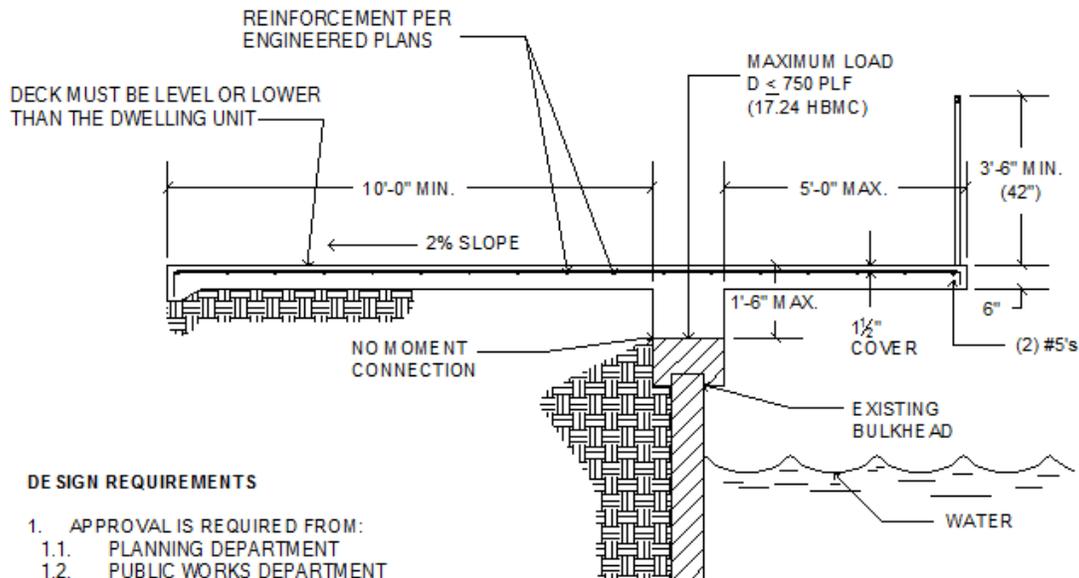


**SUBJECT:** Typical Bulkhead Deck

**OBJECTIVE:** To clarify design & loading requirements for bulkhead decks.



**DESIGN REQUIREMENTS**

1. APPROVAL IS REQUIRED FROM:
  - 1.1. PLANNING DEPARTMENT
  - 1.2. PUBLIC WORKS DEPARTMENT
2. DESIGN LOADS:  
LL = 100 PSF, DL = 75 PSF + 20 PSF (misc)  
TOTAL LOADING = 195 PSF
3. COMPLETE PLANS, SPECIFICATIONS, DETAILS AND CALCULATIONS ARE REQUIRED FOR THE DECK BY A CALIFORNIA LICENSED ENGINEER OR ARCHITECT.
4. DECK SHALL BE IN MAXIMUM 50'-0" LONG SEGMENTS AND 80% OF BULKHEAD ABUTTING LOT.
5. THE PORTION OF A WINDSCREEN ABOVE 36" SHALL BE COMPOSED OF MATERIALS WHICH REQUIRES A MINIMUM OF 85% TRANSMISSION OF LIGHT WHEN VIEWED (FOR MORE INFORMATION SEE SECTION 210.6{R} HBZSO). ENGINEERING & STRUCTURAL CALCULATIONS ARE REQUIRED FOR ATTACHMENTS.
6. DESIGNER MUST INCLUDE ANALYSIS IN THE CALCS FOR SEISMIC UPLIFT PER ASCE 7-10 SECTION 12.4.4.

**REQUIRED NOTES (TO BE MADE PART OF THE PLANS)**

1. CONTINUOUS INSPECTION PER CBC SECTION 1704, SPECIAL INSPECTION (DEPUTY INSPECTOR) SHALL BE REQUIRED FOR PLACEMENT, TESTING & SAMPLING OF ALL CONCRETE WORK. DEPUTY INSPECTOR SHALL GIVE "CERTIFICATE OF COMPLIANCE" TO THE CITY INSPECTOR.
2. MINIMUM CONCRETE TESTS SHALL CONSIST OF TWO CONCRETE CYLINDERS & A SLUMP TEST FOR EACH TYPE. TWO CONCRETE COMPRESSION CYLINDERS SHALL BE MADE BY THE DEPUTY INSPECTOR & OWNER SHALL PROTECT CYLINDERS FROM DAMAGE 48 HOURS PRIOR TO SHIPMENT TO TESTING LABORATORY.
3. MECHANICAL VIBRATION SHALL BE USED DURING CONCRETE PLACEMENT.
4. CITY INSPECTOR SHALL VERIFY LOCATION OF ALL STEEL REINFORCEMENTS, DOWELS, METAL INSERTS, ETC. PRIOR TO PLACEMENT OF CONCRETE. ALL REINFORCEMENT DOWELS & METAL INSERTS SHALL BE SECURED IN PLACE PRIOR TO INSPECTION & CONCRETE PLACEMENT.