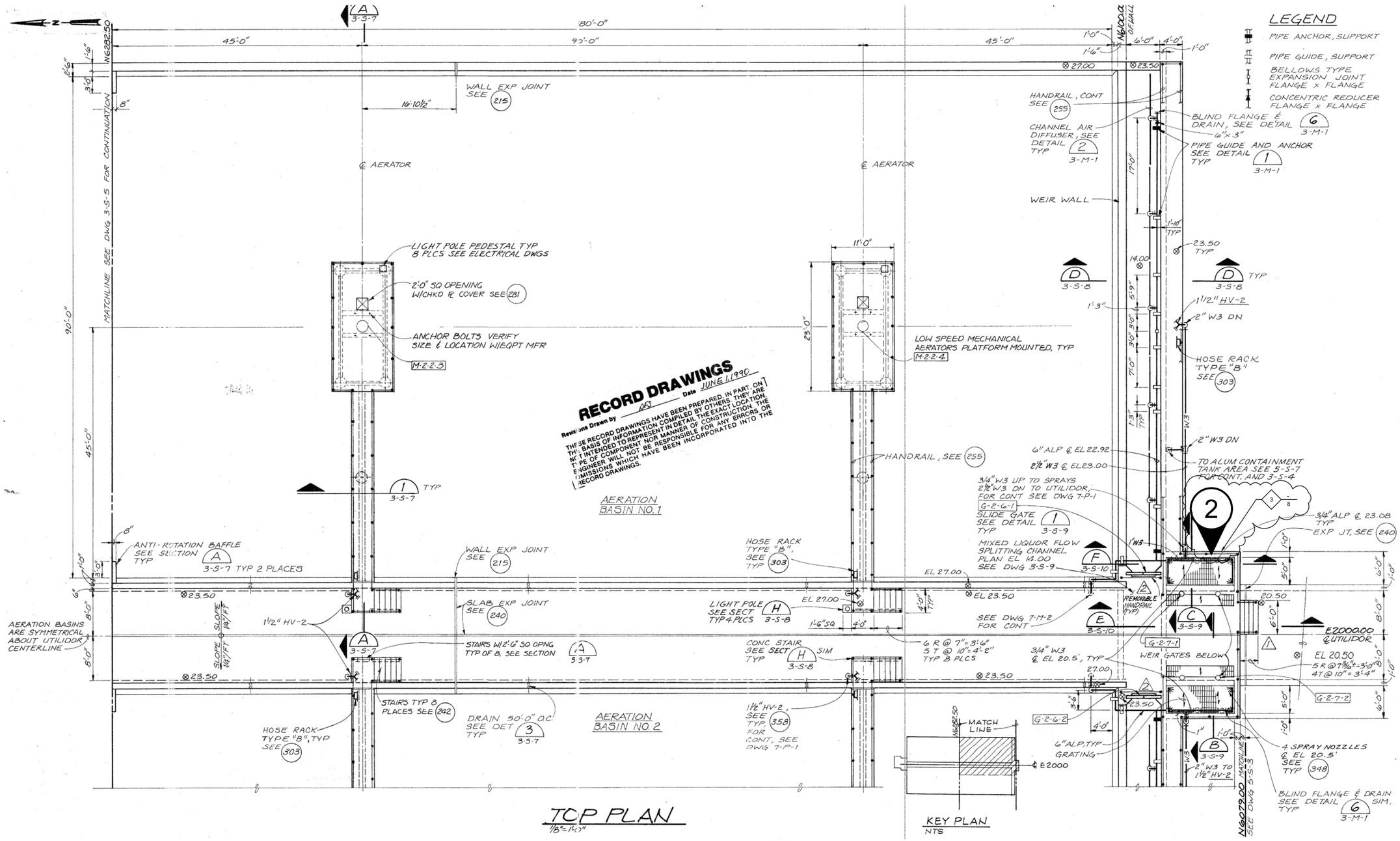

NO.	DATE	REVISION	BY	APVD
DSGN	D LANGE	DR S PASTEUR	CHK D GARCIA	APVD D LANGE

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RICHARD A. HEYMAN
ENVIRONMENTAL PROTECTION FACILITY
AND FLEMING KEY BRIDGE

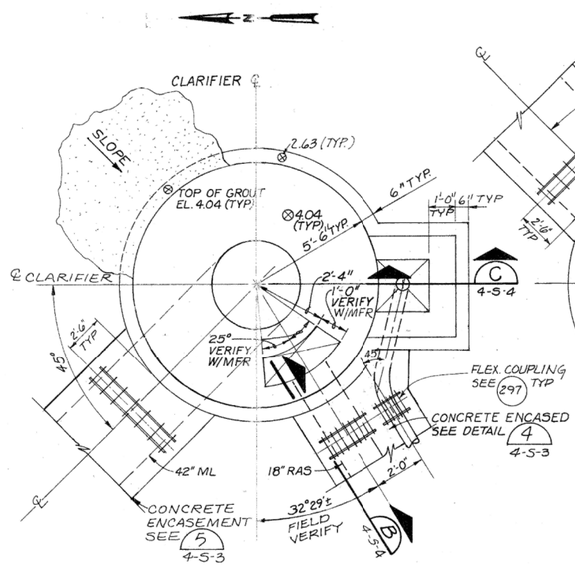
CITY OF KEY WEST
KEY WEST, FLORIDA

STRUCTURAL
AERATION BASINS
STRUCTURAL/MECHANICAL
TOP PLAN

BID DOCUMENTS

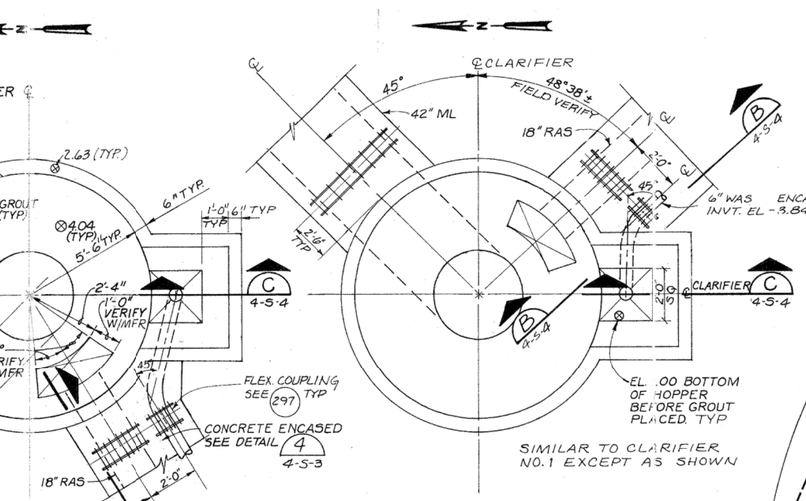
VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	AUGUST 2015
PROJ	486025
DWG	R-3
SHEET	7 of 37



CENTER PIER PLAN – CLARIFIER NO.1

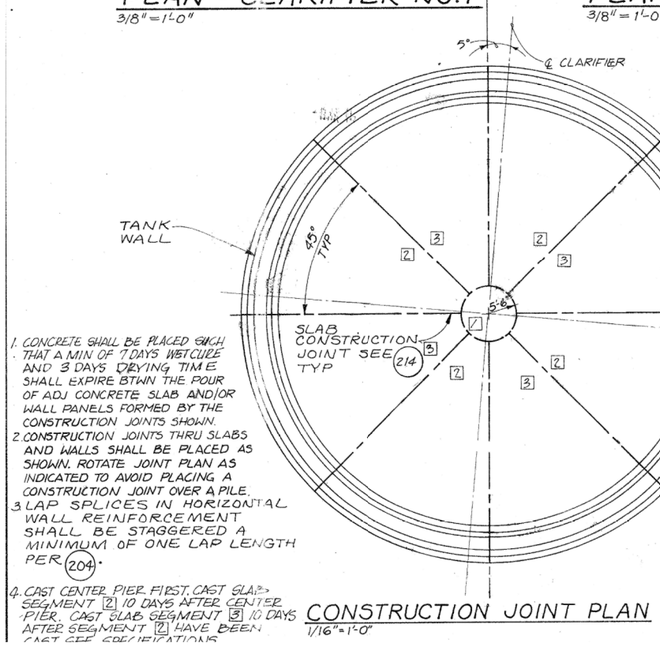
3/8" = 1'-0"



SIMILAR TO CLARIFIER NO.1 EXCEPT AS SHOWN

CENTER PIER PLAN – CLARIFIER NO.2

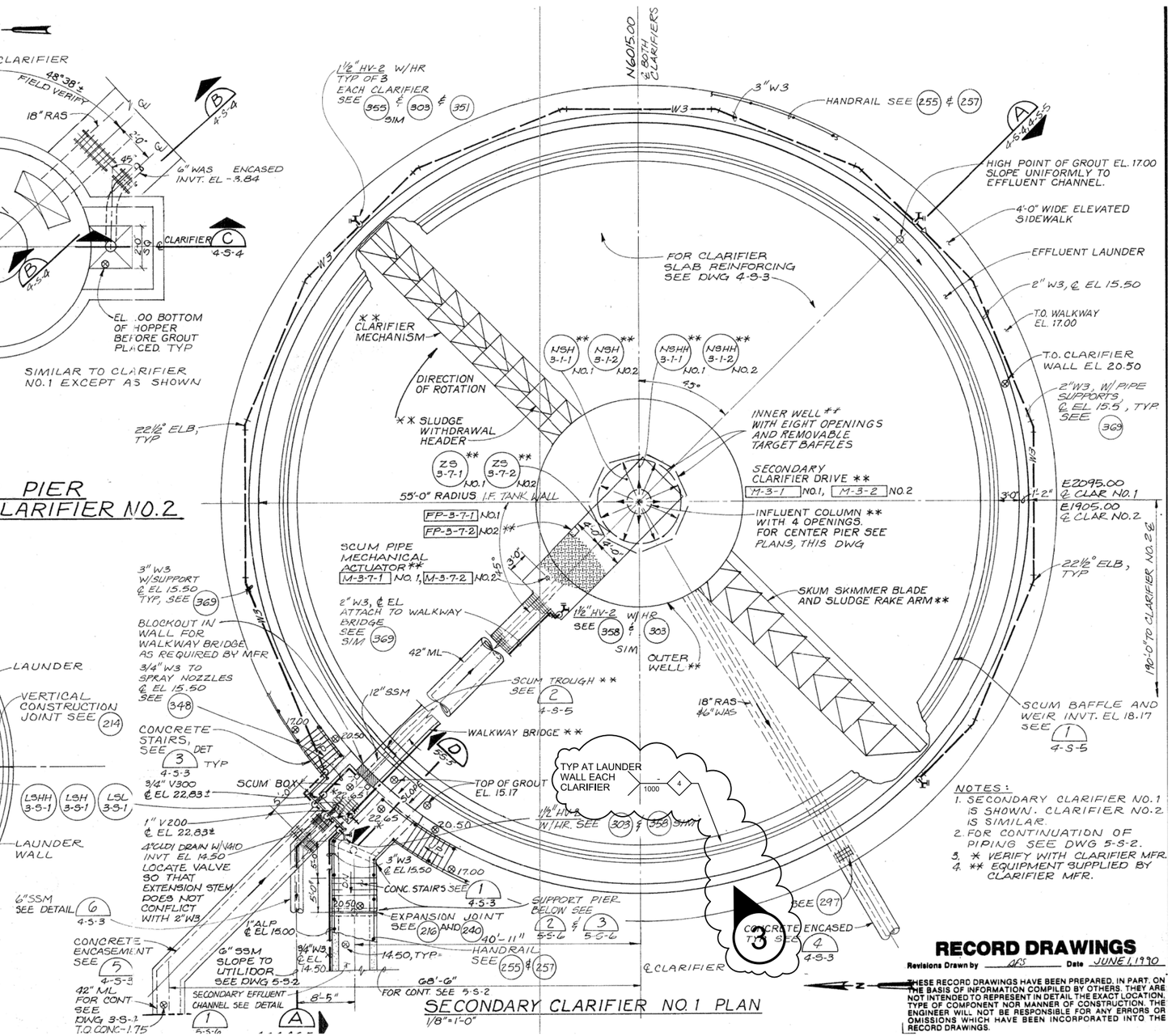
3/8" = 1'-0"



1. CONCRETE SHALL BE PLACED SUCH THAT A MIN OF 7 DAYS WET CURE AND 3 DAYS DRYING TIME SHALL EXPIRE BTWN THE POUR OF ADJ CONCRETE SLAB AND/OR WALL PANELS FORMED BY THE CONSTRUCTION JOINTS SHOWN.
2. CONSTRUCTION JOINTS THRU SLABS AND WALLS SHALL BE PLACED AS SHOWN. ROTATE JOINT PLAN AS INDICATED TO AVOID PLACING A CONSTRUCTION JOINT OVER A PILE.
3. LAP SPLICES IN HORIZONTAL WALL REINFORCEMENT SHALL BE STAGGERED A MINIMUM OF ONE LAP LENGTH PER 204.
4. CAST CENTER PIER FIRST. CAST SLAB SEGMENT 2 10 DAYS AFTER CENTER PIER. CAST SLAB SEGMENT 3 10 DAYS AFTER SEGMENT 2 HAVE BEEN CAST. SEE SPECIFICATIONS.

CONSTRUCTION JOINT PLAN

1/16" = 1'-0"



NOTES:
1. SECONDARY CLARIFIER NO.1 IS SHOWN. CLARIFIER NO.2 IS SIMILAR.
2. FOR CONTINUATION OF PIPING SEE DWG 5-S-2.
3. * VERIFY WITH CLARIFIER MFR.
4. ** EQUIPMENT SUPPLIED BY CLARIFIER MFR.

SECONDARY CLARIFIER NO.1 PLAN

1/8" = 1'-0"

RECORD DRAWINGS

Revisions Drawn by ACS Date JUNE 1, 1990

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		DR	S PASTEUR	CHK	D GARCIA
					D LANGE

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ENVIRONMENTAL PROTECTION FACILITY AND FLEMING KEY BRIDGE

CITY OF KEY WEST
KEY WEST, FLORIDA

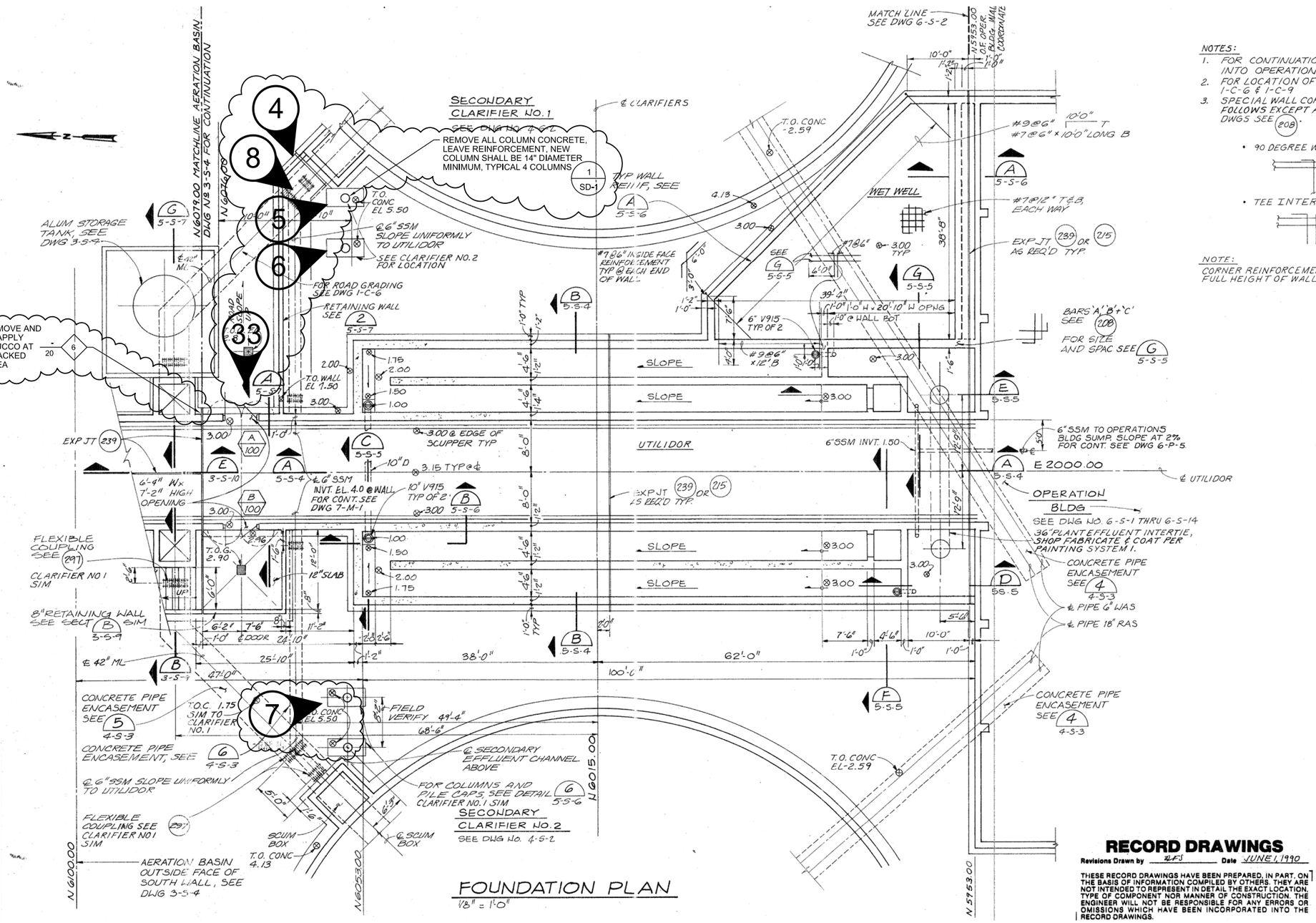
STRUCTURAL

SECONDARY CLARIFIERS STRUCTURAL/MECHANICAL PLAN

BID DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

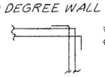
DATE	AUGUST 2015
PROJ	486025
DWG	R-4
SHEET	8 of 37



NOTES:

1. FOR CONTINUATION OF 18" RAS AND 6" WAS PIPES INTO OPERATIONS BUILDING SEE DWG G-M-1.
2. FOR LOCATION OF CATCH BASINS SEE DWG 1-C-6 & 1-C-9.
3. SPECIAL WALL CORNER REINFORCING SHALL BE AS FOLLOWS EXCEPT AS OTHERWISE SHOWN ON THE DWGS SEE 208.

- 90 DEGREE WALL CORNERS:



- TEE INTERSECTIONS:

NOTE:
CORNER REINFORCEMENT SHALL BE PLACED FOR FULL HEIGHT OF WALL

RECORD DRAWINGS
Revisions Drawn by RFS Date JUNE 1, 1990

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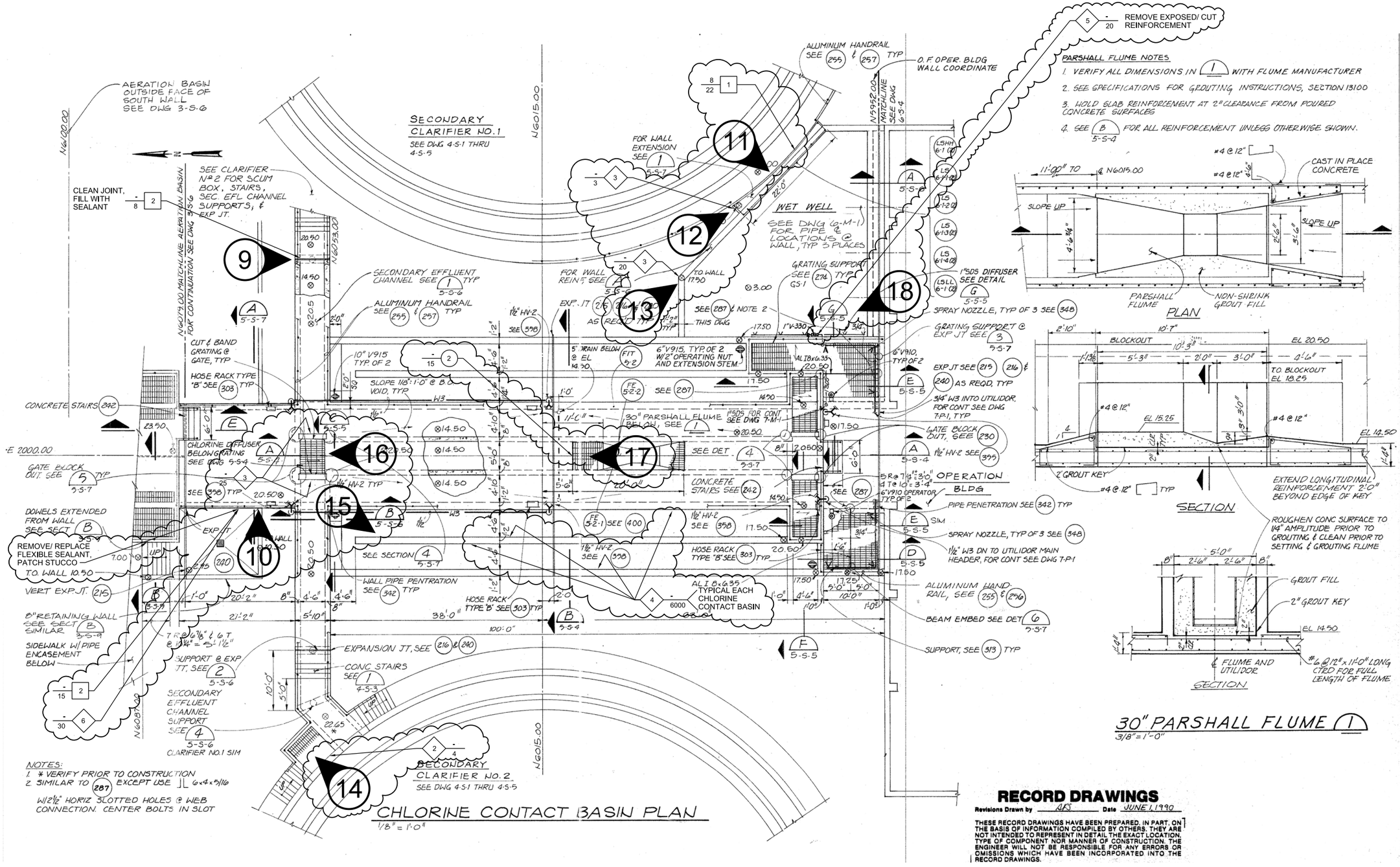
STRUCTURAL

CHLORINE CONTACT BASINS STRUCTURAL/MECHANICAL FOUNDATION PLAN

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	AUGUST 2015
PROJ	486025
DWG	R-5
SHEET	9 of 37

BID DOCUMENTS



RECORD DRAWINGS

Revisions Drawn by AJS Date JUNE 1,1990

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CITY OF KEY WEST
KEY WEST, FLORIDA

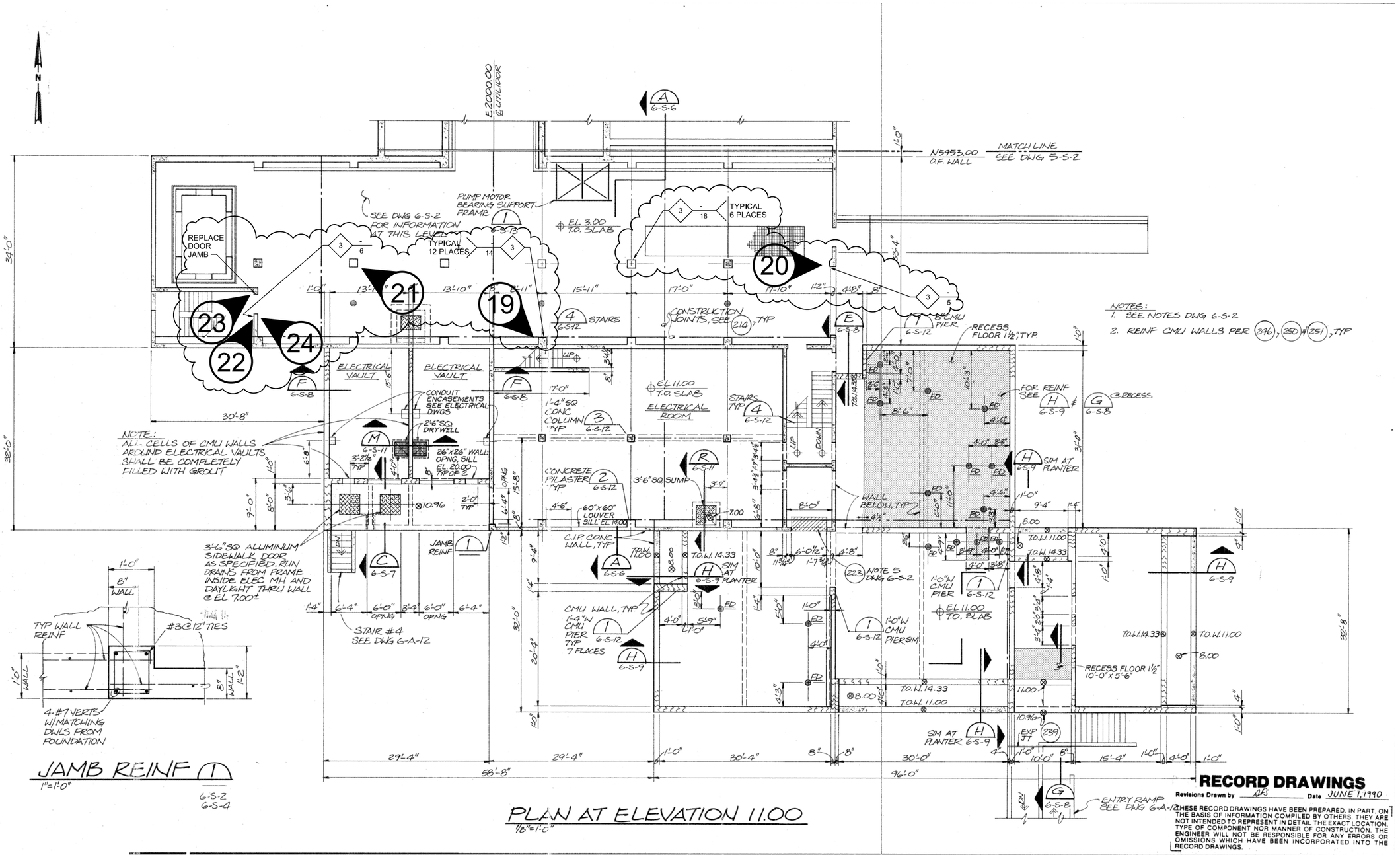
STRUCTURAL

CHLORINE CONTACT BASINS STRUCTURAL/MECHANICAL PLAN AT ELEVATION 23.5

BID DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	AUGUST 2015
PROJ	486025
DWG	R-6
SHEET	10 of 37



NOTES:
1. SEE NOTES DWG 6-S-2
2. REINF CMU WALLS PER (246), (250) & (251), TYP

JAMB REINF (1)
1"=1'-0"
6-S-2
6-S-4

PLAN AT ELEVATION 11.00
1/8"=1'-0"

RECORD DRAWINGS
Revisions Drawn by AKS Date JUNE 1, 1990
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AND FLEMING KEY BRIDGE

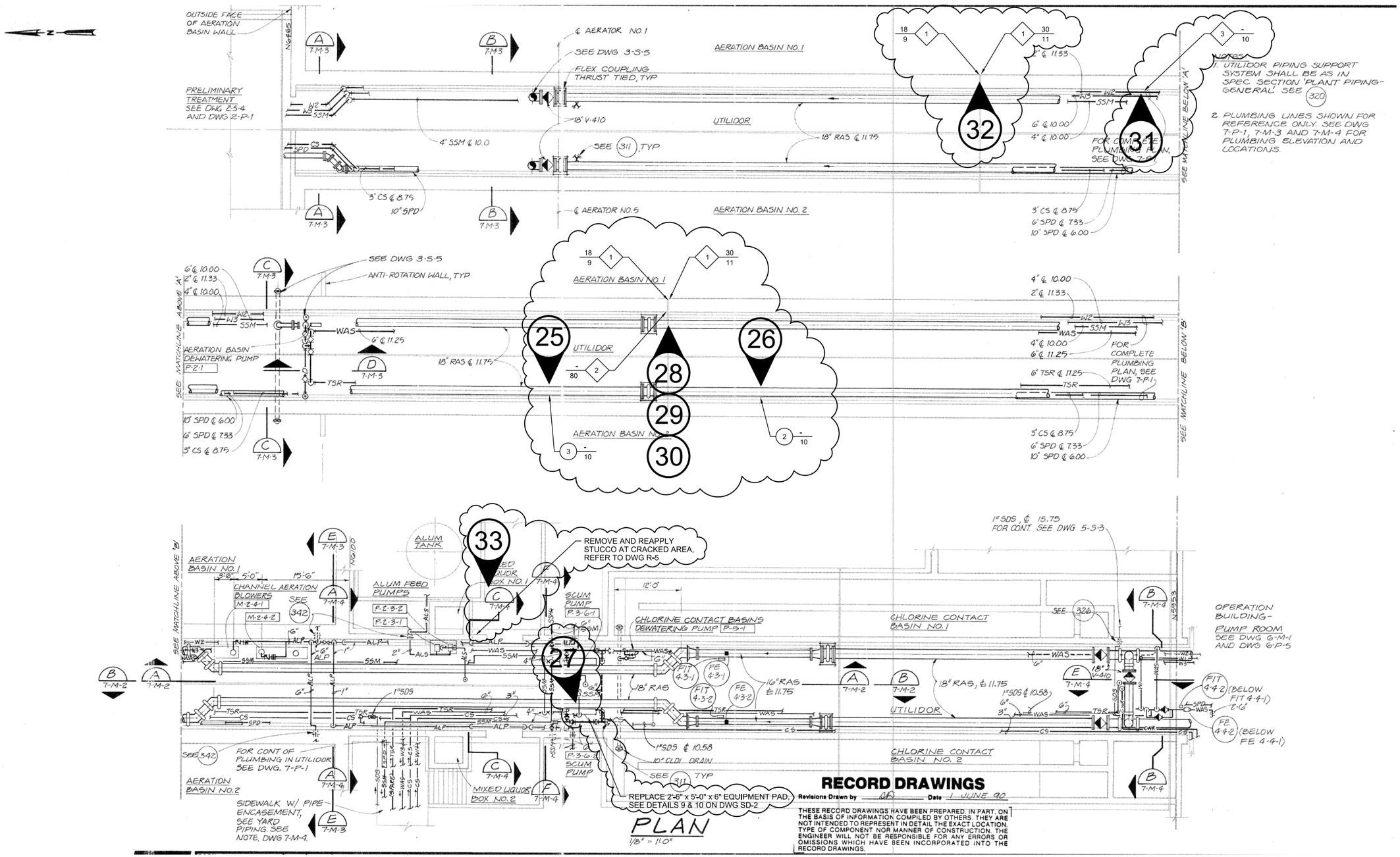
CITY OF KEY WEST
KEY WEST, FLORIDA

STRUCTURAL
OPERATIONS BUILDING
STRUCTURAL
PLAN AT ELEVATION 11.00

BID DOCUMENTS

VERIFY SCALE
BAR IS ONE INCH ON ORIGINAL DRAWING.
0 1"

DATE	AUGUST 2015
PROJ	486025
DWG	R-7
SHEET	11 of 37



NOTES:

1. UTILIDOR PIPING SUPPORT SYSTEM SHALL BE AS IN SPEC SECTION 'PLANT PIPING-GENERAL'. SEE (320)
2. PLUMBING LINES SHOWN FOR REFERENCE ONLY. SEE DWG 7-P-1, 7-M-3 AND 7-M-4 FOR PLUMBING ELEVATION AND LOCATIONS.

RECORD DRAWINGS

Revisions Drawn by AR Date 1 JUNE 90

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AND FLEMING KEY BRIDGE

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MECHANICAL
UTILIDOR MECHANICAL PLAN

VERIFY SCALE
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0 1"

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DWG	R-8
SHEET	12 of 37

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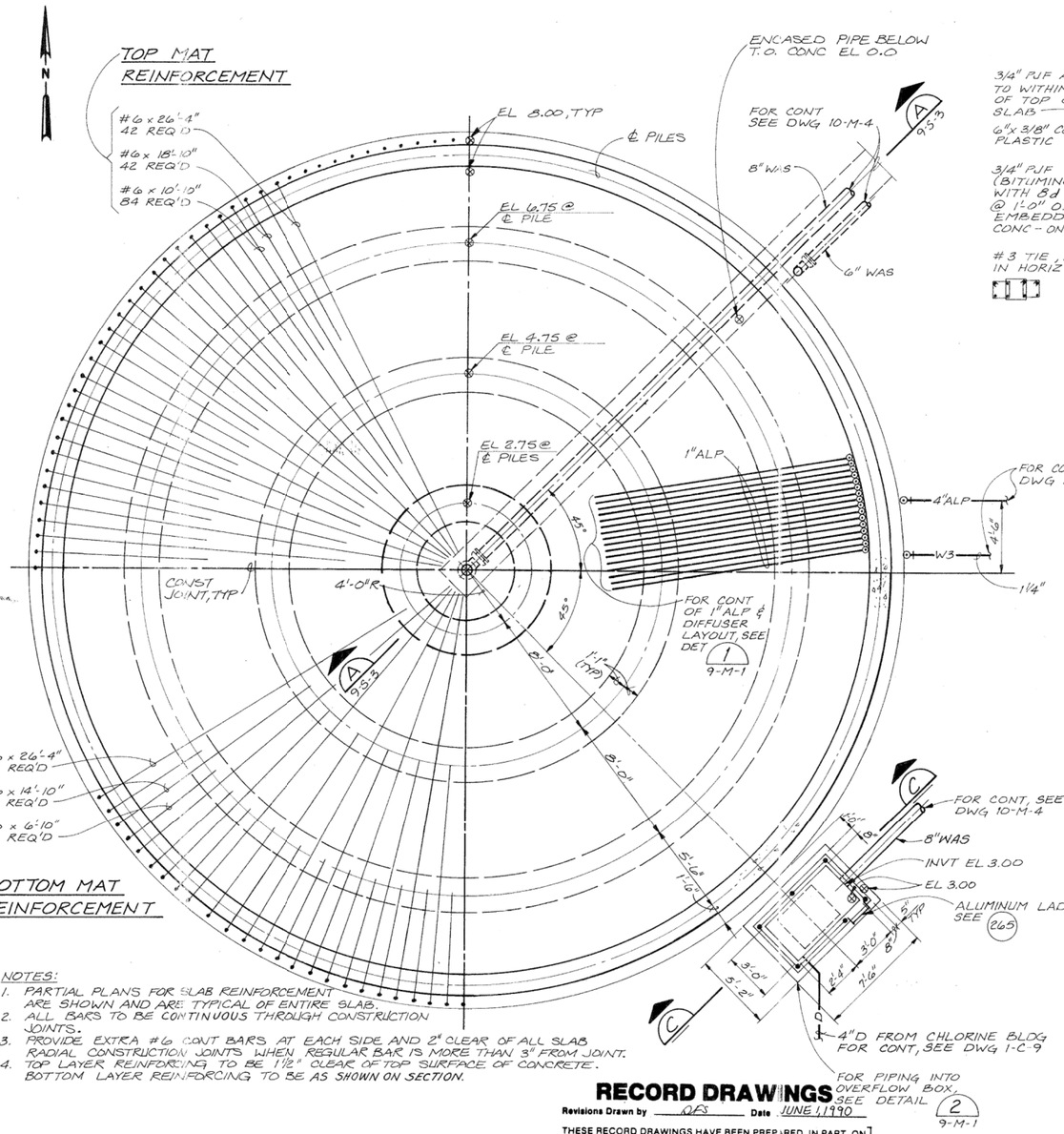

NOTES:
1. PARTIAL PLANS FOR SLAB REINFORCEMENT ARE SHOWN AND ARE TYPICAL OF ENTIRE SLAB.
2. ALL BARS TO BE CONTINUOUS THROUGH CONSTRUCTION JOINTS.
3. PROVIDE EXTRA #6 CONT BARS AT EACH SIDE AND 2" CLEAR OF ALL SLAB RADIAL CONSTRUCTION JOINTS WHEN REGULAR BAR IS MORE THAN 3" FROM JOINT.
4. TOP LAYER REINFORCING TO BE 1 1/2" CLEAR OF TOP SURFACE OF CONCRETE. BOTTOM LAYER REINFORCING TO BE AS SHOWN ON SECTION.

FOUNDATION PLAN
1/4" = 1'-0"

RECORD DRAWINGS
Revisions Drawn by QFS Date JUNE 1, 1990

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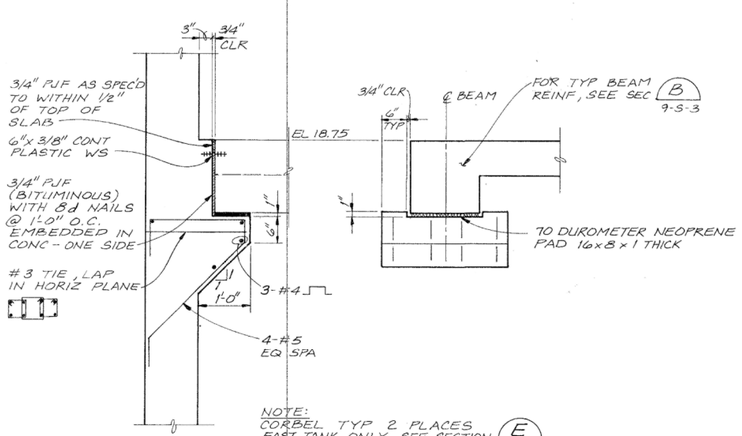
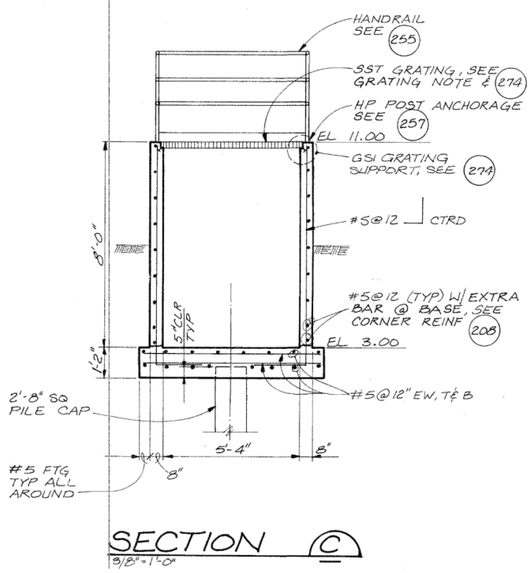


CORBEL DETAIL 1
3/4" = 1'-0"



SECTION C
3/8" = 1'-0"

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CITY OF KEY WEST
KEY WEST, FLORIDA

STRUCTURAL
SLUDGE STORAGE
STRUCTURAL/MECHANICAL
FOUNDATION PLAN AND SECTION

NO.	DATE	DSGN	DR	REVISION	CHK	BY	APVD
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