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| APPLICABLE CODES |   |
|------------------|---|
| 1.               | FLORIDA BUILDING CODE, 2007 EDITION, CHAPTER 14   |
| 2.               | A.C.I. 308.2R FOR REINFORCED CONCRETE   |
| 3.               | A.C.I. 308.4R FOR PRECAST/PREFABRICATED CONCRETE  |
| 4.               | A.C.I. 308.5R FOR PRECAST/PREFABRICATED CONCRETE WALLS, PARTITION WALLS, AND PARTITIONS |
| 5.               | A.C.I. 308.6R FOR PRECAST/PREFABRICATED CONCRETE WALLS, PARTITION WALLS, AND PARTITIONS |

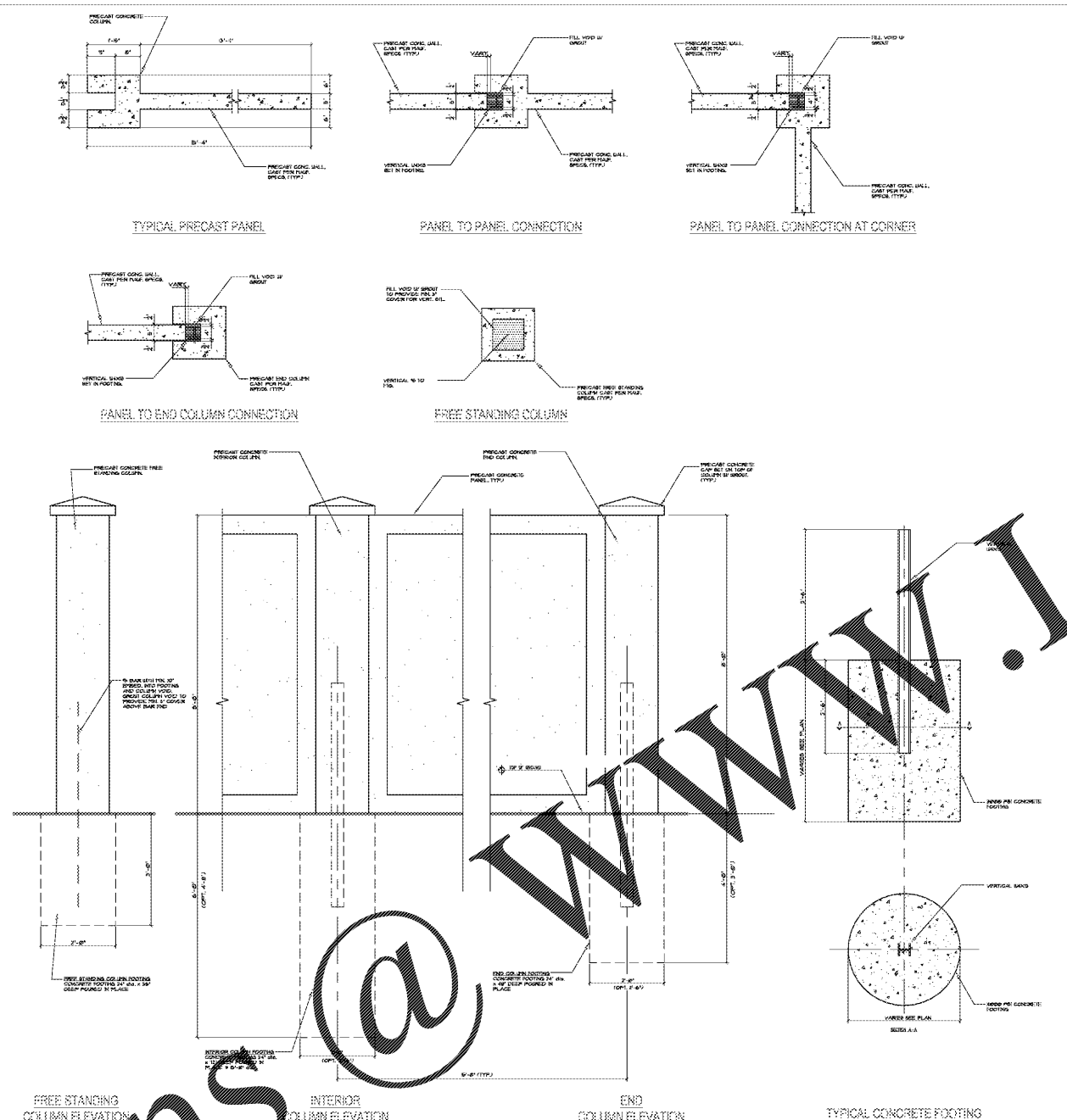
| MATERIALS (U. O. N. ON PLANS) |   |
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| 1.                            | CONCRETE  |
| 2.                            | ALL STRUCTURAL CONCRETE SHALL CONFORM TO ACI 308.4R |
| 3.                            | CONCRETE SHALL BE                                   |
| 4.                            | 5/8" x 30" PER 12" CENTER TO 12" DIA. BARS          |

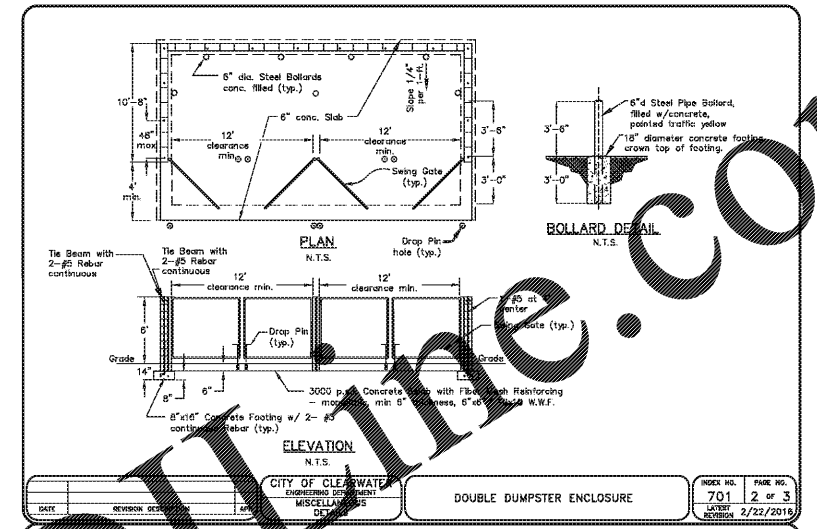
| DESIGN CRITERIA AND LOADS |                            |
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| 2.                        | WIND SPEED CATEGORY III    |
| 3.                        | WIND EXPOSURE CATEGORY B   |
| 4.                        | WIND PRESSURE COEFFICIENTS |
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| FOUNDATIONS |   |
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| 1.          | SOIL BEARING CAPACITY TO BE DETERMINED BY GEOTECHNICAL ENGINEER AND SHALL BE AT LEAST 2,500 PSF                     |
| 2.          | IF SOIL BEARING CAPACITY IS LESS THAN 2,500 PSF, THE FOUNDATION SHALL BE DESIGNED TO BEAT THE SOIL BEARING CAPACITY |
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8' PRECAST WALL  
DETAIL ALONG SOUTH  
PROPERTY LINE  
SCALE: 1/2"=1'-0"

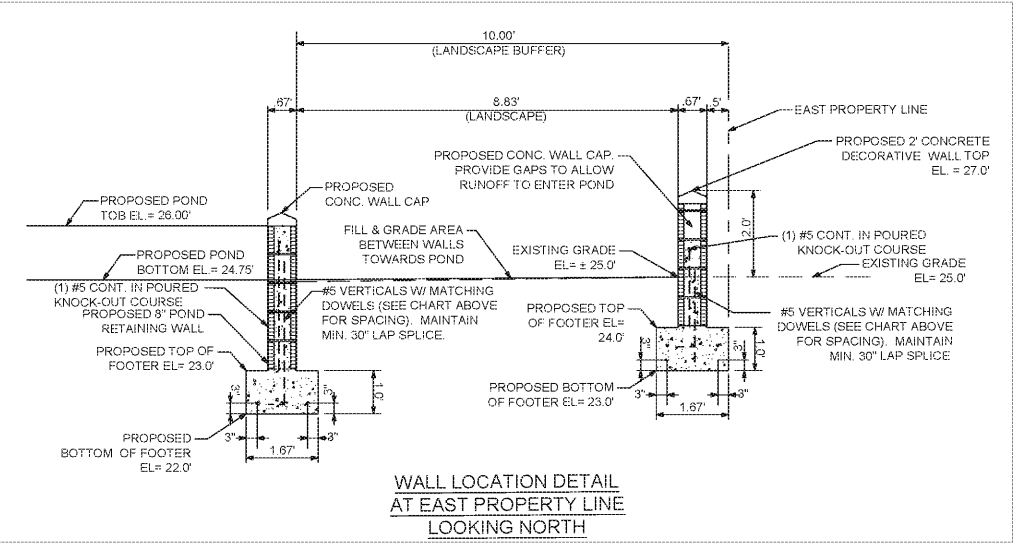


**NOTES:**

- WALLS
  - New construction shall be constructed of concrete block (8"x8"x16").
  - Maximum 8" high replacement materials can be made of the same materials as long as they are made of approved masonry.
- CONCRETE SLAB
  - Monolithic, min. 6" thickness w/ embedded 6"x6"/10x10 welded wire fabric (W.W.F.), 3000 PSI with fiber mesh reinforcing.
- CONCRETE FILLED CELLS
  - With 1-#6 vertical rebar tied to footer steel at each corner and every 4' O.C.
- DROP PIN
  - 1/2" dia. 18" long metal rod gate latch. Provide 3/4" dia. hole 6" into concrete for rods. In asphalt provide a 3/4" P.V.C. sleeve, 6" long, or equal.
- SOIL
  - Soil bearing capacity to be at least 2,500 PSF.
- BOLLARD
  - 3'-6" high, 6" diameter steel pipe bollard filled with concrete, painted traffic yellow, embedded 3'-0" deep in 18" concrete foundation. (See Detail)

**CONCRETE MASONRY WALL CONSTRUCTION**  
Materials, construction and quality control of masonry shall be in accordance with Florida Building Code Chapter 21.

- All reinforcing steel shall be deformed bars conforming to ASTM A-615, Grade 60. Vertical reinforcement shall be placed in the center of the masonry cell, and shall be held in position at the top and bottom.
- If a slab dowel does not line-up with a vertical core, it shall not be sloped more than one horizontal in six verticals (1:6).
- Horizontal wall reinforcement shall be standard truss type DUR-O-WALL (or equivalent) at 18" o.c.
- Hollow Load-bearing Concrete Masonry Units shall be normal weight conforming to ASTM C-90, with a minimum compressive strength of 1,900 PSI.
- Mortar shall be type M or S, in accordance with ASTM C-270. Place all masonry in running bond with 3/8" mortar joints. Provide complete coverage face shell mortar bedding, horizontal and vertical.
- Course grout shall conform to ASTM C-476, with a maximum aggregate size of 3/8", 8" to 10" slump, and a minimum compressive strength of 2,500 PSI at 28 days.
- Minimum 3" x 3" clean-out holes (saw-cut) are required at the bottom course of all cells to verify grout placement. Clean-outs shall be sealed after masonry inspection—provided in accordance with AD 331-4.6, and before grouting.
- Prior to grouting, the grout space shall be clean, with no mortar projections greater than 1/2", mortar droppings or other foreign material. All cells shall be in vertical alignment, and shall solidly be filled with course grout as specified.
- During placing, grout shall be consolidated with flexible cable vibrator. First grout pour shall be stopped a minimum of 1 - 1/2" below the top of the middle bond beam masonry.



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TAMPA, FLORIDA 33602

**BP STATION**  
3009 GULF TO BAY BLVD.  
CLEARWATER, FLORIDA 34619

**AEC Services, Inc.**  
1818 ALLISON WOODS LANE  
TAMPA, FLORIDA 33619  
(813) 884-1234  
www.aecservicesinc.com

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| 7   |             |      |            |          |
| 8   |             |      |            |          |
| 9   |             |      |            |          |
| 10  |             |      |            |          |

**SITE PLAN  
DETAILS**

**C-3.2**