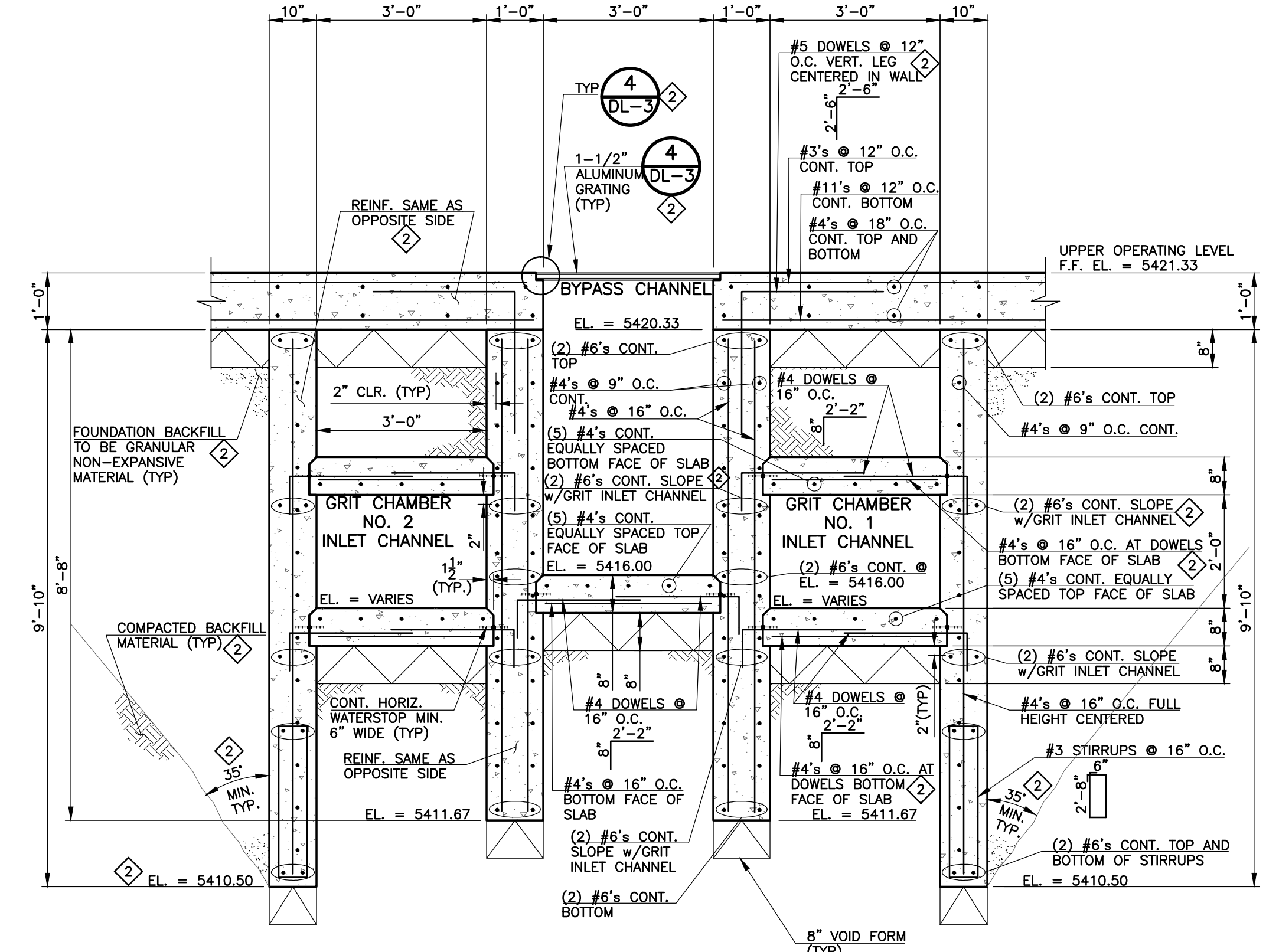


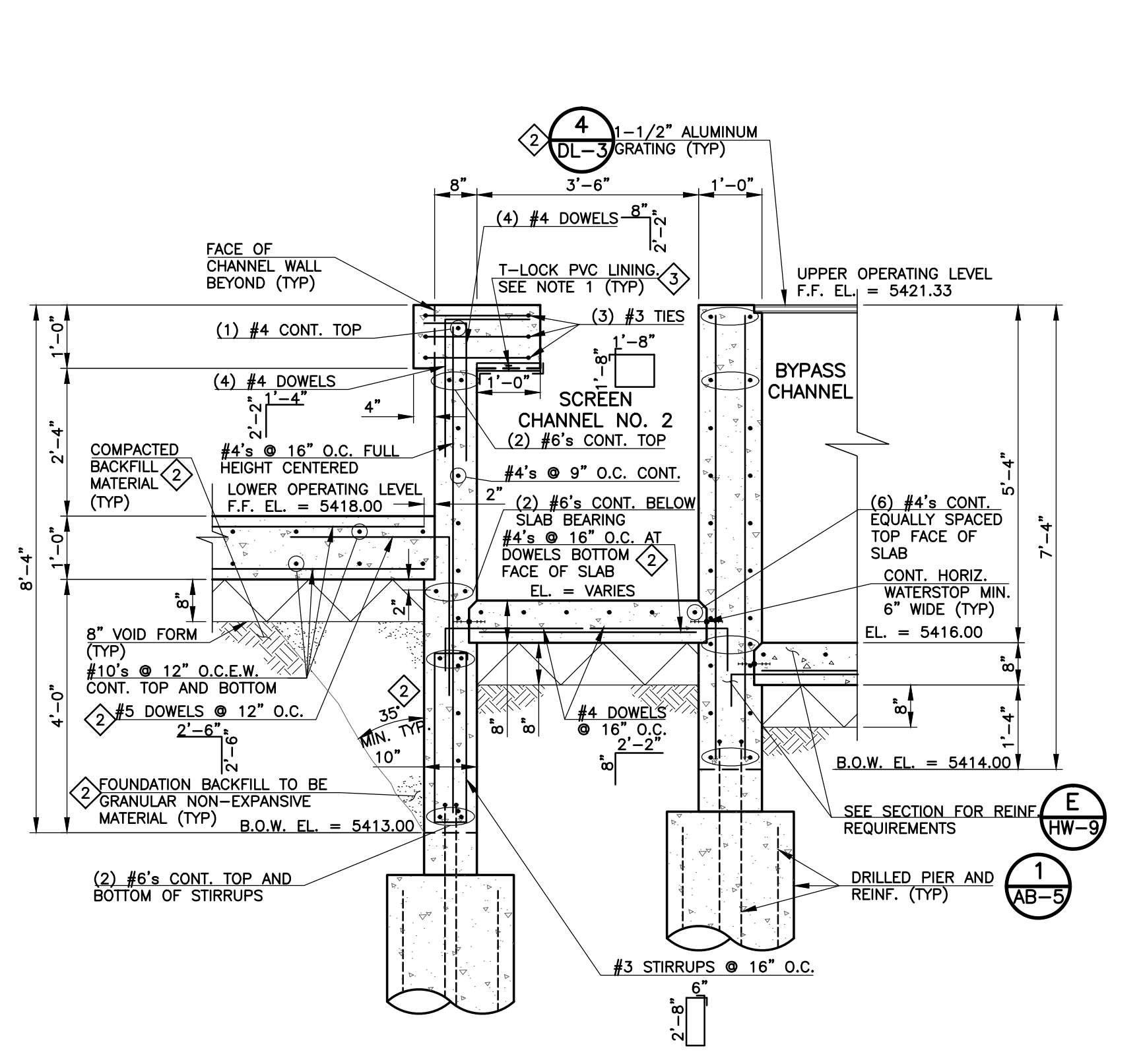
- NOTES:**
1. EACH GRIT CHAMBER OUTLET CHANNEL IS A MIRROR IMAGE OF THE OTHER. ALL DETAILS, DIMENSIONS, REQUIREMENTS, ETC. GIVEN FOR ONE CHANNEL ABOVE SHALL APPLY TO THE OTHER CHANNEL.
  2. WHERE GRIT CHAMBER OUTLET CHANNEL SLABS END AT THE COMMON WALL WITH THE BYPASS CHANNEL, WATERSTOPS SHALL BE WELDED TO FORM A CONTINUOUS SEAL. AT END OF GRIT CHAMBER OUTLET CHANNEL SLABS, THE HORIZONTAL WATERSTOP SHALL CONTINUE DOWN TO THE FLUME CHANNEL/BYPASS CHANNEL SLAB TO BE WELDED TO ITS HORIZONTAL WATERSTOP.

**A GRIT CHAMBER OUTLET CHANNEL SECTION**  
 HW-9 SCALE: 1/2" = 1'-0"



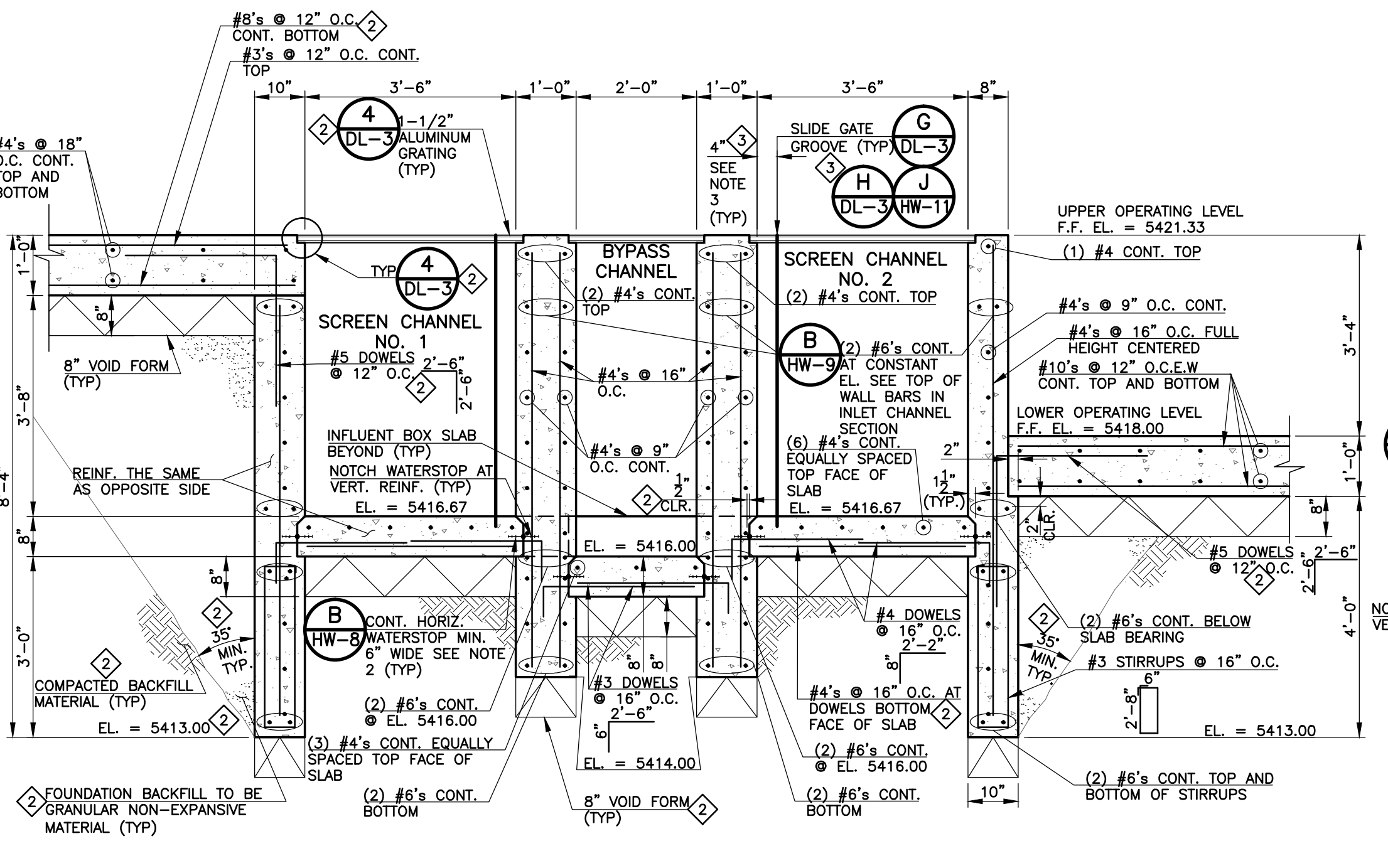
- NOTES:**
1. EACH GRIT CHAMBER INLET CHANNEL IS A MIRROR IMAGE OF THE OTHER. ALL DETAILS, DIMENSIONS, REQUIREMENTS, ETC. GIVEN FOR ONE CHANNEL ABOVE SHALL APPLY TO THE OTHER CHANNEL.

**B GRIT CHAMBER INLET CHANNEL SECTION**  
 HW-9 SCALE: 1/2" = 1'-0"



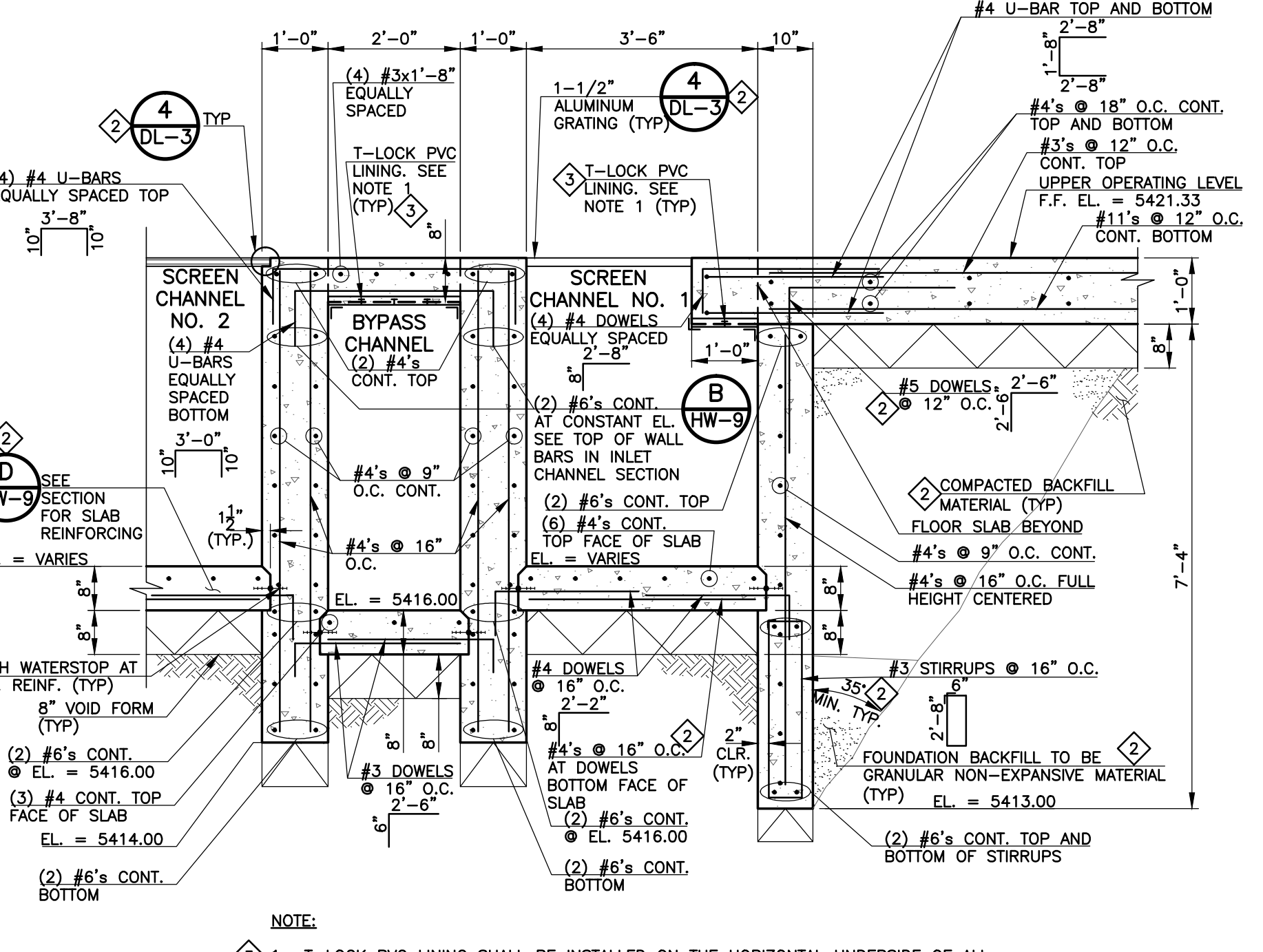
- NOTE:**
1. T-LOCK PVC LINING SHALL BE INSTALLED ON THE HORIZONTAL UNDERSIDE OF ALL SLABS AND OVERHANGS IN THE CHANNELS AND GRIT CHAMBERS. INSTALL MINIMUM 2"x2" WELD STRIPS TO EXTEND ONTO ADJACENT VERTICAL CONCRETE FACES AND PROVIDE COMPLETE SEAL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

**C SCREEN CHANNEL SECTION**  
 HW-9 SCALE: 1/2" = 1'-0"



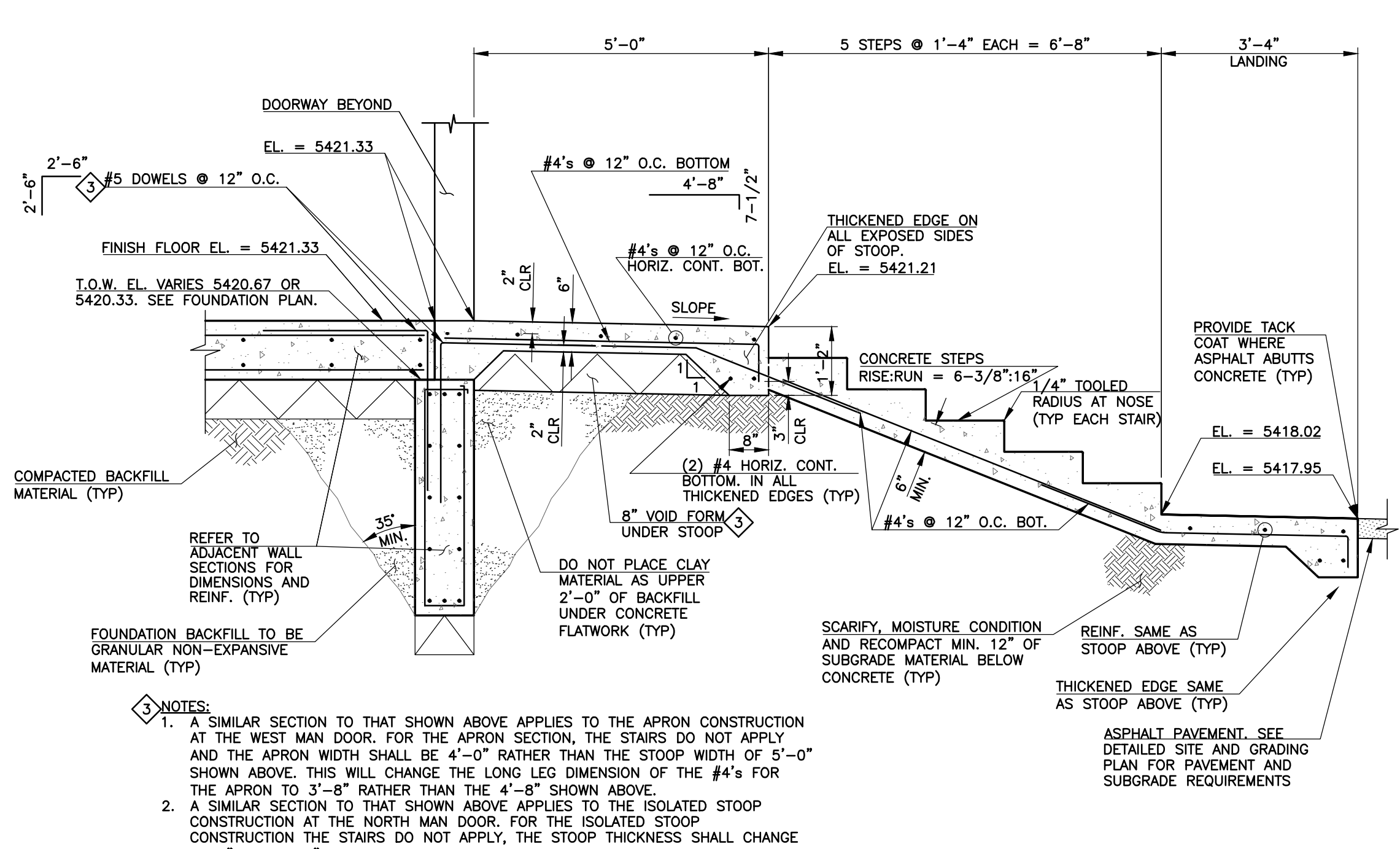
- NOTES:**
1. EACH SCREEN CHANNEL IS A MIRROR IMAGE OF THE OTHER. ALL DETAILS, DIMENSIONS, REQUIREMENTS, ETC. GIVEN FOR ONE CHANNEL ABOVE SHALL APPLY TO THE OTHER CHANNEL.
  2. WHERE THE BYPASS CHANNEL SLAB ENDS AT THE COMMON WALL WITH THE SCREEN CHANNELS, WATERSTOPS SHALL BE WELDED TO FORM A CONTINUOUS SEAL. AT THE END OF THE BYPASS CHANNEL SLAB THE HORIZONTAL WATERSTOP ON EACH SIDE SHALL CONTINUE UP TO THE SCREEN CHANNEL SLABS TO BE WELDED TO THEIR HORIZONTAL WATERSTOPS.

**D SCREEN AND BYPASS CHANNEL SECTION**  
 HW-9 SCALE: 1/2" = 1'-0"



- NOTE:**
1. T-LOCK PVC LINING SHALL BE INSTALLED ON THE HORIZONTAL UNDERSIDE OF ALL SLABS AND OVERHANGS IN THE CHANNELS AND GRIT CHAMBERS. INSTALL MINIMUM 2"x2" WELD STRIPS TO EXTEND ONTO ADJACENT VERTICAL CONCRETE FACES AND PROVIDE COMPLETE SEAL IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

**E SCREEN AND BYPASS CHANNEL SECTION**  
 HW-9 SCALE: 1/2" = 1'-0"



- NOTES:**
1. A SIMILAR SECTION TO THAT SHOWN ABOVE APPLIES TO THE APRON CONSTRUCTION AT THE WEST MAN DOOR. FOR THE APRON SECTION, THE STAIRS DO NOT APPLY AND THE APRON WIDTH SHALL BE 4'-0" RATHER THAN THE STOOP WIDTH OF 5'-0" SHOWN ABOVE. THIS WILL CHANGE THE LONG LEG DIMENSION OF THE #4'S FOR THE APRON TO 3'-8" RATHER THAN THE 4'-8" SHOWN ABOVE.
  2. A SIMILAR SECTION TO THAT SHOWN ABOVE APPLIES TO THE ISOLATED STOOP CONSTRUCTION AT THE NORTH MAN DOOR. FOR THE ISOLATED STOOP CONSTRUCTION THE STAIRS DO NOT APPLY, THE STOOP THICKNESS SHALL CHANGE TO 7" RATHER 6" SHOWN ABOVE AND 1.5 LBS. OF FIBERMESH PER CUBIC YARD SHALL BE ADDED TO THE CONCRETE MIX.
  3. FOR SIMILAR SECTIONS, REFER TO FOUNDATION PLAN FOR TOP OF WALL ELEVATIONS THAT APPLY AT THE SIMILAR LOCATIONS.

**G STOOP AND STAIR SECTION AT DOOR OPENING**  
 HW-9 SCALE: 1/2" = 1'-0"

- SHEET NOTE:**
1. GRADE BEAMS ARE NOT DESIGNED TO CARRY LATERAL SOIL PRESSURES WITHOUT CHANNEL SLABS OR FLOOR SLABS IN PLACE.
  2. THE PLACEMENT OF ON-SITE CLAY MATERIAL IN THE UPPER 2'-0" OF BACKFILL IS INTENDED TO ACT AS A RELATIVELY IMPERVIOUS LAYER. DO NOT PLACE CLAY MATERIAL AS UPPER 2'-0" OF BACKFILL UNDER STOOPS OR OTHER CONCRETE FLATWORK, NOR UNDER ASPHALT OR OTHER PAVEMENTS AS THESE MATERIALS WILL ACT AS THE RELATIVELY IMPERVIOUS LAYER.

| REVISIONS |            |   |
|-----------|------------|---|
| NO.       | DATE       | DESCRIPTION   |
| 1         | 09/03/2010 | PRELIMINARY ISSUE FOR REVISED COST ESTIMATE                               |
| 2         | 01/28/2011 | ISSUED FOR FOUNDATION PERMIT SUBMITTAL TO PRRBD (HEADWORKS)               |
| 3         | 04/08/2011 | ISSUED FOR PREPARATION OF CMO   |
| 4         | 05/17/2011 | ISSUED FOR PREPARATION OF CMO   |
| 5         | 06/20/2011 | ISSUED FOR BUILDING PERMIT SUBMITTAL TO PRRBD (HEADWORKS BUILDING)        |
| 6         | 08/05/2011 | ISSUED FOR CONSTRUCTION PER PRRBD BUILDING PERMIT #68510 (HEADWORKS BLDG) |

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2010 GMS, INC.

**STRUCTURAL SECTIONS**  
 HAROLD D. THOMPSON REGIONAL WATER RECLAMATION FACILITY  
 LOWER FOUNTAIN METROPOLITAN SEWAGE DISPOSAL DISTRICT

**GMS, INC.**  
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DRAWN: GJY  
 DESIGNED: JP/MG  
 CHECKED: MG  
 DATE: 2010  
 PROJECT NO.: 20166.352  
 GMS FILE NO.: 2599

SHEET **HW-9** OF —

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