

**DESIGN NOTES:**

1. CONCRETE - 6,000 PSI, 28 DAYS
2. REINFORCING STEEL CONFORMS TO LATEST ASTM A615
3. H-20 DESIGN LOADING PER AASHTO HS-20-44

**STORAGE VOLUME CALCULATIONS**

RETAIN IT INFILTRATION SYSTEM (4' ID HEIGHT STORAGE VOLUME)  
 USE: "1" - (60) X 230.94 CUFT PER UNIT = 13,856.4 CUFT  
 "2", "2B", "2C", "4", "5", "5B" - (32) X 223.39 CUFT PER UNIT = 7,148.48 CUFT  
 "3", "3A", "3B" - (4) X 215.83 CUFT PER UNIT = 863.32 CUFT

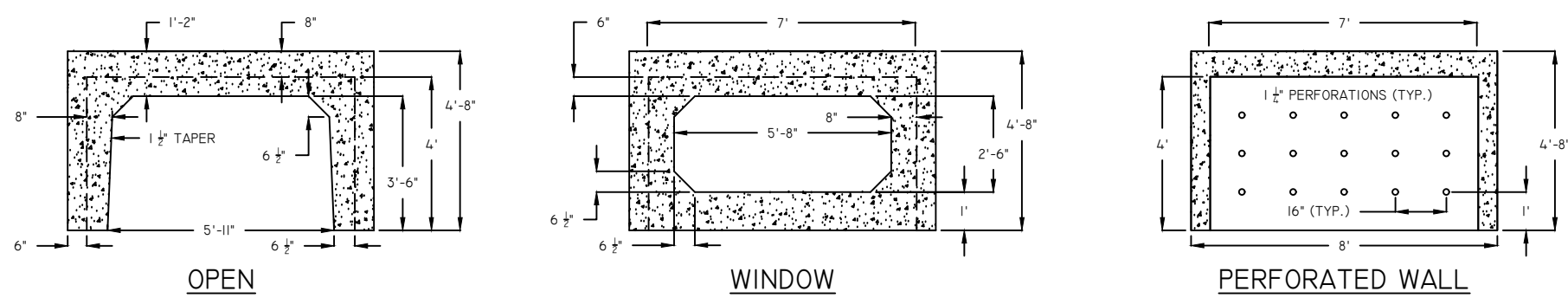
TOTAL MODULES = 96      TOTAL MODULE STORAGE = 21,868.2 CUFT

**AVAILABLE STONE STORAGE**

BASE: 24" THICK  
 (96 x 64' x 2') x 30% = 3,686.4 CUFT  
 PERIMETER: 12" THICK  
 (324' x 6.67' x 1') x 30% = 648.32 CUFT

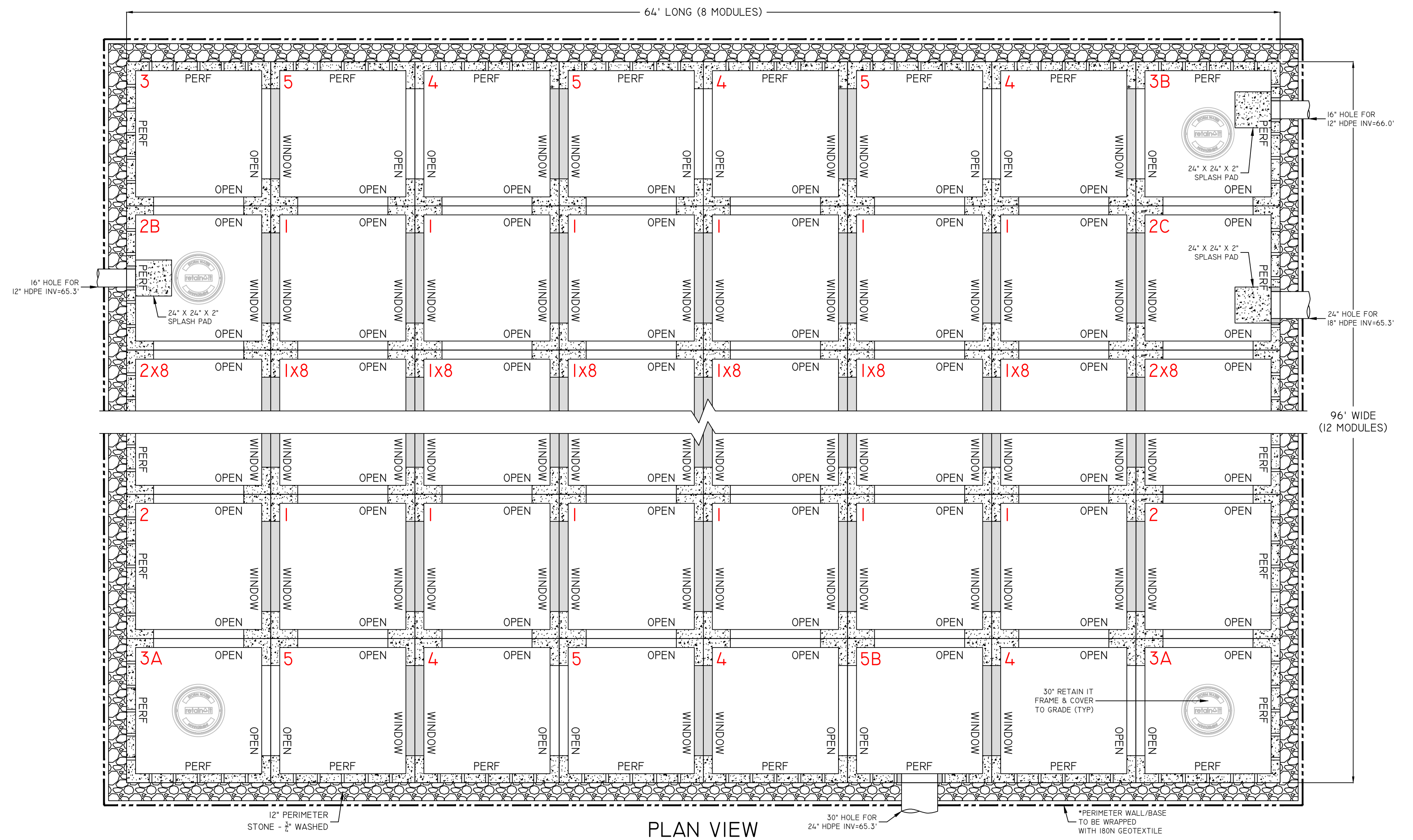
TOTAL STONE STORAGE (@ 30%) = 4,334.72 CUFT

**TOTAL SYSTEM STORAGE = 26,202.92 CUFT**

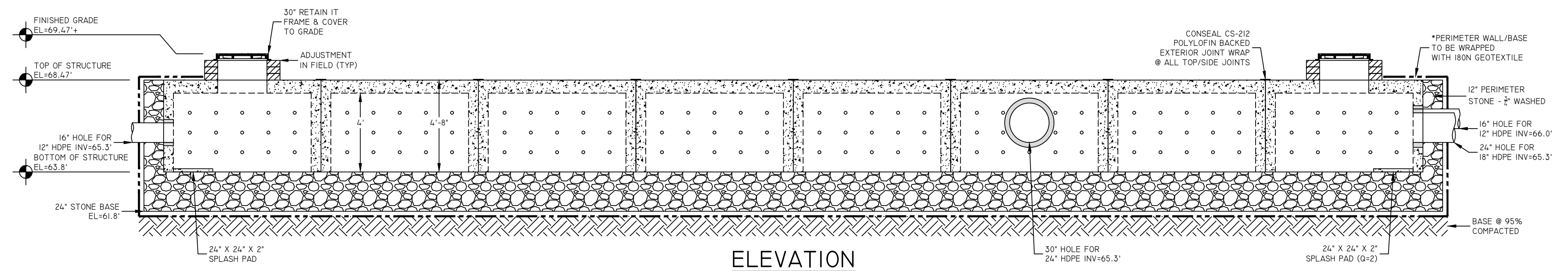


TYPICAL 4' MODULE DIMENSIONS

**SCHEMATIC LAYOUT**



PLAN VIEW



ELEVATION

- \*GEOTEXTILE LAYERS**
- 180N GEOTEXTILE (SYSTEM WALLS & BASE PLUS SEDIMENTATION ROW WALLS)

MIRAFI MANUFACTURED BY TENCATE GEOSYNTHETICS OR APPROVED EQUAL  
 365 SOUTH HOLLAND DRIVE  
 PENDERGRASS, GA 30567

ANY MODIFICATIONS TO THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF ARROW CONCRETE PRODUCTS SHALL RENDER IT INVALID AND UNUSABLE.

APPROVAL:  
 SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

4	SYSTEM CHANGED TO 8X12	6-1-20
3	ADDED 12 MODULES	2-5-20
2	MODULE SIZE CHANGE	1-14-20
1	SUBMITTAL OF REVIEW	12-31-19
No.	Revision/Issue	Date

DWG #	19-49444	Sheet	1 OF 1
Date	12/31/19		
Scale	N.T.S.		