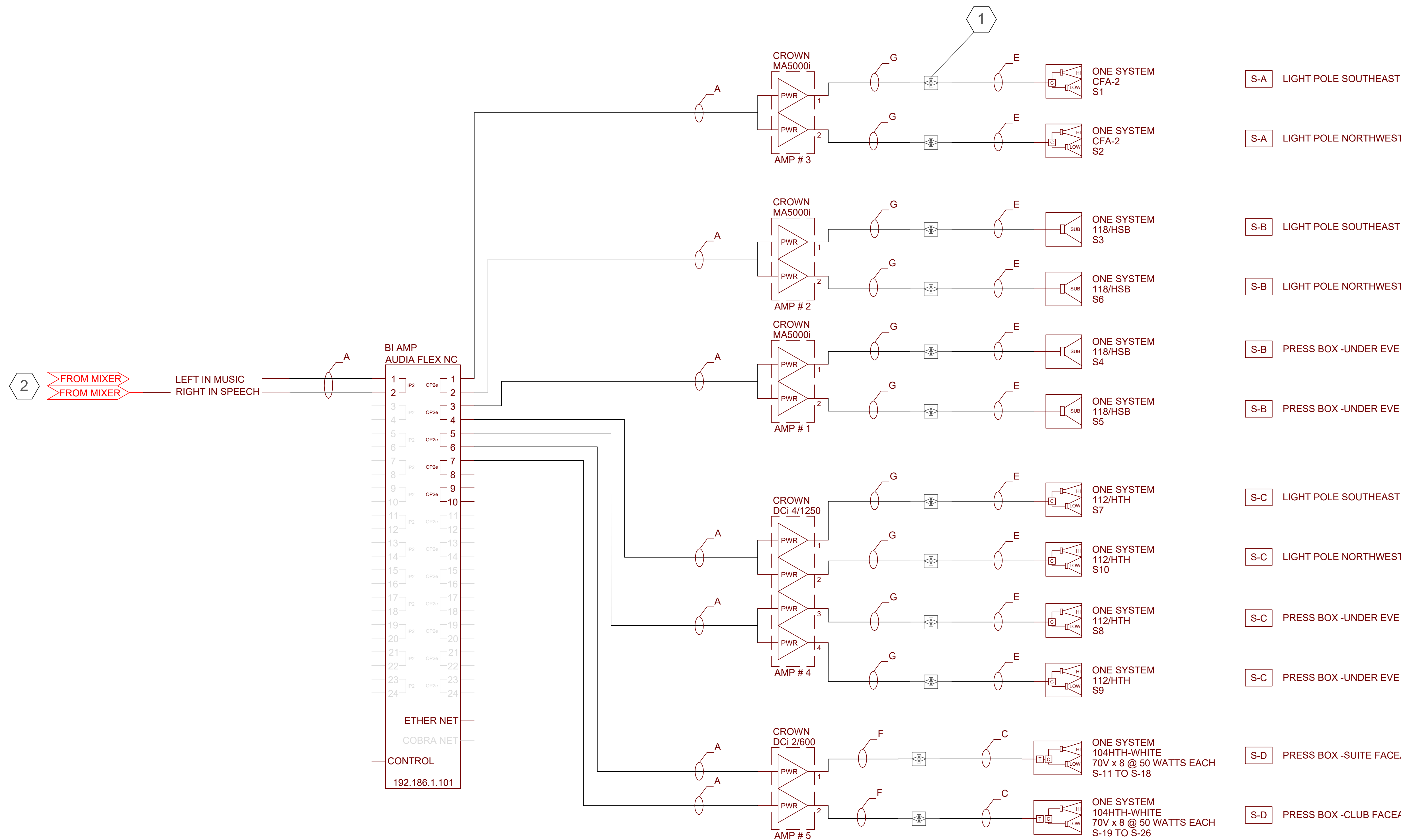
1 SPLICING JUNCTION BOX
ALL THE CABLE THAT IS GOING TO BE RUN ABOVE THE CEILING TILE NEEDS TO BE PLENUM CABLE. ALL THE CABLE THAT PENETRATES THE BUILDING AND IS EXPOSED TO THE ELEMENTS NEEDS TO BE UV RATED CABLE. THE SOUND CONTRACTOR NEEDS TO COORDINATE WITH THE PROJECT ELECTRICAL CONTRACTOR (RS ELECTRIC CORP) TO INSTALL A 4-11/16" SQUARE BY 2-1/8" DEEP BOX LIKE THE RACO 257 WITH A LID AT THE SIGHT OF THE PENETRATION IN THE PLENUM SPACE TO MAKE THE SPLICE BETWEEN THE PLENUM CABLE AND THE UV RATED CABLE. A TWO BAY TERMINAL STRIP NEEDS TO BE MOUNTED IN THE RACO BOX. USE THE CORRECT SIZE NON-INSULATED FORKED SPADES FOR THE SIZE OF THE WIRE AND THE SIZE OF THE SCREWS ON THE TERMINAL STRIP. A CONDUIT NEEDS TO THEN CONNECT TO AN EXTERIOR WEATHERPROOF BOX SUCH AS A HUBBELL PDB77550GY WITH APPROPRIATE GASKET SEALED COVER PLATE. THE EXTERIOR BOX SHALL BE SEALED ON THE TOP AND SIDES WITH A UV AND MILDEW RESISTANT CAULK. CABLE EXITING THE BOX ON THE BOTTOM CAN USE A NON-WEATHERPROOF CONNECTOR TO ALLOW THE BOX TO DRAIN. CABLES EXITING THE SIDES SHALL USE AN APPROPRIATELY SIZED WEATHERPROOF CABLE GLAND CONNECTOR SUCH AS HUBBLE SEC50GA. PROJECT ELECTRICAL CONTRACTOR (RS ELECTRIC CORP) WILL PROVIDE AND INSTALL ALL BOXES AND CONDUIT FOR BUILDING PENETRATION.

2 OWNER PROVIDED EQUIPMENT
MIXER WILL BE PROVIDED BY THE OWNER. THE MIXER WILL LIVE IN THE SOUND EQUIPMENT RACK. ANY THING THAT IS DRAWN IS RED WILL BE PROVIDED AND INSTALLED BY THE OWNER.

SHEET NUMBER

SS-1

WIRE LEGEND			
SYMBOL	VENDOR	MODEL #	DESCRIPTION
A	LIBERTY CABLE	22-1P-CMP-22-WHT	MIC CABLE SHIELDED PAIR OF 22AWG PLENUM- WHITE
B	LIBERTY CABLE	16-2C-BLK	SPEAKER CABLE 2 CONDUCTOR 16 AWG BURNAL- BLACK
C	LIBERTY CABLE	14-2C-DB-BLK	SPEAKER CABLE 2 CONDUCTOR 14 AWG DIRECT BURIAL- BLACK
D	LIBERTY CABLE	12-2C-DB-BLK	SPEAKER CABLE 2 CONDUCTOR 12 AWG DIRECT BURIAL- BLACK
E	LIBERTY CABLE	10-2C-DB-BLK	SPEAKER CABLE 2 CONDUCTOR 10 AWG DIRECT BURIAL- BLACK
F	LIBERTY CABLE	14-2C-P-WHT	SPEAKER CABLE 2 CONDUCTOR 14 AWG PLENUM- WHITE
G	LIBERTY CABLE	10-2C-TTP-WHT	SPEAKER CABLE 2 CONDUCTOR 10 AWG PLENUM- WHITE



1
SS-1
SOUND SYSTEM ONE LINE
SCALE: NONE



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SHEET NUMBER

SS-2A

SOUND SYMBOL LEGEND				
SYMBOL	DESCRIPTION	SOUND CONTRACTOR	ELECTRICAL CONTRACTOR	NOTES
S-A#	SPEAKER ONE SYSTEM CFA-2	PROVIDED AND INSTALLED BY SOUND CONTRACTOR.	ELECTRICAL CONTRACTOR TO PROVIDE 4-11/16" SQUARE 2-1/8" DEEP BOX LIKE RACO 257 WITH A SINGLE GANG MUD RING. RUN CONDUIT BACK TO RK-1. SEE SOUND CONTRACTOR FOR SIZE OF CONDUIT AND PATH.	POUND SIGN = SPEAKER NUMBER
S-B#	SPEAKER SUB ONE SYSTEM 118/HSB	PROVIDED AND INSTALLED BY SOUND CONTRACTOR.	ELECTRICAL CONTRACTOR TO PROVIDE 4-11/16" SQUARE 2-1/8" DEEP BOX LIKE RACO 257 WITH A SINGLE GANG MUD RING. RUN CONDUIT BACK TO RK-1. SEE SOUND CONTRACTOR FOR SIZE OF CONDUIT AND PATH.	POUND SIGN = SPEAKER NUMBER
S-C#	SPEAKER ONE SYSTEM 112/HSB	PROVIDED AND INSTALLED BY SOUND CONTRACTOR.	ELECTRICAL CONTRACTOR TO PROVIDE 4-11/16" SQUARE 2-1/8" DEEP BOX LIKE RACO 257 WITH A SINGLE GANG MUD RING. RUN CONDUIT BACK TO RK-1. SEE SOUND CONTRACTOR FOR SIZE OF CONDUIT AND PATH.	POUND SIGN = SPEAKER NUMBER
S-D#	SPEAKER ONE SYSTEM 104HTH-WITE	PROVIDED AND INSTALLED BY SOUND CONTRACTOR.	ELECTRICAL CONTRACTOR TO PROVIDE 4-11/16" SQUARE 2-1/8" DEEP BOX LIKE RACO 257 WITH A SINGLE GANG MUD RING. RUN CONDUIT BACK TO RK-1. SEE SOUND CONTRACTOR FOR SIZE OF CONDUIT AND PATH.	POUND SIGN = SPEAKER NUMBER
RK-1	SOUND EQUIPMENT RACK MIDDLE ATLANTIC WRK-44-32 & SPN-44-312	PROVIDED AND INSTALLED BY OWNER.	ALL HIGH VOLTAGE WIRING TO BE DONE BY ELECTRICAL CONTRACTOR. ALL THE CONDUIT FOR THE LOW VOLTAGE WIRING IS TO BE DONE BY THE OWNER. SOUND SYSTEM NEEDS 9 ISOLATED GROUND 20 AMP CIRCUITS. WIRE AS PER DRAWING 1 ON SS-2.	



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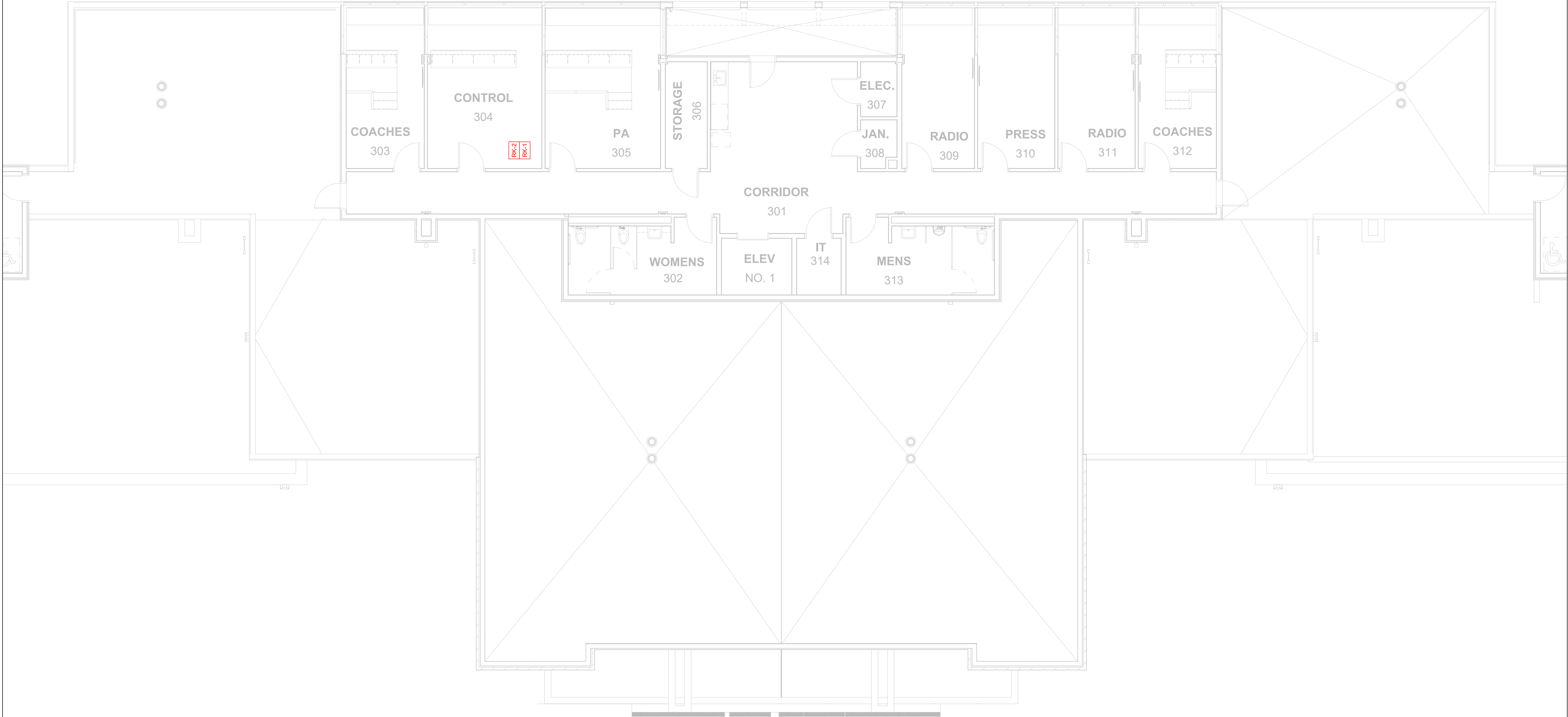
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SHEET NUMBER

SS-3



1
SS-3

SOUND SYSTEM FLOOR PLAN
SCALE: 3/16" = 1'-0"

Spratt Stadium Field Speaker
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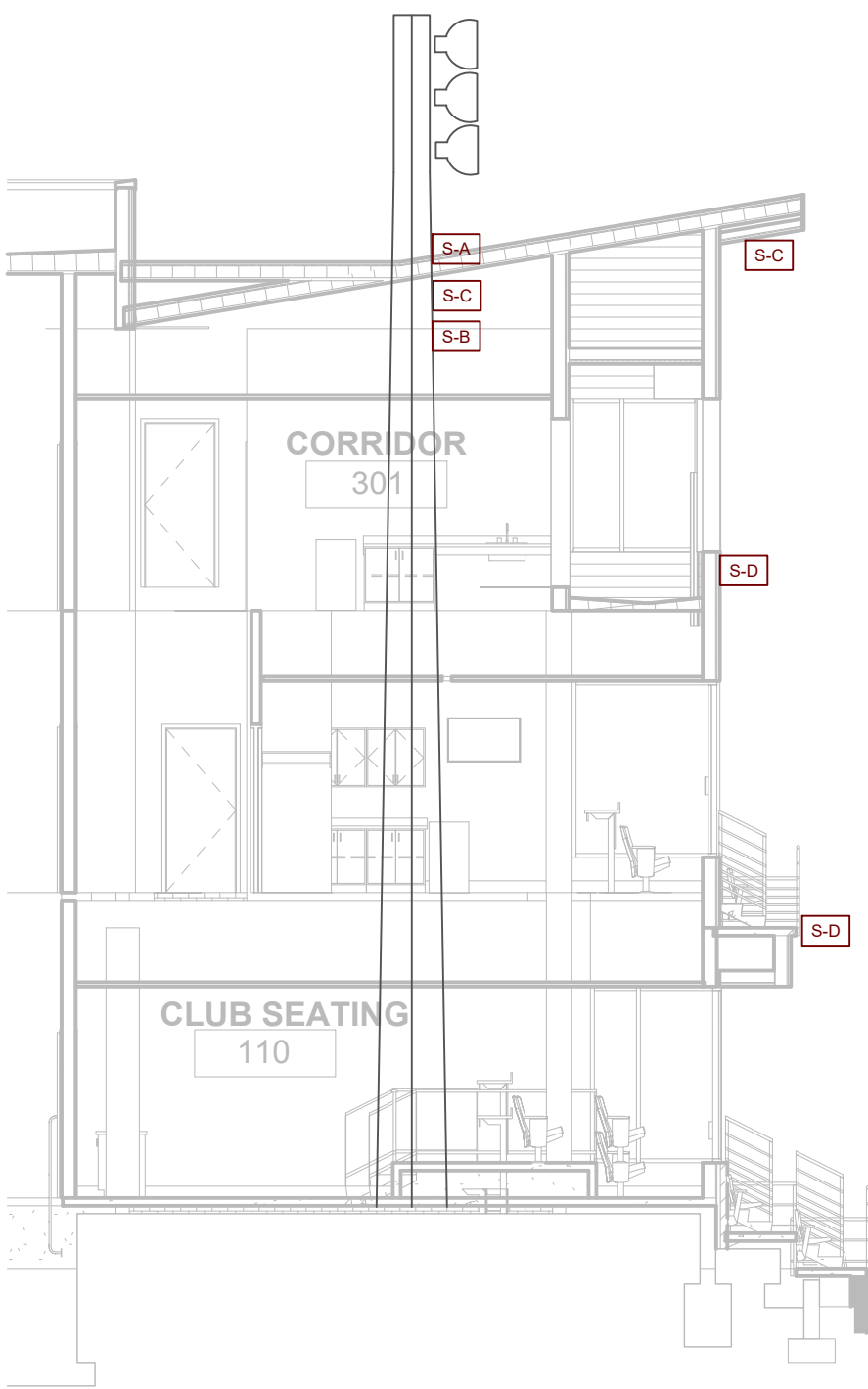
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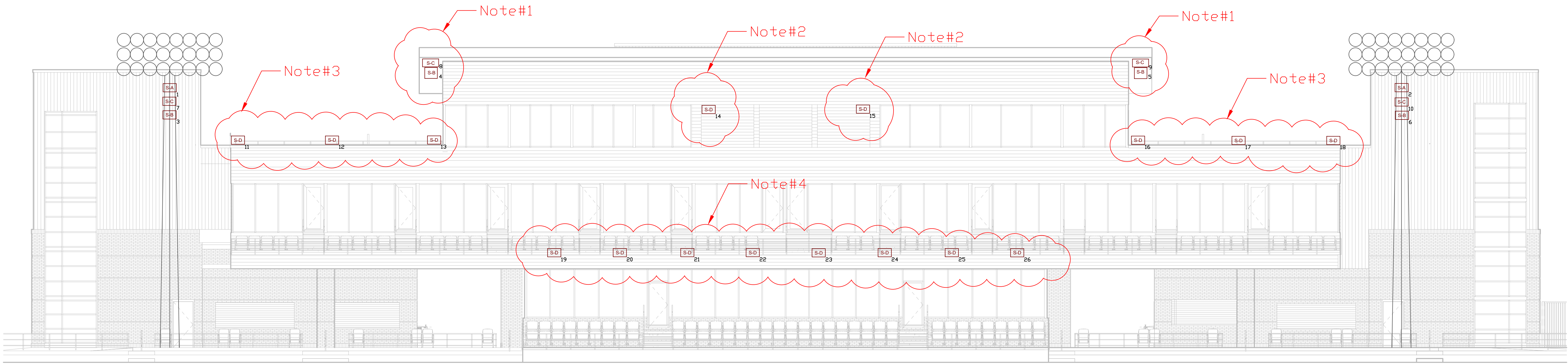
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NOTES

Note#1 - Speakers S-C 8 & 9 and Speakers S-B 4 & 5 are moved to the ends of the roof with the S-C speakers mounted as far forward toward the field as possible and then S-B speakers mounted behind.
Note#2 - Speakers S-D 14 & 15 are moved to the upper corners of the "Broadcast Camera Nest".
Note#3 - Speakers S-D 11 through 13 and 16 through 19 are moved up to mount on the hand rail at the roof level.
Note#4 - Speakers S-D 19 through 26 are moved up to the front of the suite level balcony and mounted to the 6" angle steel hand rail structure.



1 SOUND SYSTEM SPEAKER LAYOUT
SS-4 SCALE: 1/8" = 1'-0"



2 SOUND SYSTEM SPEAKER LAYOUT
SS-4 SCALE: 1/8" = 1'-0"

SHEET NUMBER

SS-4

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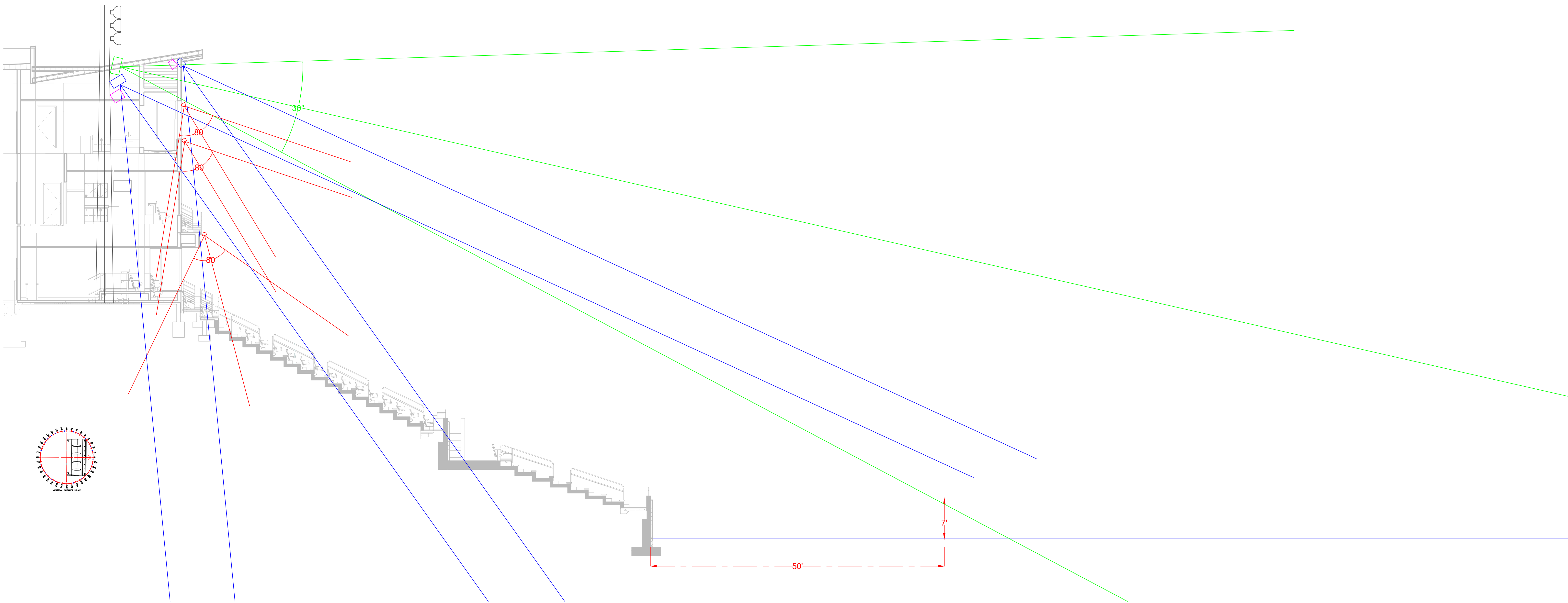
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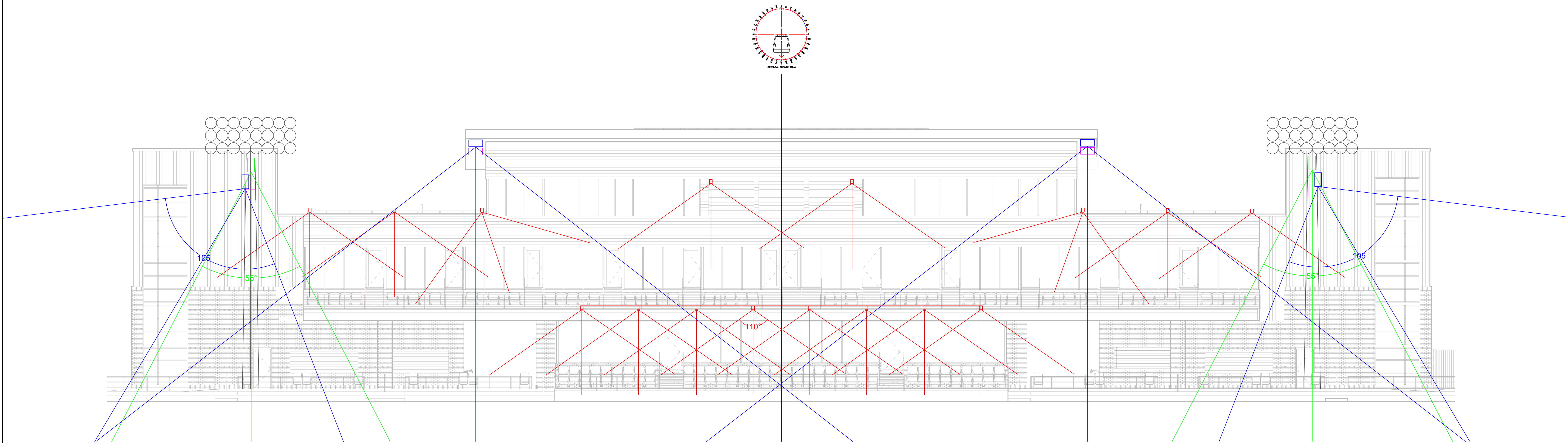
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SHEET NUMBER

SS-5



1
SS-5
SOUND SYSTEM SPEAKER COVERAGE
SCALE: 1/8" = 1'-0"



2
SS-5
SOUND SYSTEM SPEAKER COVERAGE
SCALE: 1/8" = 1'-0"



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SHEET NUMBER

SS-6

