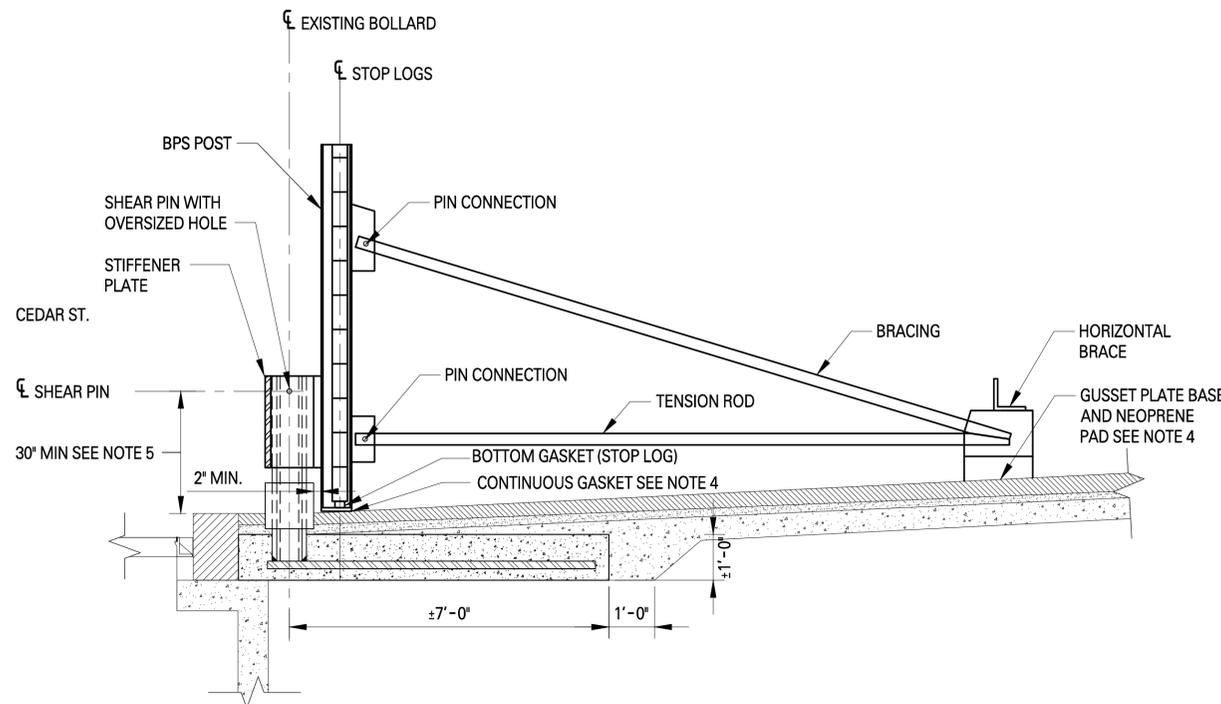




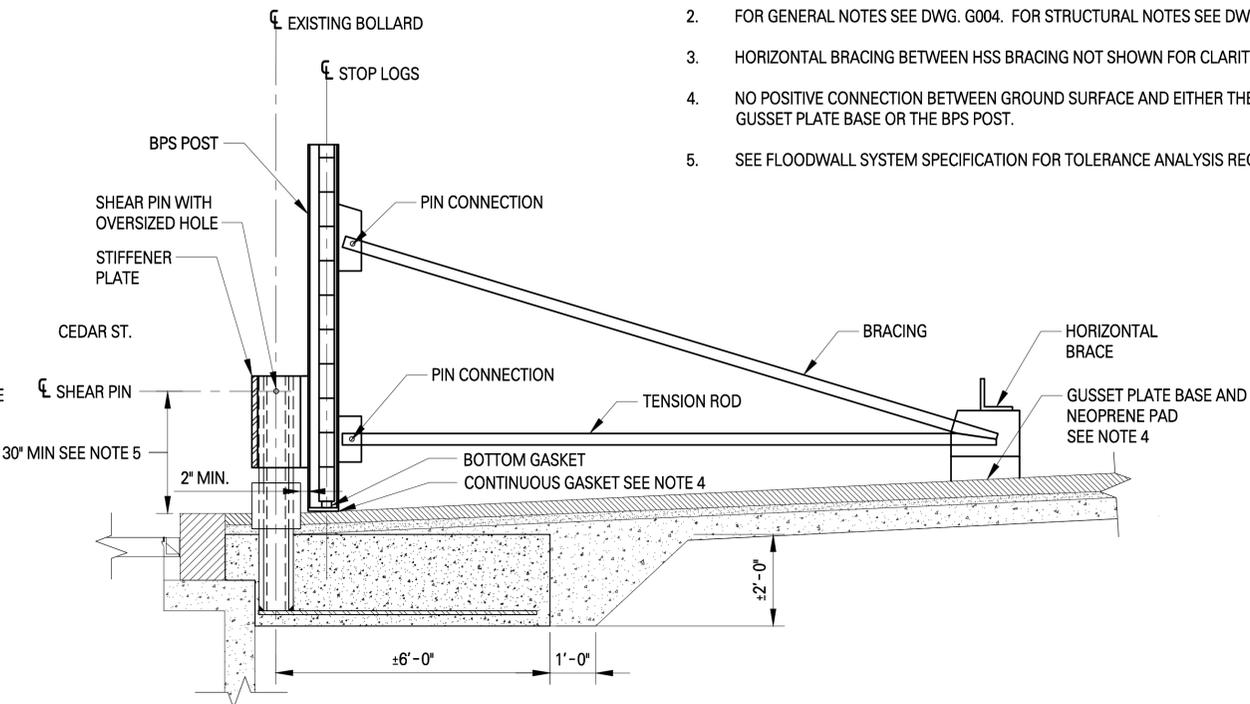
ROBERT C. GALLUP
N.Y. Professional Engineer # 069840-1

NOTES.

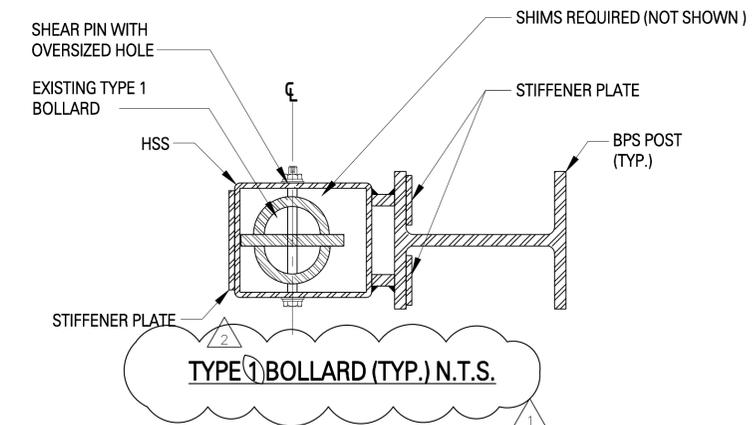
1. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS BY SURVEYING.
2. FOR GENERAL NOTES SEE DWG. G004. FOR STRUCTURAL NOTES SEE DWG. S101.
3. HORIZONTAL BRACING BETWEEN HSS BRACING NOT SHOWN FOR CLARITY.
4. NO POSITIVE CONNECTION BETWEEN GROUND SURFACE AND EITHER THE GUSSET PLATE BASE OR THE BPS POST.
5. SEE FLOODWALL SYSTEM SPECIFICATION FOR TOLERANCE ANALYSIS REQUIREMENT.



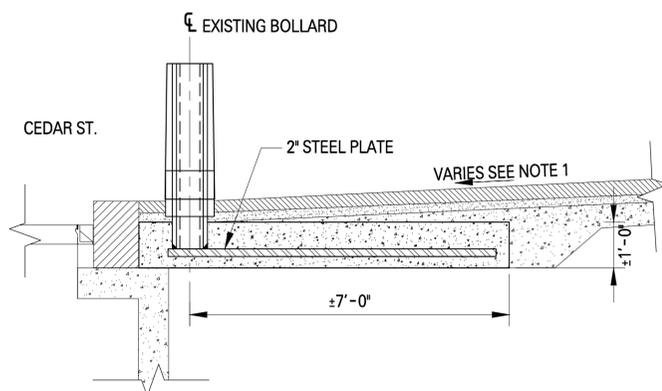
S 1
S103 8' BPS POST
SCALE IN FEET



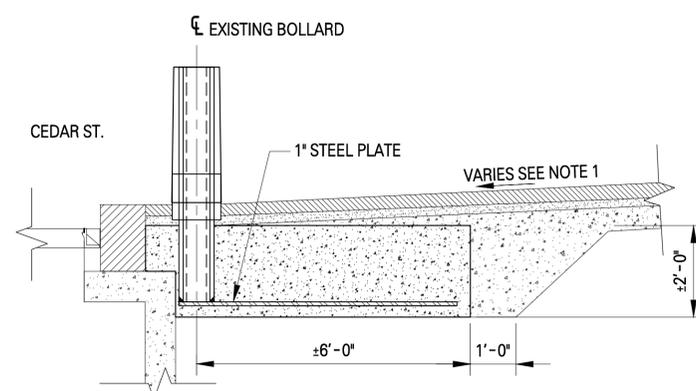
S 2
S102 8' BPS POST
SCALE IN FEET



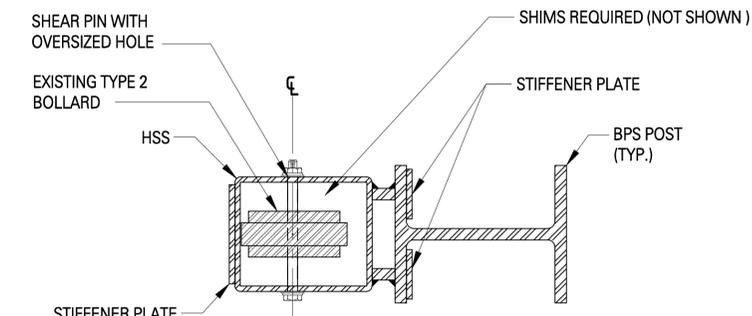
TYPE 1 BOLLARD (TYP.) N.T.S.



S 1
S103 EXISTING SHALLOW FOOTING
SCALE IN FEET



S 2
S102 EXISTING SHALLOW FOOTING
SCALE IN FEET



TYPE 2 BOLLARD (TYP.) N.T.S.

No.	Date	Revision	Approved
2	06/01/2015		
1	05/27/2015		

ENGINEERING DEPARTMENT			
WORLD TRADE CENTER			
STRUCTURAL			
Title			
BPS - VSC BOLLARD PROTECTION SYSTEM			
CEDAR STREET BPS DETAILS - 1			

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D.GREEN **M.DIAZ** **R.GALLUP**
Designed by Drawn by Checked by

Date 04/29/2015

Contract Number **WTC-964.952**

Drawing Number **S201**

PID# #####