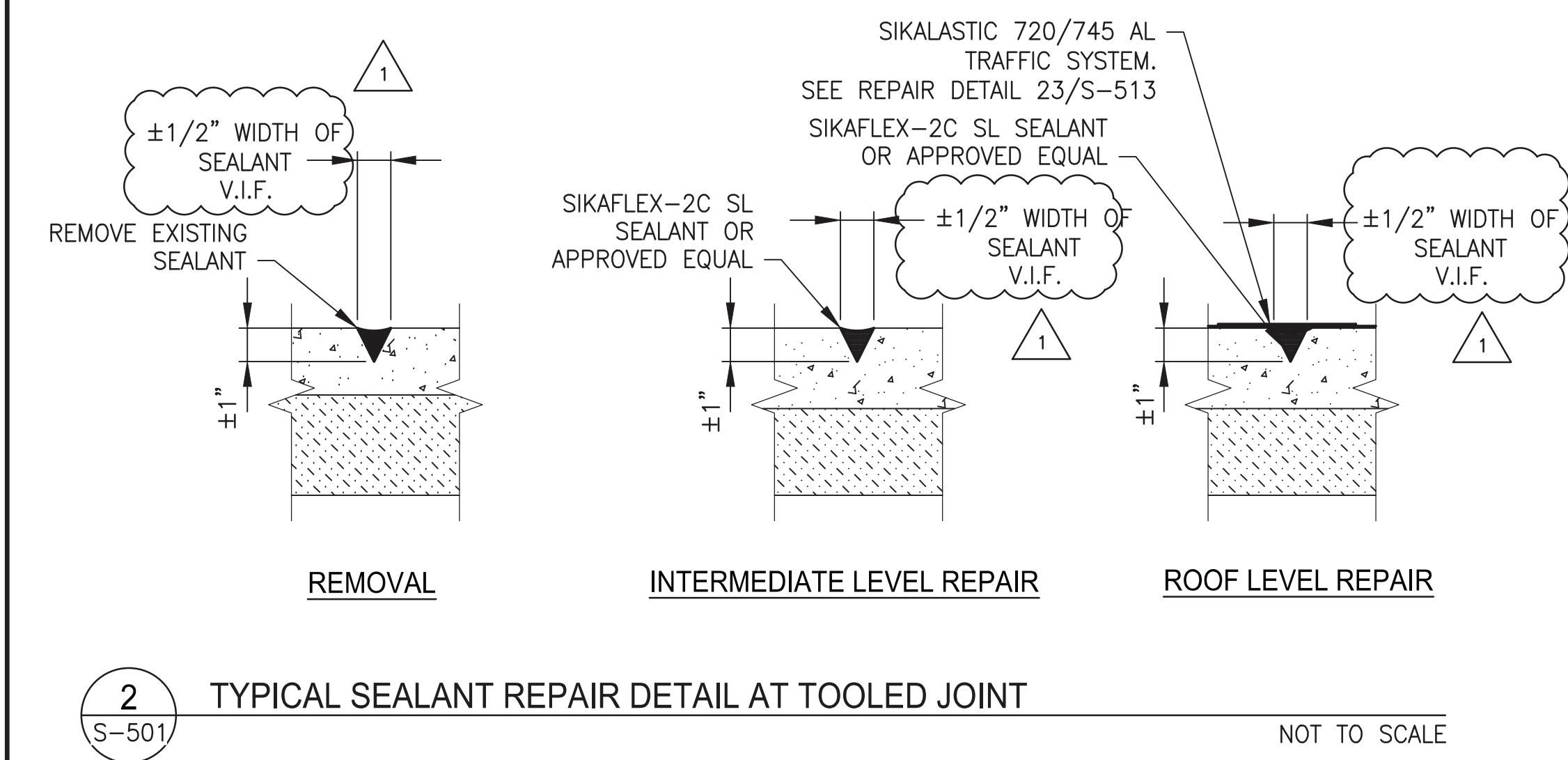


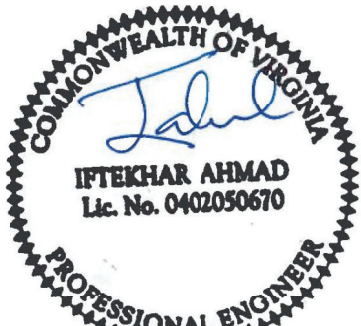
DETERIORATED EXPANSION JOINT



DETERIORATED SEALANT AT TOOLED JOINT

"PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

LICENSE No. 34339  
EXPIRATION DATE: 06/17/2019



**GFP** A Gannett Fleming/Parsons  
JOINT VENTURE

"PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

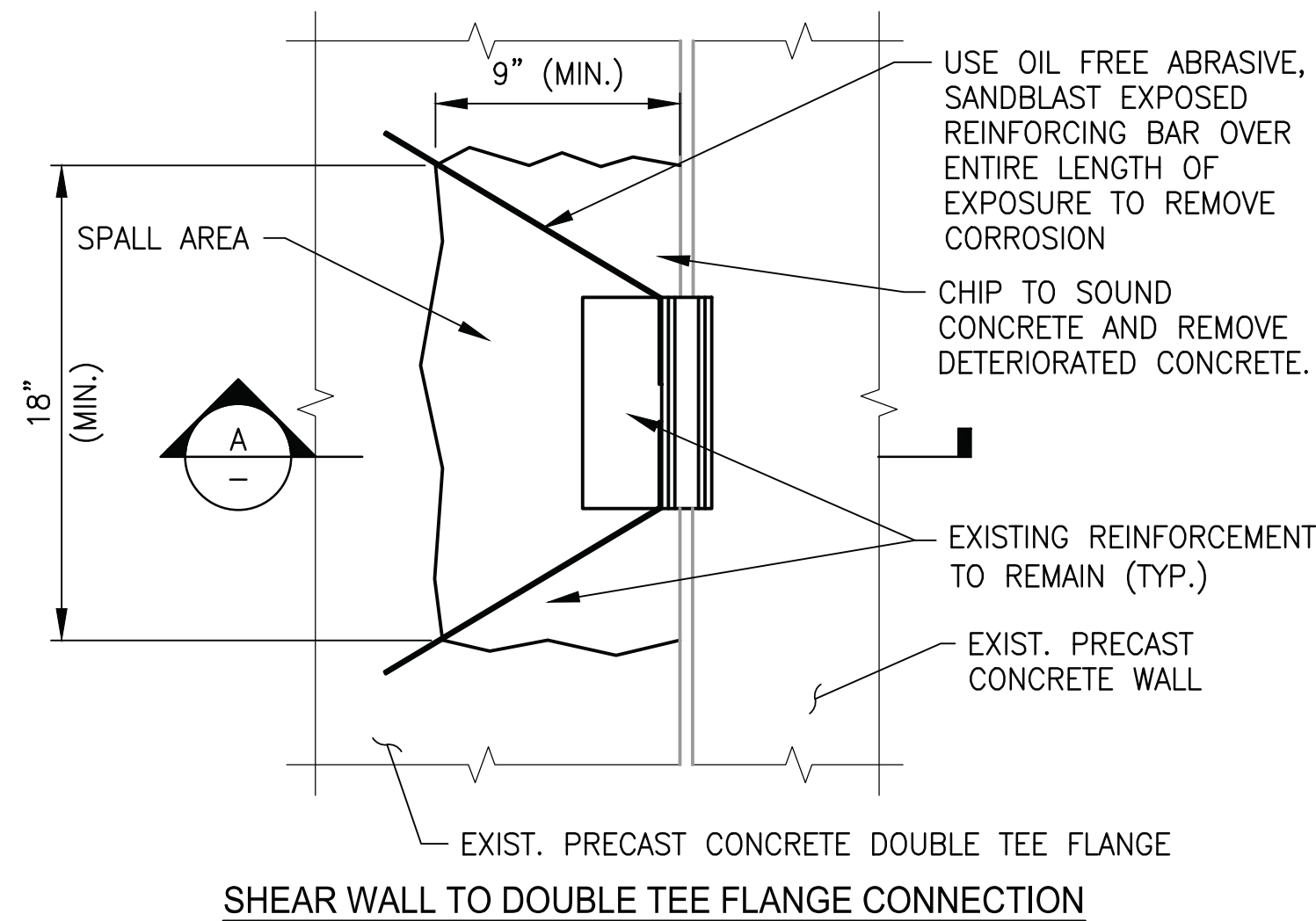
LICENSE No. 42582

EXPIRATION DATE: 08/13/2018

-COMAR 09.23.03.10

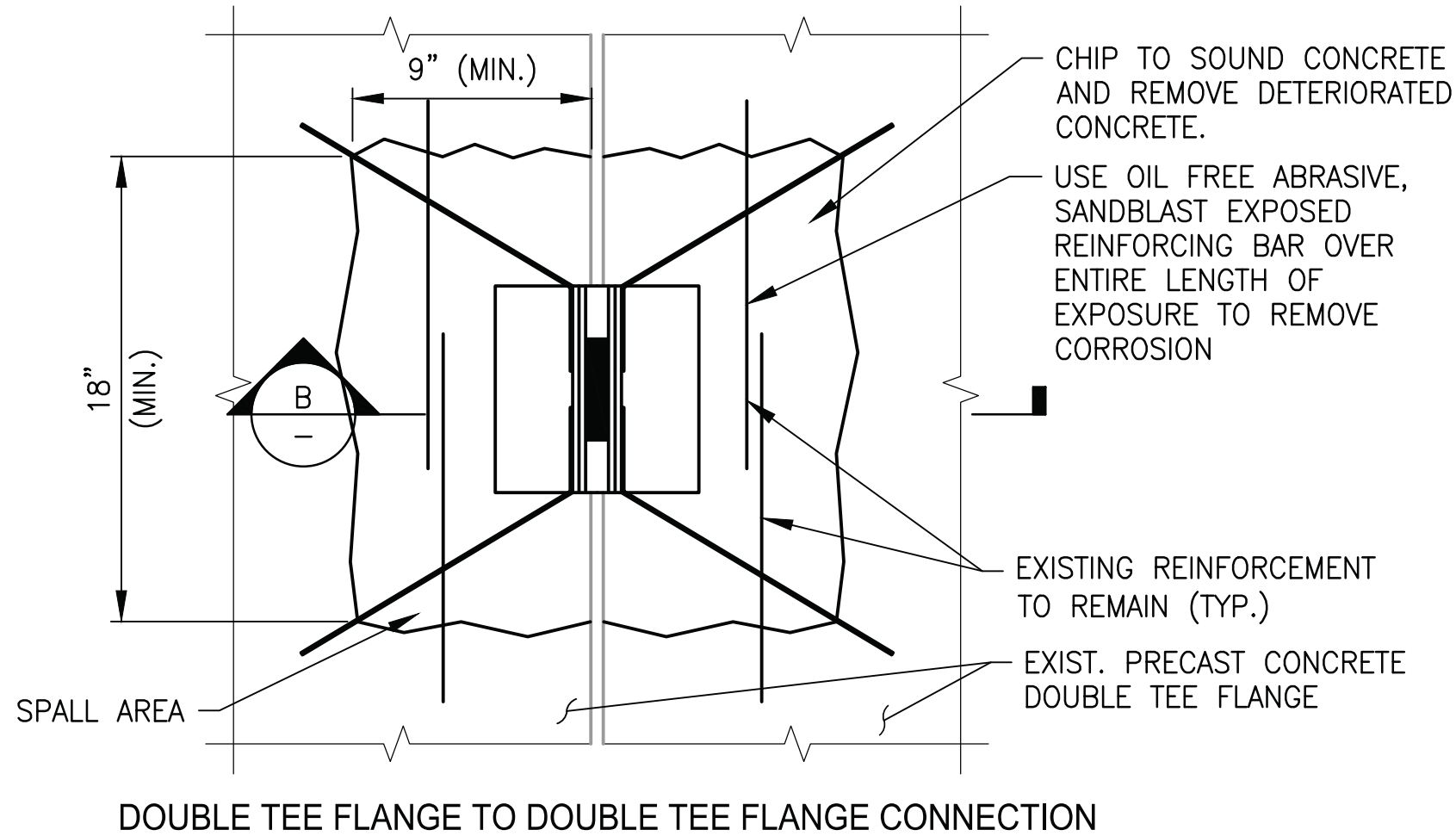
DESIGNED			REFERENCE DRAWINGS			REVISIONS			WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY				REHABILITATION OF PARKING GARAGES			
M. PARK			DATE			DATE			OFFICE OF THE CHIEF OPERATING OFFICER				STANDARD STRUCTURAL REPAIR DETAILS			
L. NGUYEN			01/2018			01/25/2018			IRPG - FIXED FACILITIES				TYPICAL REPAIR DETAILS 1 OF 19			
L. KATSMAN			01/2018			05/15/2018			APPROVED				M NO.			
			DATE			1			JOHN PURDY				CONTRACT NO.			
			DATE						ENGINEERING MANAGER				SCALE			
									APPROVED				AS NOTED			
									DATE				DRAWING NO.			
									DATE				S-501			
									ENGINEER OF RECORD				SHEET NO.			
													484 of 504			



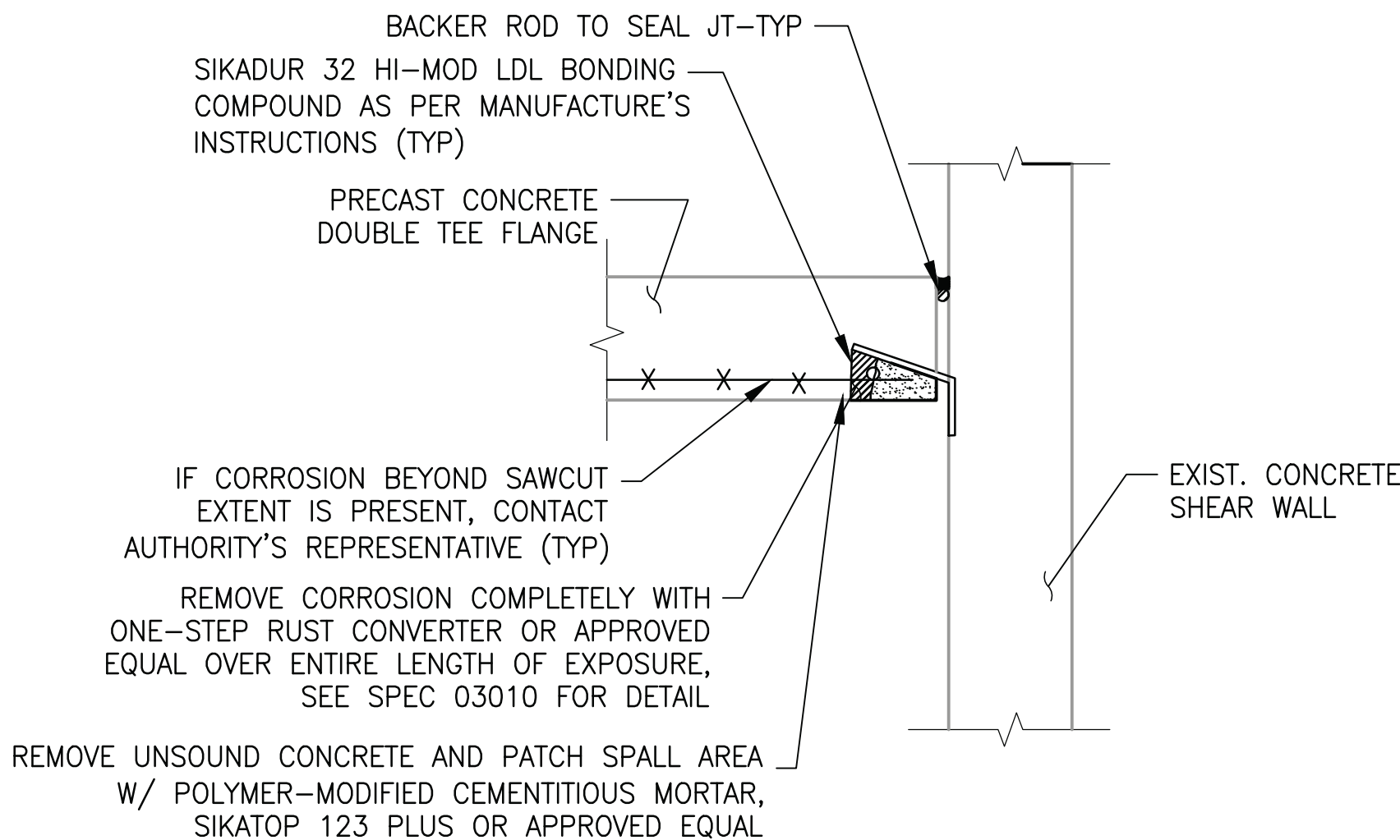


SHEAR WALL TO DOUBLE TEE FLANGE CONNECTION

NOTE: IF THE SPALL SIZE IS BIGGER THAN THE MENTIONED REPAIR SIZE, REFER TO REPAIR DETAIL 13 ON S-507.

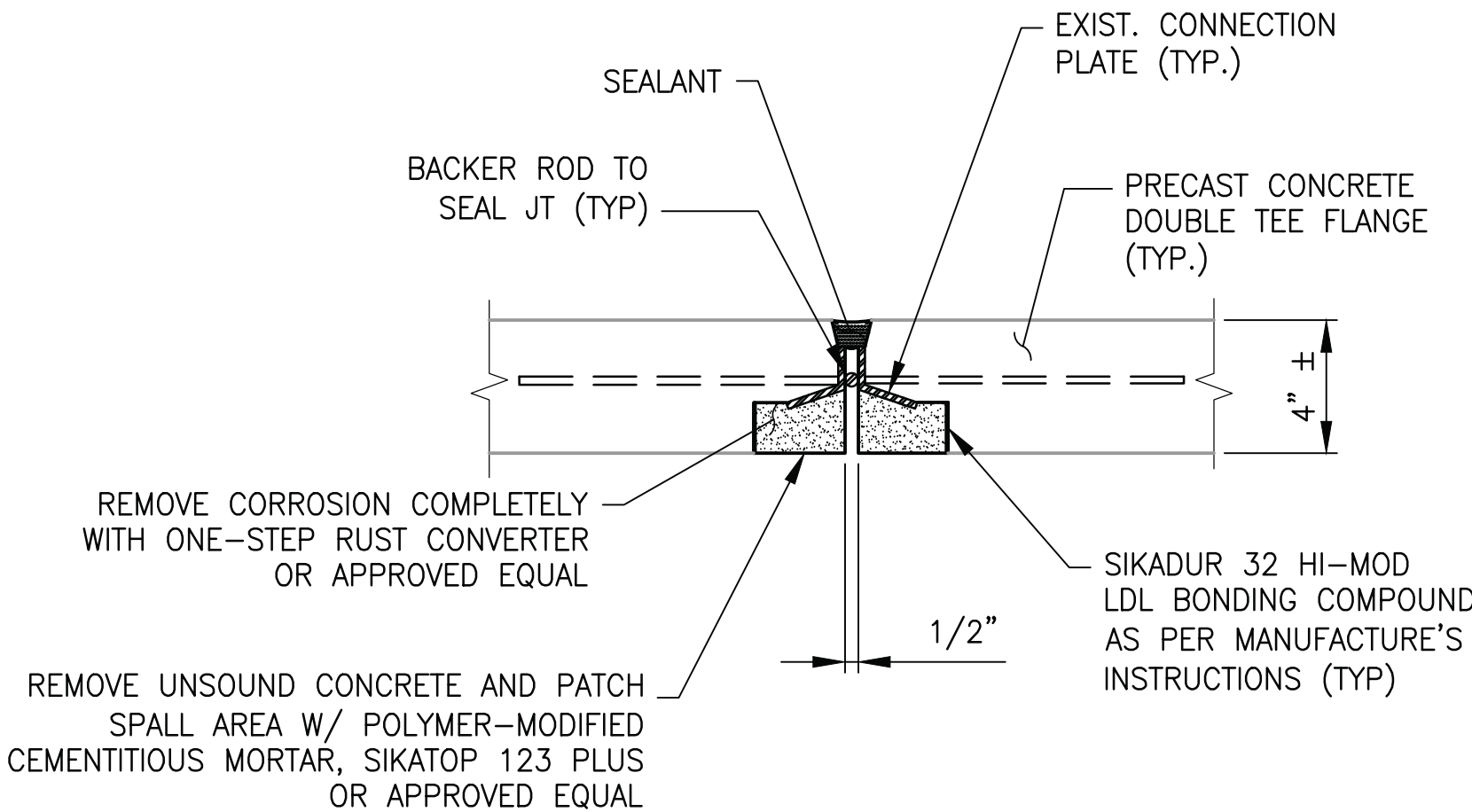


DOUBLE TEE FLANGE TO DOUBLE TEE FLANGE CONNECTION



**A** SECTION  
SCALE: NONE

NOTE: ANY EXPOSED STEEL TO BE CLEANED AND COATED WITH COLD SPRAY GALVANIZING.



**B** SECTION  
NOT TO SCALE

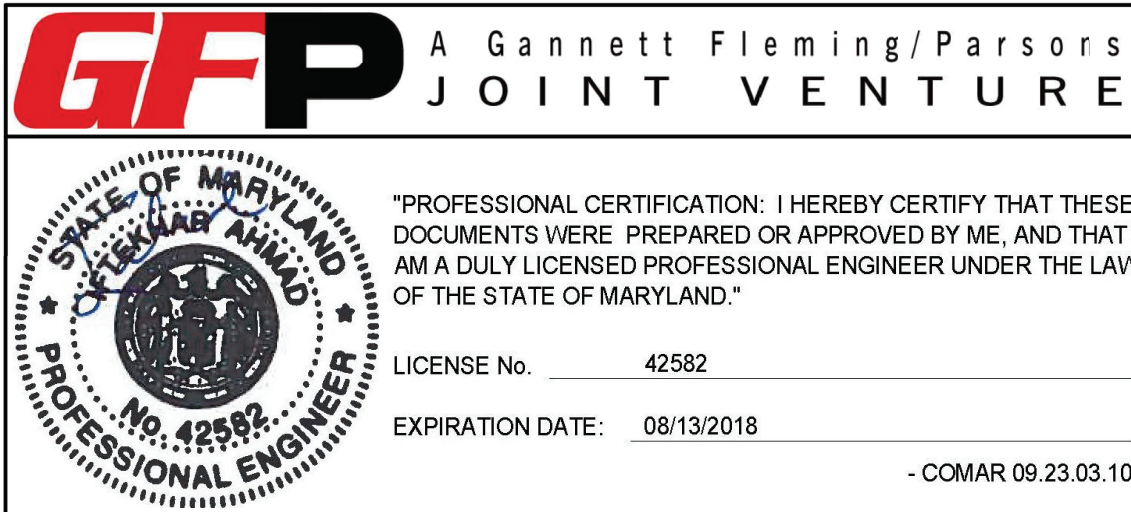
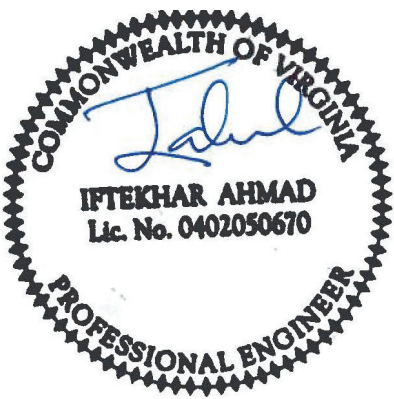
NOTE: ANY EXPOSED STEEL TO BE CLEANED AND COATED WITH COLD SPRAY GALVANIZING.



TYPICAL DEFECT AT CONNECTION PLATE

**17**  
S-509  
TYPICAL CONNECTION PLATE REPAIR DETAIL

"PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."  
LICENSE No. 34339  
EXPIRATION DATE: 06/17/2019



WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY

OFFICE OF THE CHIEF OPERATING OFFICER  
IRPG - FIXED FACILITIES

APPROVED  
JOHN PURDY  
ENGINEERING MANAGER

01/25/2018  
DATE

APPROVED  
IFTEKHAR AHMAD / DIPANKAR SENGUPTA  
ENGINEER OF RECORD

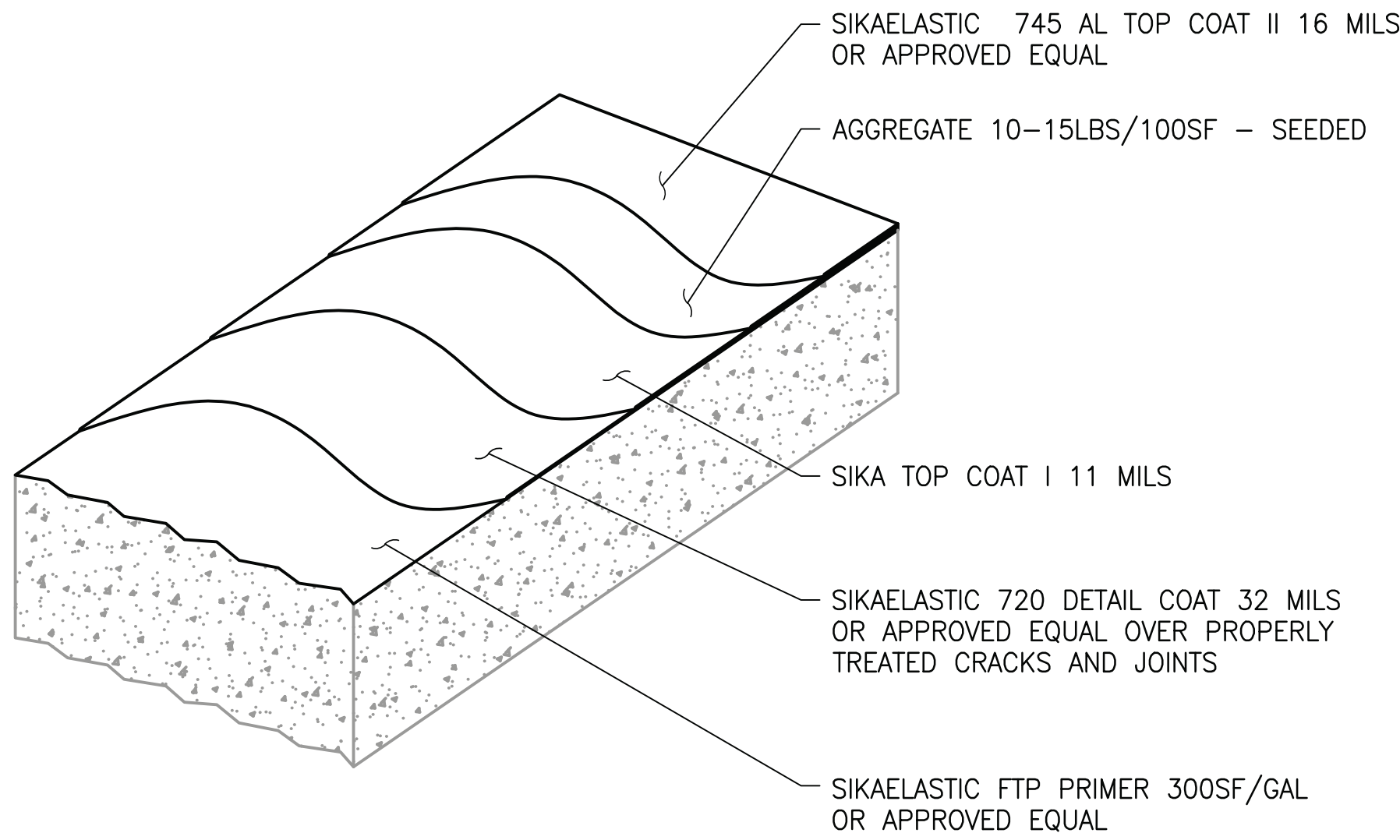
01/25/2018  
DATE

REHABILITATION OF PARKING GARAGES  
STANDARD STRUCTURAL REPAIR DETAILS

TYPICAL REPAIR DETAILS 9 OF 19

M NO. M1301	CONTRACT NO. FQ18064	SCALE AS NOTED	DRAWING NO. S-509	SHEET NO. 492 of 504
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NOTES:

1. ENSURE EXISTING COATING HAS SUFFICIENT BOND WITH CONCRETE.
2. TEST AN AREA FOR COMPATIBILITY IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
3. USE SIKAELASTIC 720/745 AL OR APPROVED EQUAL.

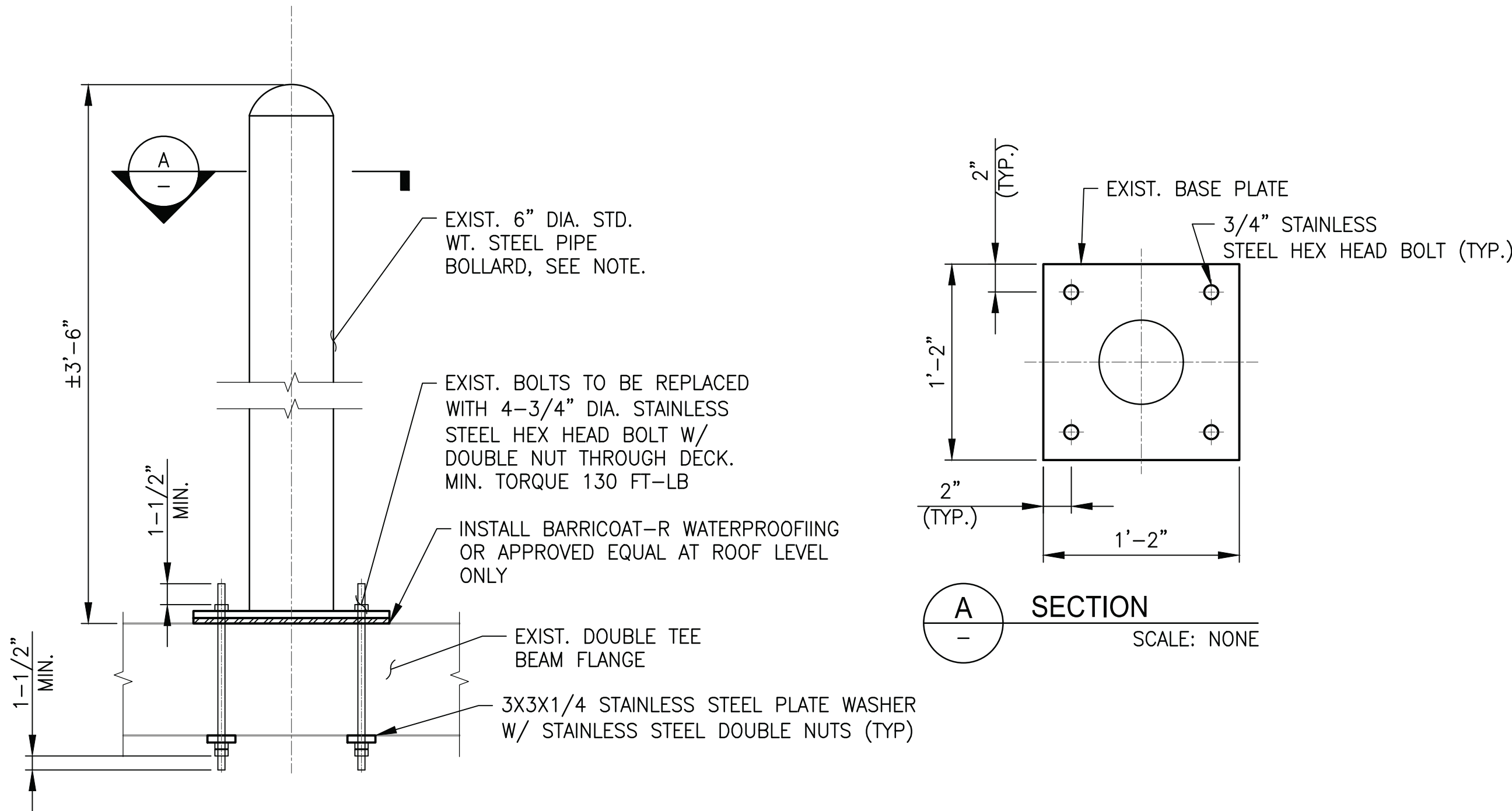
4. TRAFFIC BEARING MEMBRANE IS ALSO REQUIRED ON AREAS OVER OCCUPIED SPACES, AT THE BOTTOM OF THE RAMPS AND DIAMOND SHAPED AREAS.



DETERIORATED TRAFFIC TOPPING

23  
S-513 TYPICAL TRAFFIC BEARING MEMBRANE

NOT TO SCALE



PIPE BOLLARD ANCHOR BOLT REPLACEMENT DETAIL

NOTE: SEE ARCHITECTURAL SPECIFICATION FOR BOLLARD PAINTING REQUIREMENTS.



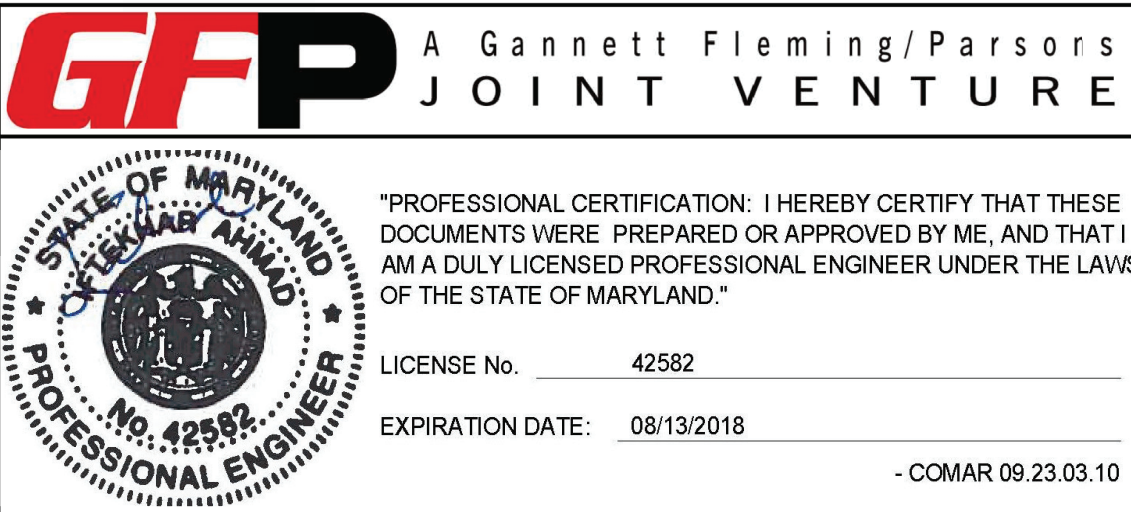
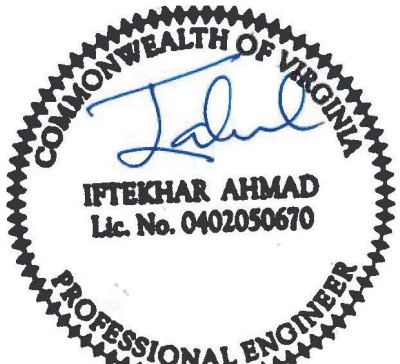
TYPICAL DEFECT AT TRAFFIC BOLLARD

24  
S-513 TYPICAL TRAFFIC BOLLARD REPAIR DETAIL

NOT TO SCALE

"PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND."

LICENSE No. 34339  
EXPIRATION DATE: 06/17/2019



<div>DESIGNED <u>M. PARK</u> DATE 01/2018</div> <div>DRAWN <u>L. NGUYEN</u> DATE 01/2018</div> <div>CHECKED <u>L. KATSMAN</u> DATE 01/2018</div>	REFERENCE DRAWINGS		REVISIONS				<div><div><div><div></div><div>metro</div></div><div>WASHINGTON METROPOLITAN AREA TRANSIT AUTHORITY</div><div>OFFICE OF THE CHIEF OPERATING OFFICER</div><div>IRPG - FIXED FACILITIES</div><div><div><div>APPROVED</div><div>JOHN PURDY</div><div>ENGINEERING MANAGER</div></div><div><div>01/25/2018</div><div>DATE</div></div><div><div>APPROVED</div><div>IFTEKHAR AHMAD / DIPANKAR SENGUPTA</div><div>ENGINEER OF RECORD</div></div><div><div>01/25/2018</div><div>DATE</div></div></div></div></div>	REHABILITATION OF PARKING GARAGES STANDARD STRUCTURAL REPAIR DETAILS					
	NUMBER	TITLE	DATE	NUM	DESCRIPTION			TYPICAL REPAIR DETAILS 13 OF 19					
			01/25/2018	0	FINAL SUBMITTAL								
			05/15/2018	1	AMENDMENT # 2								