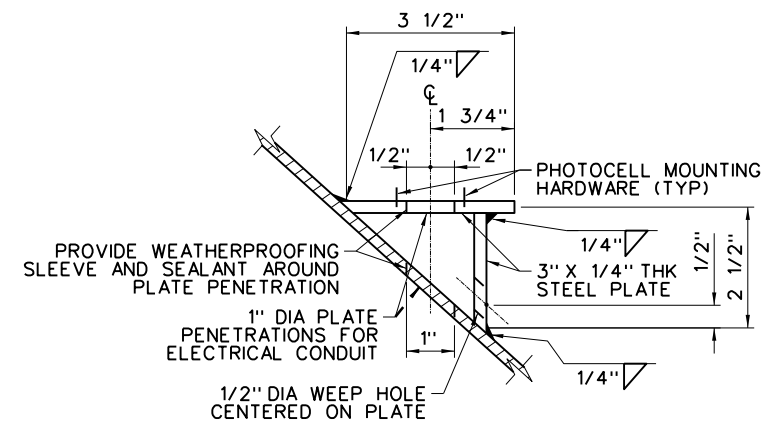
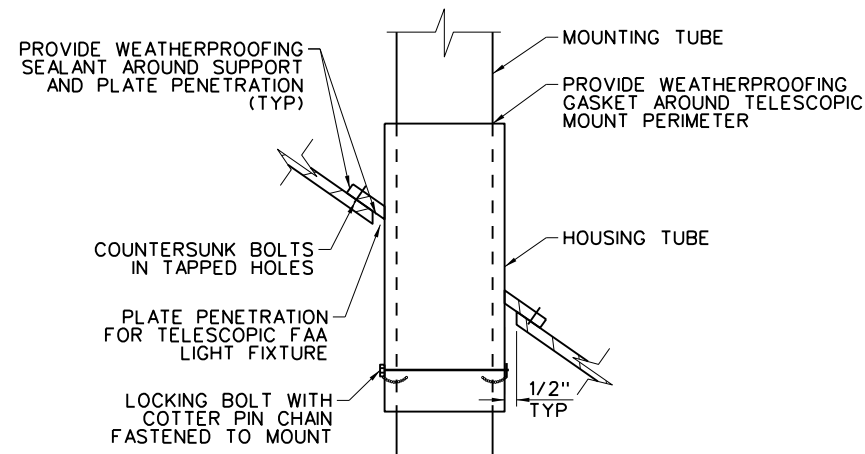


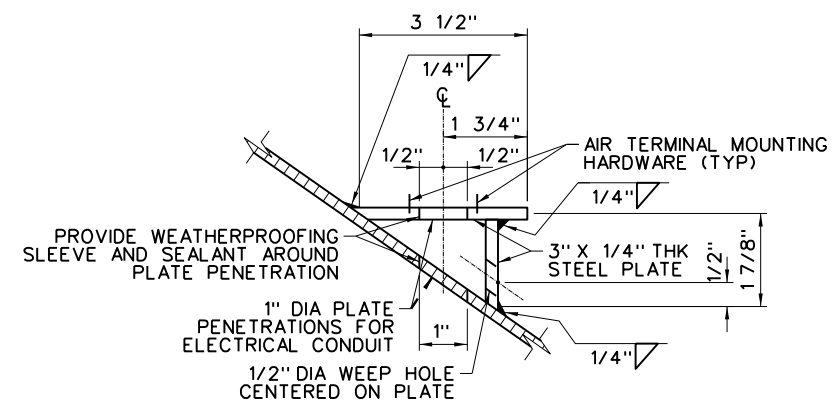
1 SECTION
295D 3"-1'-0"



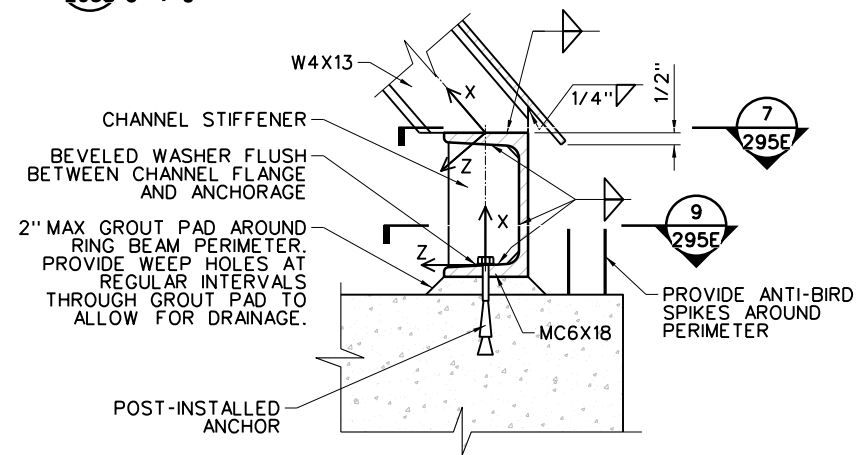
2 SECTION: FAA PHOTOCELL SUPPORT
295E 6"-1'-0"



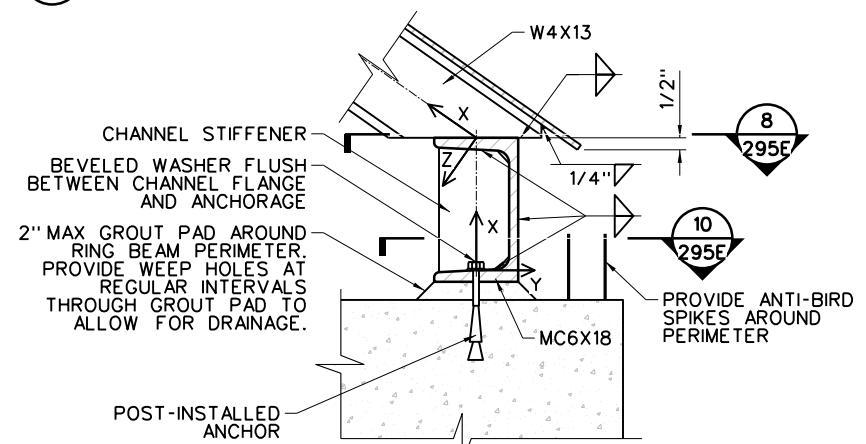
3 SECTION: FAA LIGHT FIXTURE MOUNT CONNECTION
295E 3"-1'-0"



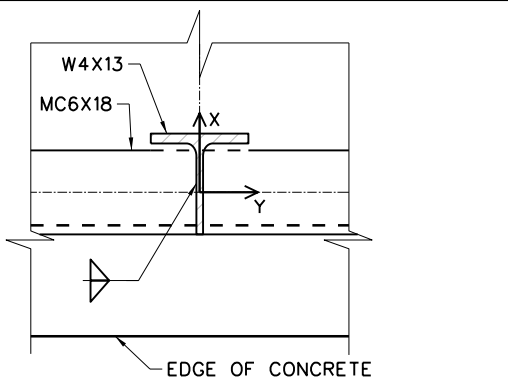
4 SECTION: LIGHTNING PROTECTION CONNECTION
295E 6"-1'-0"



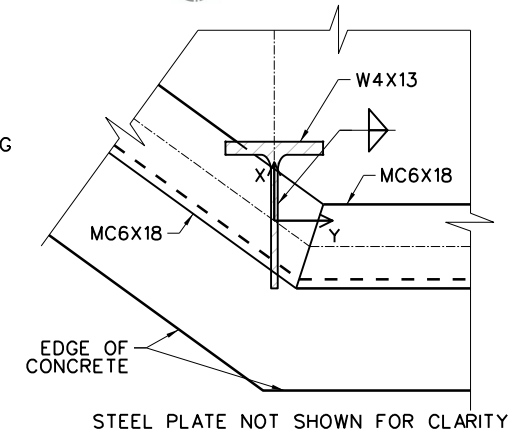
5 RAFTER BRACING TO RING BEAM CONNECTION DETAIL
295C 3"-1'-0"



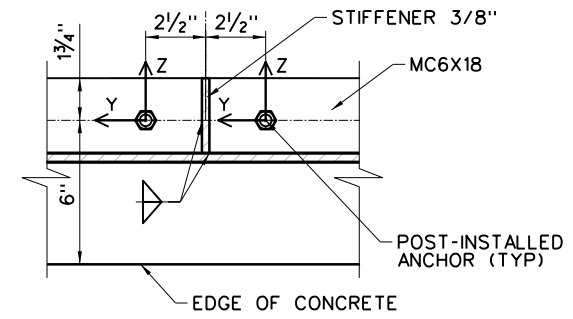
6 RAFTER TO RING BEAM CONNECTION DETAIL
295C 3"-1'-0"



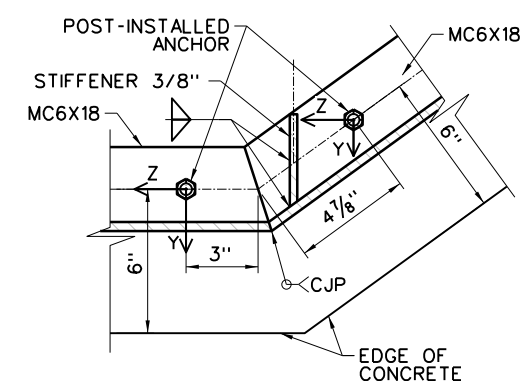
7 SECTION
295E 3"-1'-0"



8 SECTION
295E 3"-1'-0"



9 SECTION
295E 3"-1'-0"



10 SECTION
295E 3"-1'-0"

- NOTES:
1. TOWER TOP DETAILS SIMILAR FOR 1ST NORTH TOWER AND 1ST SOUTH TOWER.
 2. SEE GENERAL NOTES ON NHB-295A FOR DESIGN REQUIREMENTS.
 3. CONNECTION DETAILS FOR LIGHTING PROTECTION, PHOTOCELL, AND FAA LIGHT FIXTURE MOUNT ARE APPROXIMATE AND SHALL BE COORDINATED WITH THE FINAL POSITIONS AND DIMENSIONS OF THE ELECTRICAL LAYOUTS AND SUPPORTS.



ALL ENGINEERING WORK REPRESENTED ON THIS PLAN HAS BEEN REVIEWED UNDER THE RESPONSIBLE CHARGE OF LICENSE HOLDER AND IS SIGNED/SEALED ACCORDINGLY. THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY MATTHEW CARTER, P.E. 133954 ON 12/16/2021 ARUP TEXAS INC., TBPES FIRM #1990

SCALES SHOWN FOR FULL SIZE DRAWINGS (22"x34")

NO.	DATE	REVISION	APRV

**FLATIRON ENGINEERING LLC**





US-181 HARBOR BRIDGE

MAIN SPAN
UPPER TOWER
TOWER TOP
CONNECTION DETAILS II

DESIGN	FED. RD. DIV. NO.	FEDERAL AID PROJECT NO.		HIGHWAY NO.
KW	X	(See Title Sheet)		US-181
GRAPHICS	STATE	DISTRICT	COUNTY	SHEET NO.
RG	TEXAS	CRP	NUECES	NHB 295E
CHECK	CONTROL	SECTION	JOB	
NT	0101	06	095	
MC				