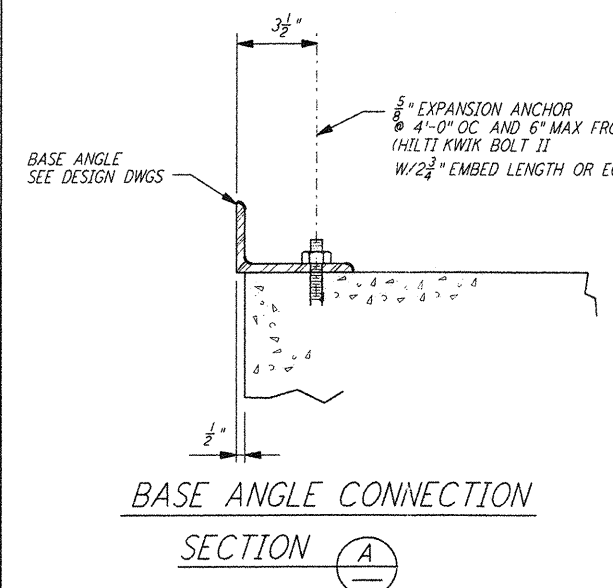


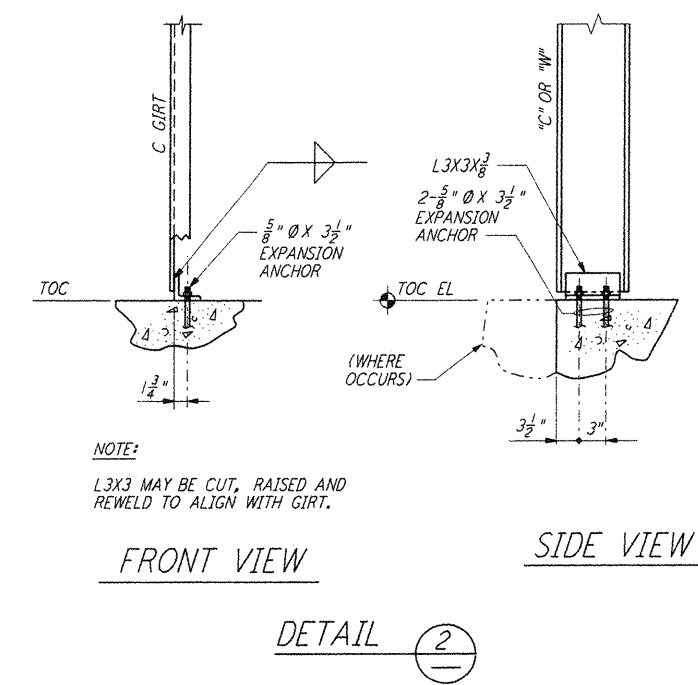
TYPE 1 TYPE 2
 ANCHOR BOLTS DETAILS (1)

- NOTES:**
- BOLT MATERIAL SHALL BE IN ACCORDANCE WITH ASTM A307, UNLESS OTHERWISE SPECIFIED.
 - USE UNIFIED NATIONAL COARSE THREAD, CLASS 2 FIT.
 - USE HEAVY DOUBLE CHAMFER HEX NUTS UP TO 1", AND HEAVY FLAT FACE HEX NUTS LARGER THAN 1".
 - PROVIDE 1 HEX NUT FOR EACH BOLT, UNLESS OTHERWISE NOTED ON DESIGN DRAWINGS.
 - PLATE WASHER MATERIAL SHALL BE ASTM A36, UNLESS OTHERWISE NOTED.
 - FABRICATOR SHALL BUNDLE AND TAG BOLTS BY INDIVIDUAL FOUNDATIONS OR MEMBERS. TAGS SHALL BE WEATHER RESISTANT, WITH MARKS AT LEAST 3/4" HIGH, AND FIRMLY WIRED TO BUNDLES.
 - SLEEVES SHALL NOT BE USED UNLESS SPECIFIED ON THE DESIGN DRAWINGS.

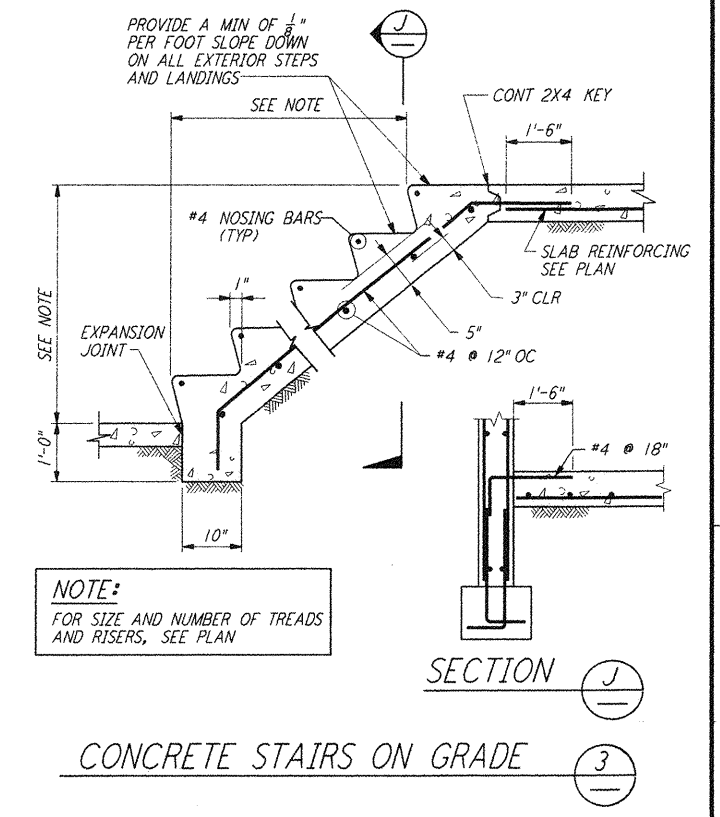
DIA D	PLATE WASHER	SLEEVE IF REQ'D		THREAD LENGTH	DIA D
		DIA	LENGTH		
1/2"		2"	5"	1 3/4"	1/2"
3/8"		2"	5"	2 1/8"	3/8"
3/4"		2"	7"	2 1/2"	3/4"
7/8"		2"	7"	2 3/8"	7/8"
1"	2 1/2" X 2 1/2" X 3/8"	3"	10"	3 1/4"	1"
1 1/8"	3" X 3" X 1/2"	3"	10"	3 5/8"	1 1/8"
1 1/4"	3 1/2" X 3 1/2" X 1/2"	3"	10"	4"	1 1/4"
1 3/8"	3 1/2" X 3 1/2" X 1/2"	4"	15"	4 1/8"	1 3/8"
1 1/2"	3 1/2" X 3 1/2" X 5/8"	4"	15"	4 3/4"	1 1/2"



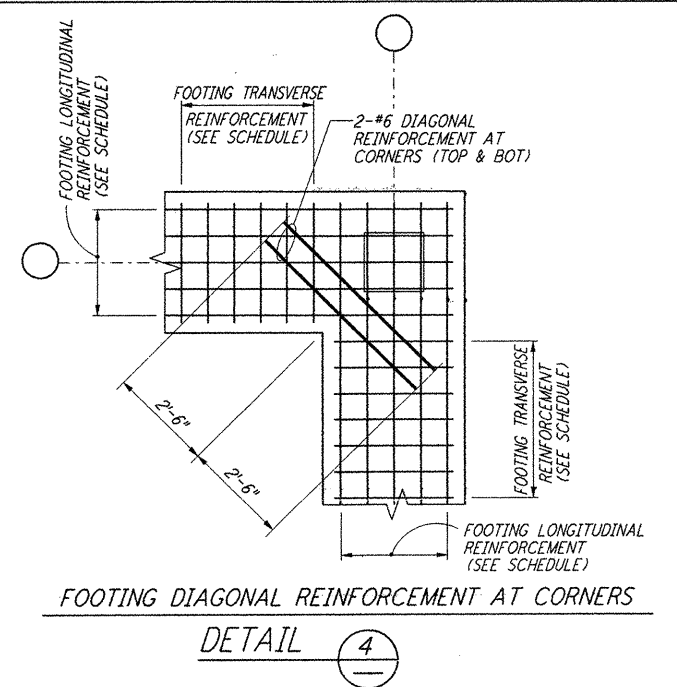
BASE ANGLE CONNECTION
 SECTION A



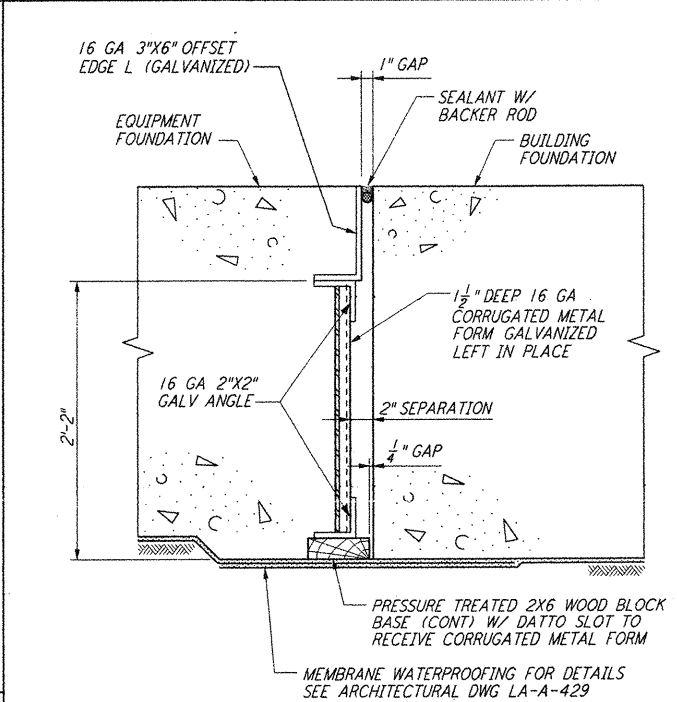
FRONT VIEW SIDE VIEW
 DETAIL 2



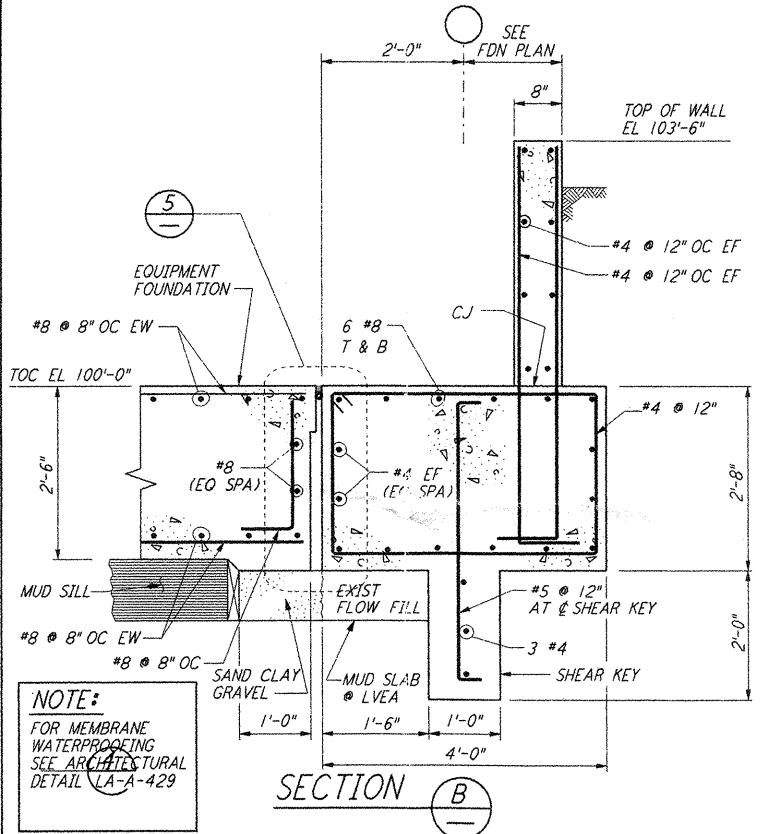
CONCRETE STAIRS ON GRADE
 SECTION J



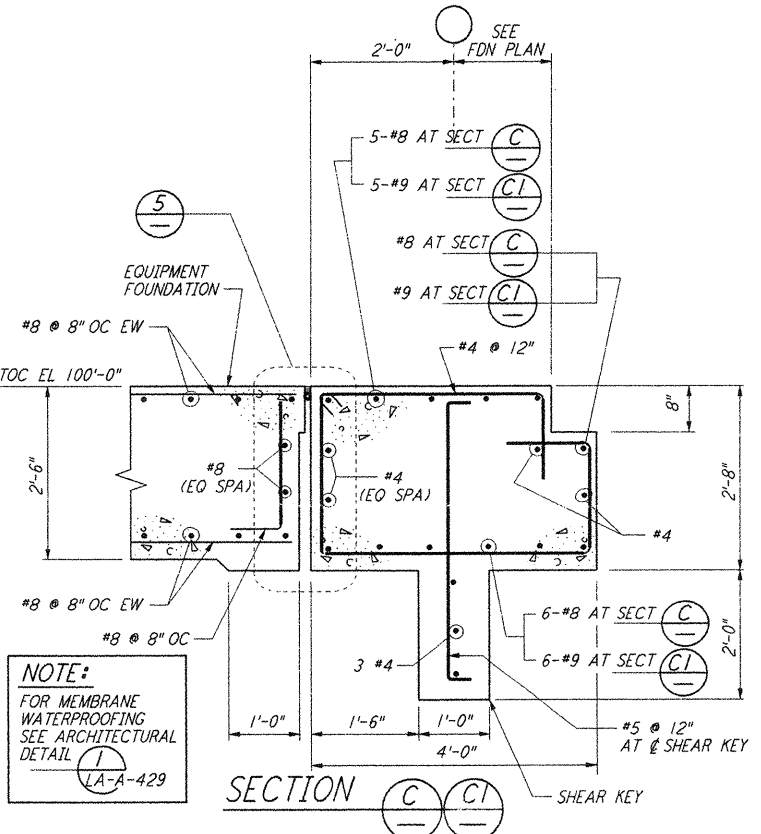
FOOTING DIAGONAL REINFORCEMENT AT CORNERS
 DETAIL 4



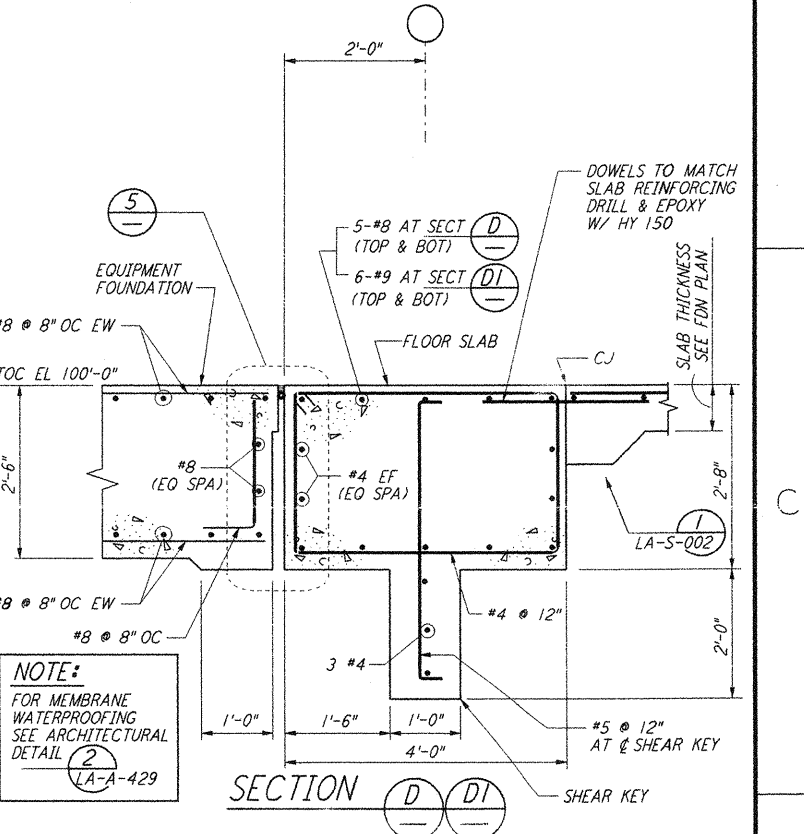
EQUIPT FDN & BLDG FDN INTERFACE
 DETAIL 5



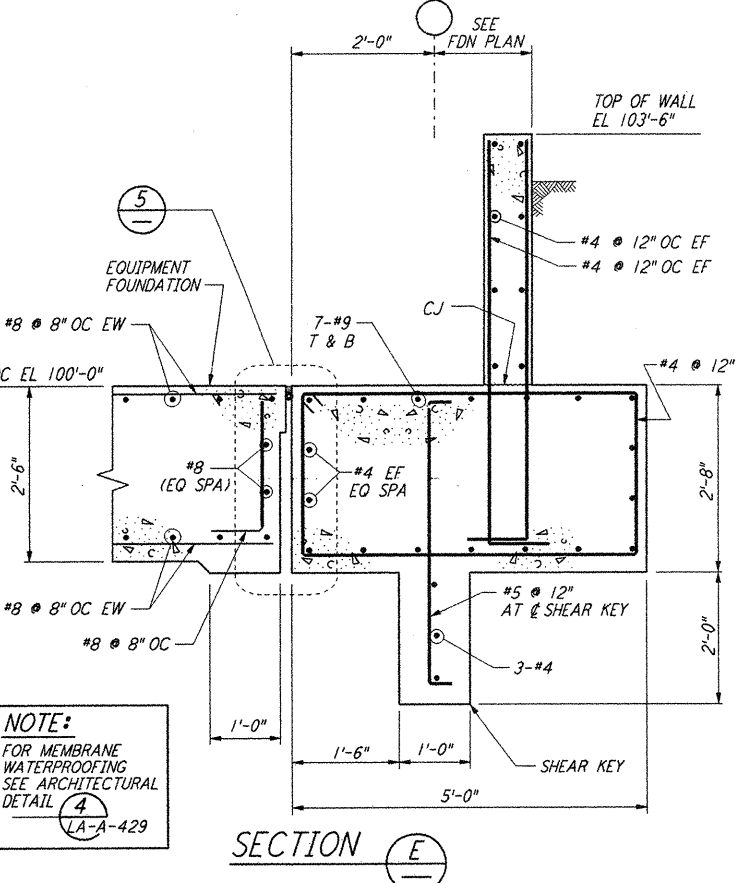
SECTION B



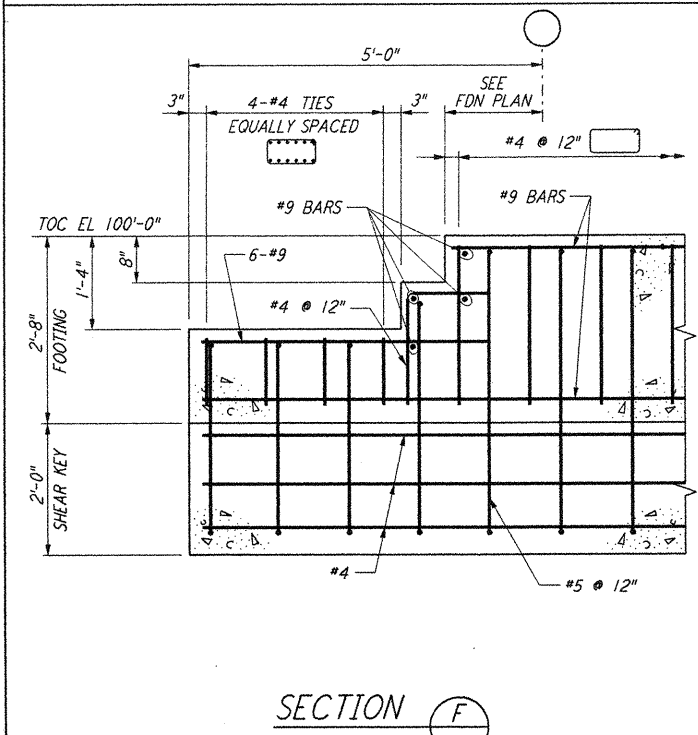
SECTION C



SECTION D



SECTION E



SECTION F

NO.	DATE	BY	CHKD	ENGR	PROJ	DESCRIPTION
1	08-07-98	WA				ISSUED FOR AS-BUILT

ISSUED FOR CONSTRUCTION
 DRAWN MCS 11-15-96
 CHECKED DDM 11-15-96
 ENGINEER BP 11-15-96
 PROJ TDM 11-15-96

AS-BUILT DRAWINGS

PARSONS
 100 WEST WALNUT STREET
 PASADENA, CALIFORNIA

LIGO
 CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

LIGO-D960909-01-O

LASER INTERFEROMETER
 GRAVITATIONAL-WAVE OBSERVATORY
 SITE NO. 2 - LIVINGSTON, LOUISIANA

TITLE: STRUCTURAL STANDARD CONCRETE DETAILS SHEET 2
 SHEET NUMBER: NONE
 CONTRACT NUMBER: PPI50969
 PROJECT NUMBER: 8094

SCALE: 1" = 1'-0"
 REVISIONS: 1

LA-S-003

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