



ENGINEER
 DEPARTMENT OF
 ENVIRONMENTAL SERVICES
 FACILITIES & ENGINEERING DIVISION
 ENGINEERING BUREAU
 2100 CLARENDON BOULEVARD, SUITE 813
 ARLINGTON, VA 22201
 PHONE: 703.228.3629 FAX: 703.228.3606
 WWW.ARLINGTONVA.US

OWNER
 DES/OD/WPCP

CONTRACTOR
 TO BE DETERMINED

CONSULTANT
 VOLKERT, INC.
 6225 BRANDON AVENUE, SUITE 540
 SPRINGFIELD, VA 22150
 PHONE: 703.642.8100 FAX: 703.642.8106
 WWW.VOLKERT.COM

CONSTRUCTION DRAWINGS FOR:

TRANSITWAY EXTENSION TO PENTAGON CITY STATION DESIGN

DRAWINGS ARE TO BE INCORPORATED INTO THE OVERALL CIVIL PLAN SET OF THE PROJECT. ALL DRAWINGS AND SPECIFICATIONS ARE TO BE INCLUDED IN THE CONSTRUCTION DOCUMENTS.

Sheet List

Sheet Number	Sheet Title
1	GENERAL NOTES & ABBREVIATIONS
2	LCD MONITOR STANCHION AND STATION FLAG SIGN FOUNDATION
3	STATION FLAG SIGN
4	FLAG SIGN FRAME ASSEMBLY
5	12TH ST S ELECTRICAL AND COMMUNICATION PLAN
6	CRYSTAL DR ELECTRICAL AND COMMUNICATION PLAN

ARLINGTON
VIRGINIA

DEPARTMENT OF
 ENVIRONMENTAL SERVICES
 FACILITIES & ENGINEERING DIVISION
 ENGINEERING BUREAU
 2100 CLARENDON BOULEVARD, SUITE 813
 ARLINGTON, VA 22201
 PHONE: 703.228.3629
 FAX: 703.228.3606

COPYRIGHT © 2016 ARLINGTON COUNTY
 VIRGINIA - ALL RIGHTS RESERVED



APPROVALS DATE

DESIGN TEAM ENGINEER SUPERVISOR

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

REVISIONS DATE

REVISIONS	DATE

PROJECT NAME AND LOCATION
**TRANSITWAY EXTENSION TO
 PENTAGON CITY STATION DESIGN**

COVER SHEET
 MA13 - SEGMENT I

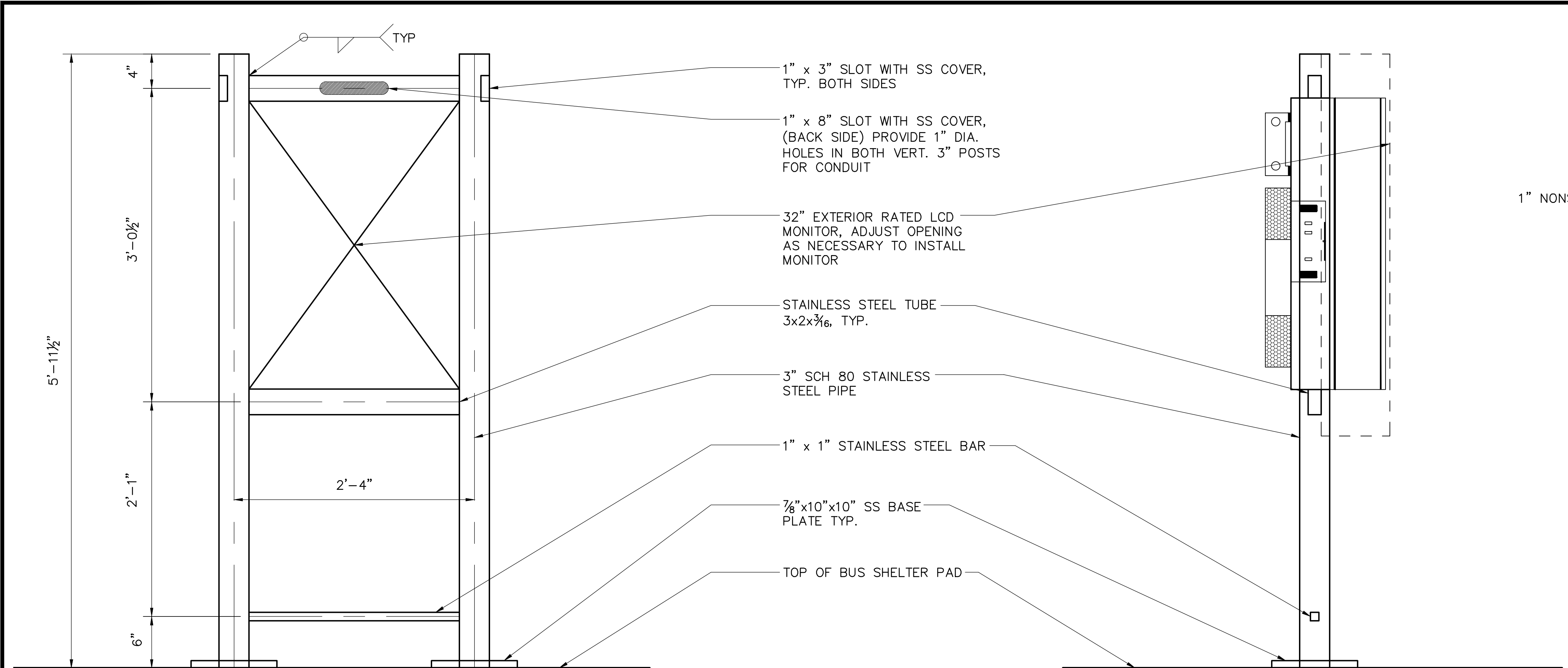
DESIGNED: BCG
 DRAWN: DJ
 CHECKED: JES
 MISS UTILITY TRANSMITTAL #: N/A

FILENAME:
 MA13-XXX-BUSSHELTER.DWG
 PATH:

PLOTTED: JULY 27 2021
 PLOTTED BY: DEVIN.JI

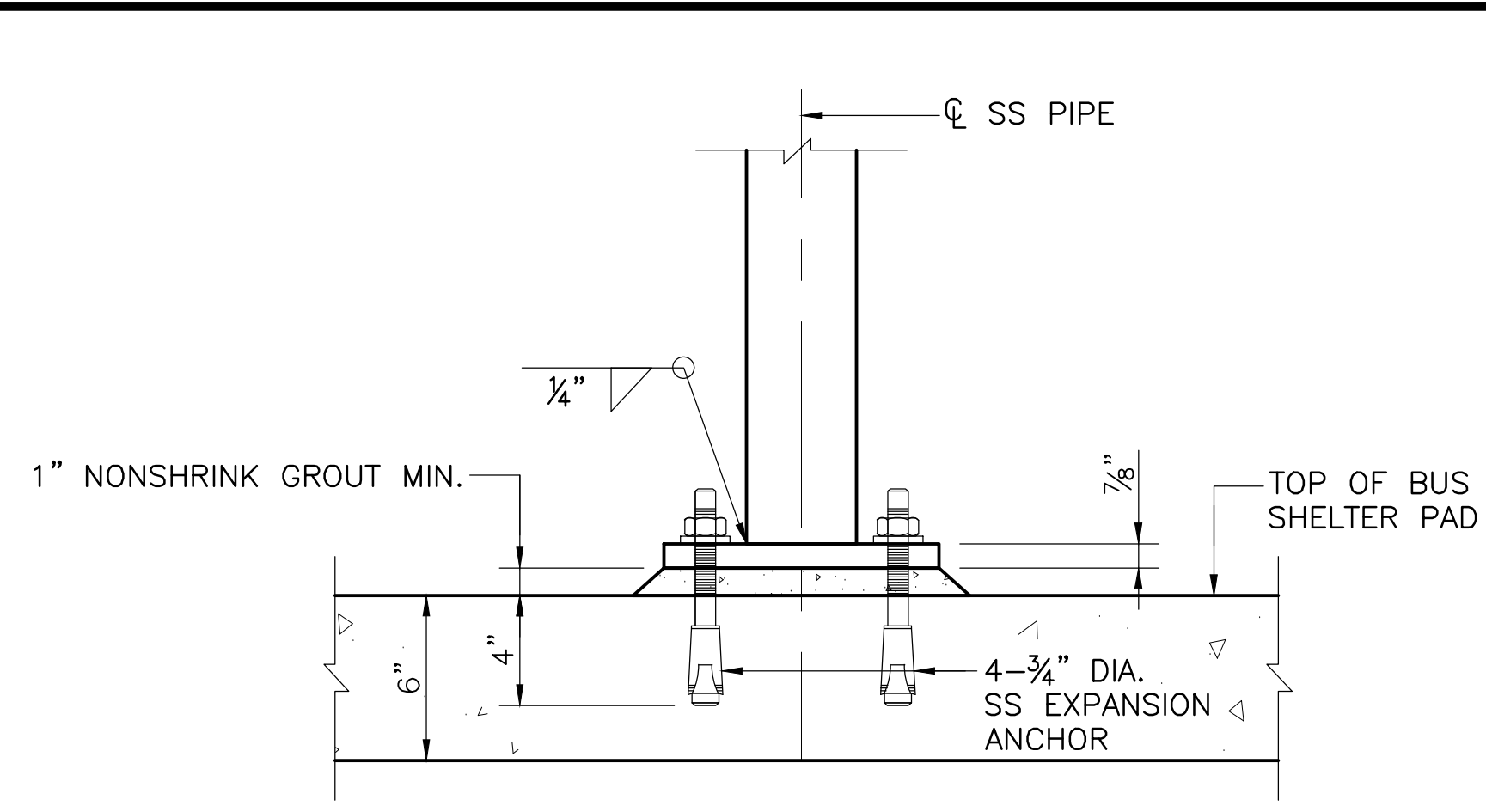
SCALE:

SHEET COVER



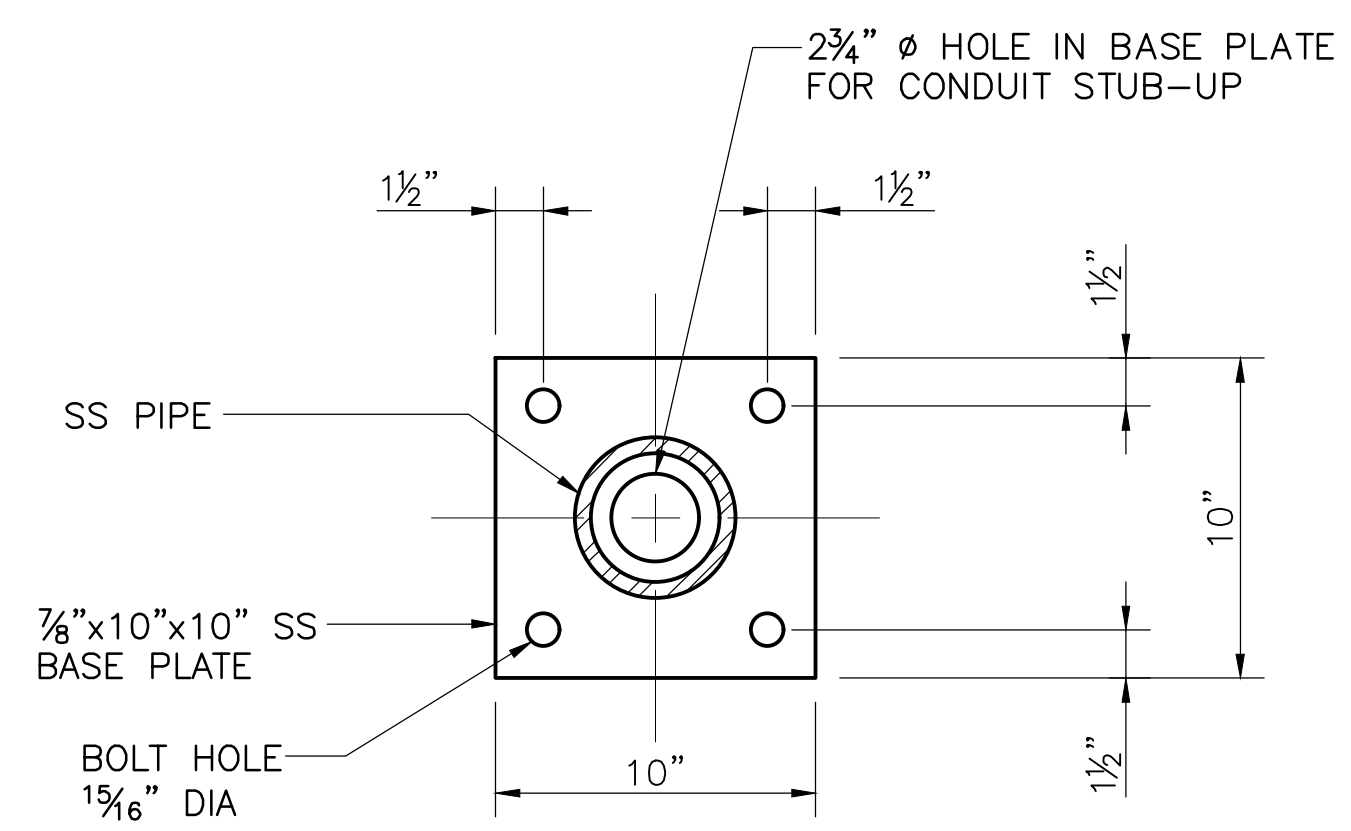
LCD MONITOR STANCHION ELEVATION

1 1/2" = 1'-0"



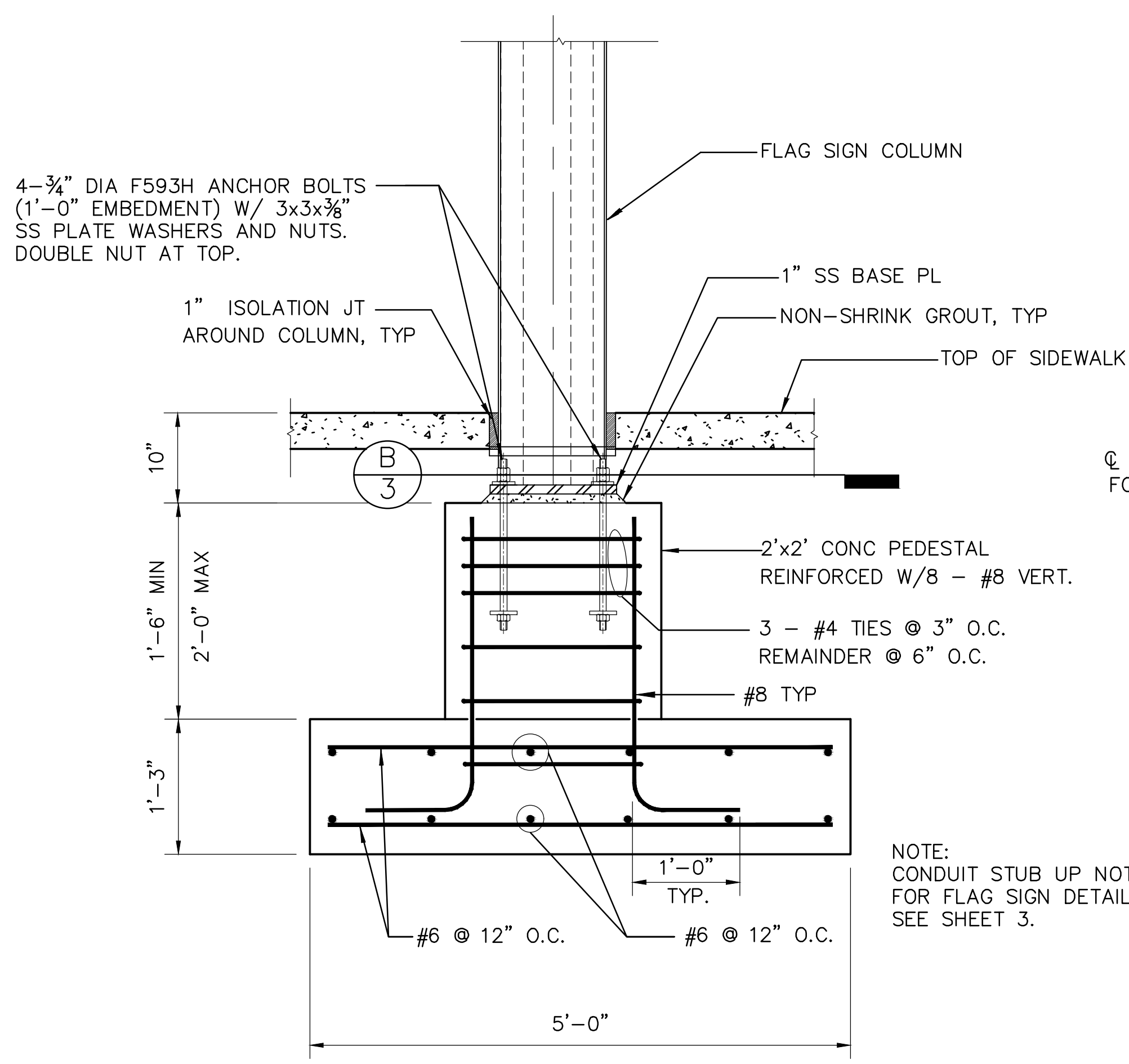
LCD MONITOR STANCHION SECTION

1 1/2" = 1'-0"



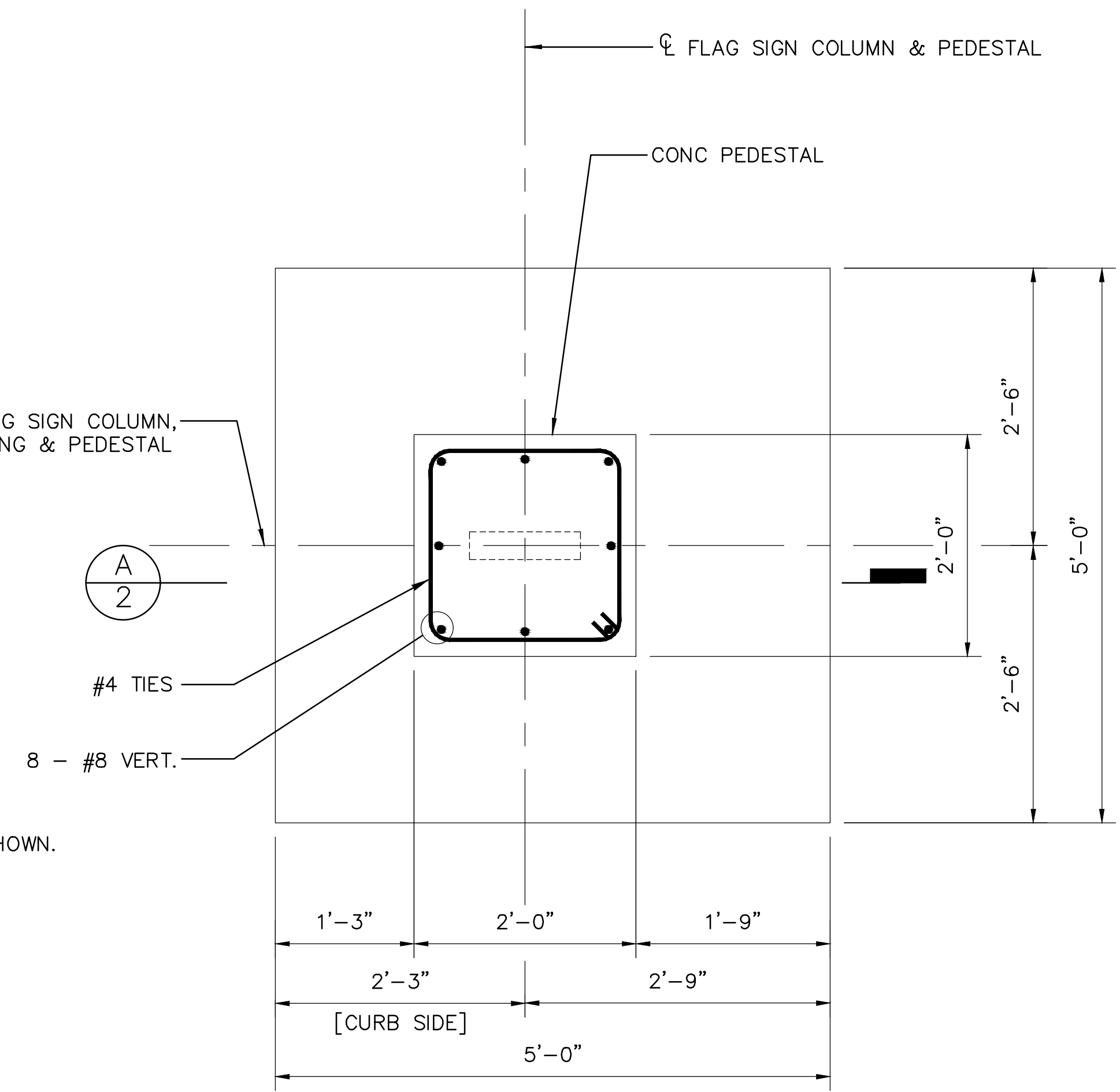
**LCD MONITOR STANCHION
BASE PLATE DETAIL**

SCALE: 2"=1'-0"



SECTION - FLAG SIGN FOOTING

1" = 1'-0"



FLAG SIGN FOOTING PLAN

1" = 1'-0"



APPROVALS DATE

DESIGN TEAM ENGINEER SUPERVISOR

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

REVISIONS DATE

PROJECT NAME AND LOCATION
**TRANSITWAY EXTENSION TO
PENTAGON CITY STATION DESIGN**

**LCD MONITOR STANCHION AND
STATION FLAG SIGN FOUNDATION**
MA13 - SEGMENT I

DESIGNED: BCG
DRAWN: DJ
CHECKED: JES
MISS UTILITY TRANSMITTAL #: N/A
FILENAME:
MA13-XXX-BUSSHELTER.DWG
PATH:
PLOTTED: JULY 27 2021
PLOTTED BY: DEVIN.JI

SCALE:

AS NOTED



APPROVALS DATE

DESIGN TEAM ENGINEER SUPERVISOR

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

REVISIONS DATE

NO.	DESCRIPTION	DATE

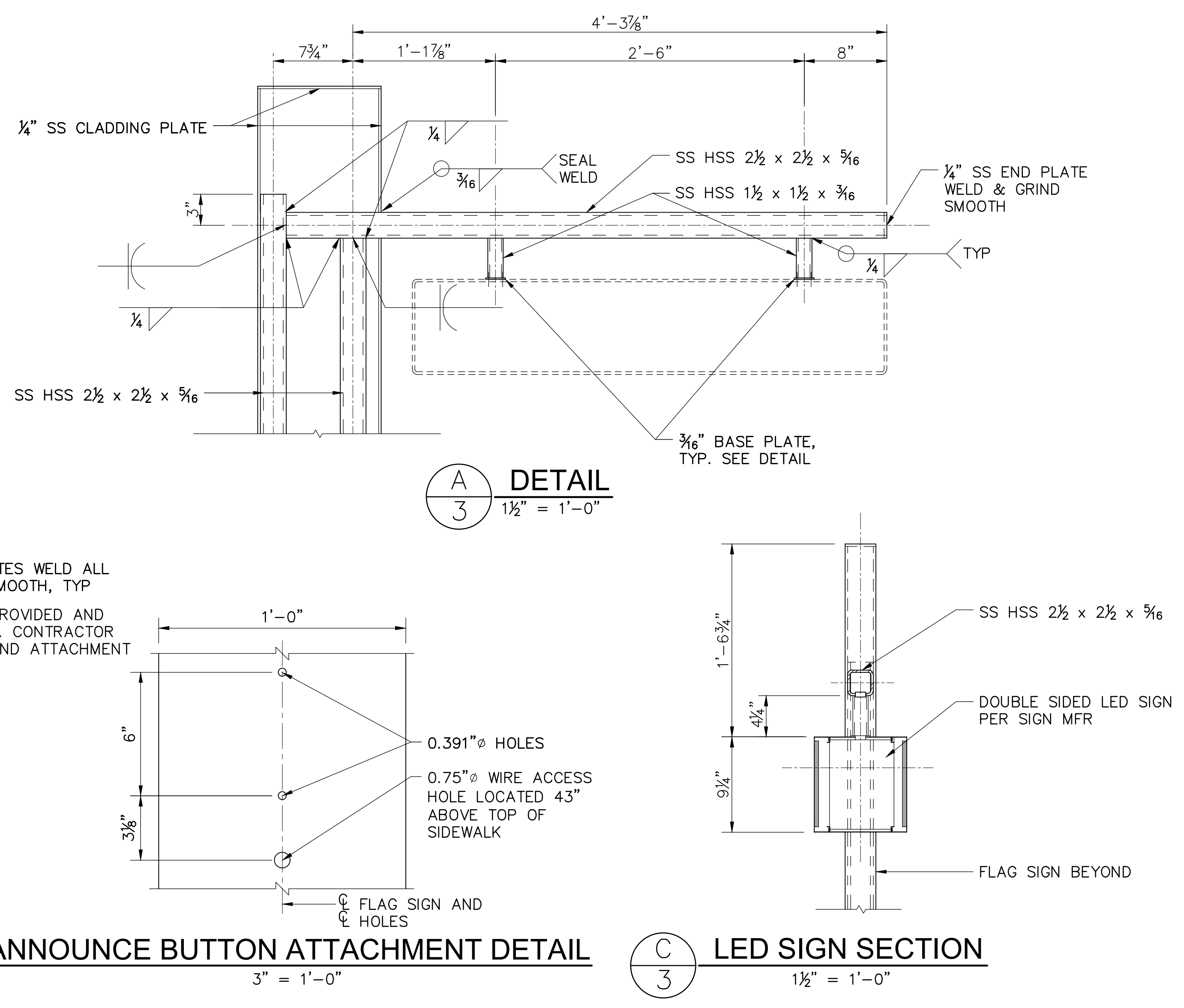
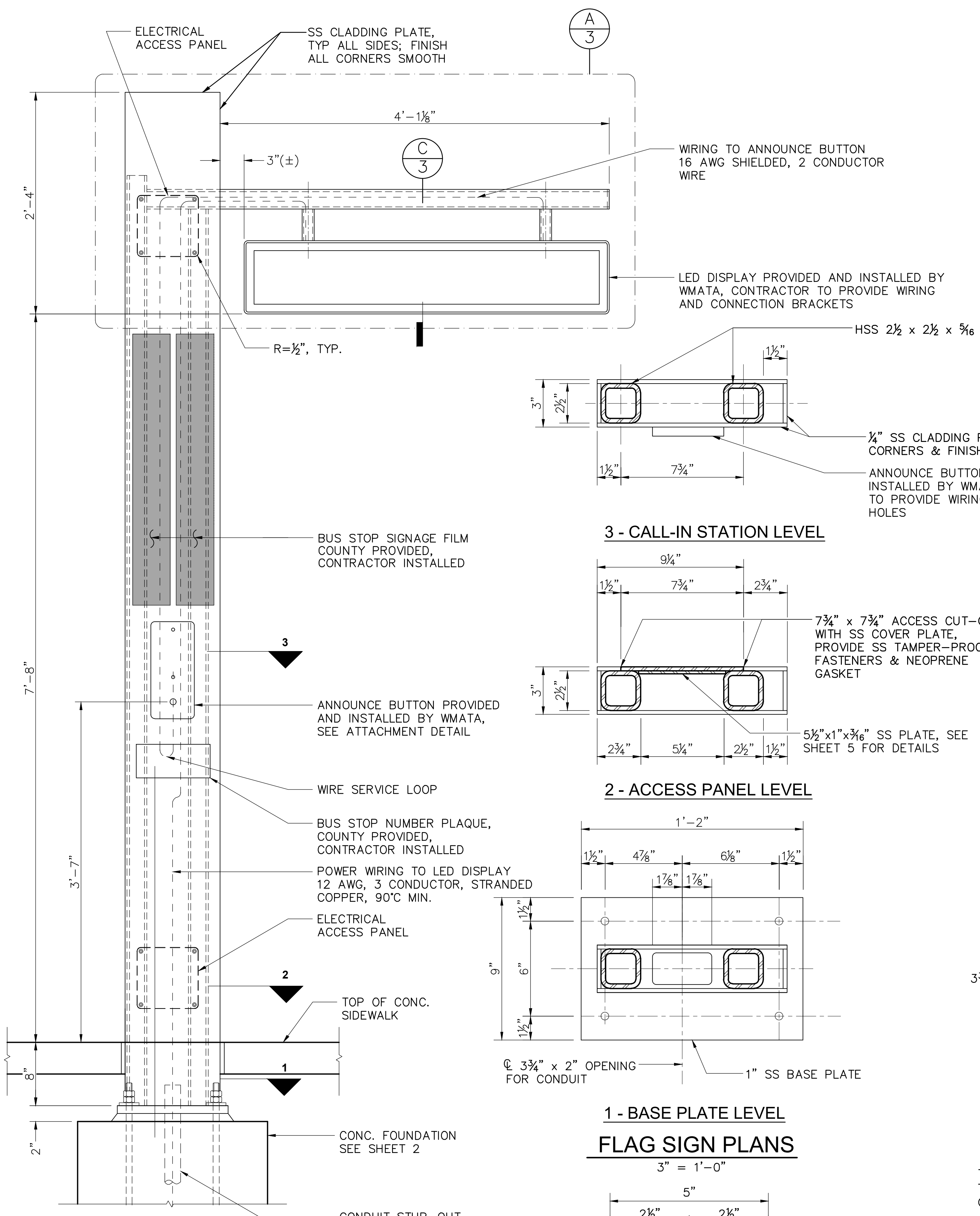
PROJECT NAME AND LOCATION
**TRANSITWAY EXTENSION TO
PENTAGON CITY STATION DESIGN**

STATION FLAG SIGN
MA13 - SEGMENT I

DESIGNED: BCG
DRAWN: DJ
CHECKED: JES
MISS UTILITY TRANSMITTAL #: N/A
FILENAME: MA13-XXX-BUSSHELTER.DWG
PATH:
PLOTTED: JULY 27 2021
PLOTTED BY: DEVIN.JI

SCALE:

AS NOTED





APPROVALS DATE

DESIGN TEAM ENGINEER SUPERVISOR

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

REVISIONS DATE

NO.	DESCRIPTION	DATE

PROJECT NAME AND LOCATION
**TRANSITWAY EXTENSION TO
 PENTAGON CITY STATION DESIGN**

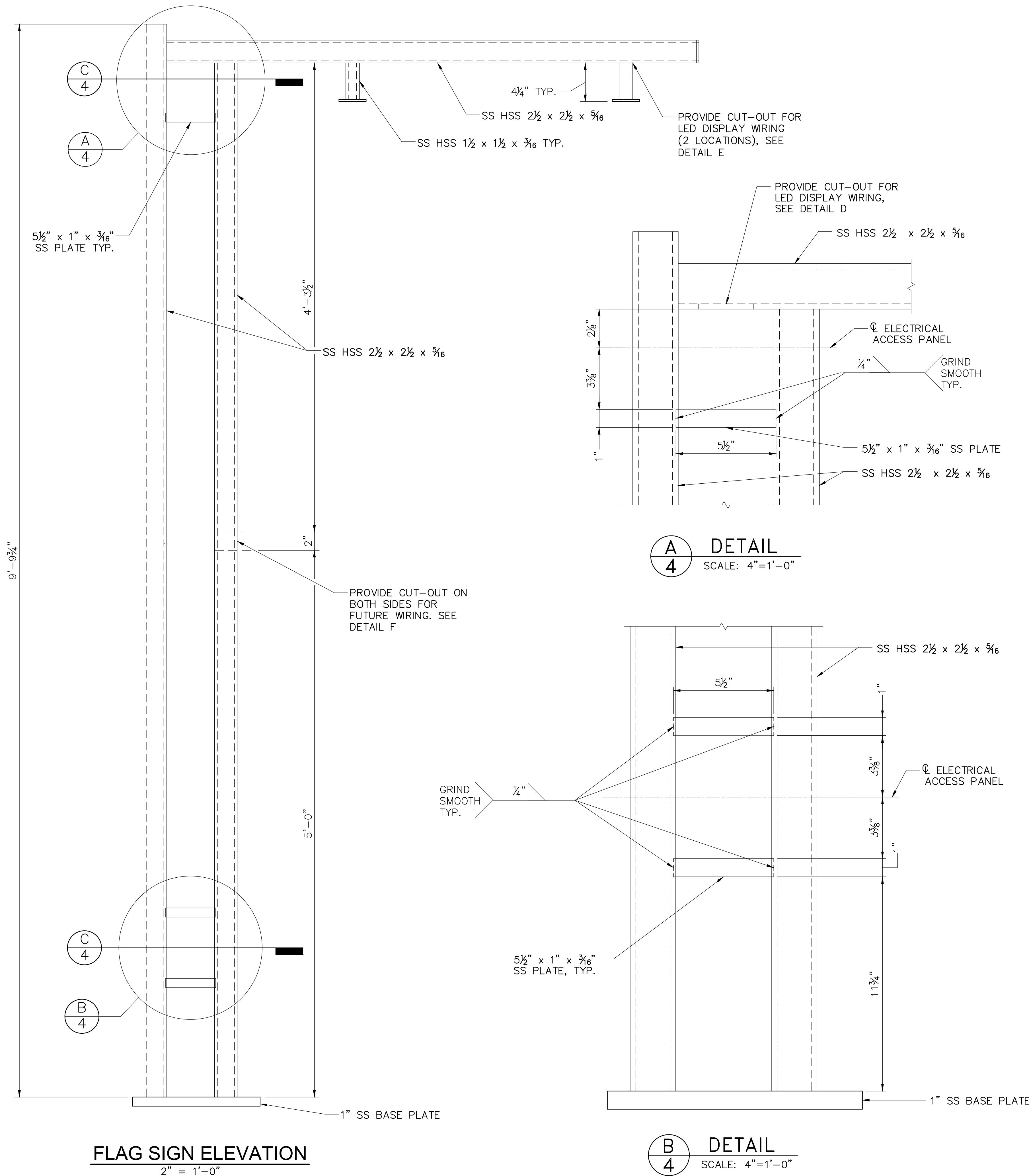
FLAG SIGN FRAME ASSEMBLY

MA13 - SEGMENT I






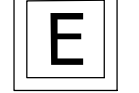
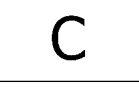
DESIGNED: BCG
 DRAWN: DJ
 CHECKED: JES
 MISS UTILITY TRANSMITTAL #: N/A
 FILENAME: MA13-XXX-BUSSHELTER.DWG
 PATH:
 PLOTTED: JULY 27 2021
 PLOTTED BY: DEVIN.JI

SCALE:

AS NOTED



LEGEND

-  HANDHOLE
-  DENOTES POWER
-  DENOTES COMMUNICATION
-  2-2" SCH 40 PVC CONDUITS, TRENCHED
-  METERED SERVICE PEDESTAL
-  ELECTRICAL JUNCTION BOX
-  COMMUNICATION JUNCTION BOX



APPROVALS _____ DATE _____

DESIGN TEAM ENGINEER SUPERVISOR _____

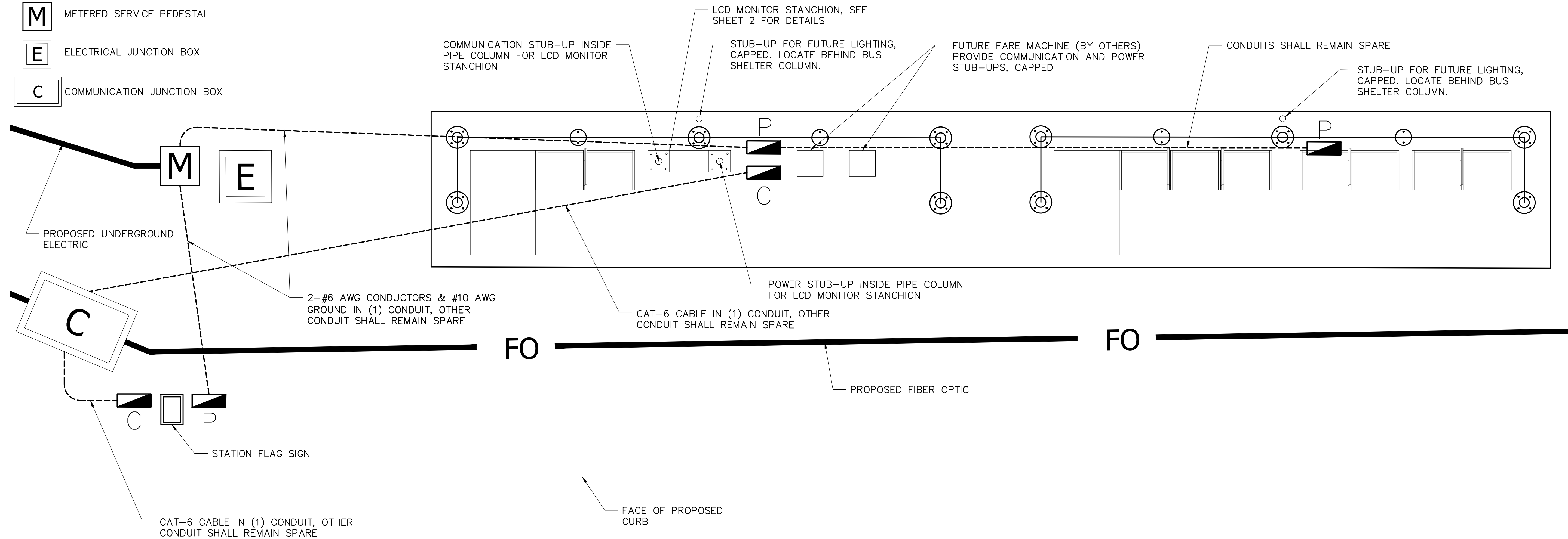
CONSTRUCTION MANAGEMENT SUPERVISOR _____

WATER, SEWER STREETS BUREAU CHIEF _____

TRANSPORTATION DIRECTOR _____

PROJECT MANAGER _____

REVISIONS _____ DATE _____

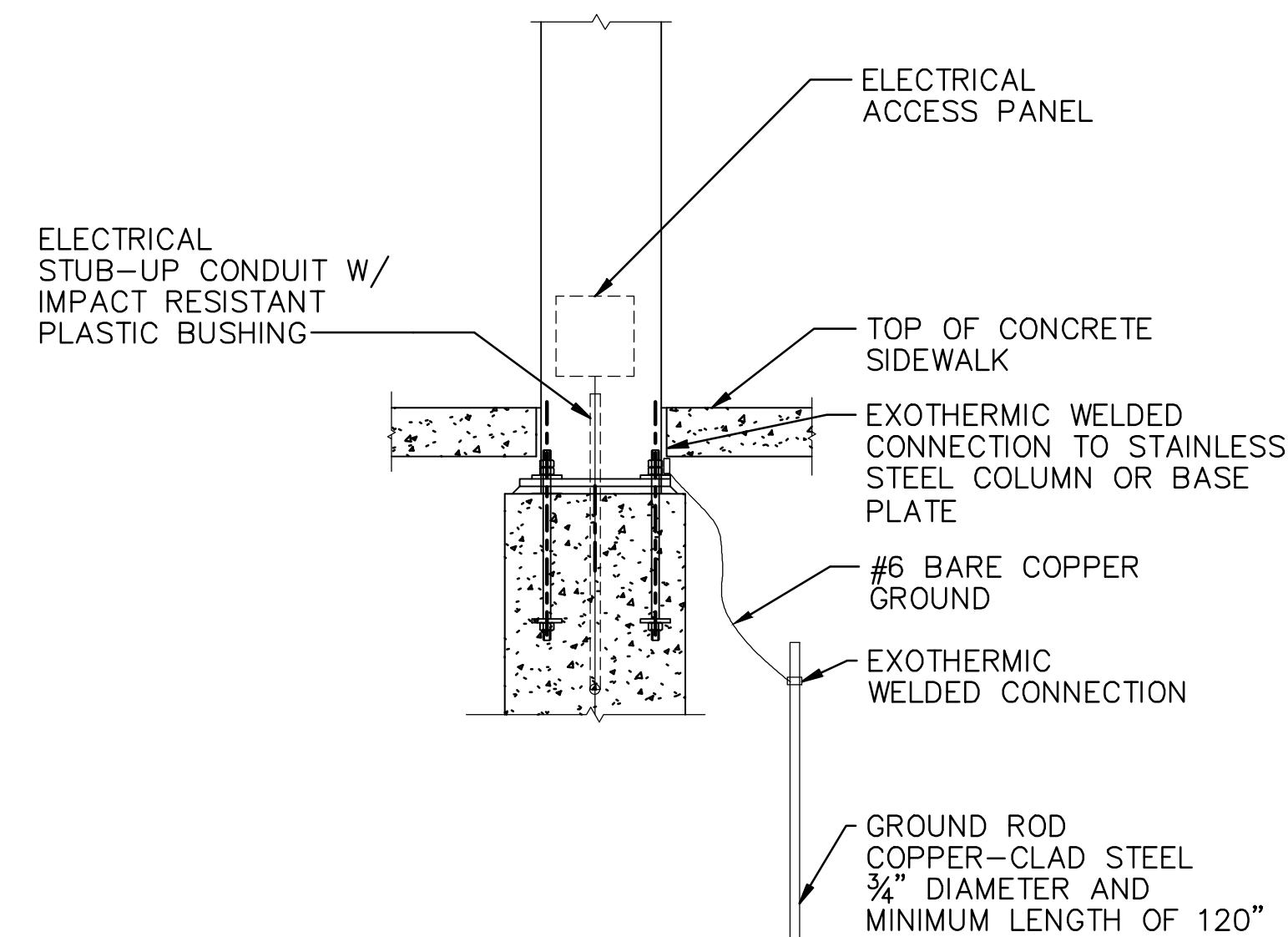


12TH ST S WB & LONG BRIDGE DR INTERSECTION CONDUIT PLAN
NOT TO SCALE

SCHEDULE OF PANEL						
MCB: 60 AMP, 120/240 VOLTS, SINGLE PHASE, 2-POLE, 10KAIC		LUMINAIRE VOLTAGE, VOLTS			BREAKERS	
CIRCUIT NUMBER	EQUIPMENT SERVED	CONNECTED LOADS		PHASE AND VOLTS	BRANCH CIRCUIT BREAKERS	
		kVA	AMPS		NUMBER OF POLES	TRIP SIZE (AMP)
1	LCD MONITOR	2.04	17.00	A/120	1	25
2	SPARE - FUTURE FARE MACHINE	0.00	0.00	B/120	1	25
3	STATION FLAG SIGN	0.36	3.00	A/120	1	25
4	SPARE - FUTURE LIGHTING	0	0	B/120	1	15
TOTAL		2.40	20.00			
PHASE A		2.40	20.00			
PHASE B		0.00	0.00			

*VERIFY ALL CONNECTED LOADS WITH MANUFACTURER

NOTE: SERVICE PEDESTAL AND PANEL TO BE INSTALLED BY OTHERS, SEE CIVIL PLANS FOR LOCATION



FLAG SIGN ELECTRICAL DETAIL

3/8" = 1'-0"

PROJECT NAME AND LOCATION
TRANSITWAY EXTENSION TO PENTAGON CITY STATION DESIGN





12TH ST S ELECTRICAL AND COMMUNICATION PLAN
MA13 - SEGMENT I




DESIGNED: BCG
DRAWN: DJ
CHECKED: JES
MISS UTILITY TRANSMITTAL #: N/A
FILENAME: MA13-XXX-BUSSHELTER.DWG
PATH:
PLOTTED: AUGUST 5 2021
PLOTTED BY: DEVIN.JI

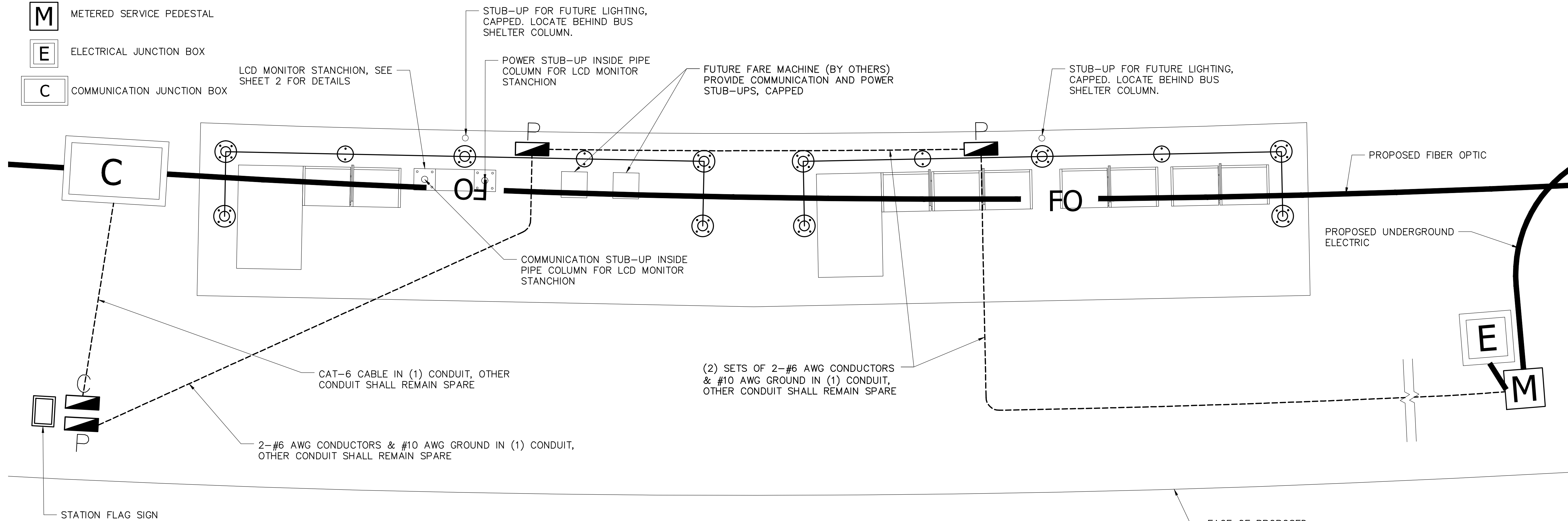
SCALE:

AS NOTED

LEGEND

-  HANDHOLE
-  DENOTES POWER
-  DENOTES COMMUNICATION
-  2-2" SCH 40 PVC CONDUITS, TRENCHED

-  METERED SERVICE PEDESTAL
-  ELECTRICAL JUNCTION BOX
-  COMMUNICATION JUNCTION BOX



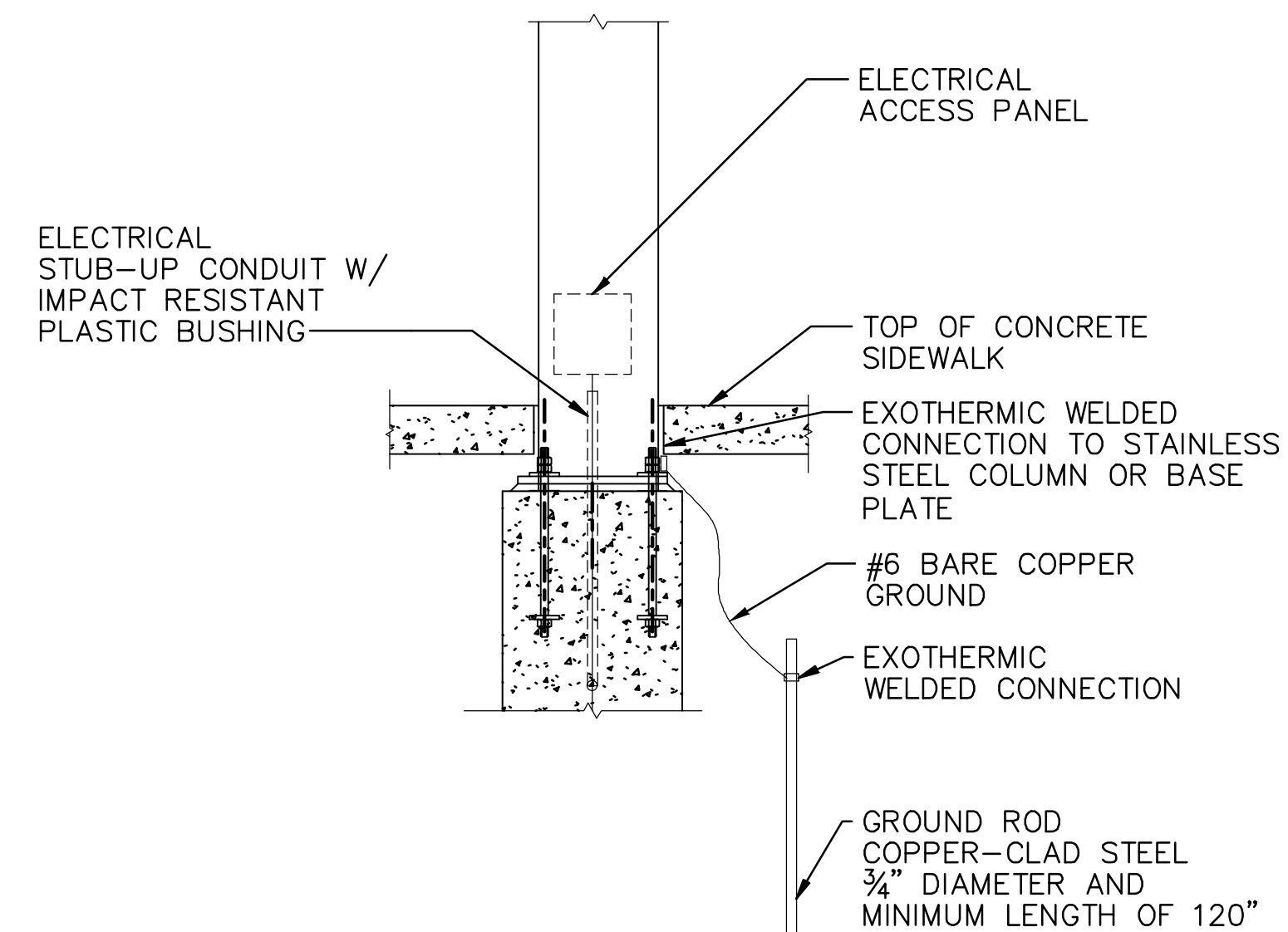
CRYSTAL DR NB & 15TH ST S INTERSECTION CONDUIT PLAN

NOT TO SCALE

SCHEDULE OF PANEL						
MCB: 60 AMP, 120/240 VOLTS, SINGLE PHASE, 2-POLE, 10KAIC		LUMINAIRE VOLTAGE, VOLTS			BREAKERS	
CIRCUIT NUMBER	EQUIPMENT SERVED	CONNECTED LOADS		PHASE AND VOLTS	BRANCH CIRCUIT BREAKERS	
		kVA	AMPS		NUMBER OF POLES	TRIP SIZE (AMP)
1	LCD MONITOR	2.04	17.00	A/120	1	25
2	SPARE - FUTURE FARE MACHINE	0.00	0.00	B/120	1	25
3	STATION FLAG SIGN	0.36	3.00	A/120	1	25
4	SPARE - FUTURE LIGHTING	0	0	B/120	1	15
TOTAL		2.40	20.00			
PHASE A		2.40	20.00			
PHASE B		0.00	0.00			

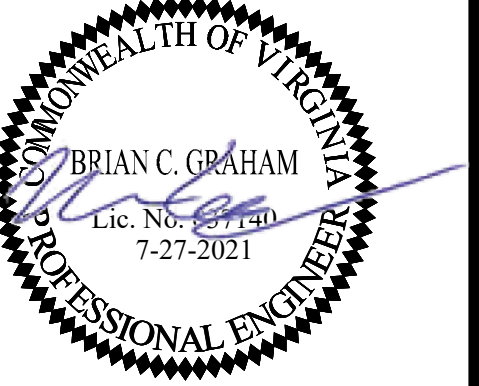
*VERIFY ALL CONNECTED LOADS WITH MANUFACTURER

NOTE: SERVICE PEDESTAL AND PANEL TO BE INSTALLED BY OTHERS, SEE CIVIL PLANS FOR LOCATION



FLAG SIGN ELECTRICAL DETAIL

3/8" = 1'-0"



APPROVALS DATE

DESIGN TEAM ENGINEER SUPERVISOR

CONSTRUCTION MANAGEMENT SUPERVISOR

WATER, SEWER STREETS BUREAU CHIEF

TRANSPORTATION DIRECTOR

PROJECT MANAGER

REVISIONS DATE

PROJECT NAME AND LOCATION
TRANSITWAY EXTENSION TO PENTAGON CITY STATION DESIGN

CRYSTAL DR ELECTRICAL AND COMMUNICATION PLAN
MA13 - SEGMENT I

DESIGNED: BCG
DRAWN: DJ
CHECKED: JES
MISS UTILITY TRANSMITTAL #: N/A
FILENAME: MA13-XXX-BUSSHELTER.DWG
PATH:
PLOTTED: AUGUST 5 2021
PLOTTED BY: DEVIN.JI

SCALE:

AS NOTED