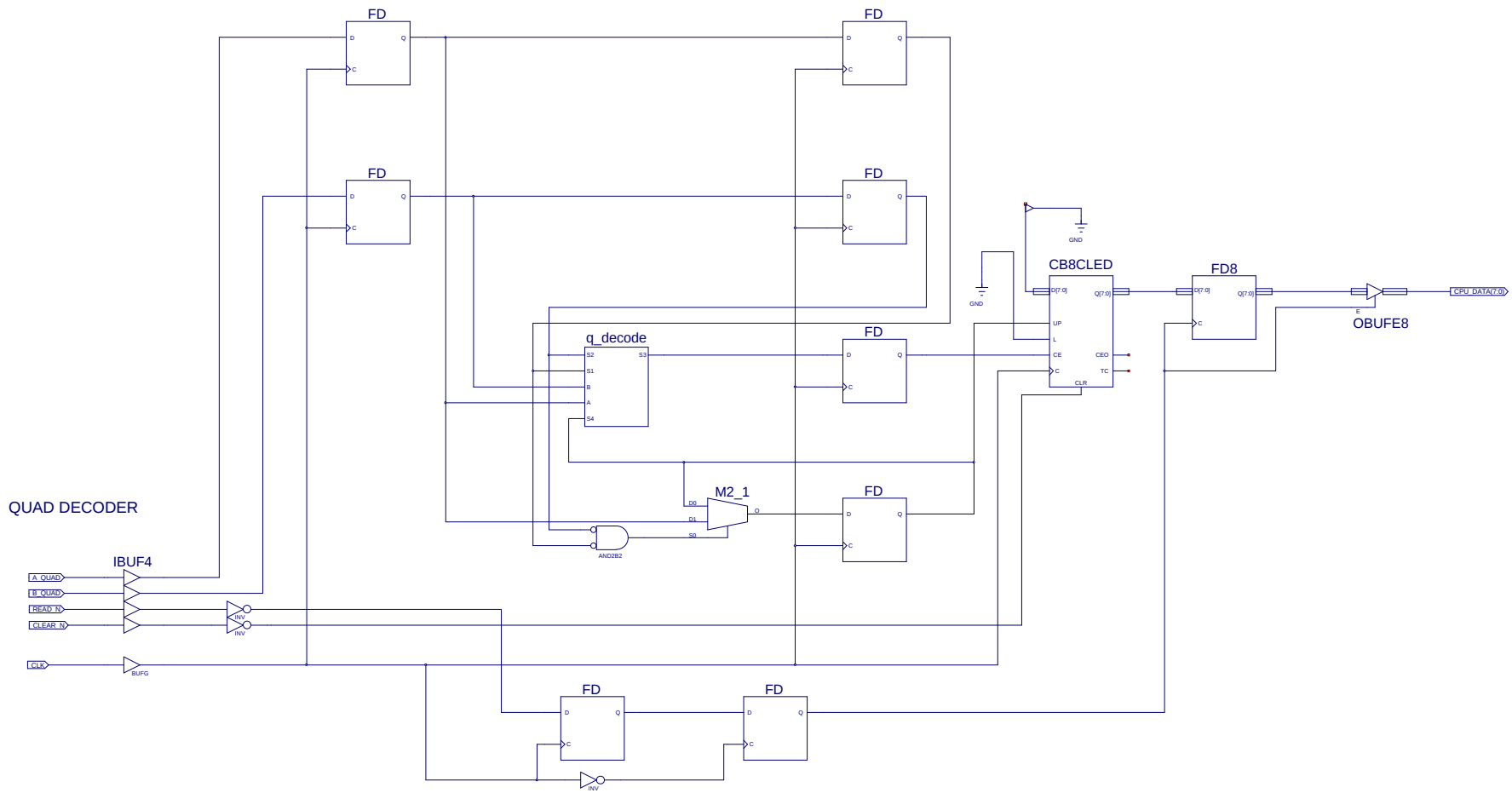
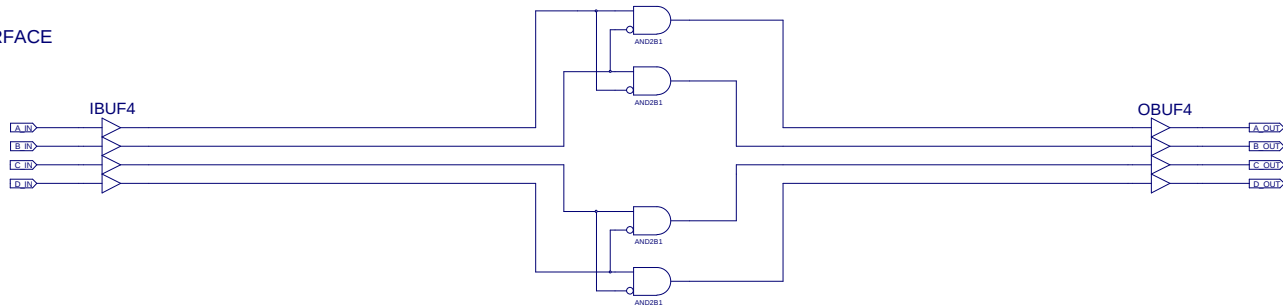


QUAD DECODER



H-BRIDGE INTERFACE



Title: New Anti-biofouling Shutter Controller CPLD	
Comments: Designed by Michael Risi	
Date: Friday, December 28, 2001	Document Number: 101358
Rev:	

```
1  " *****
2  " New Anti-biofouling Shutter
3  " Designed by Michael Risi
4  " December 28, 2001
5  " © 2002 Monterey Bay Aquarium Research Institute
6  " *****
7
8  module q_decode
9  Title 'q_decode'
10
11  Declarations
12
13  S2 PIN;
14  S1 PIN;
15  B PIN;
16  A PIN;
17  S4 PIN;
18  S3 PIN istype 'reg';
19
20  " <<add your declarations here>>
21
22  Equations
23
24  S3 = (!S1 & S2 & S4 & !A & !B)
25      # ( S1 & !S2 & !S4 & !A & !B);
26
27  end q_decode
```