

CABLE SCHEDULE AND RF SYSTEM DESIGN PLAN												
SECTOR	ANTENNA POSITION	ANTENNA STATUS	TECHNOLOGY/FREQUENCY	MAKE	MODEL	RAD CTR. FT. AGL	AZMUTH	RRH/TMA QUANTITY AND MODEL	TRANSMISSION CABLE			
									LENGTH	STATUS	QUANTITY	TYPE
ALPHA	#1	PROPOSED	LTE 700 LTE 850 LTE WCS	CCI	TPA45R-KUBA	41'-10'	40°	(1) PROPOSED 4490 B5/B12A	±160'	PROPOSED PROPOSED	1 3	0.4" FIBER 0.92" DC POWER
	#2	PROPOSED	5G CBAND 5G DOD	ERICSSON	AIR6472 B77G B77M	44'-4"	40°	(1) PROPOSED INTEGRATED WITHIN: AIR6472 B77G B77M				
	#3	PROPOSED	LTE 700 LTE 1900 LTE AWS	CCI	TPA45R-KUBA	41'-10'	40°	(1) PROPOSED 4494 B14/B29 (1) PROPOSED 4890 B25/B66				
BETA	#4	PROPOSED	LTE 700 LTE 850 LTE WCS	CCI	TPA45R-KUBA	33'-11"	130°	(1) PROPOSED 4490 B5/B12A	±180'	PROPOSED PROPOSED	1 3	0.4" FIBER 0.92" DC POWER
	#5	PROPOSED	5G CBAND 5G DOD	ERICSSON	AIR6472 B77G B77M	36'-5"	130°	(1) PROPOSED INTEGRATED WITHIN: AIR6472 B77G B77M				
	#6	PROPOSED	LTE 700 LTE 1900 LTE AWS	CCI	TPA45R-KUBA	33'-11"	130°	(1) PROPOSED 4494 B14/B29 (1) PROPOSED 4890 B25/B66				
GAMMA	#7	PROPOSED	LTE 700 LTE 850 LTE WCS	CCI	TPA45R-KUBA	30'-10"	220°	(1) PROPOSED 4490 B5/B12A	±15'	PROPOSED PROPOSED	1 3	0.4" FIBER 0.92" DC POWER
	#8	PROPOSED	5G CBAND 5G DOD	ERICSSON	AIR6472 B77G B77M	33'-4"	220°	(1) PROPOSED INTEGRATED WITHIN: AIR6472 B77G B77M				
	#9	PROPOSED	LTE 700 LTE 1900 LTE AWS	CCI	TPA45R-KUBA	30'-10"	220°	(1) PROPOSED 4494 B14/B29 (1) PROPOSED 4890 B25/B66				
DELTA	#10	PROPOSED	LTE 700 LTE 850 LTE WCS	CCI	TPA45R-KUBA	30'-10"	310°	(1) PROPOSED 4490 B5/B12A	±15'	PROPOSED PROPOSED	1 3	0.4" FIBER 0.92" DC POWER
	#11	PROPOSED	5G CBAND 5G DOD	ERICSSON	AIR6472 B77G B77M	33'-4"	310°	(1) PROPOSED INTEGRATED WITHIN: AIR6472 B77G B77M				
	#12	PROPOSED	LTE 700 LTE 1900 LTE AWS	CCI	TPA45R-KUBA	30'-10"	310°	(1) PROPOSED 4494 B14/B29 (1) PROPOSED 4890 B25/B66				
GPS									PROPOSED 1			
TOTAL # OF ANTENNAS: 12												
(8) PROPOSED TPA45R-KUBA ANTENNAS (2 PER SECTOR)					PROPOSED RRH'S			PROPOSED DC9				
(4) PROPOSED AIR6472 B77G B77M ANTENNA (1 PER SECTOR)					(4) PROPOSED 4494 B14/B29 (1 PER SECTOR)			(4) PROPOSED RAYCAP DC9-48-60-24-PC16-EV				
					(4) PROPOSED 4890 B25/B66 (1 PER SECTOR)							
					(4) PROPOSED 4490 B5/B12A (1 PER SECTOR)							
NEW EQUIPMENT: YES EQUIPMENT SHELTER SIZE: N/A												

NOTES:

- SUBCONTRACTOR SHALL COORDINATE COLOR CODING WITH THE MASTER COLOR CODE DOCUMENT.
- INSTALL SURGE ARRESTORS ON NEW MAIN COAXIAL CABLES. GROUND TO NEAREST GROUND BAR.
- SUB CONTRACTOR SHALL INSTALL A BRASS IDENTIFICATION TAG (1 1/2" IN DIAMETER WITH 1/4" STAMPED LETTERS AND NUMBERS, ONE AT THE ANTENNA PORT CONNECTION NEAR THE END OF THE JUMPER AND ONE ON EACH END OF THE JUMPER SERVING THE RADIO EQUIPMENT. EACH TAG WILL BE STAMPED WITH "ATT" AND THE ANTENNA PORT IDENTIFICATION NUMBER. TAGS SHALL BE ATTACHED WITH CORROSION PROOF UV RESISTANT WIRE OR CABLE-TY.

RF DESIGN NOTE:

This Antenna and Coax Cable schedule has been created using the RFDS ID 14541 PRELIMINARY dated 03/12/2024.
All antenna design, zoning, structural analysis, permits and compliance submissions are coordinated with the fore mentioned document.



9000 MENDENHALL CT
COLUMBIA, MD 21045



FA NUMBER: 10087362
VALLEY PARK
527 E MAPLE AVE
VIENNA, VA 22180

SEAL:



SUBMITTALS

DATE	DESCRIPTION	REV.
11-22-2022	CONSTRUCTION REVIEW	A
01-30-2023	CONSTRUCTION	0
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02-28-2025	ADD GAS DESIGN	3
04-16-2025	REVIEW REDLINES	4
06-09-2025	REMOVE GENERATOR	5

PROJECT NO: 1152.443

DESIGNER: M.A.

ENGINEER: C.S.

THESE DRAWINGS ARE FORMATTED
TO BE FULL-SIZE AT 22"X34"

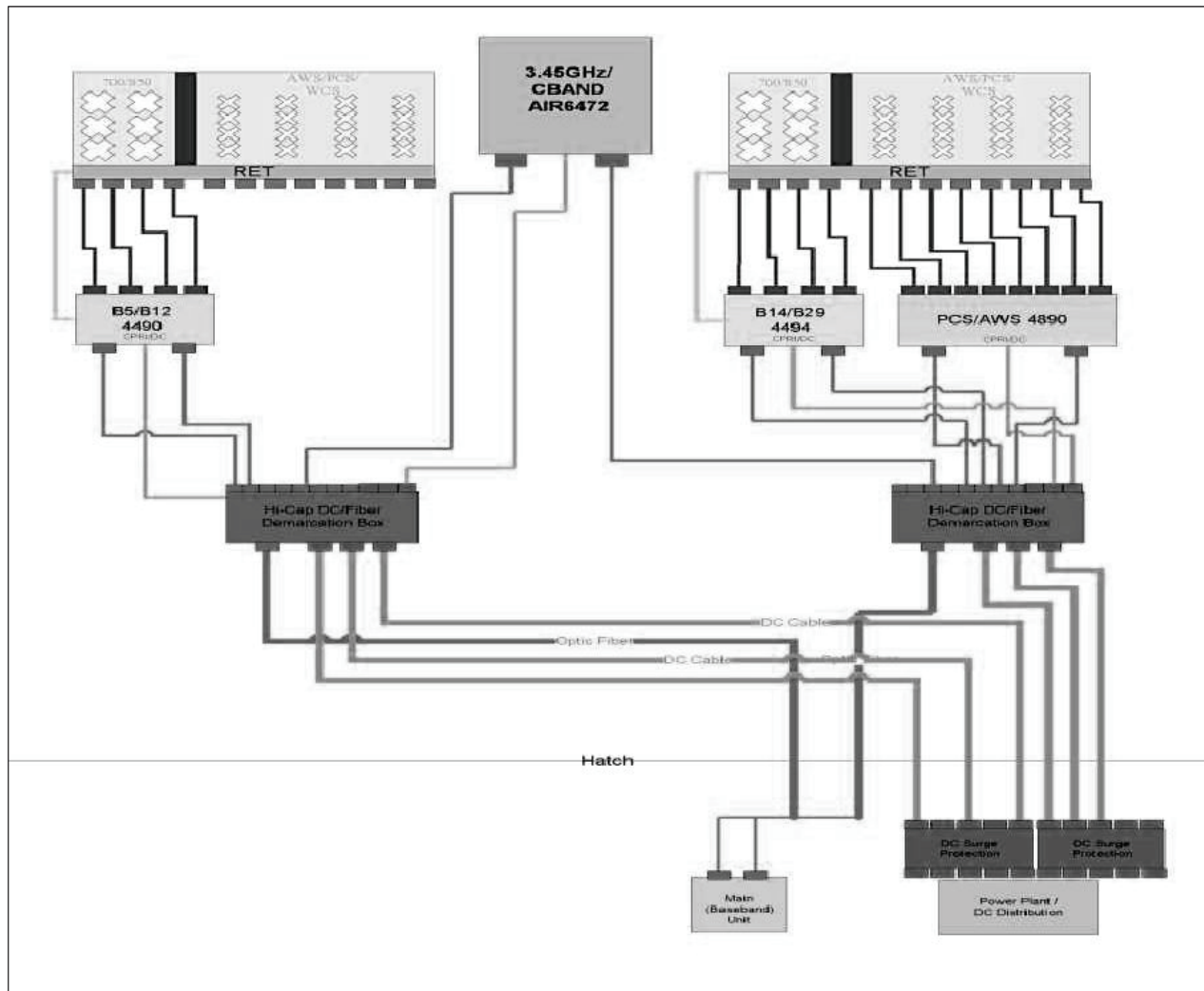
GRAPHIC SCALE IN INCHES

SHEET TITLE:

ANTENNA
SCHEDULE

SHEET NUMBER:

S-1



ANTENNA & RF SYSTEM DIAGRAM
SCALE: N.T.S.

1
S-2



9000 MENDENHALL CT
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PHONE: (202) 408-0960



10 CHURCH CIRCLE
ANNAPOLIS, MD 21401
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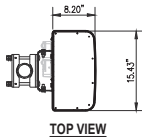
GRAPHIC SCALE IN INCHES

SHEET TITLE:

ANTENNA & RF
SYSTEM DIAGRAM

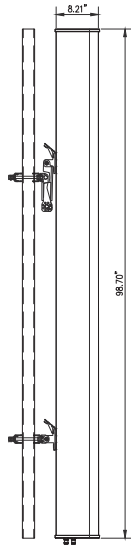
SHEET NUMBER:

S-2

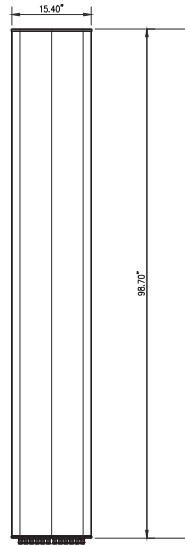


ANTENNA MODEL:
CCI TPA-45R-KU8A
SIZE: 96.7\"/>

TOP VIEW



SIDE VIEW

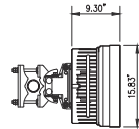


FRONT VIEW

CCI TPA-45R-KU8A ANTENNA DETAIL

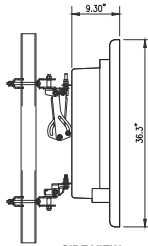
SCALE: 1" = 1'-0"

1
S-3

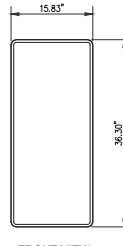


ANTENNA MODEL:
ERICSSON AIR6472 B77G & B77M
SIZE: 36.3\"/>

TOP VIEW



SIDE VIEW

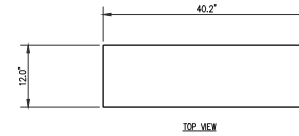


FRONT VIEW

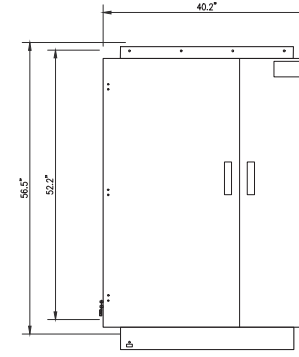
ERICSSON
AIR6472 B77G & B77M ANTENNA

SCALE: 1" = 1'-0"

2
S-3



TOP VIEW



FRONT VIEW
WEIGHT : 165 LBS

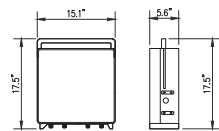
OVERVOLTAGE PROTECTION & POWER
MANAGEMENT JUNCTION BOX DC50-48-60-96-50F

SCALE: 1" = 1'-0"

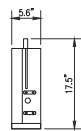
3
S-3



PLAN VIEW



FRONT VIEW

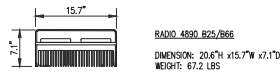


SIDE VIEW

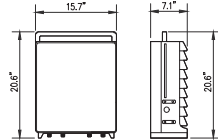
RRH 4494 B14/B29 DETAIL

SCALE: 1" = 1'-0"

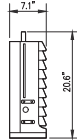
4
S-3



PLAN VIEW



FRONT VIEW

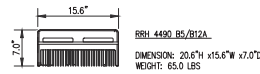


SIDE VIEW

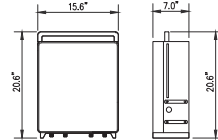
RRH 4890 B25/B66 DETAIL

SCALE: 1" = 1'-0"

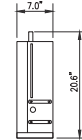
5
S-3



PLAN VIEW



FRONT VIEW

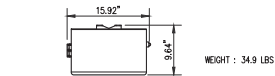


SIDE VIEW

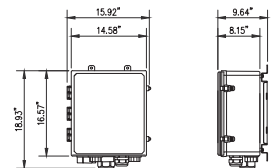
RRH 4490 B5/B12A DETAIL

SCALE: 1" = 1'-0"

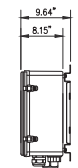
6
S-3



PLAN VIEW



FRONT VIEW



SIDE VIEW

RAYCAP DC9-48-60-24-PC16-EV

SCALE: 1" = 1'-0"

7
S-3



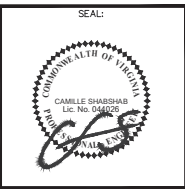
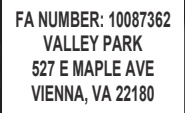
900 MENDENHALL CT
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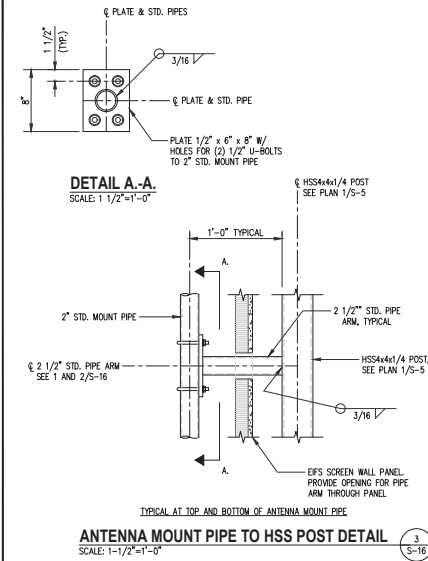
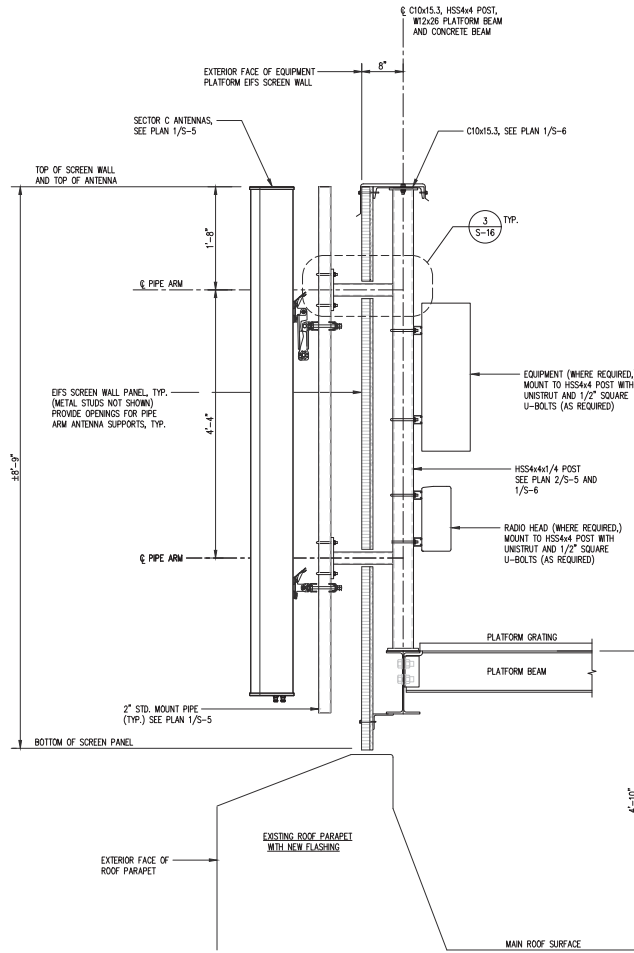
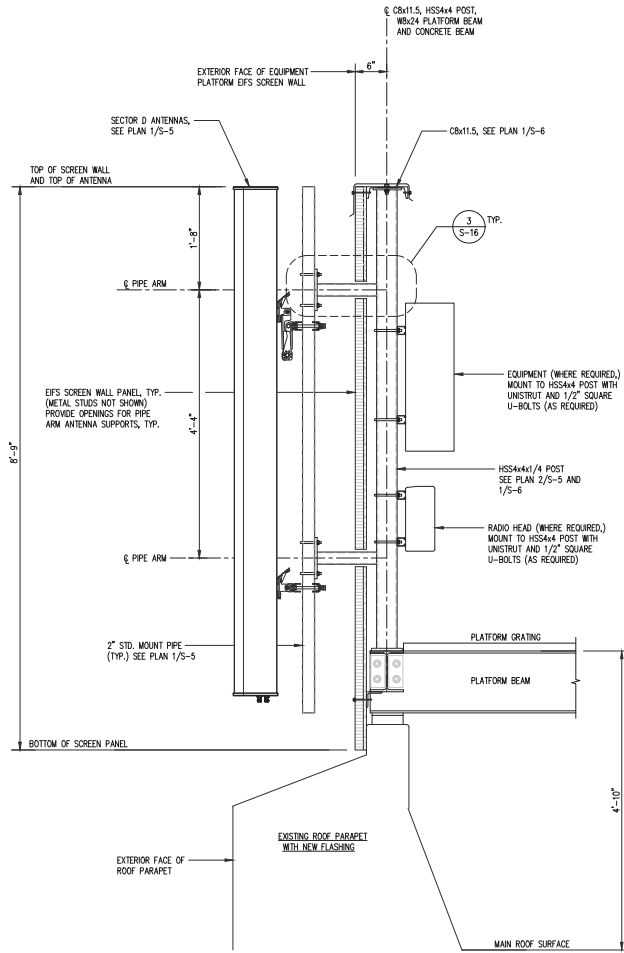
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PROJECT NO:	1152.443
DESIGNER:	M.A.
ENGINEER:	C.S.
THESE DRAWINGS ARE FORMATED TO BE FULL-SIZE AT 22"X34"	
GRAPHIC SCALE IN INCHES	
SHEET TITLE:	

ANTENNA &
RRH DETAILS

SHEET NUMBER:

S-3



SUBMITTALS		
DATE	DESCRIPTION	REV.
11-22-2022	CONSTRUCTION REVIEW	A
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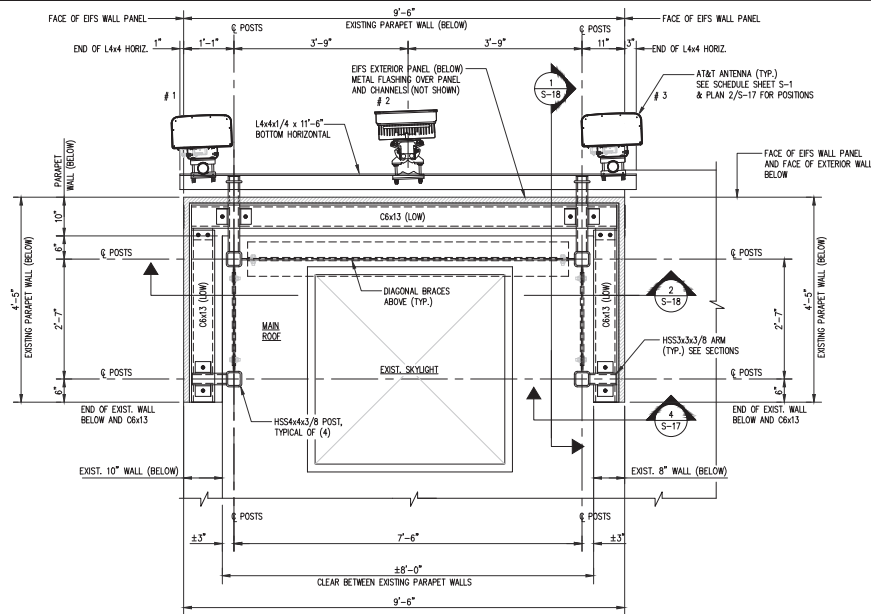
PROJECT NO: 1152.443
DESIGNER: TMF
ENGINEER: C.S.

THESE DRAWINGS ARE FORMATTED
TO BE FULL-SCALE AT 22/5/24
GRAPHIC SCALE IN INCHES

SHEET TITLE:
**ANTENNA
SECTORS C AND D
SUPPORT DETAILS**

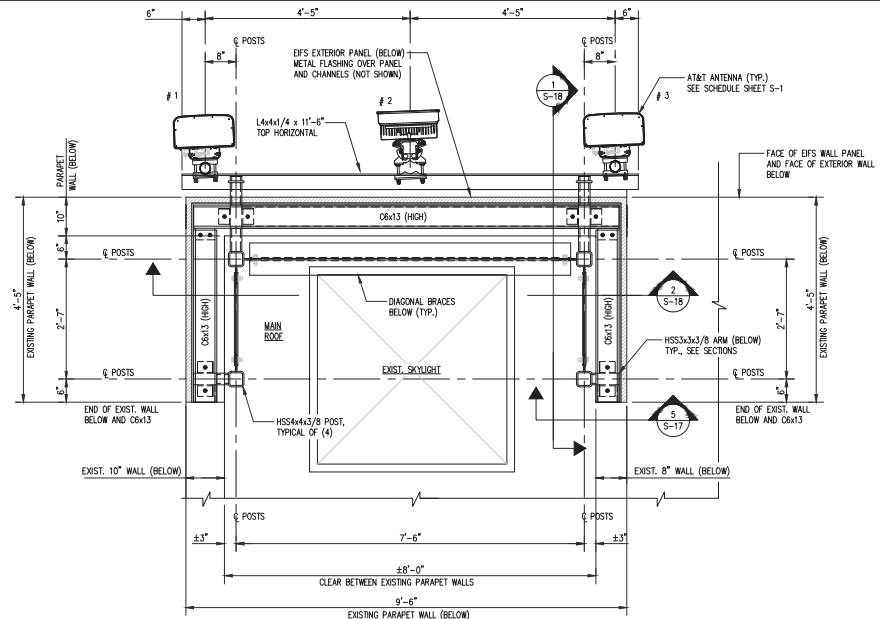
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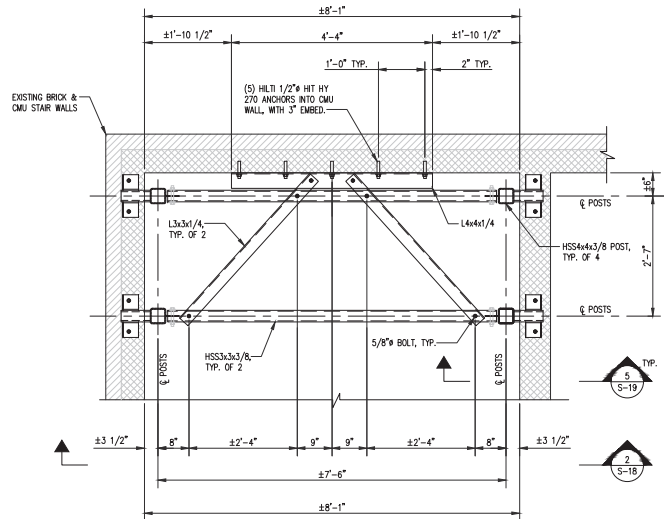
SECTOR A - SCREEN WALL BOTTOM FRAMING PLAN

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



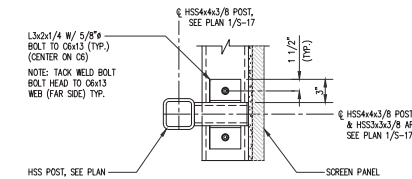
SECTOR A - SCREEN WALL TOP FRAMING PLAN

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

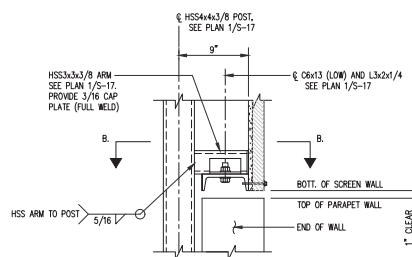


SECTOR A - SCREEN WALL POST PLAN INSIDE STAIRWELL

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

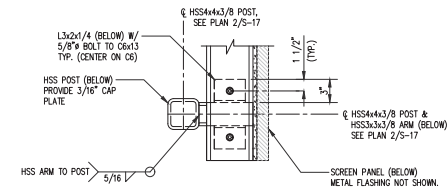


PLAN B-B.

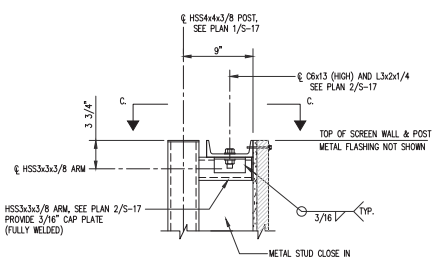


SECTOR A - SCREEN BOTTOM SUPPORT DETAILS

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



PLAN C-C.



SECTOR A - SCREEN TOP SUPPORT DETAILS

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



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FA NUMBER: 10087362
VALLEY PARK
527 E MAPLE AVE
VIENNA, VA 22180

SEAL:



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PROJECT NO: 1152.443

DESIGNER: M.A.

ENGINEER: C.S.

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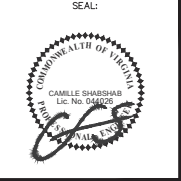
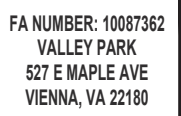
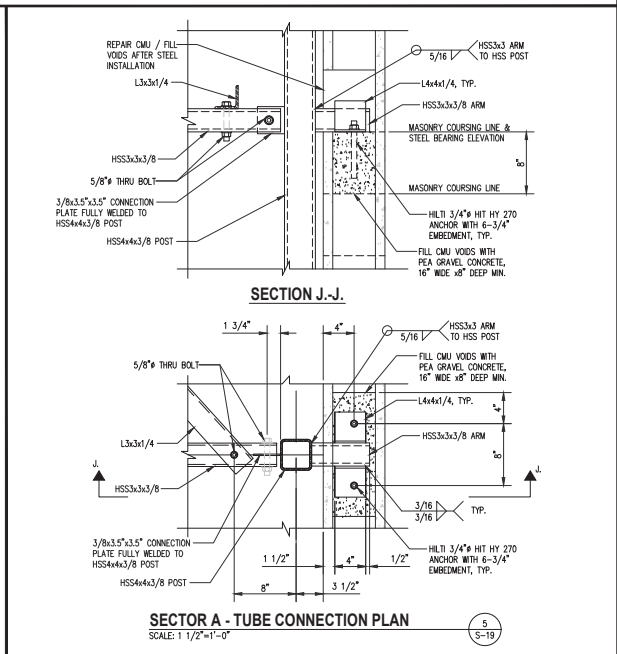
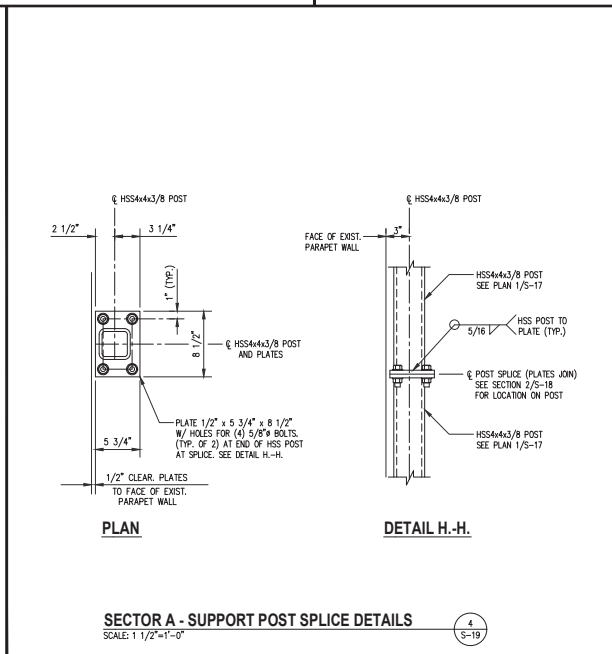
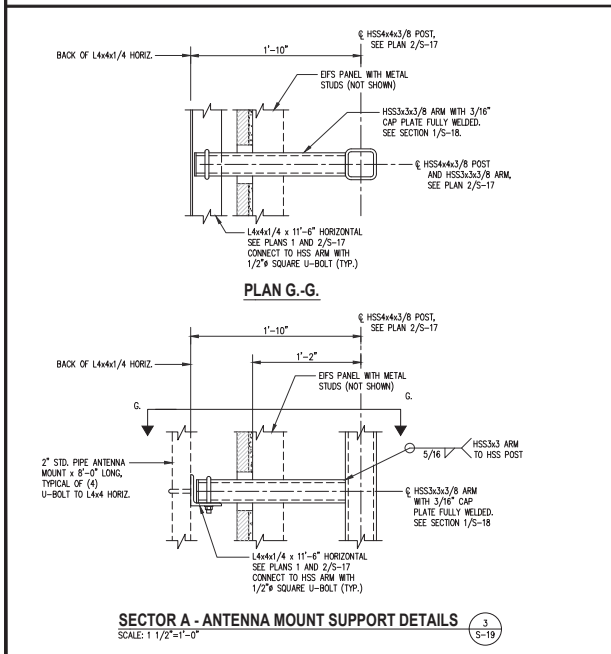
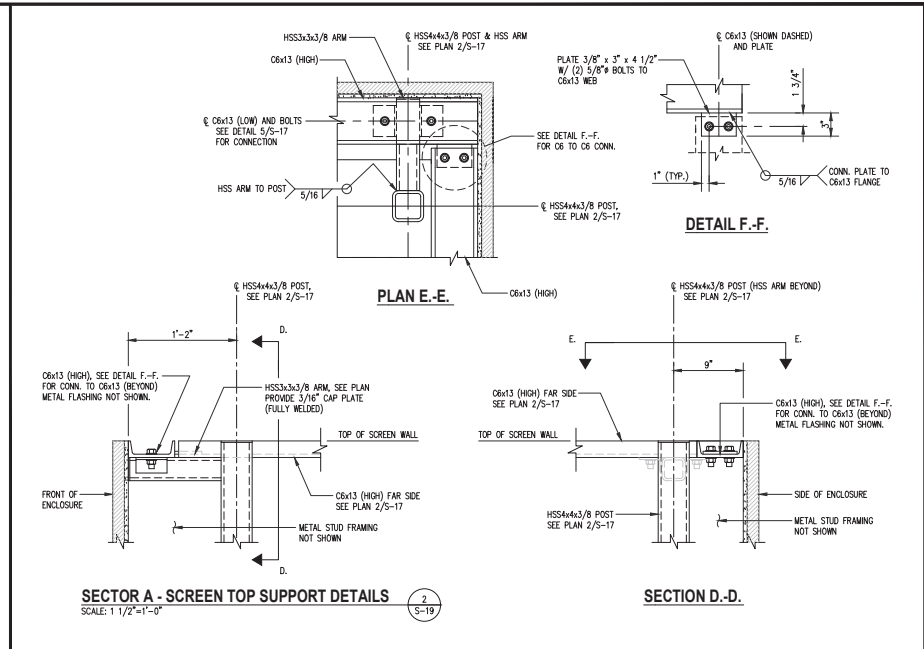
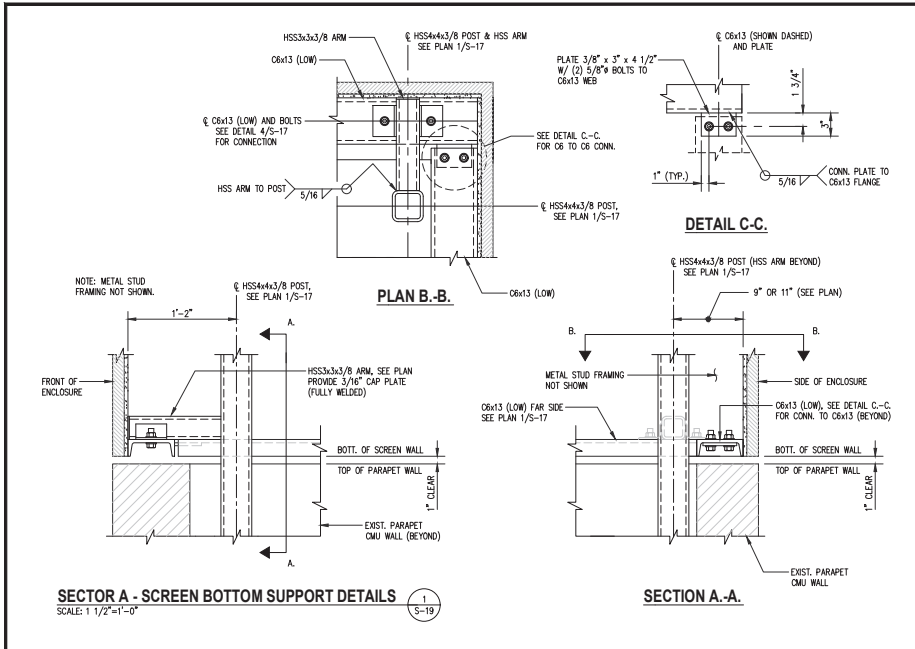
GRAPHIC SCALE IN INCHES

SHEET TITLE:

ANTENNA
SECTOR A SUPPORT
PLANS AND DETAILS

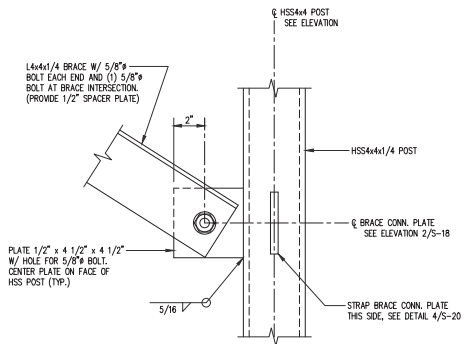
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S-17



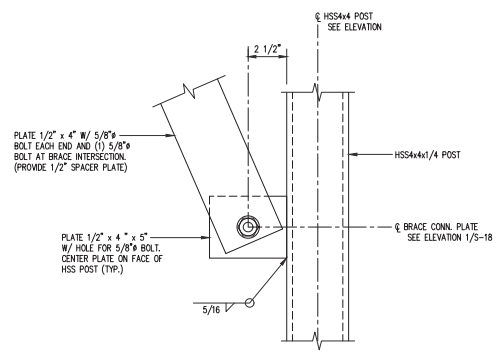
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ENGINEER:	C.S.
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SHEET TITLE:	
ANTENNA SECTOR A SUPPORT DETAILS	
SHEET NUMBER:	
S-19	



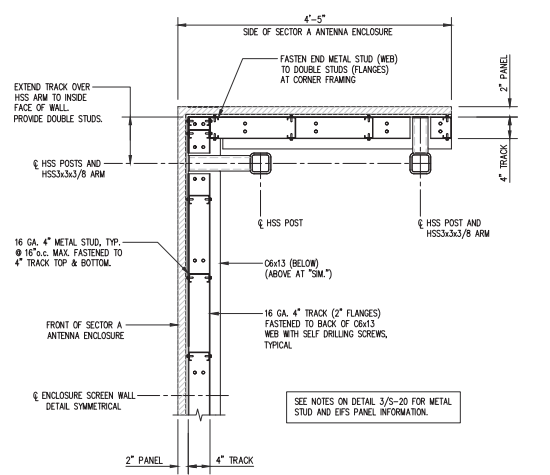
BRACE BOTTOM CONN. SHOWN, TOP CONNECTION SIMILAR.
BRACE CONNECTION DETAIL
 SCALE: 3"=1'-0"

1
S-20

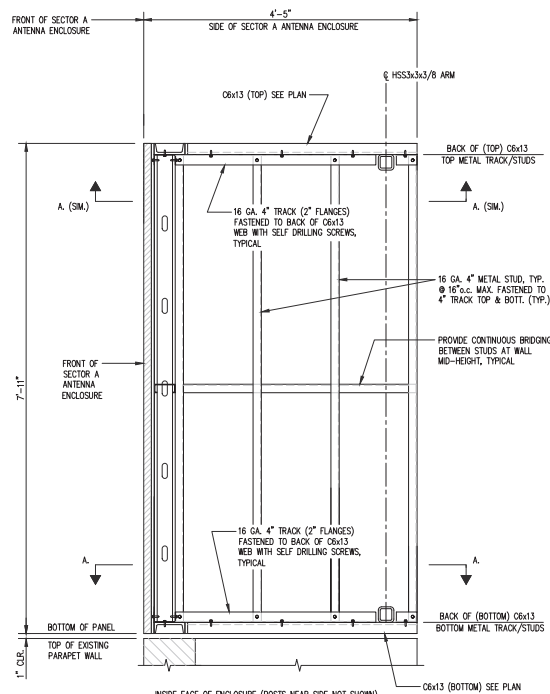


BRACE BOTTOM CONN. SHOWN, TOP CONNECTION SIMILAR.
STRAP BRACE CONNECTION DETAIL
 SCALE: 3"=1'-0"

4
S-20

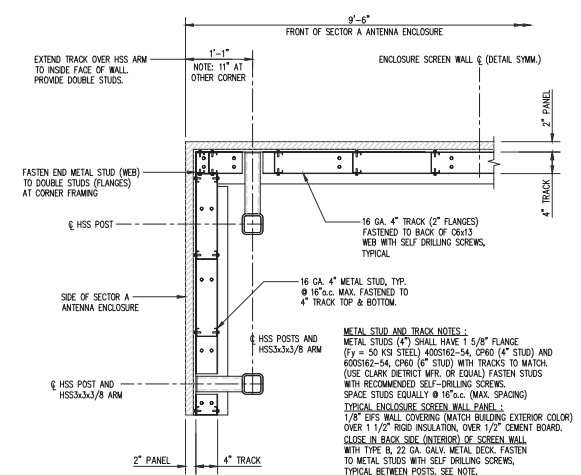


PLAN A-A

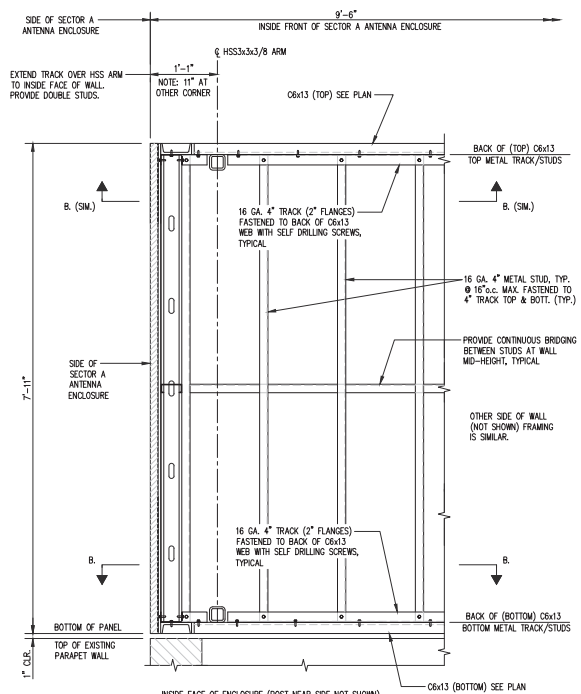


SCREEN WALL FRAMING ELEVATION
 SCALE: 1"=1'-0"

2
S-20



PLAN B-B



SCREEN WALL FRAMING ELEVATION
 SCALE: 1"=1'-0"

3
S-20

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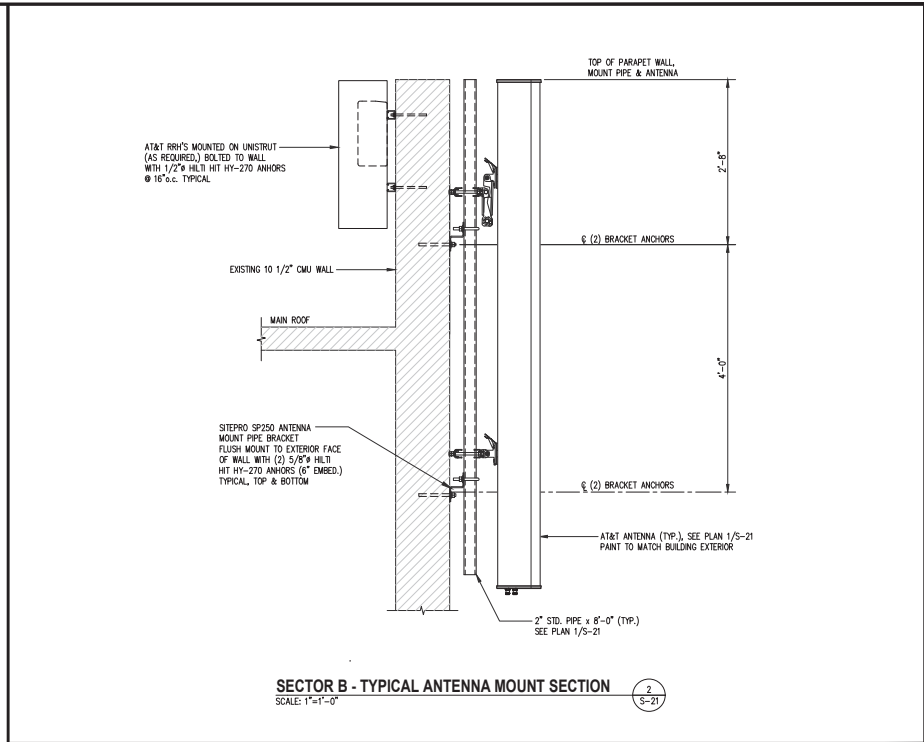
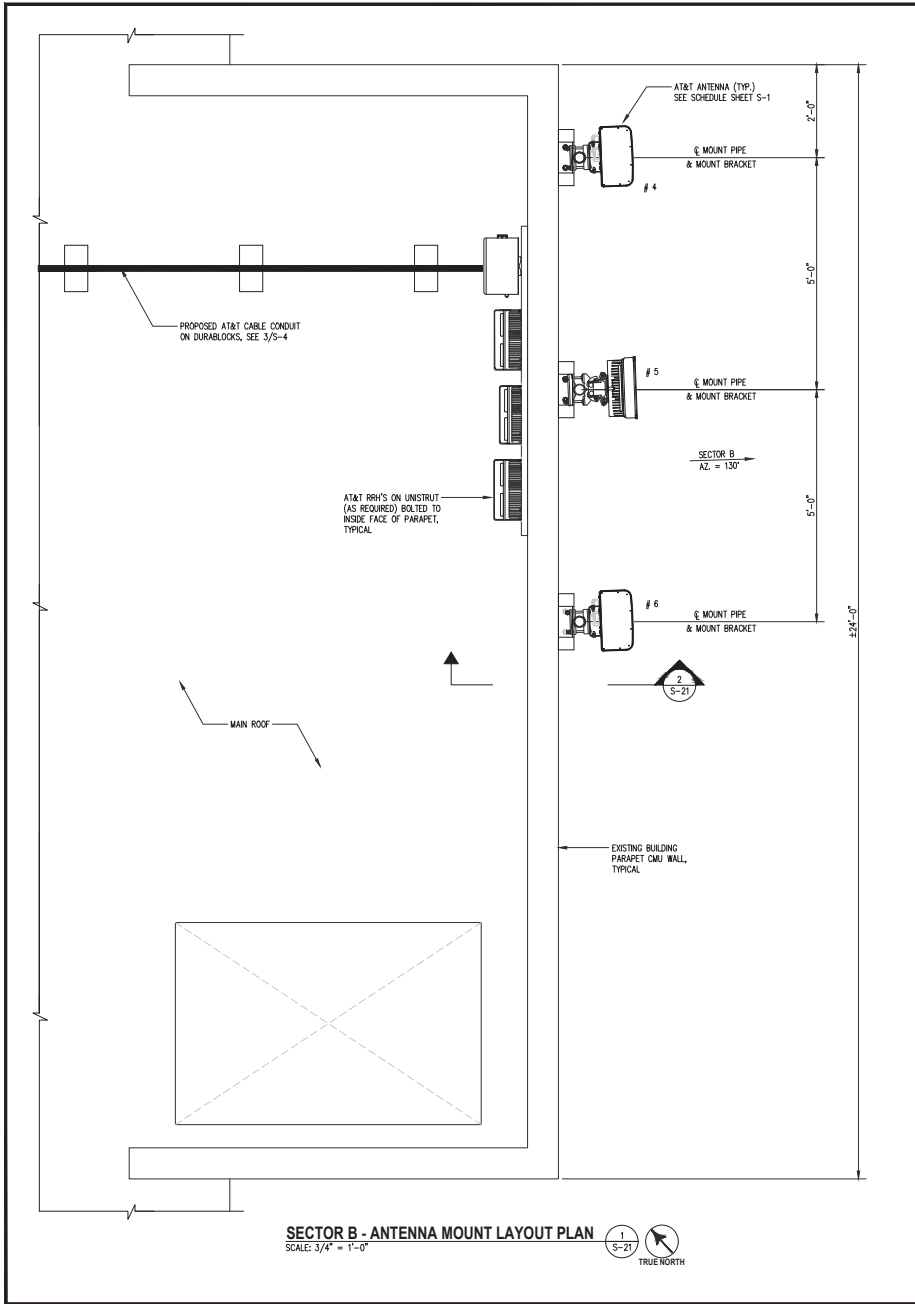
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11-22-2022	CONSTRUCTION REVIEW	A
01-30-2023	CONSTRUCTION	0
12-09-2024	REV. PER 03/02/2024 RFDS	1
12-18-2024	REMOVE FUTURE ANTENNA	2
02-28-2025	ADD GAS DESIGN	3
04-16-2025	REVIEW REDLINES	4
06-09-2025	REMOVE GENERATOR	5

PROJECT NO: 1152.443
 DESIGNER: TMF
 ENGINEER: C.S.

THESE DRAWINGS ARE FORMATTED TO BE PLOTTED AT 22/04
 0 1/2 1
 GRAPHIC SCALE IN INCHES

SHEET TITLE:
**ANTENNA
 SECTOR A SUPPORT
 DETAILS**

SHEET NUMBER:
S-20



SUBMITTALS		
DATE	DESCRIPTION	REV.
11-22-2022	CONSTRUCTION REVIEW	A
01-30-2023	CONSTRUCTION	0
12-09-2024	REV. PER 03/12/2024 RFDS	1
12-18-2024	REMOVE FUTURE ANTENNA	2
02-28-2025	ADD GAS DESIGN	3
04-16-2025	REVIEW REDLINES	4
06-09-2025	REMOVE GENERATOR	5

PROJECT NO: 1152.443
DESIGNER: M.A.
ENGINEER: C.S.

THESE DRAWINGS ARE FORMATTED TO BE FULL-SIZE AT 2275x4
0 1/2 1
GRAPHIC SCALE IN INCHES

SHEET TITLE:
**ANTENNA
SECTOR B SUPPORT
PLAN AND DETAILS**

SHEET NUMBER:

S-21