**GENERAL NOTES:**

1. For type of block and joint finish, see other sheets.
2. When blocks are laid in stacked bond, ladder-type, galvanized joint reinforcement shall be provided.
3. Galvanized joint reinforcement shall be a minimum of two continuous 9/16" wires at 4'-0" maximum spacing.
4. Locate reinforcement in joints that are at the approximate midpoint between bond beams.
5. Horizontal joints shall be tooled concave or may be weathered.
6. Vertical joints shall be tooled concave or may be raked.
7. Locate reinforcement in joints that are at the approximate midpoint between bond beams.
8. For intermediate wall heights that are between the "H's" given, use the tabular information for the next higher "H".

**REINFORCED CONCRETE & CONCRETE MASONRY**

- **f'c**: 3600 psi (Retaining Wall Design)
- **f'm**: 2500 psi for high-strength block

**DESIGN NOTES:**

- **f'c**: 3600 psi
- **f'm**: 2000 psi
- **fy**: 60 ksi
- **f'm**: 2500 psi for high-strength block

* Provide materials to achieve net compressive strength of concrete masonry unit equal to or greater than specified f'm*.

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**SECTION A-A**

**H=6'-0" THRU H=10'-0"**

**SECTION B-B**

**H=12'-0" THRU H=16'-0"**

**NOTES:**

- **#4** bars @ 1'-4" max
- **#5** bars @ 8'-0" max
- **#6** bars @ 10'-0" max
- **#8** bars @ 14'-0" max
- **#12** bars @ 16'-0" max

**NOTE 3:**

- CELLS WITH VERTICAL REIN AND BOND BEAMS TO BE FILLED WITH GROUT
- AT EXPANSION JOINTS, CONTINUOUS EXPANSION JOINT FILLER PLACED IN SASH BLOCK RECESES, SIZE AS REQUIRED FOR SUGG FIT

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**DETAILED DESIGN:**

- **5'-0" Min BOND BEAM AND REINF EXTENSION AT STEP**
- **8'-0" Min BOND BEAM AND REINF EXTENSION AT STEP**
- **10'-0" Min BOND BEAM AND REINF EXTENSION AT STEP**
- **12'-0" Min BOND BEAM AND REINF EXTENSION AT STEP**
- **14'-0" Min BOND BEAM AND REINF EXTENSION AT STEP**
- **16'-0" Min BOND BEAM AND REINF EXTENSION AT STEP**

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**CONTACT NO.:**

- **STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION DIVISION OF ENGINEERING SERVICES MASONRY BLOCK SOUND WALL ON RETAINING WALL DETAILS No. 1**

**FILE NO.:**

- **register No.: 6095000000**
- **file: 6095000000**
- **date: 09-24-19**

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**BRIEFS:**

- **bridge manual: bridge-standard-detail-sheets/index.html**
- **Refer to: http://www.dot.ca.gov/hq/esc/techpubs/manual/notes.html**