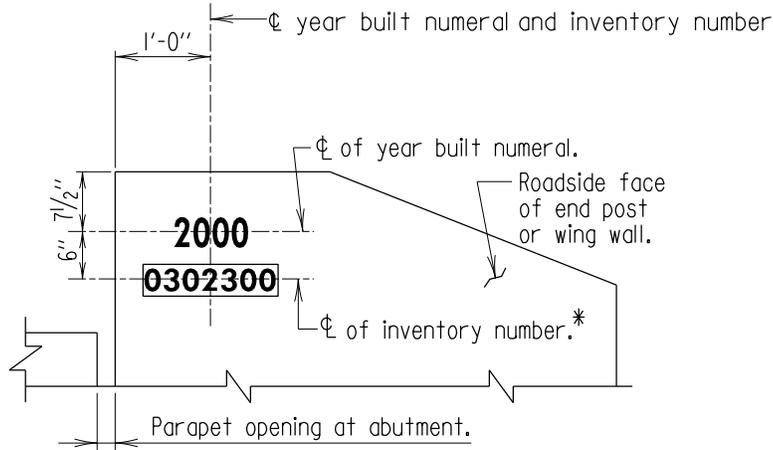


Chapter 09

**STRUCTURE
INVENTORY
(SI)**

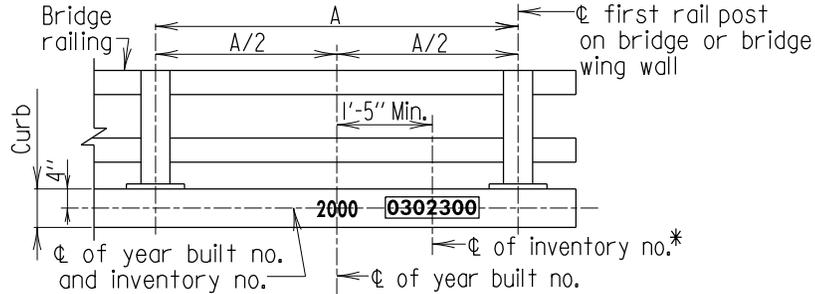
Note:

If end post has a form liner finish, place year built and structure inventory numbers in curb area as shown for bridges with railing and no parapets. ϕ of year built to be located 1'-0" from parapet opening at abutment.

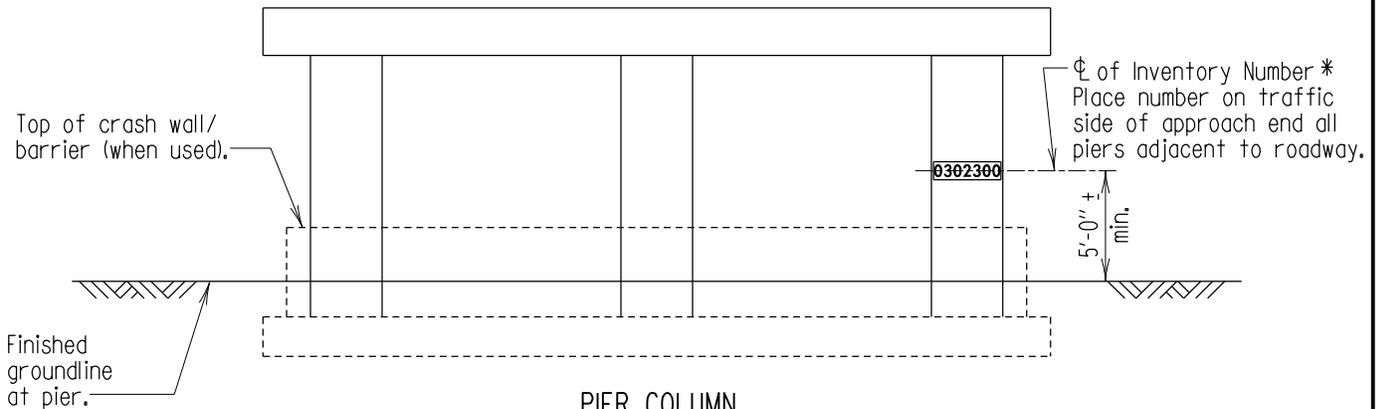


BRIDGES WITH PARAPET

Location: Dual Bridges-Each Approach End (Outside Shoulder).
 Single Bridge - Approach End - North or East corner.
 Where bridge has a concrete parapet and no definitive end post, place year built marking and structure inventory number on face of parapet as close to center line of bearing at abutment as practical.



BRIDGES WITH RAILING AND NO PARAPETS



**PIER COLUMN
 ONLY ON ROAD OVER ROAD BRIDGES**

* Black numbers 3" high on a painted white background, (5" x 17").

Notes:

1. For existing structures, where a year built is shown on the structure and structure is to be rehabilitated, the marking should read 1942-2000 (old year first - new year).
2. For existing structures with no year built contact the Office of Structures for old year.
3. For Year Built Numerals refer to Detail No. SI-201.

APPROVAL
<i>L.S. Friedman</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 10/17/2013
VERSION
1.0

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
LOCATION OF YEAR BUILT MARKING AND STRUCTURE INVENTORY NUMBER ON BRIDGES
DETAIL NO. SI-101
SHEET <u>1</u> OF <u>1</u>

STRUCTURE INVENTORY

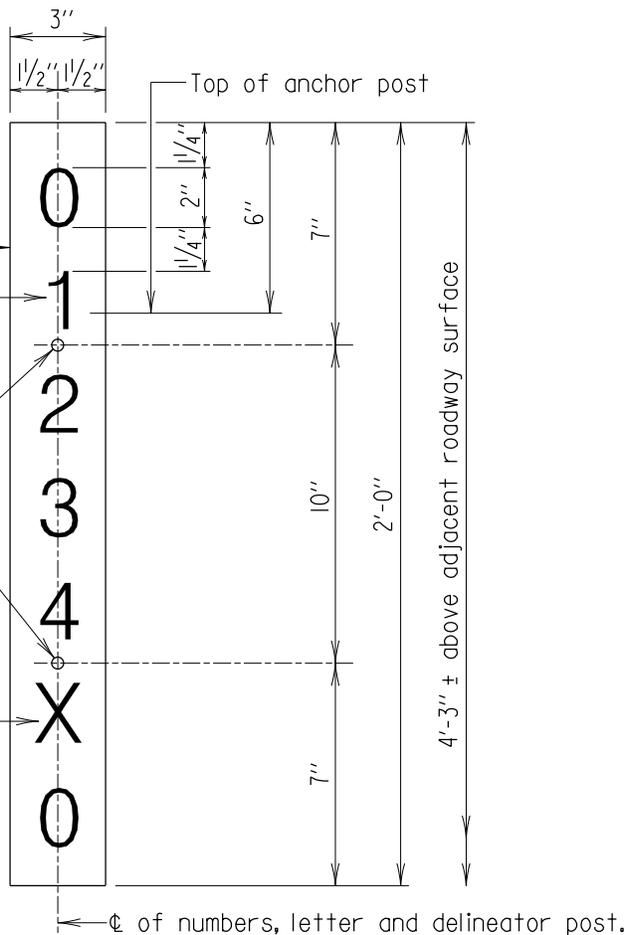
Aluminum sign shall be 3" wide by 2'-0" long by 1/16" thick. Letters shall be 2" green letters with 1/4" spacing between letters on white reflective background.

Small structure number

Drill 2 - 3/8" dia. holes spaced as shown for 5/16" dia. stainless steel nuts, bolts and lock washers. Burr threads after installation.

This position may be an X (culvert), R (retaining wall) or N (noise wall)

Note:
Delineator post shall be standard 6' galvanized post.



SMALL STRUCTURE SIGN

Scale: None

Placement Notes:

1. The small structure sign shall be placed behind traffic barriers where applicable, (delineator post to be driven within traffic barrier w-beam post). The sign shall be placed at the approach ends of the structure on the right side of the road, at roadway level.
2. Divided highways shall have only one sign placed at each approach end.
3. If traffic barriers are not present, place small structure sign as close to end of structure as possible but sign must be visible from the approach roadway.
4. For noise walls and retaining walls place one small structure sign at each end.
5. For retaining walls that are not visible from the approach roadway, place small structure sign as close to end of structure as possible but sign must be visible from approach roadway. For retaining walls that are visible from the approach roadway, refer to SI-104.
6. Always locate small structure sign so that it will be in the safest position possible relative to highway and pedestrian traffic.

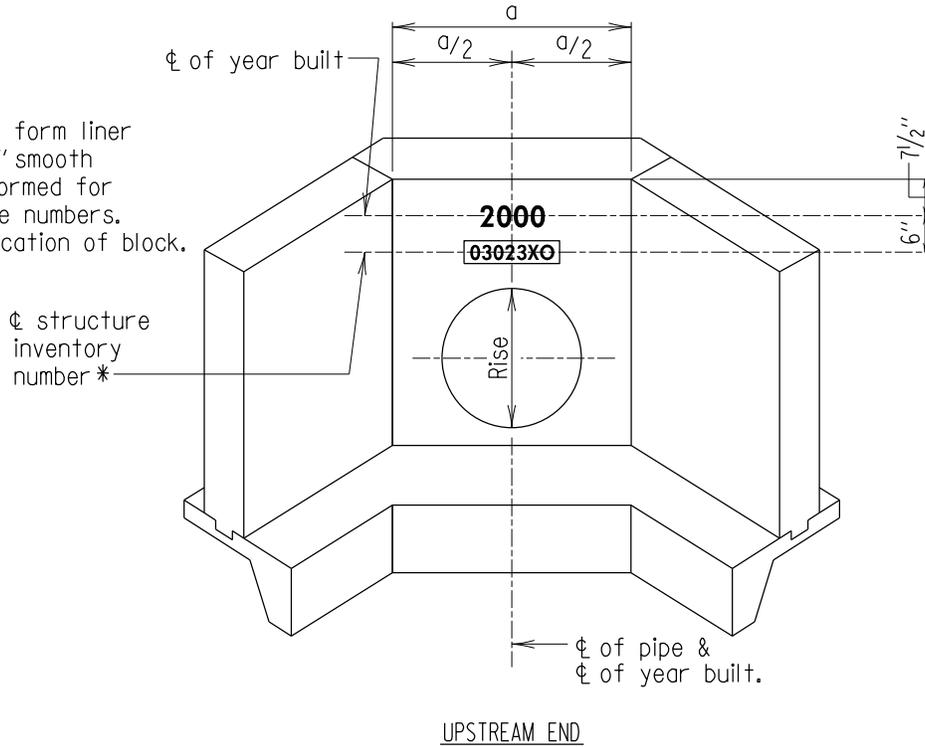
APPROVAL
<i>Ben C. Dwyer</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 07/27/2018
VERSION
1.01

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
SMALL STRUCTURE SIGN AND PLACEMENT DETAILS
DETAIL NO. SI-102
SHEET <u>1</u> OF <u>1</u>

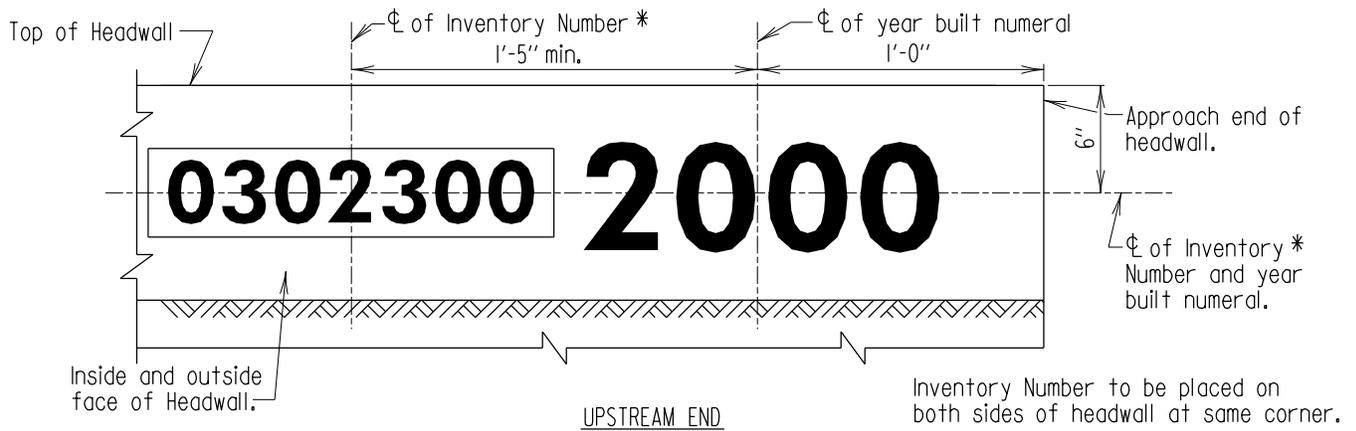
STRUCTURE INVENTORY

Note:

If headwall has a form liner finish, a 14" x 18" smooth block shall be formed for placement of the numbers. See Plans for location of block.



HEADWALLS FOR PIPES AND/OR PIPE
ARCHES WITH RISE 3'-0" OR GREATER



BOX CULVERTS

* Black numbers 3" high on a painted white background, (5" x 17").

Notes:

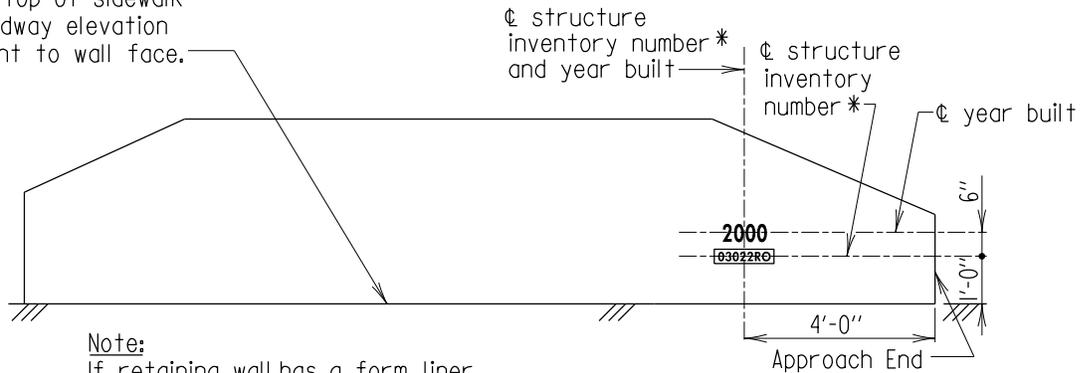
1. For existing structures, where a year built is shown on the structure and structure is to be rehabilitated, the marking should read 1942-2000 (old year first - new year).
2. For existing structures with no year built contact Office of Structures for old year.
3. For Year Built Numerals refer to Detail No. SI-201.

APPROVAL
<i>Ben C. ...</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 11/15/2019
VERSION
1.01

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
LOCATION OF YEAR BUILT MARKING AND STRUCTURE INVENTORY NUMBER ON HEADWALLS FOR PIPES AND BOX CULVERTS	
DETAIL NO. SI-103	SHEET <u>1</u> OF <u>1</u>

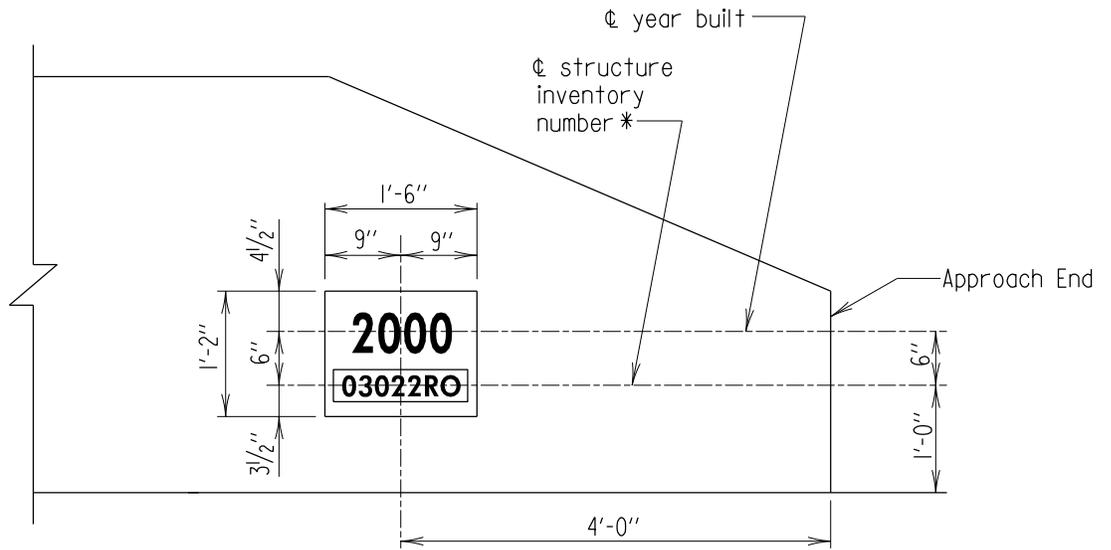
STRUCTURE INVENTORY

Finished groundline, top of sidewalk and/or finished roadway elevation whichever is adjacent to wall face.



Note:
If retaining wall has a form liner finish, a 14" x 18" smooth block shall be formed for placement of the numbers. See Detail A below for dimensions. See Plans for location of block.

RETAINING WALLS



DETAIL A

Notes:

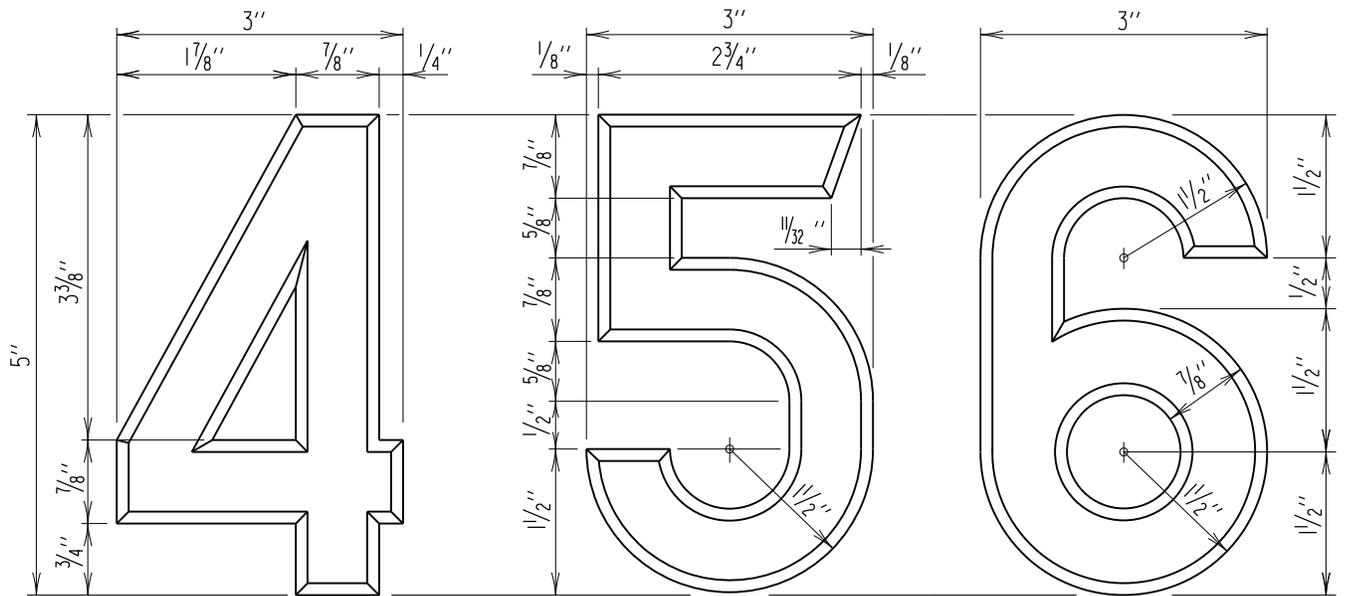
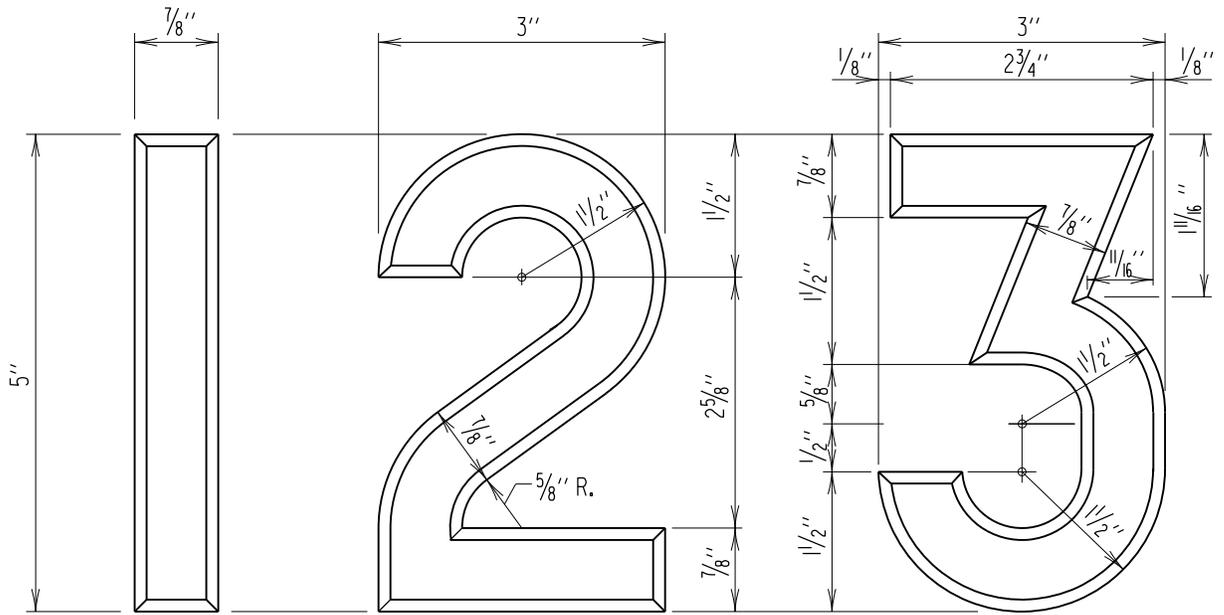
1. For existing structures, where a year built is shown on the structure and structure is to be rehabilitated, the marking should read 1942-2000 (old year first - new year).
2. For existing structures with no year built contact the Office of Structures for old year.
3. For Year Built Numerals refer to Detail No. SI-201.
4. For retaining walls that are not visible from the approach roadway, refer to Detail No. SI-102.

* Black numbers 3" high on a painted white background, (5" x 17").

APPROVAL
<i>E.S. Fudman</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 10/17/2013
VERSION
1.0

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES
LOCATION OF YEAR BUILT MARKING AND STRUCTURE INVENTORY NUMBER ON RETAINING WALLS
DETAIL NO. SI-104
SHEET <u>1</u> OF <u>1</u>

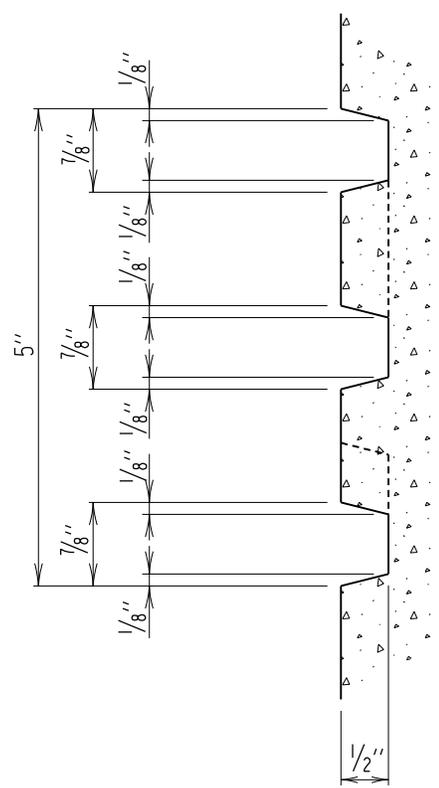
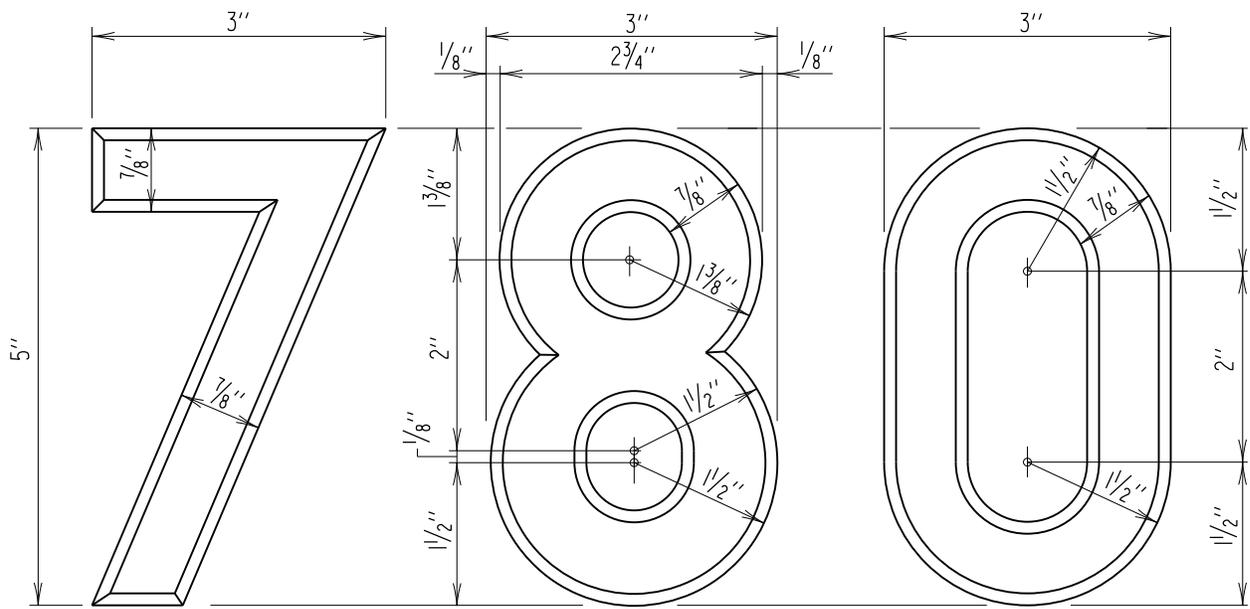
STRUCTURE INVENTORY



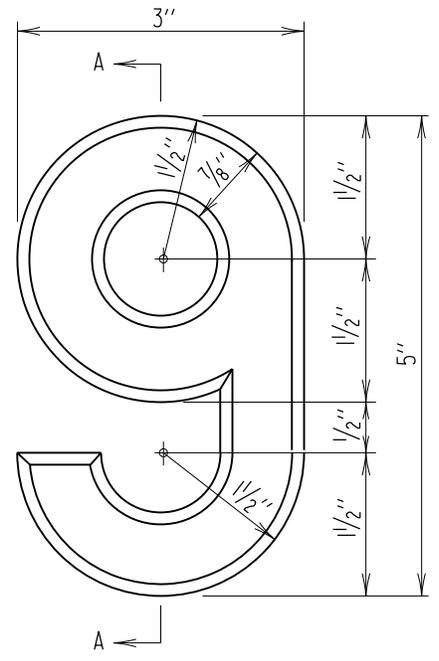
Note:
 Year built numerals to be indented into concrete (unpainted) - as indicated on Detail Nos. SI-101, SI-103 and SI-104.

APPROVAL
<i>R. C. [Signature]</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 11/15/2019
VERSION
1.01

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
NUMERALS FOR YEAR BUILT MARKING ON STRUCTURES	
DETAIL NO. SI-201	SHEET <u>1</u> OF <u>2</u>



SECTION A-A



APPROVAL
<i>R. C. [Signature]</i> DIRECTOR OFFICE OF STRUCTURES
DATE: 11/15/2019
VERSION
1.01

STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF STRUCTURES	
NUMERALS FOR YEAR BUILT MARKING ON STRUCTURES	
DETAIL NO. SI-201	SHEET <u>2</u> OF <u>2</u>

STRUCTURE INVENTORY