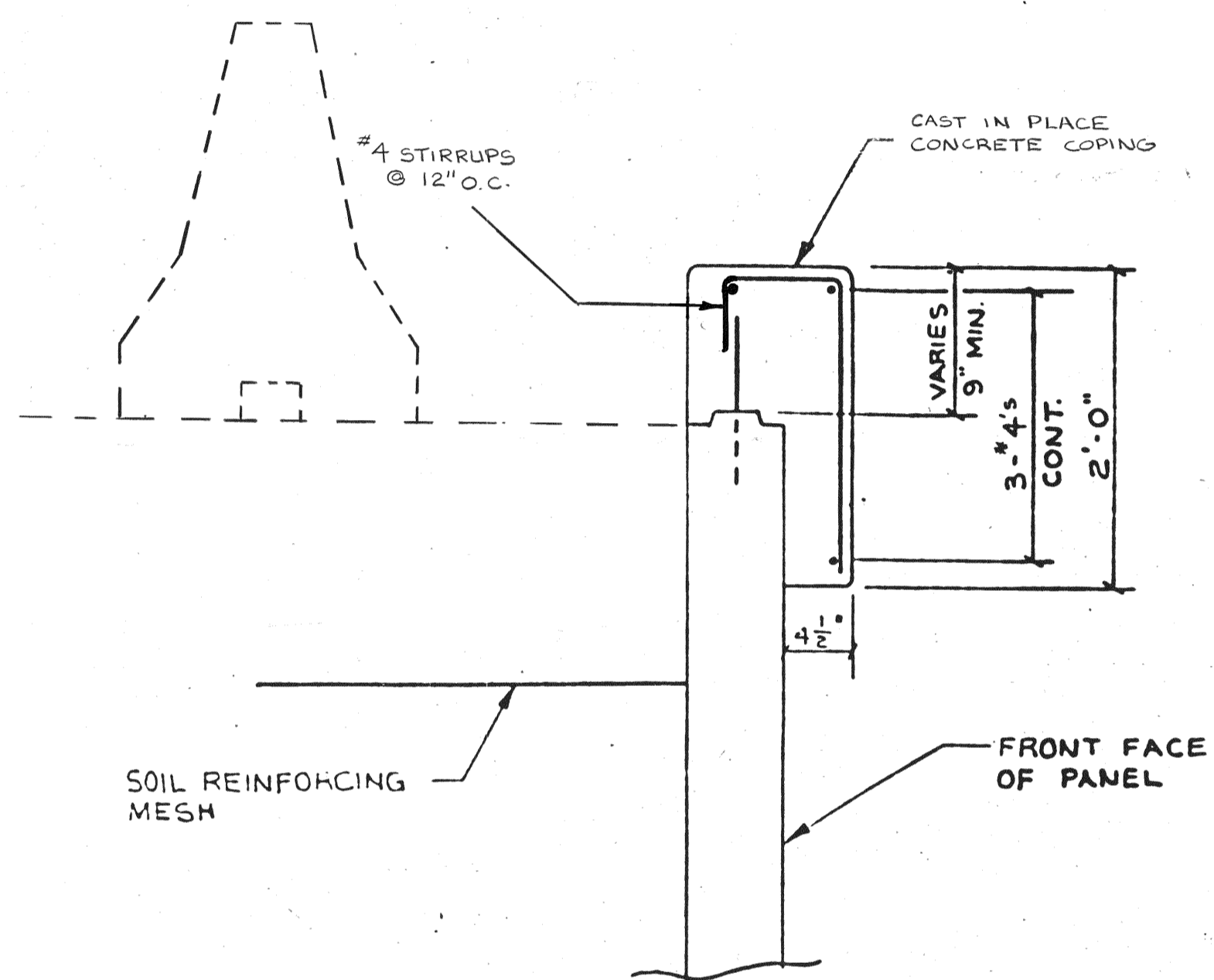
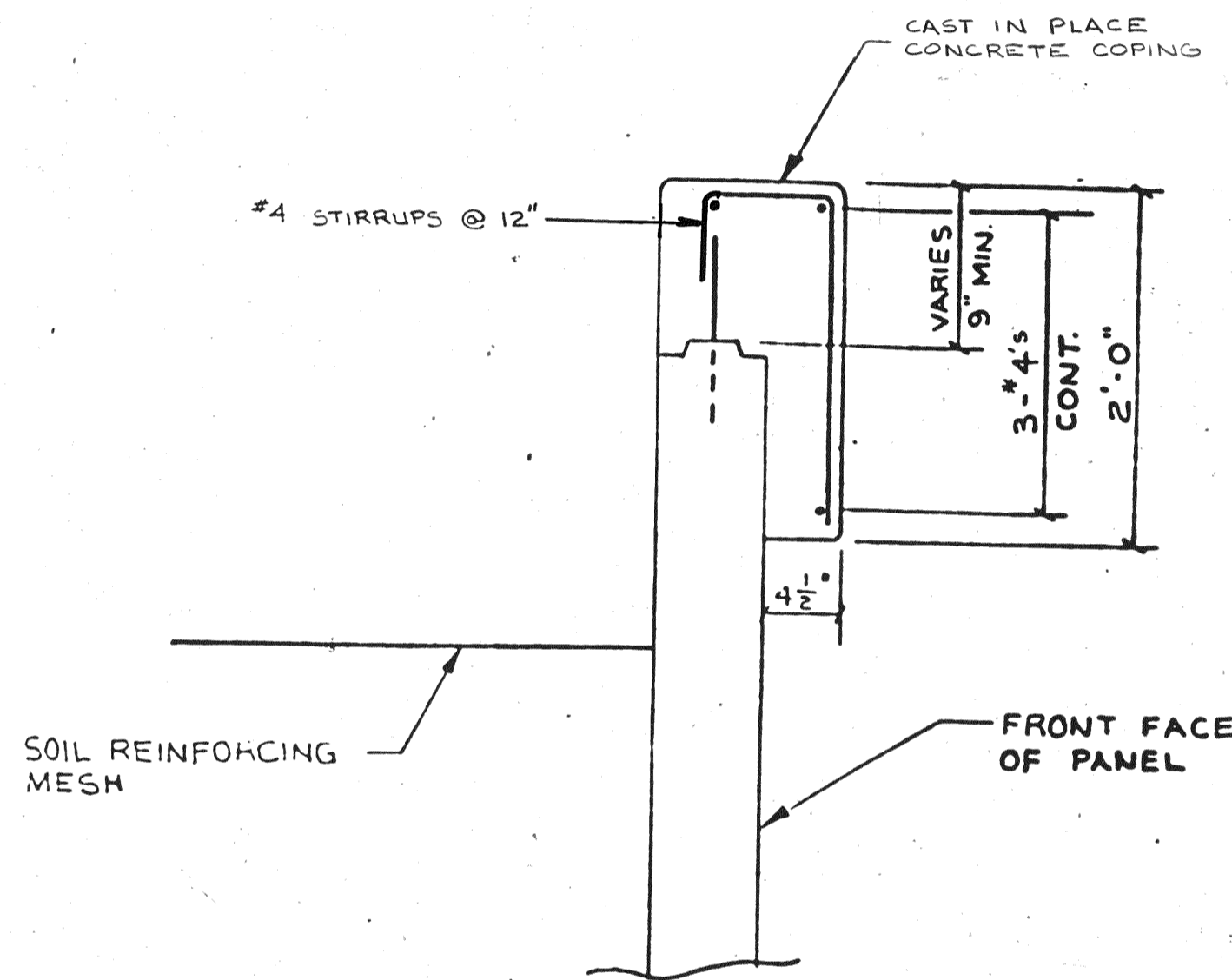


ESTIMATED BACKFILL QUANTITY

- 1. RW-1 = 3106.88 c.c.y.
- 2. RW-2 EAST = 1104.37 c.c.y.
- 3. RW-2 CENTER = 1038.46 c.c.y.
- 4. RW-2 WEST = 1387.51 c.c.y.
- 5. RW-3 EAST = 2413.41 c.c.y.
- 6. RW-3 CENTER = 1113.42 c.c.y.
- 7. RW-3 WEST = 1165.75 c.c.y.
- 8. RW-4 = 2114.24 c.c.y.



COPING DETAIL  
W/ BARRIER ON SIDE



COPING DETAIL

GENERAL NOTES:

1. RETAINED EARTH WALL PANELS SHALL BE PLAIN GRAY FINISH.
2. PANELS DESIGNATED "R" OR "L" INDICATE VERTICAL EDGE OF PANEL AS VIEWED FRONT FACE. REFER TO PANEL SCHEDULE "RE-2" FOR DIMENSIONS.
3. ALL PANELS ARE FOUR (4) CONNECTOR PANELS, UNLESS NOTED OTHERWISE.
4. WIRE MESH IS DESIGNATED BY A  $\square$  SYMBOL ON THE WALL ELEVATIONS. EXAMPLE:  $\square$  INDICATES 4 LONGITUDINAL WIRES 3/8"  $\phi$  WITH 3/8"  $\phi$  CROSSBARS AT 1'-0".
5. ALL MESH IS 4W11, UNLESS NOTED OTHERWISE.
6. ALL WALLS ARE SHOWN FRONT FACE. NOTE STATIONING.
7. TOP OF WALL SHALL BE EQUAL TO TOP OF COPING, UNLESS OTHERWISE NOTED.
8. FOR EXPLANATION OF PANEL CODING SEE DETAIL SHEET "RE-2".
9. FOR TYPICAL PANEL DIMENSIONS REFER TO SHEET "RE-2".
10. FOR SPECIAL PANEL DIMENSIONS REFER TO SHEET (NOT APPLICABLE IN BID DRAWINGS).
11. UNCODED PANELS ARE "A" PANELS.
12. ALL REINFORCING STEEL SHALL BE GRADE 60 EPOXY COATED.
13. COPING JOINTS SHALL BE PLACED EVERY 2 PANELS.
14. BASE ELEVATIONS ARE TOP OF LEVELING PAD.

CONSTRUCTION NOTES

1. No horizontal joint material is required between the leveling pad and the first row of panels.
2. Enough c-clamps must be supplied by contractor to secure all panels along one complete lift.
3. Each c-clamp remains in position until it must be removed to allow access for placing of the next facing panel.
4. When placing the specified select material, the the following procedure is to be performed:
  - A. No heavy equipment shall be within 3' of panel back.
  - B. The area 3' behind the panel is placed last.
5. Care should be taken to not allow any hard wheeled placing or compacting equipment to run directly on top of the reinforcing mesh until they have been covered with select material.
6. The 3' area immediately behind the facing panels shall be compacted by means of a hand operated vibrating tamper.
7. As the select material is placed, the outside embankment should be constructed consecutively. Always place the select material to the required elevation first, followed by the placing of the embankment material.
8. At the end of each day, slope the select material away from the facing panels to provide adequate drainage.
9. All steel shall be epoxy coated.

CONSTRUCTION SEQUENCE

1. Excavate the area required for the foundation of the "RETAINED EARTH" structure to the elevation indicated on the plans. Care should be taken to assure that the width of the excavation meets or exceeds the total overall length of the soil reinforcement mesh.
2. The soil shall be compacted with the aid of a smooth wheel vibratory roller.
3. Cast a 6" x 12" unreinforced concrete leveling pad under the wall panel center-line as shown on the plans. No dowels, inserts, or keyway joints are required.
4. Begin erecting the first lift of full and half panels. Care should be taken to exactly position all bottom panels since this provides the spacing requirements for the remainder of the wall panels. Insert the steel rod alignment pins in the holes provided on each inclined surface.
5. Adequately brace full facing panels from the outside face to the existing ground with 1/4" per 5' batter, c-clamp the half panels to the full panels.
6. Using the adhesive supplied, glue the filter fabric to the the inclined joints between the panels.
7. Place and compact the first layer of select material until it reaches the elevation of the first row of embedded inserts on the back surface of the panel. This material should be placed in 8" lifts and compacted to 95% standard proctor density.
8. Place soil reinforcing mesh and attach to the panel by using the connector provided.
9. Place and compact additional select backfill material, as directed in step 7, until the elevation reaches the top surface of the next row of facing panels.
10. Place the 3/4" x 2-3/4" x 34" preformed bearing pad material on the top horizontal surface of the facing panel.
11. Erect the next lift of facing panels. Temporarily position these panels to the adjacent row by using c-clamps. Adjust by using wood shims placed in the c-clamps. No further external bracing is required.
12. Glue the filter fabric to both the horizontal and inclined joints.
13. Place and compact the select backfill material as directed in step 7, until it reaches the next row of inserts.
14. Repeat steps 8 thru 13 until the wall has reached the required height.
15. Removal of surcharge fill shall be done prior to the wall construction. See special provisions.

CERTIFIED WITH RESPECT TO INTERNAL STABILITY OF RETAINED EARTH STRUCTURES ONLY

DES.	DRN.	CHK.	NO.	DATE	REVISION	BY

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RETAINED EARTH WALLS  
 CONSTRUCTION NOTES & SEQUENCE  
 CALIFORNIA AVE. INTERCHANGE  
 DEPT. OF TRANSPORTATION  
 UTAH

PROJ.  
 I-15-215-9(82)19  
 Drawg. No. R146

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