

GENERAL NOTES – SITE WALLS

CODES

- BUILDING CODE:** INTERNATIONAL BUILDING CODE (IBC), 2012.
- STRUCTURAL CONCRETE:** AMERICAN CONCRETE INSTITUTE (ACI), BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, 318-02.
- CONCRETE MASONRY:** MASONRY STANDARDS JOINT COMMITTEE CODE, ACI530-02/ASCE5-02/TMS402-02, 2002.

DESIGN LOADS

- DEAD LOADS** INCLUDE THE SELF-WEIGHT OF THE STRUCTURAL COMPONENT:

- LATERAL DESIGN LOADS** ACTING ON THE RETAINING WALL:

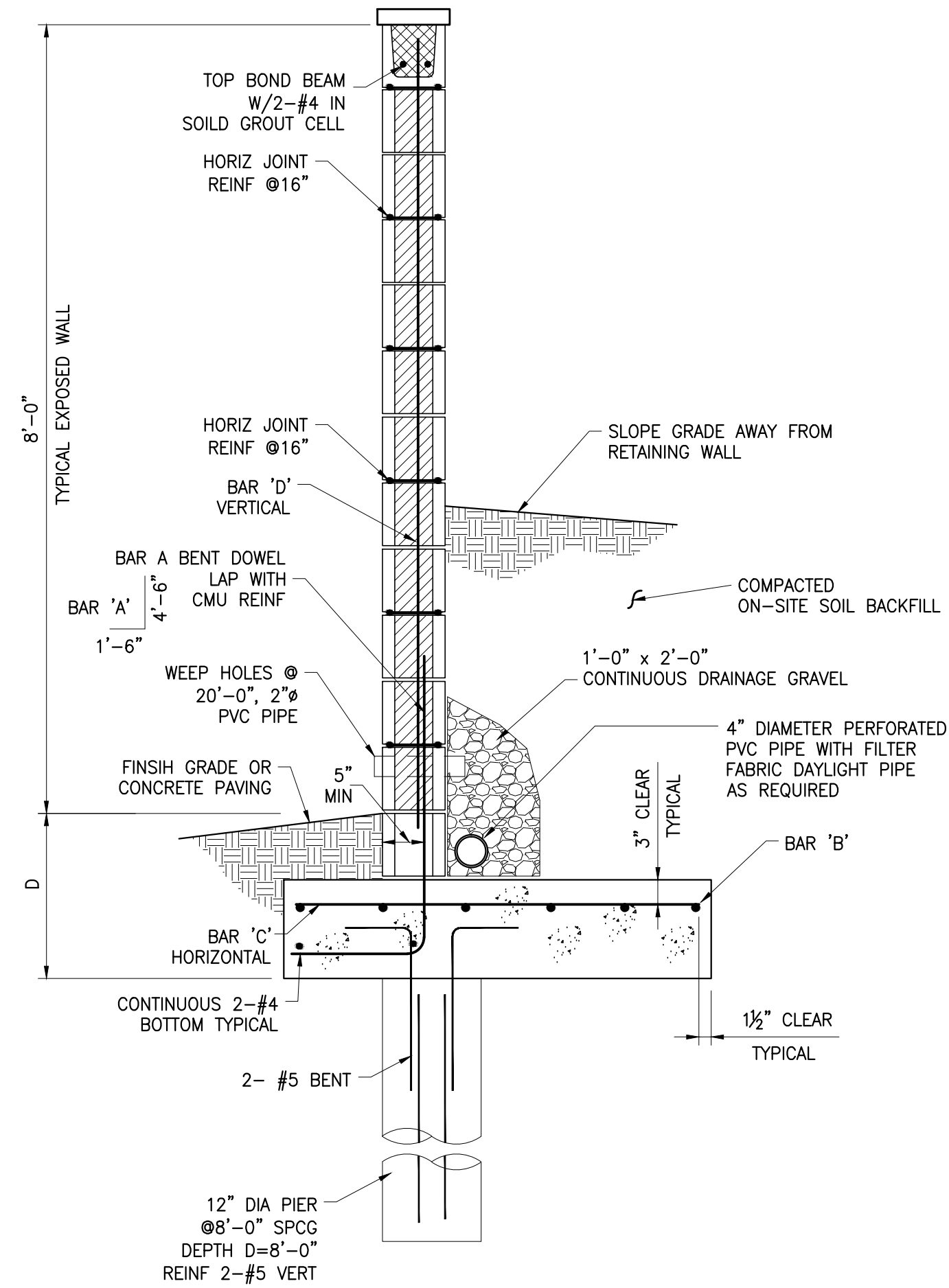
50 PSF PER FOOT OF WALL HEIGHT.

- WIND LOAD** PARAMETERS INCLUDE THE FOLLOWING:

ULTIMATE WIND SPEED 115 MPH
EXPOSURE B
RISK CATEGORY II

- REFER TO PROJECT SOILS REPORT BY: AMERICAN STRUCTURAL INSPECTIONS, REPORT NO.: GD 14001 DATED SEPTEMBER 2014.

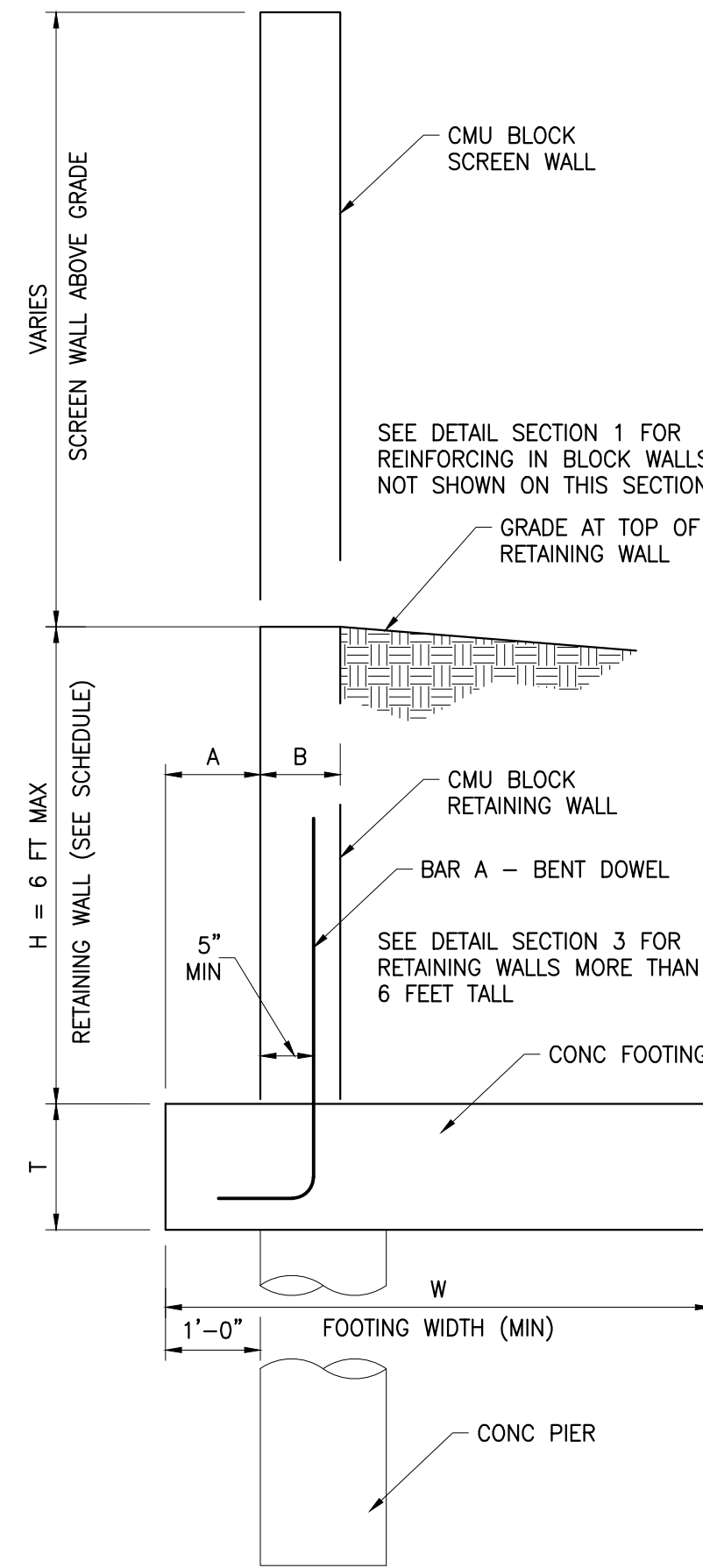
- REFER TO PROJECT CIVIL SITE PLAN FOR RETAINING WALLS AND SCREEN WALL LOCATIONS AND HEIGHTS.



**TYPICAL WALL SECTION
CMU BLOCK WALL**

SCALE: 1" = 1'-0"

1
S1.3



**TYPICAL WALL SECTION
DIMENSION SCHEDULE**

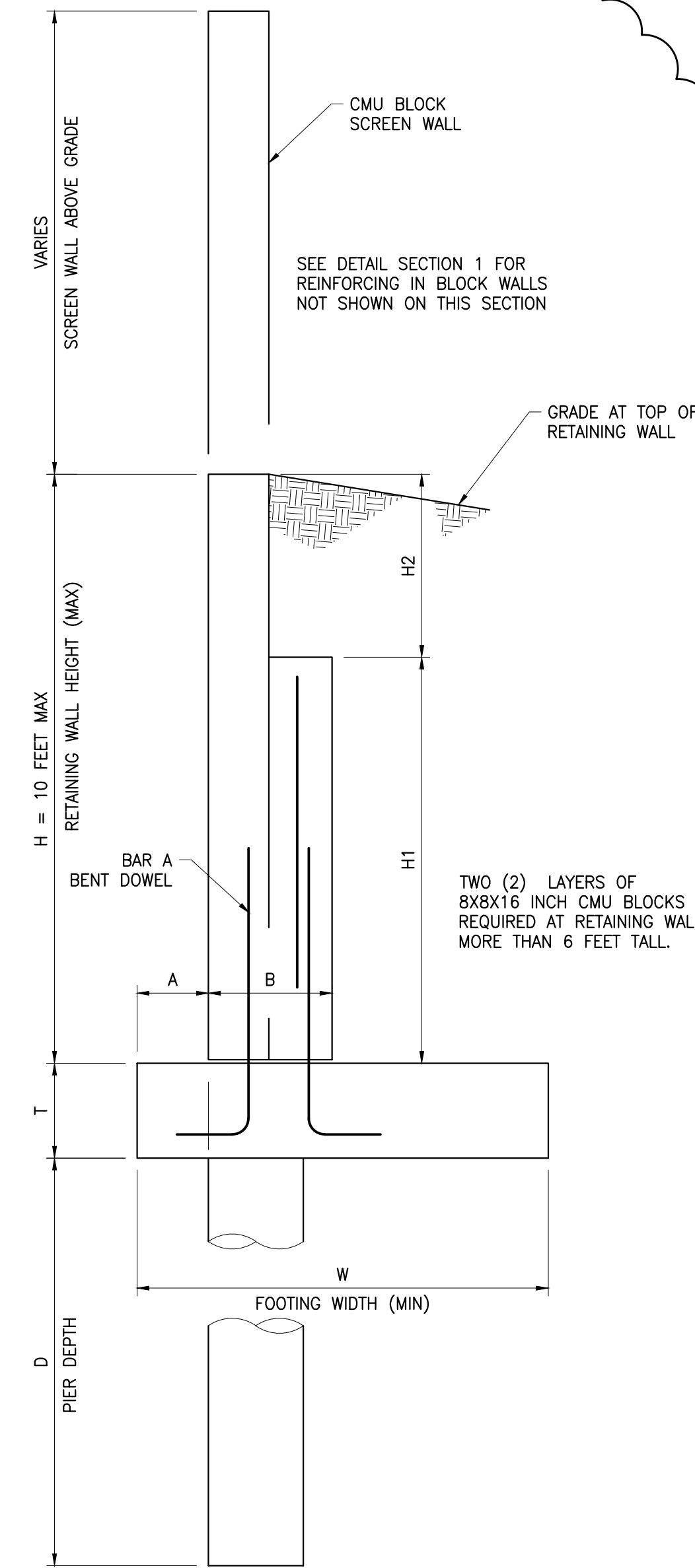
SCALE: 1" = 1'-0"

2
S1.3

H MAX	D	W MIN	A	B	T	BAR 'A' BENT DOWEL	BAR 'B'	BAR 'C'	BAR 'D', VERT
2'-0"	1'-0"	2'-0"	1'-0"	8"	8"	#4 @ 16" OC	3-#4	#4 @ 16" OC	#4 @ 16" OC
4'-0"	1'-6"	2'-6"	1'-0"	8"	8"	#4 @ 8" OC	4-#4	#4 @ 16" OC	#4 @ 16" OC
6'-0"	2'-0"	4'-0"	1'-0"	8"	12"	#5 @ 8" OC	5-#4	#4 @ 16" OC	#4 @ 16" OC

NOTES:

- CONCRETE AND GROUT FILL: 3000 PSI COMPRESSIVE STRENGTH.
- REBAR: GRADE 60 - #4 BARS AND GREATER GRADE 40 - #3 BARS.
- ROCK VENEER FACING OPTIONAL AS SELECTED BY OWNER
- SET VERTICAL EXPANSION JOINT IN BLOCK WALL AT 24 FEET (MAX).
- DECORATIVE BLOCK PILASTERS 16 INCH SQUARE MAY BE INSTALLED AT WALL CORNERS AND AT EXPANSION JOINTS - AT OWNERS OPTION.
- CONSTRUCT CMU WALLS USING LOW-LIFT GROUT METHOD. PLACE 4'-0" MAXIMUM HEIGHT.
- LAP VERTICAL BARS IN CMU WALLS 1'-6" (MIN)



**TYPICAL WALL SECTION
DIMENSION SCHEDULE**

SCALE: NOT TO SCALE

3
S1.3

H MAX	H1	H2	W MIN	A	B	T	BAR 'A' BENT DOWEL	BAR 'B'	BAR 'C'	BAR 'D', VERT
8'-0"	4'-0"	4'-0"	5'-0"	1'-2"	1'-4"	12"	#4 @ 8" OC	6-#4	#4 @ 8" OC	#4 @ 8" OC
10'-0"	6'-0"	4'-0"	6'-0"	1'-2"	1'-4"	12"	#5 @ 8" OC	7-#4	#4 @ 8" OC	#4 @ 8" OC

SITE WALLS - DETAILS

PLATINUM SELF STORAGE
TOWNSEND ROAD
ROCKWALL, TEXAS

DATE: MAY 14, 2015
SCALE: AS NOTED

PROJECT NO.: 104904.0
FILE NAME: 104904.0.DWG
DRAWN BY: M IBARRA
DESIGNED BY: B WILSON
CHECKED BY: B WILSON
APPROVED BY: B WILSON

S1.3

REV. NO.	ISSUE DATE	DESCRIPTION
0	04-28-15	FOR CONSTRUCTION
1	05-14-15	ADDED DETAIL FOR TALLER RETAINING WALL



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