GENERAL NOTES

PLACING OF STRANDS AND ANCHORAGES

1. LAYOUT BULKHEAD BY LOCATING THE CENTER OF THE STRAND BUNDLES PER THE DIMENSIONS ON THE STRAND PLAN.
2. MARK LOCATION OF INDIVIDUAL ANCHORAGES ON EACH SIDE OF BUNDLE CENTERLINE PER DETAIL D/1 AND DRILL A 3/4" DIAMETER HOLE IN BULKHEAD, UNLESS NOTED OTHERWISE.
3. LAY THE LOWER PERIMETER REBAR CONTINUOUS AROUND THE EDGE OF THE SLAB.
4. LAY ALL TRANSVERSE STRAND OR TIE-BAR THAT IS SHOWN TO BE BELOW THE LONGITUDINAL STRAND.
5. REFERRING TO THE STRAND PLAN, SELECT INDIVIDUAL COLOR-CODED COILS OF STRAND AND UNROLL THEM IN PLACE, BEGINNING AT THE "DEAD-END", IF THERE IS ONE. AT LEAST 18" OF STRAND MUST PROJECT PAST THE BULKHEAD AT EACH STRESSING END.
6. ASSEMBLE AND NAIL REUSABLE POCKET FORMER AND SENECA ANCHOR TO THE BULKHEAD AS SHOWN PER DETAIL A/1 STRESSING END. RECOMMEND 16 d RING SHANK NAILS.
7. AT STRESSING ENDS, REMOVE WRAPPING TO APPROXIMATELY 6" INSIDE THE BULKHEAD. DO NOT REMOVE GREASE. SLIDE STRAND THROUGH ANCHOR.
8. TIE "DEAD-ENDS", IF ANY, IN PLACE, APPROXIMATELY 12" FROM BULKHEAD WITH A PERIMETER BAR BELOW THE STRAND. CHAIR THE ANCHOR APPROXIMATELY IN THE CENTER OF THE SLAB AS SHOWN IN DETAIL A/1.
9. LAY ALL TRANSVERSE STRANDS OR TIE-BARS THAT ARE SHOWN TO BE ABOVE THE LONGITUDINAL STRAND.
10. CHECK ALL STRANDS FOR TEARS OR EXCESSIVE WEAR IN THE PLASTIC WRAPPING AND REWRAP AS NECESSARY.
11. LAY REMAINING TOP PERIMETER REBAR ABOVE ALL ANCHORAGES. TOP AND BOTTOM BARS SHOULD BE OFFSET ABOUT 1" AND BE 1" AWAY FROM ANCHORAGE. TIE BOTH TO THE STRAND.
12. WORKING AWAY FROM "DEAD-ENDS" FIRST, CURVE STRANDS SMOOTHLY INTO STRAIGHT, FLAT BUNDLES, SIMILAR TO DETAIL D/1. ON TWO-WAY PULL CABLES, HAVING NO "DEAD-END", BEGIN AS NEAR MID-CABLE AS POSSIBLE WHERE THE STRAND CROSSES A BEAM. TIE BUNDLE IN POSITION ON TOP OF THE BEAM BAR, WORK BOTH WAYS, STRAIGHTENING AND BUNDLING PER THE SHOP DRAWINGS.
13. REFERRING TO STRAND PLAN, FOR CHAIR HEIGHTS, PLACE CHAIRS AT TIE-BAR/CABLE INTERSECTIONS AND TIE THE CHAIR, STRAND AND TIE-BAR TOGETHER.
14. AT STRESSING ENDS, CURVE STRANDS SMOOTHLY TO INDIVIDUAL ANCHORAGES AS SHOWN IN DETAIL D/1. TIE INDIVIDUAL STRANDS TO THE FIRST TIE-BAR OR STRAND THAT IS PARALLEL TO THE BULKHEAD AND MOVE STRANDS SIDEWAYS TO FORM 90 DEGREE ANGLES WITH THE BULKHEAD.

PREPARATION FOR STRESSING

STRIPPED, REMOVE THE REUSABLE POCKET FORMER.

CHECK INSIDE EACH POCKET FORMED HOLE, MAKING SURE THAT EXPOSED PORTION OF ANCHORAGE IS CLEAN. IF A FILM OF CEMENT PASTE HAS INTRUDED, REMOVE IT WITH A SCRAPER OR SCREWDRIVER.

INSERT A PAIR OF GRIPPERS BY HAND INTO EACH ANCHORAGE.

PUT A CRAYON MARK ON THE STRAND AT THE EDGE OF THE SLAB, OR AT A CONSTANT DIMENSION FROM THE EDGE OF THE SLAB. A YELLOW CRAYON AND A WOODEN CARPENTERS RULE ARE RECOMMENDED.

STRESSING REQUIREMENTS

STRESSING SHALL NOT TAKE PLACE UNTIL CONCRETE HAS ATTAINED A STRENGTH OF 3000 PSI AS DETERMINED BY STANDARD CYLINDER TESTS. CONCRETE STRENGTH REQUIREMENTS ARE DETERMINED BY ENGINEERS SPECIFICATIONS AND SHALL COMPLY WITH ACI FORMULA 26-1.

STRESSING JACKS SHALL BE POWERED BY ELECTRIC HYDRAULIC PUMPS AND BE EQUIPPED WITH AN ACCURATE PRESSURE GAUGE, (HELICOID TYPE RECOMMENDED), HAVING A 6" MINIMUM DIAL FACE AND READING NO MORE THAN 100 PSI PER INCREMENT.

STRESSING OPERATION

1. MAKE SURE THAT BOTH THE MAIN RAMS IN THE JACK AND THE SMALL RAMS IN THE HYDRAULIC SEATING ATTACHMENT ARE FULLY RETRACTED.
2. POSITION THE TWIN-RAM JACK BY PLACING IT OVER THE STRAND, LOWERING IT UNTIL THE STRAND DROPS INTO THE SPACE BETWEEN THE JACK GRIPPERS, AND MOVING IT FORWARD INTO THE POCKET HOLE UNTIL THE NOSEPIECE CONTACTS THE ANCHORAGE. WITH ONE THUMB ON EACH JACK GRIPPER, PUSH THEM FORWARD UNTIL THEY CLOSE ON THE STRAND. MAKE SURE THAT THE BACKS OF THE GRIPPERS ARE LINED UP IN ORDER TO ALLOW PROPER GRIPPING ACTION AND AVOID DAMAGING THE GRIPPERS.
3. POINT THE HANDLE OF THE 3-POSITION VALVE TOWARD THE OUTLET WITH TWO HOSES. ONE OF THE HOSES WILL HAVE A HAND-OPERATED VALVE AT ITS CONNECTION. MAKE SURE THIS VALVE IS CLOSED.
4. ACTIVATE HYDRAULIC PUMP AND STRESS TO DESIRED ELONGATION PLUS SEATING LOSS, BUT DO NOT EXCEED 0.80 f'_s.
5. OPEN THE HAND-OPERATED VALVE ALLOWING PRESSURE TO FLOW THROUGH THAT HOSE TO THE SMALL RAMS IN THE HYDRAULIC SEATING ATTACHMENT. THIS WILL "SEAT" THE GRIPPERS INSIDE THE ANCHORAGE.
6. MEASURE FINAL ELONGATION. IF SEATING LOSS HAS BEEN EXCESSIVE, RETENSION STRAND TO GREATER ELONGATION AND RE-SEAT GRIPPERS.
7. RECORD GAUGE PRESSURE AND ELONGATION.
8. MOVE THE 3-POSITION VALVE TO THE OTHER OUTLET AND ACTIVATE THE PUMP, THUS RETRACTING THE MAIN RAMS.
9. TO RELEASE JACK FROM STRAND, PUSH FORWARD ON JACK AS RAMS RETRACT, GRIPPERS WILL AUTOMATICALLY RELEASE.

STRESS CHECK

OCCASIONALLY IT WILL BE ADVISABLE TO USE A GAUGE READING TO CHECK THE FINAL ANCHOR FORCE IN THE STRAND. THIS IS DONE AFTER THE GRIPPERS ARE SEATED BUT BEFORE THE JACK IS REMOVED FROM THE STRAND. ACTIVATE THE PUMP, RE-APPLYING TENSION TO THE STRAND. WATCH THE GAUGE CLOSELY AS THE PRESSURE RISES. AT SLIGHTLY ABOVE ANCHOR FORCE, THE GAUGE POINTER WILL SUDDENLY DROP BACK A LITTLE AS THE STRAND GRIPPERS ARE "UNSEATED". THE PRESSURE AT THE BOTTOM OF THAT DROP, BEFORE THE POINTER STARTS TO RISE AGAIN, IS THE ONE WHICH INDICATES THE FINAL ANCHORAGE FORCE IN THE STRAND. THE STRAND IS RE-LEASED TO ITS SEATED POSITION BY MOVING THE 3-POSITION VALVE HANDLE TO THE OTHER INLET.

SEALING STRESSING HOLES

THE REUSABLE POCKET FORMER ASSEMBLY FORMS A HOLE 2" IN DIAMETER WHICH IS TO BE FILLED AND SEALED WATERTIGHT.

USING A CUTTING TORCH, BURN OFF EXCESS STRAND 1/2" to 3/4" BACK IN HOLE. BE CAREFUL NOT TO DIRECT FLAME ON GRIPPERS. USE A LARGE HOT FLAME AND COMPLETE THE CUT AS QUICKLY AS POSSIBLE.

PAINT EXPOSED ANCHORAGE, GRIPPERS, AND STUB OF STRAND WITH RUSTOLEUM PRIMER, OR EQUIVA-LENT.
USING A STIFF GROUT MIXTURE OF 2 PARTS CEMENT TO ONE PART SAND, PACK HOLE AND FINISH SURFACE TO DESIRED TEXTURE TO MATCH SLAB.

IF EDGE OF SLAB WITH STRESSING HOLES IS TO BE BELOW GRADE, COAT WITH EPOXY OR ASPHAULT AFTER DRY-PACKING.

TECHNICAL NOTES

PROPERTIES OF 1/2" 270K - 7 WIRE STRAND:

F(ULT.)	=	270,000 PSI
AREA	=	.153 SQUARE INCHES
F(ULT.)	=	41.3 KIPS
E	=	28,000,000 TO 29,000,000 PSI

MAXIMUM TEMPORARY FORCE TO OVERCOME FRICTION = 80% x 41.3K = 33K

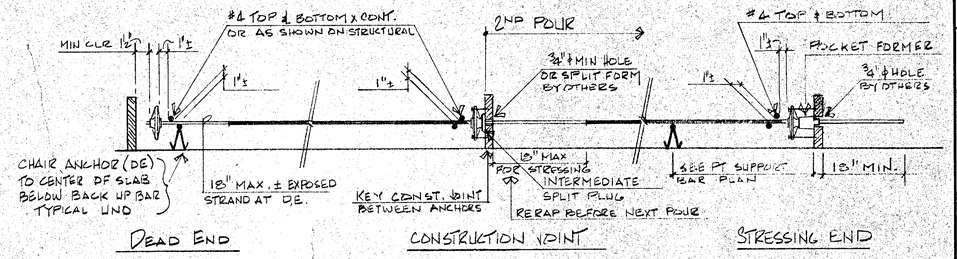
MAXIMUM ANCHOR FORCE (F_a) = 70% x 41.3K = 28.9K.

LOSSES DUE TO CREEP, SHRINKAGE, ELASTIC SHORTENING, AND STEEL STRESS RELAXATION ARE TO BE CALCULATED TO DETERMINE EFFECTIVE TENDON FORCE.

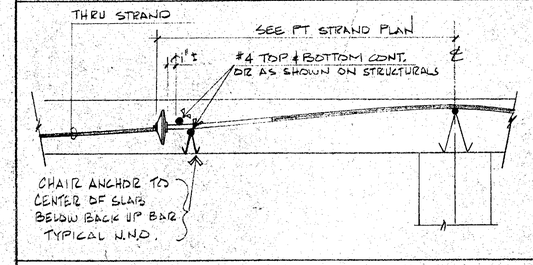
UNIT ELONGATION = $\frac{(F_a)\ (\text{POUNDS})\ (12\ \text{INCHES})}{(.153\ \text{SQ. IN.})\ (28{,}700{,}000\ \text{PSI})}$ = .079 INCHES PER FOOT

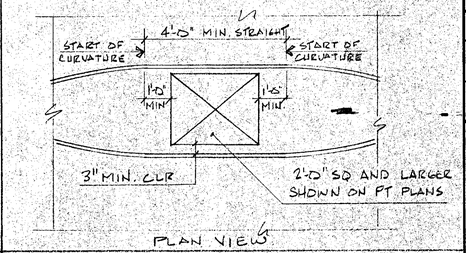
GENERAL NOTES

1. POST-TENSIONING SHOP DRAWINGS ARE ONLY FOR STRAND PLACEMENT AND STRESSING RECESS DETAILS.
2. OTHER REINFORCING SHOWN IS ONLY FOR A GUIDE. SEE STRUCTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL OTHER REINFORCING, EXCEPT FOR SUPPORT STEEL OR CHAIRS NEEDED TO SUPPORT STRANDS.
3. POST-TENSIONING SHOP DRAWINGS MAY NOT BE DRAWN TO VERTICAL SCALE AND DO NOT SHOW ALL DEVIATIONS FROM LEVEL SUCH AS ARE SHOWN ON ARCHITECTURAL AND STRUCTURAL DRAWINGS. REFER TO ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR FINISHED CONCRETE ELEVATIONS OF SLAB AND GIRDERS, AND FOR EXACT LOCATION OF BULKHEADS AND OPENINGS, ETC.
4. DEVIATIONS OF NOT MORE THAN SIX INCHES IN SPACING OF SLAB STRANDS WILL BE PERMITTED WHERE REQUIRED TO AVOID OPENINGS, INSERTS AND DOWELS WHICH ARE SPECIFICALLY LOCATED. WHERE LOCATION OF STRANDS SEEM TO INTERFERE WITH EACH OTHER, ONE STRAND MAY BE MOVED HORIZONTALLY IN ORDER TO AVOID THIS INTERFERENCE.

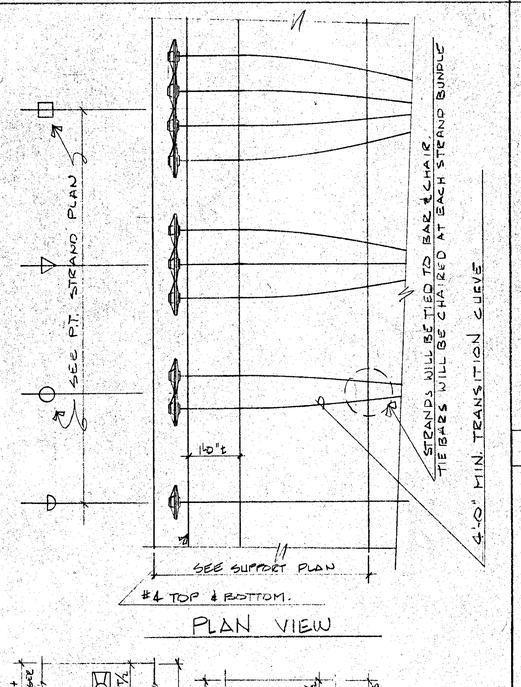


SLAB ANCHORAGE DETAIL - A -



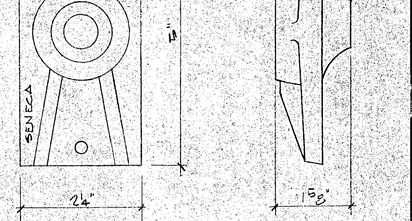


MID-SLAB ANCHORAGE DETAIL - B -



STRESSING END PLAN DETAIL - D -

OPENING DETAIL - C -



ANCHOR DETAIL - E -

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GENERAL NOTES & DETAILS
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

PRINT STATUS:
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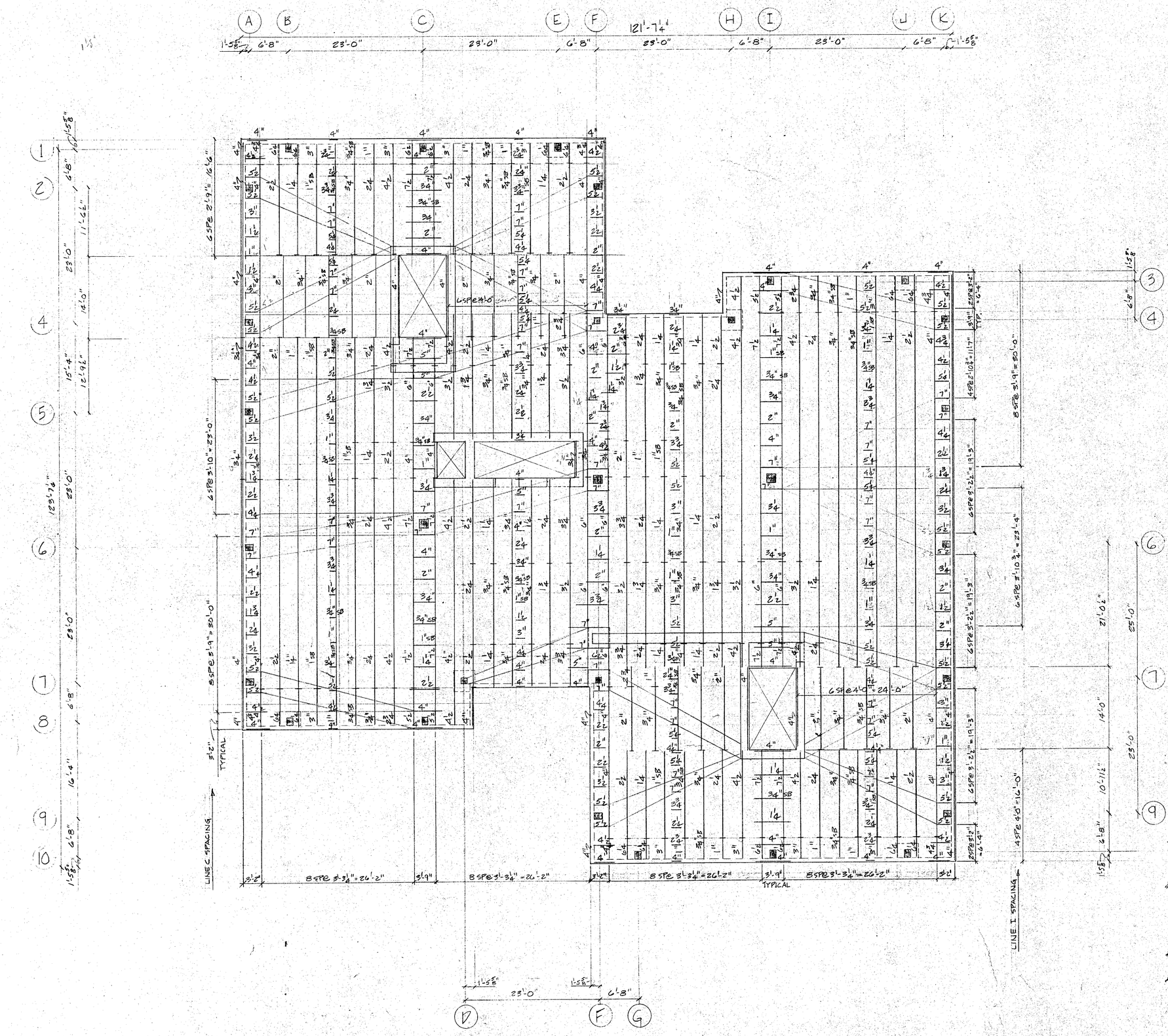
1/28/82

JOB NO: 100-82

PT-1

SHEET: 1 OF: 1

N69071



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NOTES:

#1. 1/2" ϕ STRAND; SUPPORT BAR; CGS; CHAIR

#2. SB = SLAB BOLSTER

#3. ℄ PROFILE CHANGE

BLDG. 2 - 1ST FLOOR PLAN
P.T. SUPPORT BAR LAYOUT

PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

PRINT STATUS:
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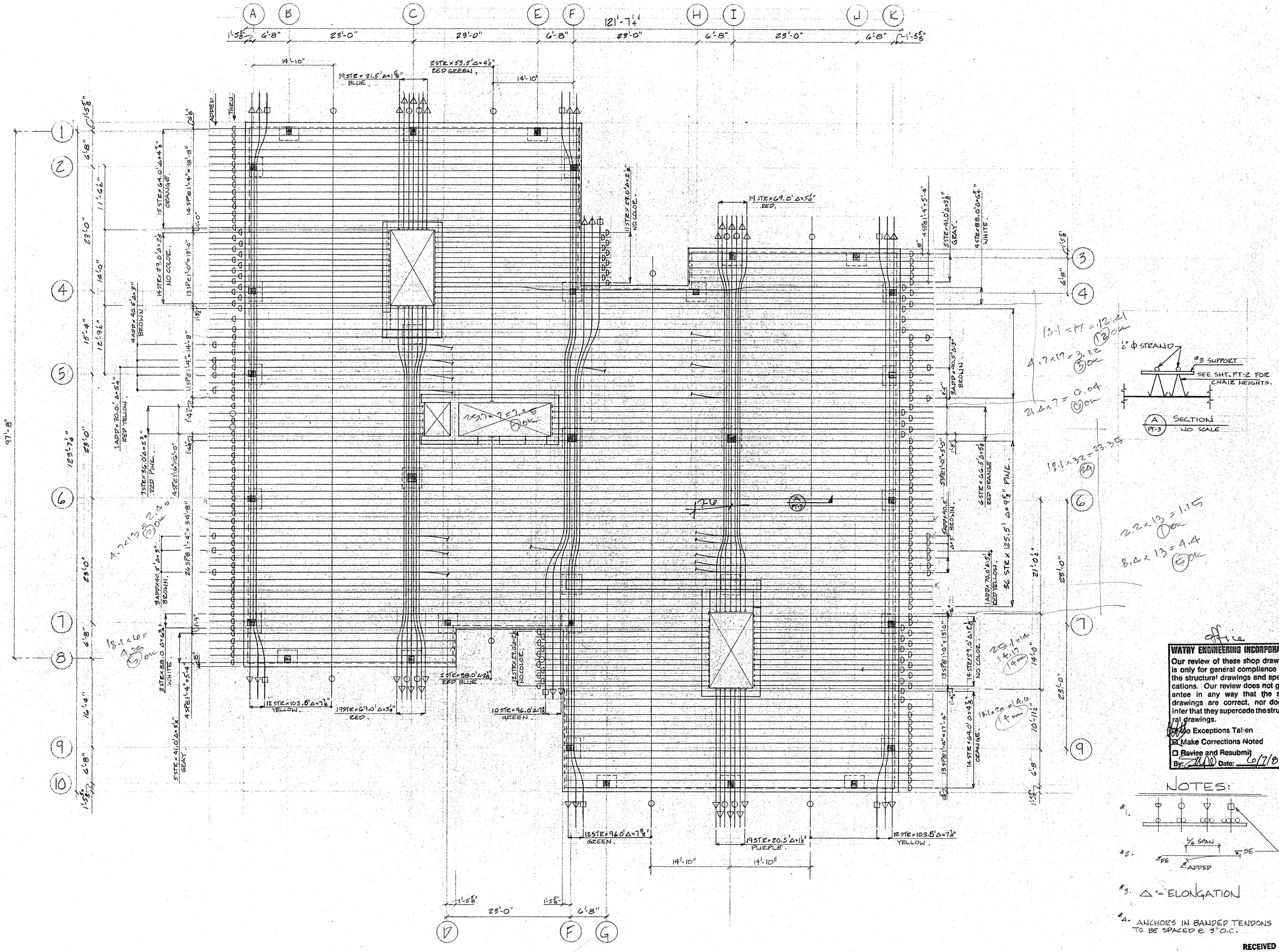

NOTES:

#1.

#2.

#3. Δ = ELONGATION

#4. ANCHORS IN BANDED TENDONS TO BE SPACED @ 3" O.C.

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BLDG. 2 - 1ST FLOOR PLAN
STRAND LAYOUT
PROJECT: THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

PRINT STATUS: FOR APPROVAL 4/30/82

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PT-3

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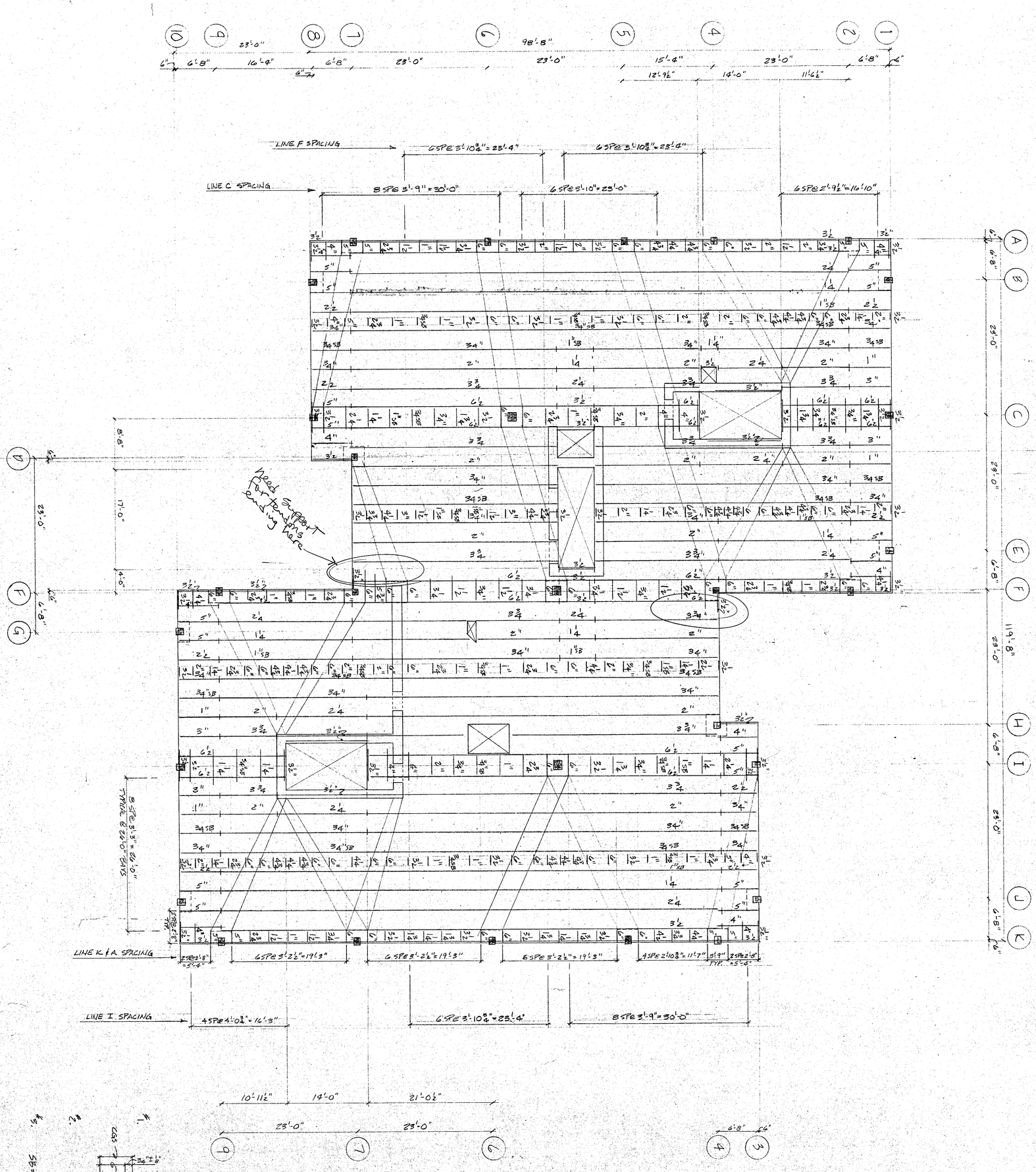

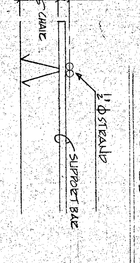

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BLDG. 1 & 2 - 2ND THRU 5TH FLOOR PLAN
P.T. SUPPORT BAR LAYOUT

PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

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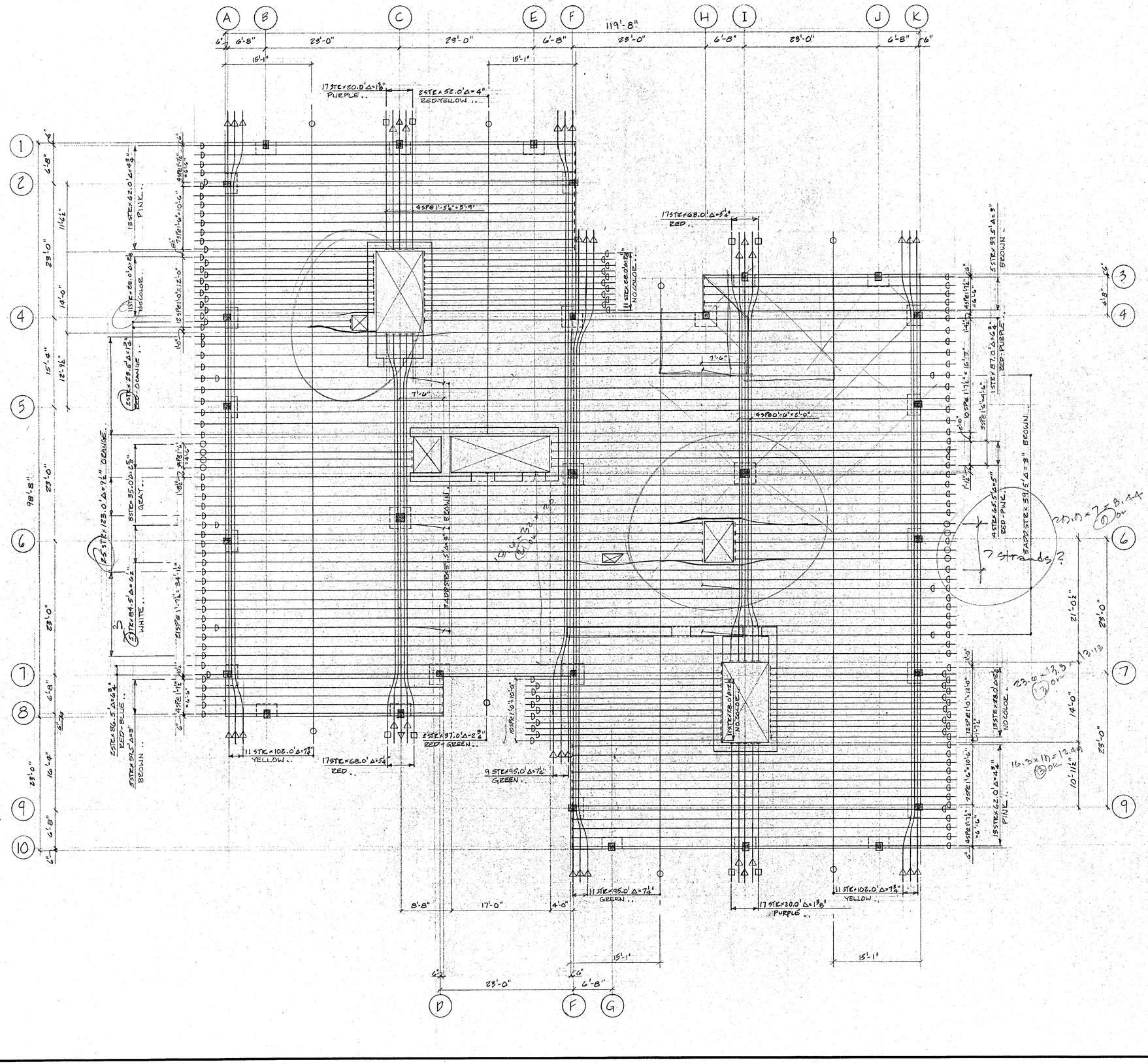

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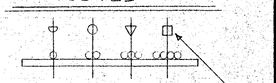
#1.



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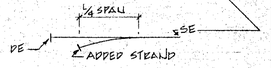

#3. △ = ELONGATION OF STRAND

#4. PLACE ANCHORS IN BANDED TENDONS @ 3" O.C.

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BLDG. 1&2 — 2ND THRU 5TH FLOOR PLAN
P.T. STRAND LAYOUT
PROJECT: THE WATERFRONT OFFICE TOWERS
STOCKTON, CALIFORNIA

PRINT STATUS: FOR APPROVAL 4/30/82

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PT-5

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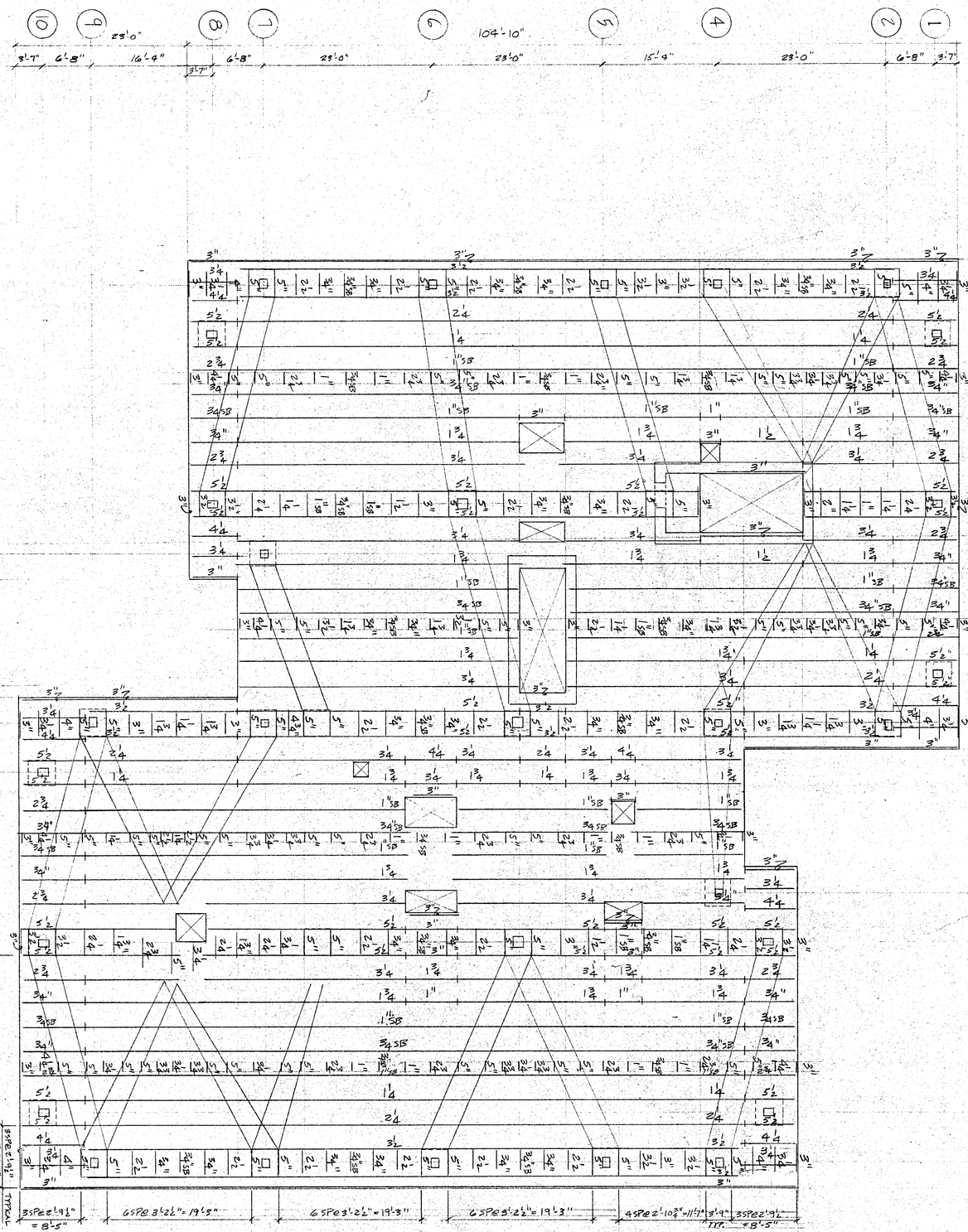

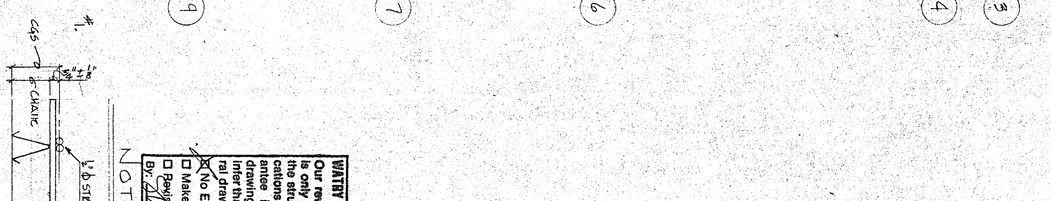

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Bldg. 1 & 2 - Roof Plan
P.T. Support Bar Layout

PROJECT:
The Waterfront Office Towers
Stockton California

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			1	5/10/82	General & Per Engineer's Instructions
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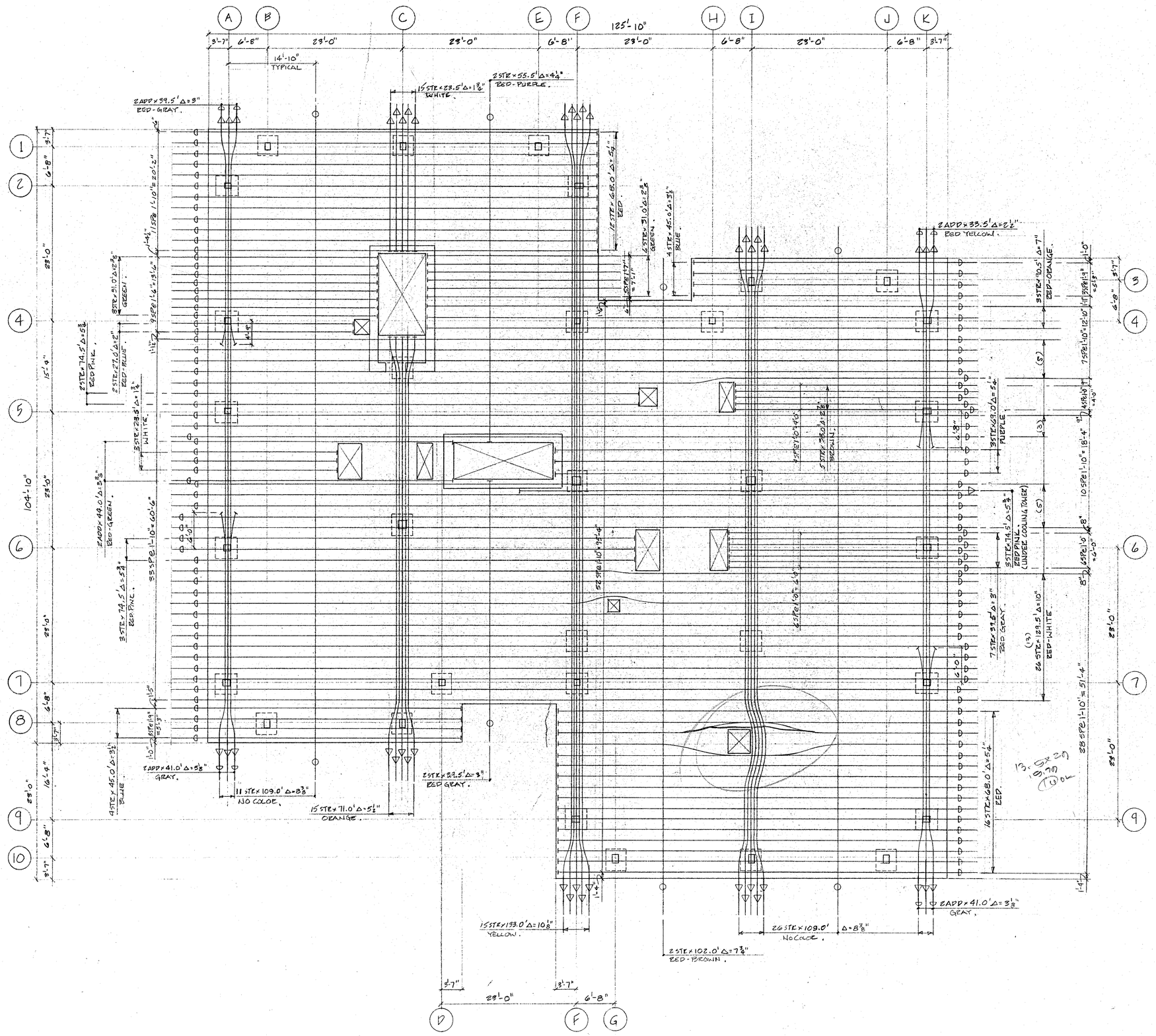

NOTES:

1.
2.
3. Δ = ELONGATION

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BLDG. 1 & 2 - ROOF PLAN
P.T. STRAND LAYOUT

PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

PRINT STATUS:
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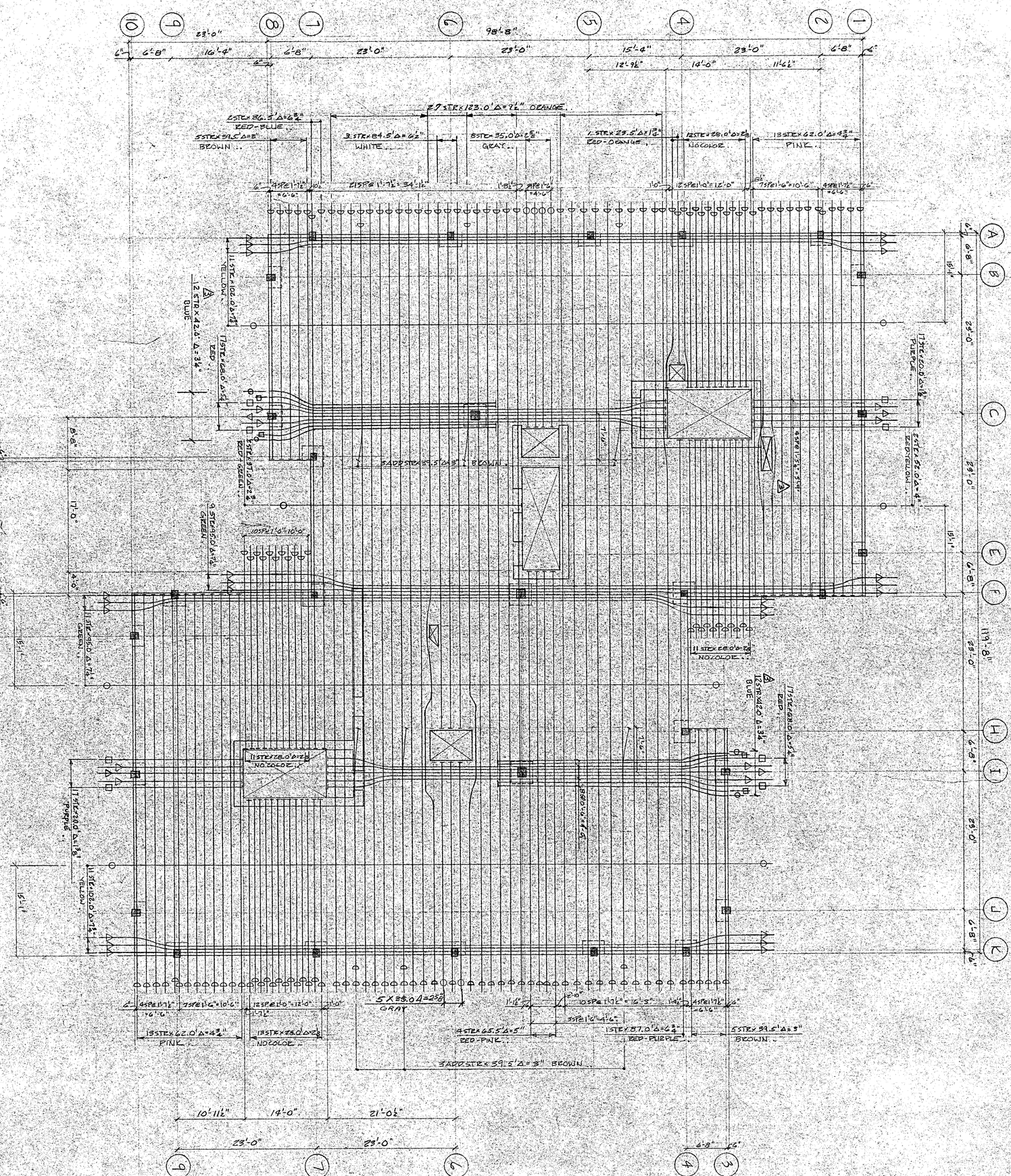

NOTES:

1. Δ = ELONGATION OF STRAND
2. PLACE ANCHORS IN BEAM PER PLAN
3. SEE DETAIL
4. SEE DETAIL
5. SEE DETAIL

DES.					
DRN.	CF	1/11	3	8-23-82	ADDED 12 Strand on E "5" "I" CHANGED TITLE BLOCK
CHK.			2	7-1-82	MISC. PER ENGINEER'S COMMENTS
			1	4/16/82	REMOVED 2 TENDONS FROM EA. BAND PER ENGINEER'S INSTRUCTIONS
			NO.	DATE	REVISION

BY: MJ, CF

SENECA
CONSTRUCTION SYSTEMS, INC.
21822 SHERMAN WAY • SUITE 200
CANOGA PARK, CALIFORNIA 91304
(213) 999-3063

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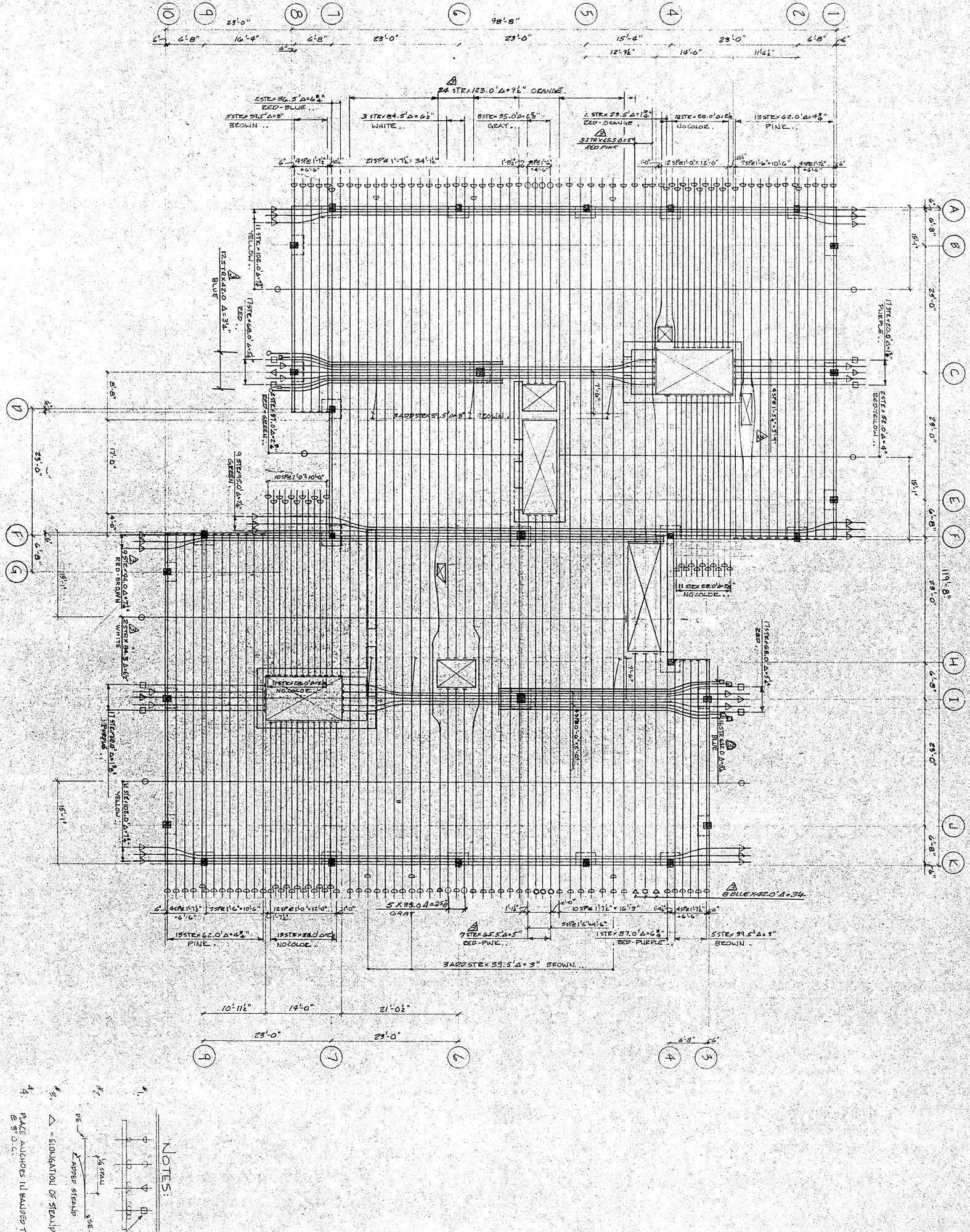
BLDG. 1 - FLOOR 2 thru 5 & BLDG 2 - FLOOR 2 & 4
P.T. STEAND LAYOUT

PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON, CALIFORNIA

PRINT STATUS:
FOR APPROVAL
AS BUILT
FOR CONSTRUCTION
7-1-82

JOB NO: 100-82

SHEET: PT-5 OF 7



DES.						
DRN.	CF	1/11	3	8-23-82	MISC. REVISIONS FOR OPENING NEAR 4", "F" & "H"	KJ
CHK.			2	7-1-82	MISC. PER ENGINEER'S COMMENTS	
			1	4/16/82	REMOVED 2 TENDONS FROM EA. BAND PER ENGINEER'S INSTRUCTIONS	CF
			NO.	DATE	REVISION	BY

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BLDG. 2 — 3rd FLOOR PLAN
P.T. STRAND LAYOUT

PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

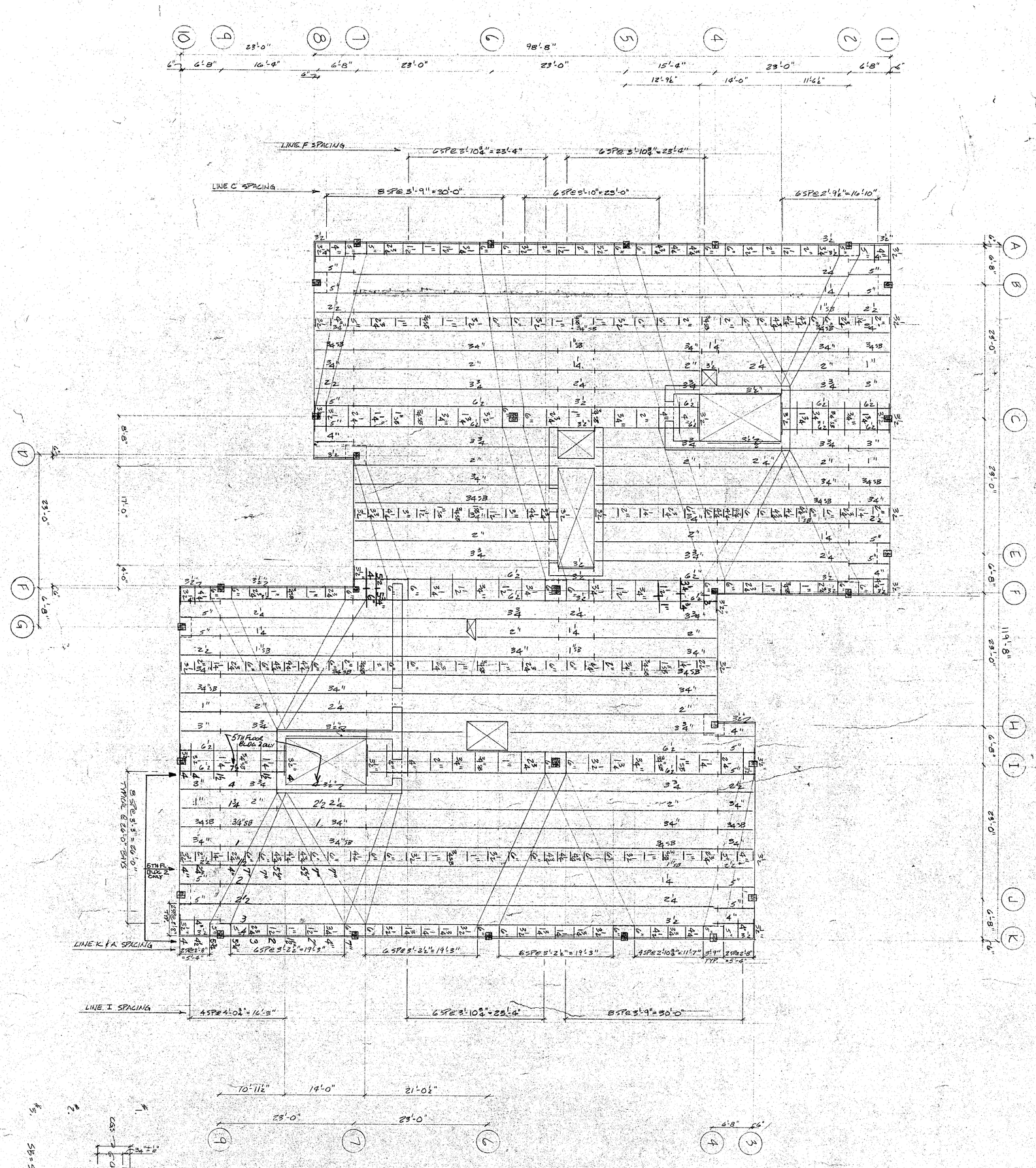
PRINT STATUS: FOR APPROVAL 4/30/82 FOR CONSTRUCTION 7-1-82

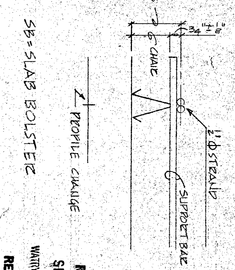
JOB NO: 00-82

SHEET: 5 OF: 7

PT-5A

WORKY-1





NOTES:

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☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Reuse and Resubmit
By: [signature] Date: 07/26/82

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RECEIVED
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PRINT STATUS: FOR APPROVAL 4/23/82 FOR CONSTRUCTION 9-14-82

JOB NO: 00-82

SHEET: 4 OF: 7

PT-4

BLDG. 1 & 2 - 2ND THRU 5TH FLOOR PLAN
P.T. SUPPORT BAR LAYOUT

PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

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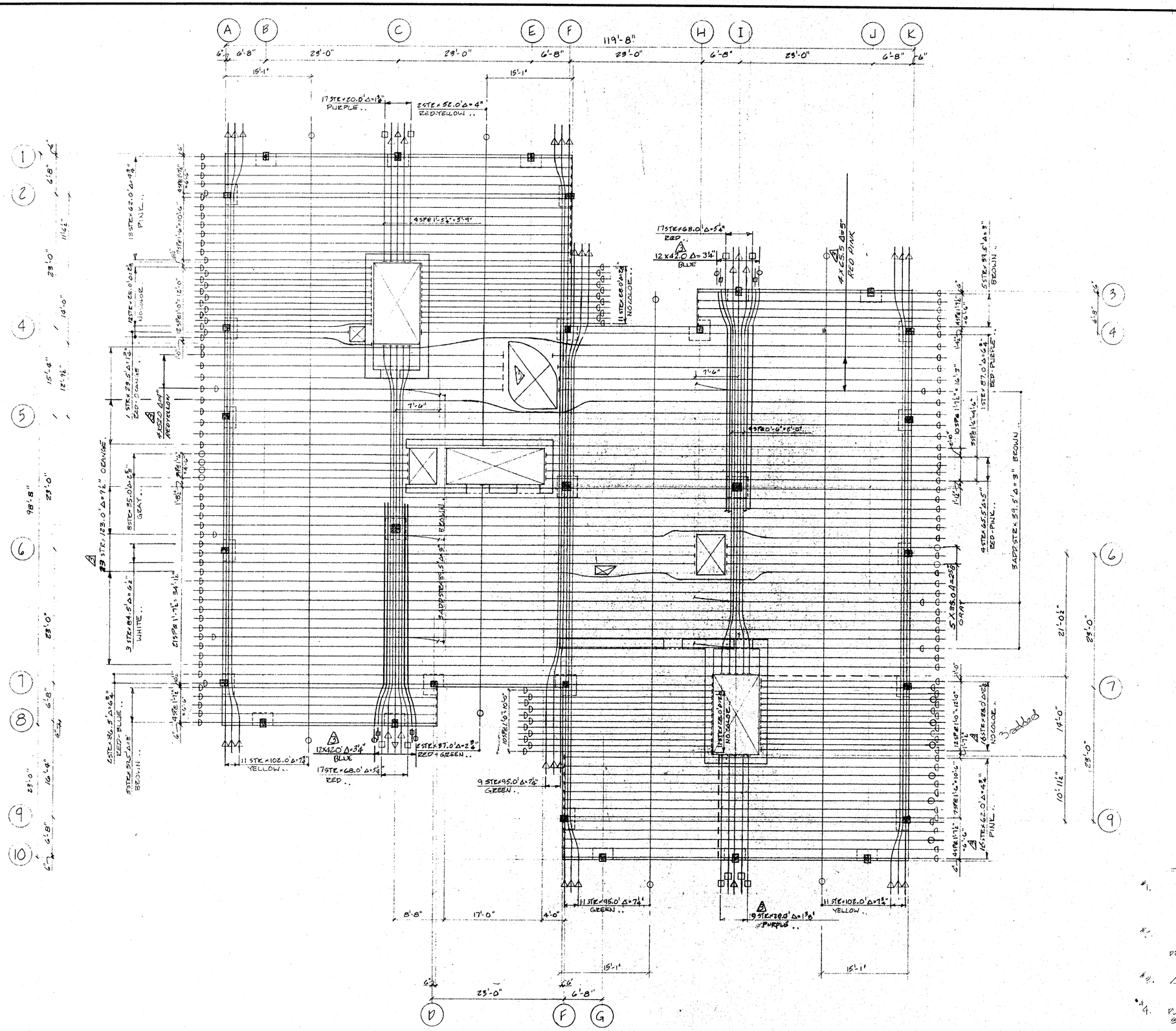
CANOGA PARK, CALIFORNIA 91304
(213) 999-3063

DES.						
DRN.	CF		3	9-14-82	REV. IN 9½" SLAB AREA	MJ
CHK.			2	7-1-82	MISC. PER ENGINEER'S COMMENTS	
			1	4/16/82	GENERAL: PER ENGINEER'S INSTRUCTIONS	CF
			NO.	DATE	REVISION	BY



WATRY ENGINEERING INCORPORATED

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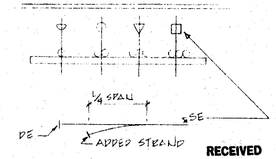
- ☐ Make Corrections Noted
- ☐ Revise and Resubmit

By: [signature] Date: 9/20/82

NOTES:

1. 

2. △ = ELONGATION OF STRAND

3. PLACE ANCHORS IN BANDED TENDONS @ 3" O.C.

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RECEIVED
SEP 14 1982
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NO.	DATE	REVISION	BY
3	9/14/82	REV. FOR 5TH FLOOR BLDG 2	MJ
2	7-1-82	MISC. PER ENGINEER'S COMMENTS	
1	4/16/82	REMOVED 2 TENDONS FROM EA. BAND PER ENGINEER'S INSTRUCTIONS	CF

DES.
DRN. CF
CHK.

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BLDG. 2 - 5TH FLOOR PLAN
P.T. STRAND LAYOUT

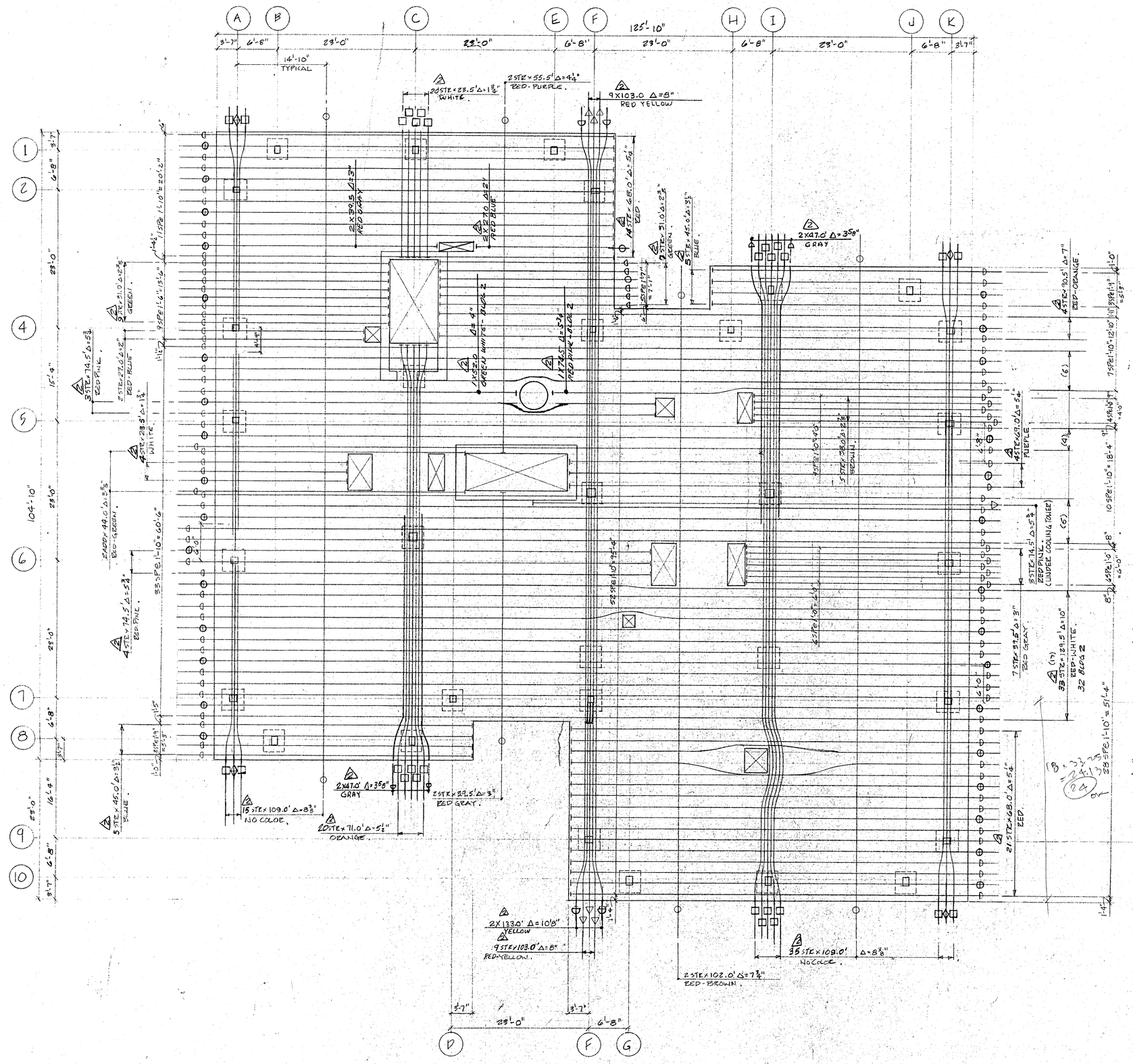
PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

PRINT STATUS:
FOR APPROVAL 4/29/82
FOR CONSTRUCTION 9-14-82

JOB NO: 100-82

PT-5B

SHEET: 5 OF: 7



18×15.33 / 11.13 12

add (18-13.5) 17.67
17.72 tendons
13

16.67 + 1 = 17.67
(17) ok

18×23 = 16.67
+ 6×4 = 17.66
(18) ok

18×33.25 = 24.13
(24) ok

office

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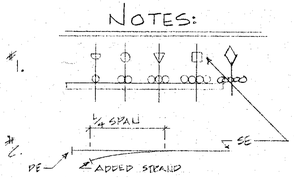
- ☐ Make Corrections Noted
- ☐ Revise and Resubmit

By: [signature] Date: 9/22/82

NOTES:



#1.

#2.

#3. Δ = ELONGATION

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SEP 15 1982
WATRY ENGINEERING INC.

NO.	DATE	REVISION	BY
1	4/16/82	REMOVED 2 TENDONS FROM CA. BAND. PER ENGINEER'S INSTRUCTIONS	CF
2	9/14/82	CHK REV PER 200 FSI	

DES.
DRN. CF 1/11
CHK.

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CONSTRUCTION SYSTEMS, INC.
21822 SHERMAN WAY • SUITE 200
CANOGA PARK, CALIFORNIA 91304
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BLDG. 1 & 2 - ROOF PLAN
P.T. STRAND LAYOUT

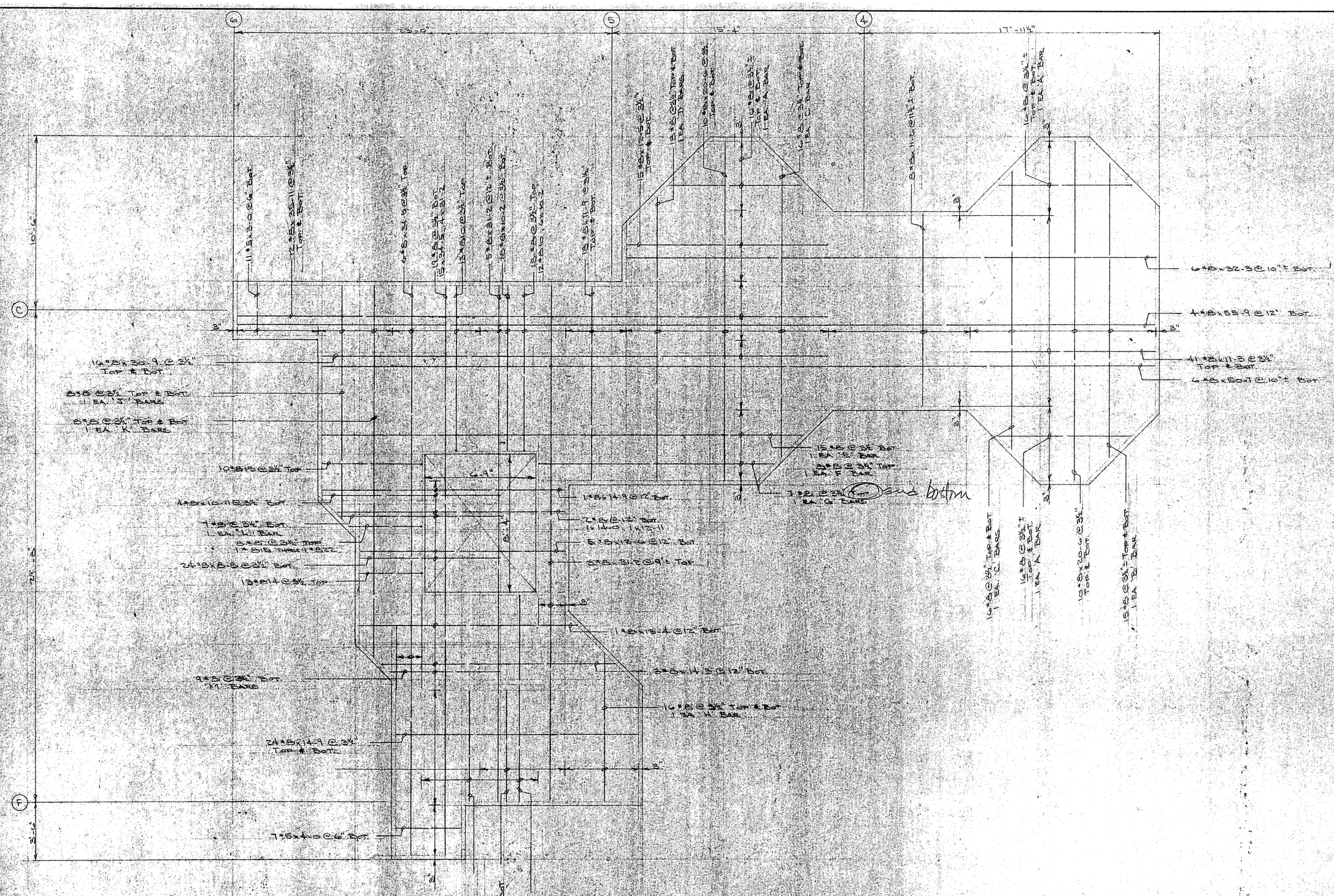
PROJECT:
THE WATERFRONT OFFICE TOWERS
STOCKTON CALIFORNIA

PRINT STATUS:
FOR APPROVAL
4/30/82
FOR CONSTRUCTION
9-14-82

JOB NO: 100-82

PT-7

SHEET: 7 OF: 7



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by: [signature] 2/26/82

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WATERFRONT TOWERS
STOCKTON, CA

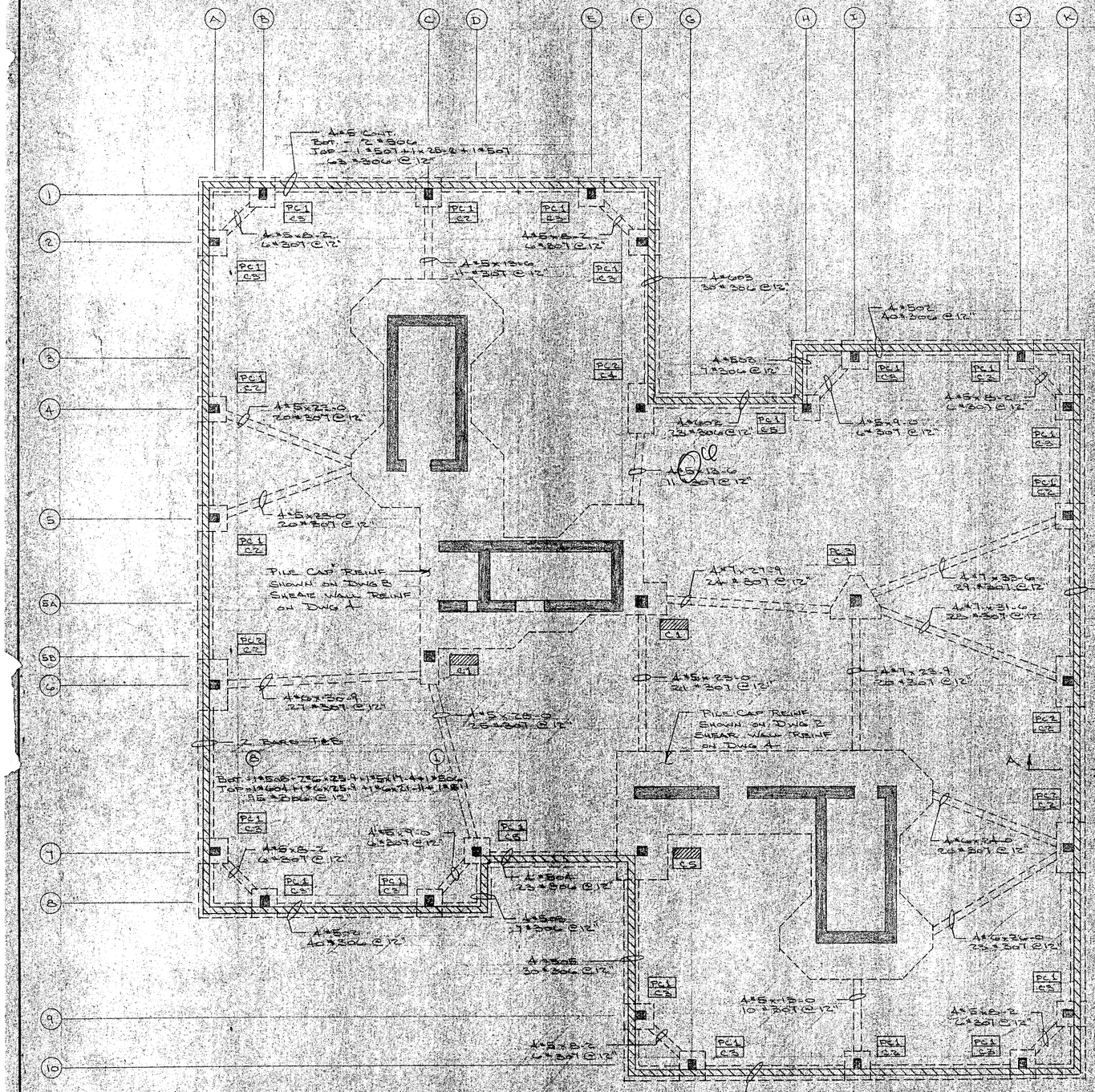
82-12

SCALE	REVISIONS	BY	DATE
DATE 1-29-82			
DR'N CKD			
APV'D			

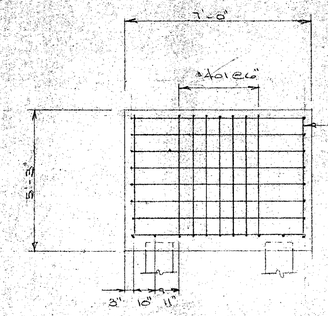
TITLE Bldg 2 - Pile Cap

NO. Dwg. 2

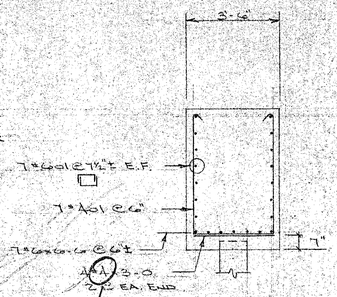
BRUNING 40-105



PLAN

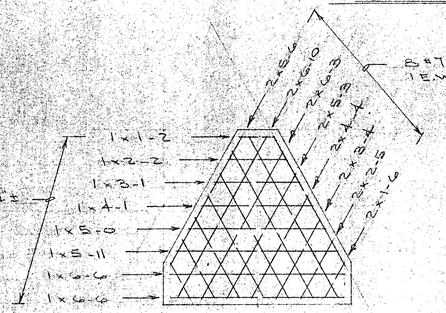


ELEVATION

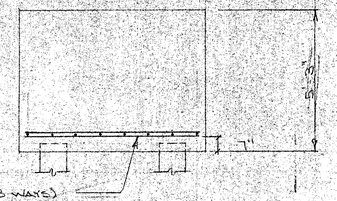


SECTION

PILE CAP PC2

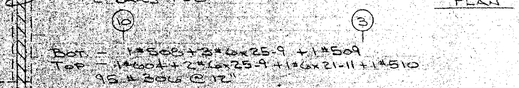


PLAN

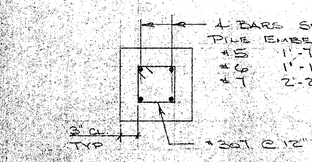


SECTION

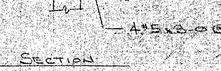
PILE CAP PC3



COLUMN SCHEDULE		
COLUMN	DOWELS	TIES
A2, A7, B1, B5 C5, E1, F2, F9 G10, J3, J8, J10 K4, K9	4-#7@2'	3-#3@4"
A4, A5, C1, J10 K5	6-#9@2'	3-#3@5"
A6, K6, K7	6-#9@4"	3-#3@6"
C5B, F5A	12-#9@1'	3-#3@2"
D7, H4	4-#7@2'	3-#3@3"
F2	4-#10@1'	3-#3@1"
F7	4-#9@1'	3-#3@3"
J5A	12-#9@2'	3-#3@2"

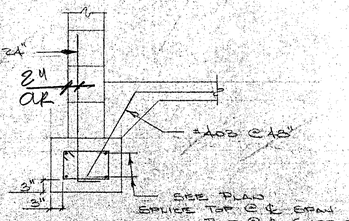


TIE BEAM SECTION (INTERIOR)



SECTION

PILE CAP PC1



SECTION A-A

office

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- ☐ Revise and Resubmit

By: [illegible] Date: 2/11/02

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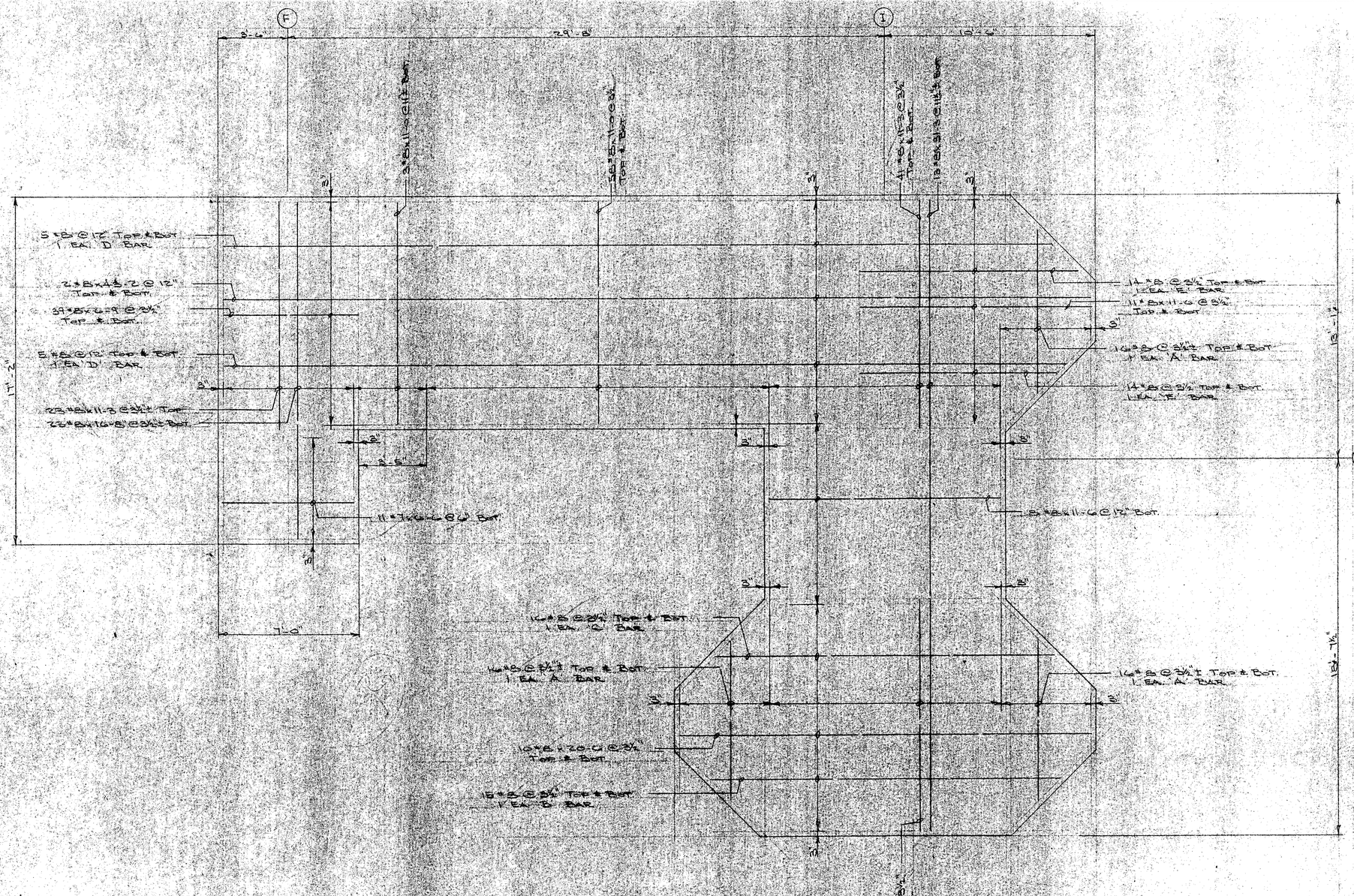
WATRY ENGINEERING INC.

WATERFRONT TOWERS 82-12
STOCKTON, CA.

SCALE:	REVISIONS	BY	DATE
DATE 2-4-82			
DR'N G.T.D. CKD.			
APP'D			

TITLE: BLDG 2 FOOTINGS — NO. DWG 1

BRUNING 40-105



PLAN - PILE CAP

NOTE: 3" CL. BOT REINF.
2" CL. TOP REINF.

RECEIVED
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☐ Revise and Resubmit

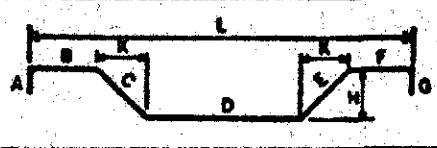
By: [illegible] Date: 2/10/82

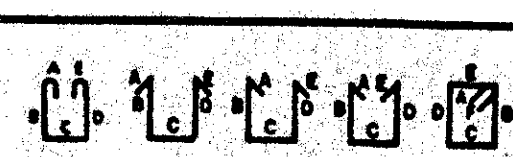
WATERFRONT TOWERS 82-12
STOCKTON, CA.

SCALE	REVISIONS	BY	DATE
DATE 1-26-82			
DR'N GD	CKED		
AP'VD.			

TITLE: BLDG 2 - PILE CAP REINF. NO. DWG 2

BRUNING 40-105





PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS.	SIZE	LENGTH	
1	330	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									85
2	120	|	1-5		302	0-4	0-9	0-4												86
3	15	|	4-4		303	0-4	0-11	0-11	0-11	0-11	0-4									87
4	45	|	3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									88
5	36	|	5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									89
6	72	#3	4-1		306	0-4	0-5½	1-3	0-5½	1-3	0-4									90
7																				91
8																				92
9																				93
10																				94
11																				95
12																				96
13																				97
14	68	#7	12-1	~	701	2-1	1-0	9-0					0-2							98
15																				99
16																				100
17																				101
18																				102
19	48	#9	13-4	~	901	3-4	1-6	8-6					0-2½				12	#9	12-8	103
20	12	#9	12-8	~	902	2-8	1-6	8-6					0-2½							104
21	12	#9	12-8	~	903	2-8	1-6	8-6					0-3½				#3		1555#	105
22																	#7		1679#	106
23	4	#10	14-3	~	1001	4-3	1-6	8-6					0-3				#9		3726#	107
24																	#10		245#	108
25						BUILDING 2													7205#	109
26						BASEMENT COLUMNS														110
						Job							Cont. No.				Part No.		Sht. 1	
27	396	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									111
28	144	|	1-5		302	0-4	0-9	0-4												112
29	18	|	4-4		303	0-4	0-11	0-11	0-11	0-11	0-4									113
30	57	|	3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									114
31	45	|	5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									115
32	45	#3	4-5		307	0-4	0-1¼	0-1¼	0-1¼	0-1¼	0-4									116
33																				117
34																				118
35													#3 - GRADE 40							119
36													ALL OTHERS GRADE 60							120
37																				121
38																				122
39																				123
40	68	#7	16-0	~	702	2-1	1-0	12-11					0-2							124
41																				125
42																				126
43																				127
44	24	#8	16-7	~	801	2-8	1-6	12-5					0-2¼							128
45																				129
46																				130
47	48	#9	17-3	~	904	3-4	1-6	12-5					0-2½				#3		1000#	131
48																	#7		2224#	132
49																	#8		1062#	133
50	4	#10	18-2	~	1002	4-3	1-6	12-5					0-4½				#9		2815#	134
51																	#10		313#	135
52																			7414#	136
53																				137
54																				138
55						BUILDING 2															139
56						FIRST FLOOR COLUMNS															140
57																				141
58																				142
59																				143
						Job							Cont. No.				Part No.		Sht. 2	
60	374	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									144
61	136	|	1-5		302	0-4	0-9	0-4												145
62	71	|	3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									146
63	42	|	5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									147
64	42	#3	4-5		307	0-4	0-1¼	0-1¼	0-1¼	0-1¼	0-4									148
65																				149
66																				150
67																				151
68	68	#7	15-0	~	703	2-1	1-0	11-11					0-2							152
69																				153
70																				154
71																				155
72	12	#8	15-7	~	802	2-8	1-6	11-5					0-2¼				12	#8	15-7	156
73																				157
74																				158
75																	#3		939#	159
76	48	#9	16-3	~	905	3-4	1-6	11-5					0-2¼				#7		2085#	160
77																	#8		499#	161
78																	#9		2652#	162
79	4	#10	17-2	~	1003	4-3	1-6	11-5					0-2½				#10		296#	163
80																			6471#	164
81																				165
82						BUILDING 2															166
83						SECOND FLOOR COLUMNS															167
84																				168

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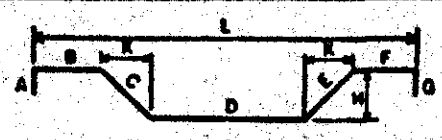
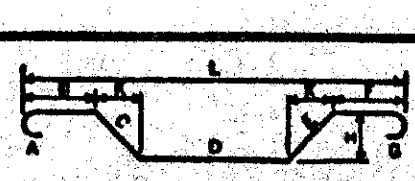
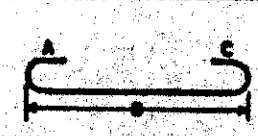
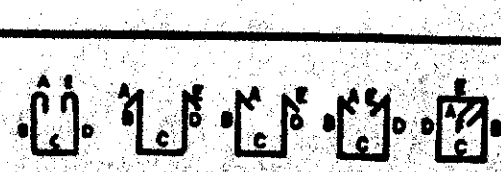
☒ No Exceptions Taken

☐ Make Corrections Noted

☐ Revise and Resubmit

By: [signature] Date: 2/20/82

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 9A

	PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO. PCS	SIZE	LENGTH	
1		374	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									85
2		71	#3	3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									86
3		42	#3	5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									87
4																					88
5																					89
6																					90
7																					91
8																					92
9																					93
10		4	#6	14-6		601	1-7	1-0	11-11					0-2							94
11																					95
12																					96
13		68	#7	15-0		703	2-1	1-0	11-11					0-2							97
14																					98
15		12	#8	15-7		802	2-8	1-6	11-5					0-2¼							99
16		32	#8	15-0		803	2-1	1-6	11-5					0-2¼							100
17																					101
18																					102
19																		#3		796#	103
20																		#6		87#	104
21																		#7		2085#	105
22																		#8		1781#	106
23																				4749#	107
24																					108
25																					109
26																					110
							Job						Cont. No.					Part No.		Sht. 1	
27																					111
28		374	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									112
29		71	#3	3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									113
30		42	#3	5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									114
31																					115
32																					116
33																					117
34																					118
35																					119
36																					120
37																					121
38																					122
39																					123
40																					124
41		4	#6	14-6		601	1-7	1-0	11-11					0-2							125
42																					126
43																					127
44		100	#7	15-0		703	2-1	1-0	11-11					0-2							128
45																					129
46																					130
47		12	#8	15-0		803	2-1	1-6	11-5					0-2¼							131
48																					132
49																					133
50																					134
51																		#3		796#	135
52																		#6		87#	136
53																		#7		3066#	137
54																		#8		481#	138
55																				4430#	139
56																					140
57																					141
58																					142
59																					143
							Job						Cont. No.					Part No.		Sht. 2	
60																					144
61		374	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									145
62		71	#3	3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									146
63		42	#3	5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									147
64																					148
65																					149
66																					150
67																					151
68																					152
69																					153
70		4	#6	13-9	L	602	1-0	12-9										#3		796#	154
71																		#6		83#	155
72																		#7		2845#	156
73		100	#7	13-11	L	704	1-2	12-9										#8		494#	157
74																				4218#	158
75																					159
76		8	#8	15-7	L	804	1-4	14-3													160
77		4	#8	15-1	L	805	1-4	13-9													161
78																					162
79																					163
80																					164
81																					165
82																					166
83																					167
84																					168

BUILDING 2
THIRD FLOOR COLUMNS

#3 - GRADE 40
ALL OTHER - GRADE 60

BUILDING 2
FOURTH FLOOR COLUMNS

BUILDING 2
FIFTH FLOOR COLUMNS

Office

WATRY ENGINEERING INCORPORATED

Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.

☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Rejected-Resubmit

By: [signature] Date: 3/20/82

JOB NAME WATERFRONT TOWERS CONT. NO. 2C-1C DRWG. NO. 15

PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	440	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									85
2	160		1-5		302	0-4	0-9	0-4												86
3	20		4-4		303	0-4	0-11	0-11	0-11	0-11	0-4									87
4	60		3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									88
5	52		5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									89
6	52	#3	4-5		307	0-4	0-11¼	0-11¼	0-11¼	0-11¼	0-4									90
7																				91
8																				92
9																				93
10																				94
11																				95
12	68	#7	17-1		701	2-1	1-0	14-0					0-2							96
13																				97
14	8	#8	17-8		801	2-8	1-6	13-6					0-2¼							98
15	8	#8	21-7		802	2-8	1-6	17-5					0-2¼							99
16	8	#8	23-3		803	2-8	1-6	19-1					0-2¼							100
17																	#3	1114	#	101
18	48	#9	18-4		901	3-4	1-6	13-6					0-2½				#7	2374	#	102
19																	#8	1335	#	103
20																	#9	2991	#	104
21																	#10	331	#	105
22	4	#10	19-3		1001	4-3	1-6	13-6					0-4½					8145	#	106
23																				107
24						BUILDING 1														108
25						FIRST FLOOR COLUMNS															109
26																				110
						Job				Cont. No.							Part No.		Sht. 1	
27																				111
28																				112
29																				113
30																				114
31																				115
32																				116
33																				117
34																				118
35	374	#3	4-4		301	0-4	0-9	1-1	0-9	1-1	0-4									119
36	136		1-5		302	0-4	0-9	0-4												120
37	71		3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									121
38	42		5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									122
39	42	#3	4-5		307	0-4	0-11¼	0-11¼	0-11¼	0-11¼	0-4									123
40																				124
41	68	#7	15-0		702	2-1	1-0	11-11					0-2							125
42																				126
43																				127
44																				128
45	12	#8	15-7		802	2-8	1-6	11-5					0-2¼				12	#8	15-7	129
46																				130
47																				131
48																				132
49	32	#9	16-4		902	3-4	1-6	11-5					0-2½				16	#9	16-3	133
50																				134
51																				135
52																	#3		939#	136
53	4	#10	17-2		1002	4-3	1-6	11-5					0-2½				#7	2	085#	137
54																	#8		998	138
55																	#9	2	661	139
56																	#10		296	140
57						BUILDING 1												6	979#	141
58						SECOND FLOOR COLUMNS															142
59																				143
						Job				Cont. No.							Part No.		Sht. 2	
60																				144
61	374	#3	4-1		301	0-4	0-9	1-1	0-9	1-1	0-4									145
62	71	#3	3-8		304	0-4	0-9	0-9	0-9	0-9	0-4									146
63	42	#3	5-8		305	0-4	1-3	1-3	1-3	1-3	0-4									147
64																				148
65																				149
66																				150
67																				151
68	4	#6	14-6		601	1-7	1-0	11-11					0-1½							152
69																				153
70	68	#7	15-0		702	2-1	1-0	11-11					0-2							154
71																				155
72																				156
73	12	#8	15-7		802	2-8	1-6	11-5					0-2¼				#3		761	157
74	32	#8	15-0		803	2-1	1-6	11-5					0-2¼				#6		87	158
75																	#7	2	085	159
76																	#8	1	781	160
77																		4	714#	161
78																				162
79																				163
80						BUILDING 1														164
81						THIRD FLOOR COLUMNS															165
82																				166
83																				167
84																				168

#3 - GRADE 40
ALL OTHER - GRADE 60

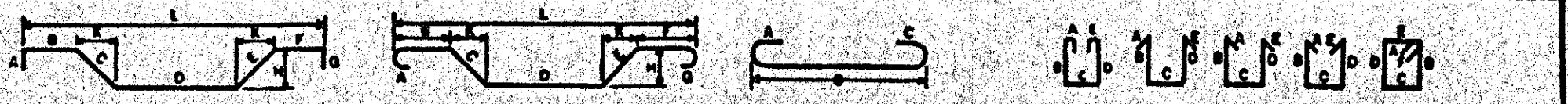
WATHY ENGINEERING INCORPORATED

Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.

☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit

By: JWW Date: 3/26/82

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 10A



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH
1																			
2																			
3																			
4	374	#3	4-1	⌐	301	0-4	0-9	1-1	0-9	1-1	0-4								
5	71	#3	3-8	⌐	304	0-4	0-9	0-9	0-9	0-9	0-4								
6	42	#3	5-8	⌐	305	0-4	1-3	1-3	1-3	1-3	0-4								
7																			
8																			
9																			
10																			
11																			
12																			
13	4	#6	14-6	~	601	1-7	1-0	11-11				0-1½							
14																			
15																			
16	100	#7	15-0	~	702	2-1	1-0	11-11				0-2							
17																			
18																			
19	12	#8	15-7	~	802	2-8	1-6	11-5				0-2¼					#3		761#
20																	#6		87#
21																	#7		3066#
22																	#8		499#
23					BUILDING 1														4413#
24					FOURTH FLOOR COLUMNS														
25																			
26																			
					Job					Cont. No.							Part No.		Shi. 1
27																			
28																			
29																			
30																			
31																			
32																			
33																			
34	374	#3	4-1	⌐	301	0-4	0-9	1-1	0-9	1-1	0-4								
35	71	#3	3-8	⌐	304	0-4	0-9	0-9	0-9	0-9	0-4								
36	42	#3	5-8	⌐	305	0-4	1-3	1-3	1-3	1-3	0-4								
37																			
38																			
39																			
40	4	#6	13-9	L	602	1-0	12-9												
41																			
42	100	#7	13-11	L	703	1-2	12-9												
43																			
44																			
45	8	#8	15-7	L	804	1-4	14-3												
46	4	#8	15-1	L	805	1-4	13-9												
47																			
48																			
49																	#3		761#
50																	#6		83
51																	#7		2845
52																	#8		494
53					BUILDING 1														4183#
54					FIFTH FLOOR COLUMNS														
55																			
56																			
57																			
58																			
59																			
					Job					Cont. No.							Part No.		Shi. 2
60																			
61																			
62																			
63																			
64																			
65																			
66																			
67																			
68																			
69																			
70																			
71																			
72																			
73																			
74																			
75																			
76																			
77																			
78																			
79																			
80																			
81																			
82																			
83																			
84																			

#3 - GRADE 40
ALL OTHER - GRADE 60

WATRY ENGINEERING INCORPORATED

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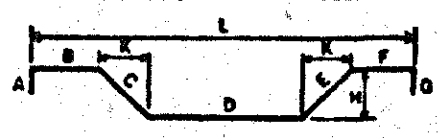
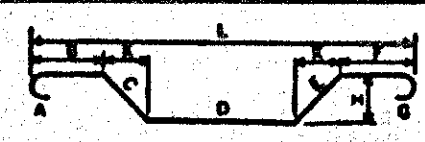
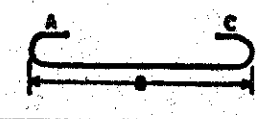
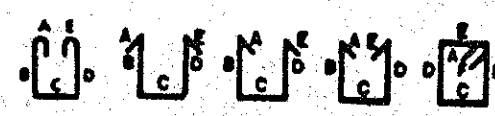
☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit

By: [signature] Date: 3/26/82

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 10B

PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1																				85
2																				86
3																				87
4															GR	A.O.	A.O.	#A	20-0	88
5																				89
6										#4		534#								90
7										#5		42#								91
8										#6		550#								92
9	A	#5	10-0	L	501	0-10	9-2			#7		2902#								93
10										#8		860#								94
11										#9		257#								95
12	36	#6	10-2	L	601	1-0	9-2			#11		52351#								96
13												57496#								97
14																				98
15	130	#7	10-11	L	701	1-2	9-7													99
16																				100
17																				101
18	28	#8	11-6	L	801	1-4	10-2													102
19																				103
20	6	#9	12-7	L	901	1-7	11-0													104
21																				105
22	639	#11	15-5	L	1101	2-0	13-5													106
23																				107
24																				108
25																				109
26																				110

GRADE 60
U.O.N.

SHEAR WALL DOWELS

Job _____ Cont. No. _____ Part No. _____ Sht. 1

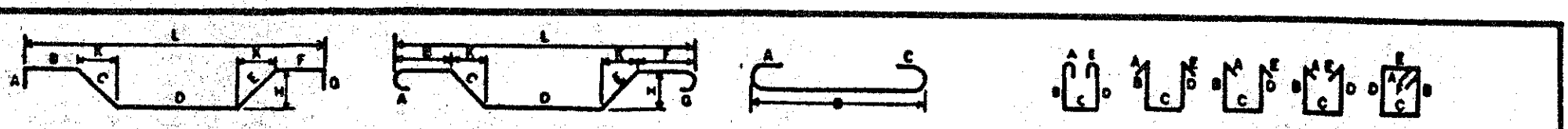
27																				111
28																				112
29																				113
30																				114
31																				115
32																				116
33																				117
34																				118
35																				119
36																				120
37																				121
38																				122
39																				123
40																				124
41																				125
42																				126
43																				127
44																				128
45																				129
46																				130
47																				131
48																				132
49																				133
50																				134
51																				135
52																				136
53																				137
54																				138
55																				139
56																				140
57																				141
58																				142
59																				143

Job _____ Cont. No. _____ Part No. _____ Shr. 2

60																				144
61																				145
62																				146
63																				147
64																				148
65																				149
66																				150
67																				151
68																				152
69																				153
70																				154
71																				155
72																				156
73																				157
74																				158
75																				159
76																				160
77																				161
78																				162
79																				163
80																				164
81																				165
82																				166
83																				167
84																				168

WATRY ENGINEERING INCORPORATED
Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.
☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit
By: _____ Date: 3/26/82

JOB NAME WATERMARK TOWERS CONT. NO. 82-12 DRWG. NO. A4



	PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1		3	#3	3-4		301	0-4	0-8	0-8	0-8	0-8	0-4						8	#4	2-0	85
2		9		4-11		302	0-4	1-0¾	1-0¾	1-0¾	1-0¾	0-4									86
3		9		3-0		303	0-4	0-7	0-7	0-7	0-7	0-4									87
4		42		3-8		304	0-4	0-7	0-11	0-7	0-11	0-4									88
5		24		3-6		305	0-4	0-6½	0-10½	0-6½	0-10½	0-4									89
6		362		3-4		306	0-4	0-6	0-10	0-6	0-10	0-4									90
7		419		2-8		307	0-4	0-6	0-6	0-6	0-6	0-4						200	#5	3-0	91
8		21	#3	4-8		310	0-4	0-6	1-6	0-6	1-6	0-4						24		25-2	92
9																		4		17-6	93
10		14	#4	12-9		401	0-4½	4-6	3-0	4-6	0-4½							6		21-4	94
11		8	#4	5-0		402	0-6	4-6										32		9-4	95
12																		8		16-0	96
13																		4		17-0	97
14																		8		24-0	98
15		8	#5	39-10		501	1-3	37-4	1-3									4		27-0	99
16		4		32-6		502	1-3	31-3										4		23-0	100
17		14		21-0		503	1-3	19-9										4		15-0	101
18		8		9-6		504	1-3	8-3										4	#5	5-6	102
19		2		17-3		505	1-3	16-0													103
20		8		9-11		506	1-3	8-8													104
21		4	#5	32-11		507	1-3	31-8													105
22																					106
23																					107
24																					108
25																					109
26																					110
							Job				Cont. No.							Part No.		Shr. 1	
27		28	#6	11-6		601	2-6	6-6	2-6									14	#6	6-6	111
28		4	#6	35-2		602	1-6	31-8										4		19-0	112
29																		4		23-6	113
30																		8		30-0	114
31																		4		8-0	115
32																		4	#6	22-6	116
33																					117
34																					118
35		68	#7	5-1		701	1-2	3-11													119
36																					120
37																					121
38																					122
39																					123
40																					124
41																					125
42		16	#8	8-7		801	1-4	7-3													126
43		8	#8	9-7		802	1-4	8-3													127
44																					128
45																					129
46																					130
47																		1	#7	1-2	131
48																		1		2-2	132
49		48	#9	6-9		901	1-7	5-2										1		3-1	133
50		4	#9	27-0		902	3-0	24-0						0-7	2-11			1		4-1	134
51																		1		5-0	135
52																		1		5-11	136
53																		2		6-6	137
54		4	#10	10-8		1001	1-10	8-10										2		5-6	138
55																		2		6-10	139
56																		2		6-3	140
57																		2		5-3	141
58																		2		4-4	142
59																		2		3-4	143
							Job				Cont. No.							Part No.		Shr. 2	
60																		2		2-5	144
61		640	3"	DOBIES														2		1-6	145
62		120	1"	DOBIES														4		34-0	147
63																		4		32-0	147
64																		4		26-0	148
65																		4	#7	30-0	149
66																					150
67																					151
68																					152
69																					153
70				#3 #4 - GR. 40									#3	1031 #							154
71				ALL OTHER - GR 60									#4	162 #							155
72													#5	3582 #							156
73													#6	1619 #							157
74													#7	1919 #							158
75													#8	571 #							159
76													#9	1469 #							160
77													#10	184 #							161
78														10537 #							162
79																					163
80																					164
81																					165
82																					166
83																					167
84																					168

BUILDING 1
PILE CAPS & BEAMS

WATRY ENGINEERING INCORPORATED

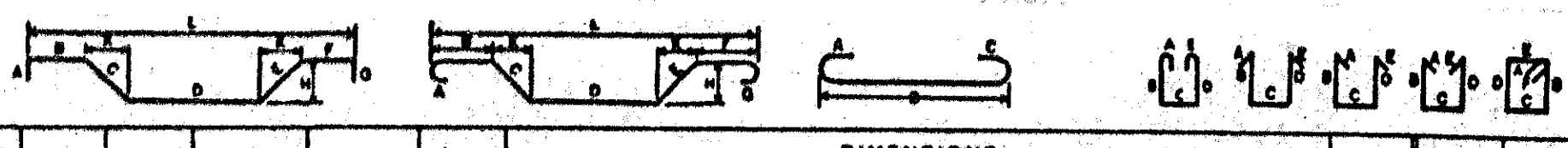
Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.

☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit

By MW Date: 3/25/82

RECEIVED
MAR 12 1982
WATRY ENGINEERING INC.

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 5A



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1																	12	#4	20-0	85
2																				86
3																				87
4																				88
5																				89
6	30	#5	9-2	L	501	1-0	8-2													90
7	10	|	4-5	L	502	1-0	3-5													91
8	6	|	8-1	L	503	1-0	7-1													92
9	28	|	13-1	L	504	1-0	12-1													93
10	10	|	11-2	⊔	505	1-0	9-2	1-0												94
11	10	#5	10-8	⊔	506	1-0	9-0	0-8												95
12																				96
13																				97
14																				98
15																				99
16																				100
17	6	#7	6-0	L	702	1-2	4-10													101
18	52	|	5-1	L	703	1-0	4-1													102
19	2	|	8-11	L	704	1-2	7-9													103
20	16	#7	10-0	L	705	1-2	8-10													104
21																				105
22																				106
23																				107
24																				108
25																				109
26																				110
						Job						Cont No				Part No			Sht. 1	
27																				111
28	215	#11	15-5	L	1101	2-0	13-5													112
29	108	|	12-4	L	1102	2-0	12-4													113
30	88	|	19-4	L	1103	2-0	17-4													114
31	5	|	9-8	L	1105	1-0	8-8													115
32	6	#11	18-4	⌐	1106	1-0	9-0	1-6	6-10					6-3						116
33																				117
34																				118
35																				119
36																				120
37																				121
38																				122
39																				123
40																				124
41																				125
GR 40 42	20	#4	6-1	⊔	401	2-5	1-3	2-5												126
43	10	|	5-9	⊔	402	1-0	3-9	1-0												127
44	40	|	2-0	⊔	403	0-4½	1-3	0-4½												128
45	20	|	4-7	⊔	404	1-8	1-3	1-8												129
46	10	|	4-3	⊔	405	1-0	2-3	1-0												130
47	10	|	4-9	⊐	406	0-4½	0-9	1-3	0-9	1-3	0-4½									131
48	5	#4	5-5	⊐	407	0-4½	1-1	1-3	1-1	1-3	0-4½									132
49																				133
50																				134
51																				135
52																				136
GR 40 53	12	#3	1-11	⊔	301	0-4	0-11	0-8												137
54																				138
55																				139
56																				140
57																				141
58																				142
59																				143
						Job						Cont No				Part No			Sht. 2	
60	10	#6	13-5	L	602	1-0	12-5													144
61	24	#6	8-8	L	603	1-0	7-8													145
62	10	#6	26-8	⊔	604	1-0	24-8	1-0												146
63																				147
64																				148
65																				149
66																				150
67																				151
68																				152
69																				153
70	44	#8	5-4	L	802	1-0	4-4													154
71	12	|	24-8	⊔	803	1-0	24-8	1-0												155
72	22	|	14-6	L	804	1-4	13-2													156
73	16	#8	13-0	⌙	805	1-4	10-4	1-4												157
74																				158
75																				159
76																				160
77																				161
78																				162
79																				163
80																				164
81																				165
82																				166
83																				167
84																				168

office

WATHY ENGINEERING INCORPORATED

Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.

☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit

By: JWW Date: 3/11/82

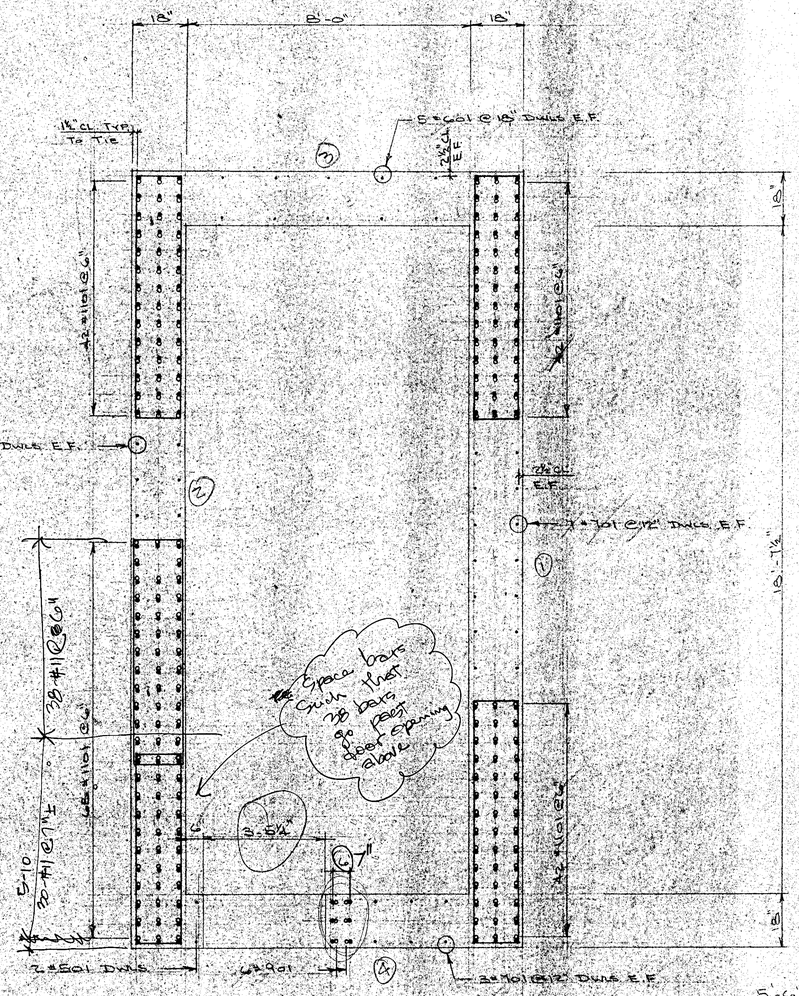
REVISED 3-11-82

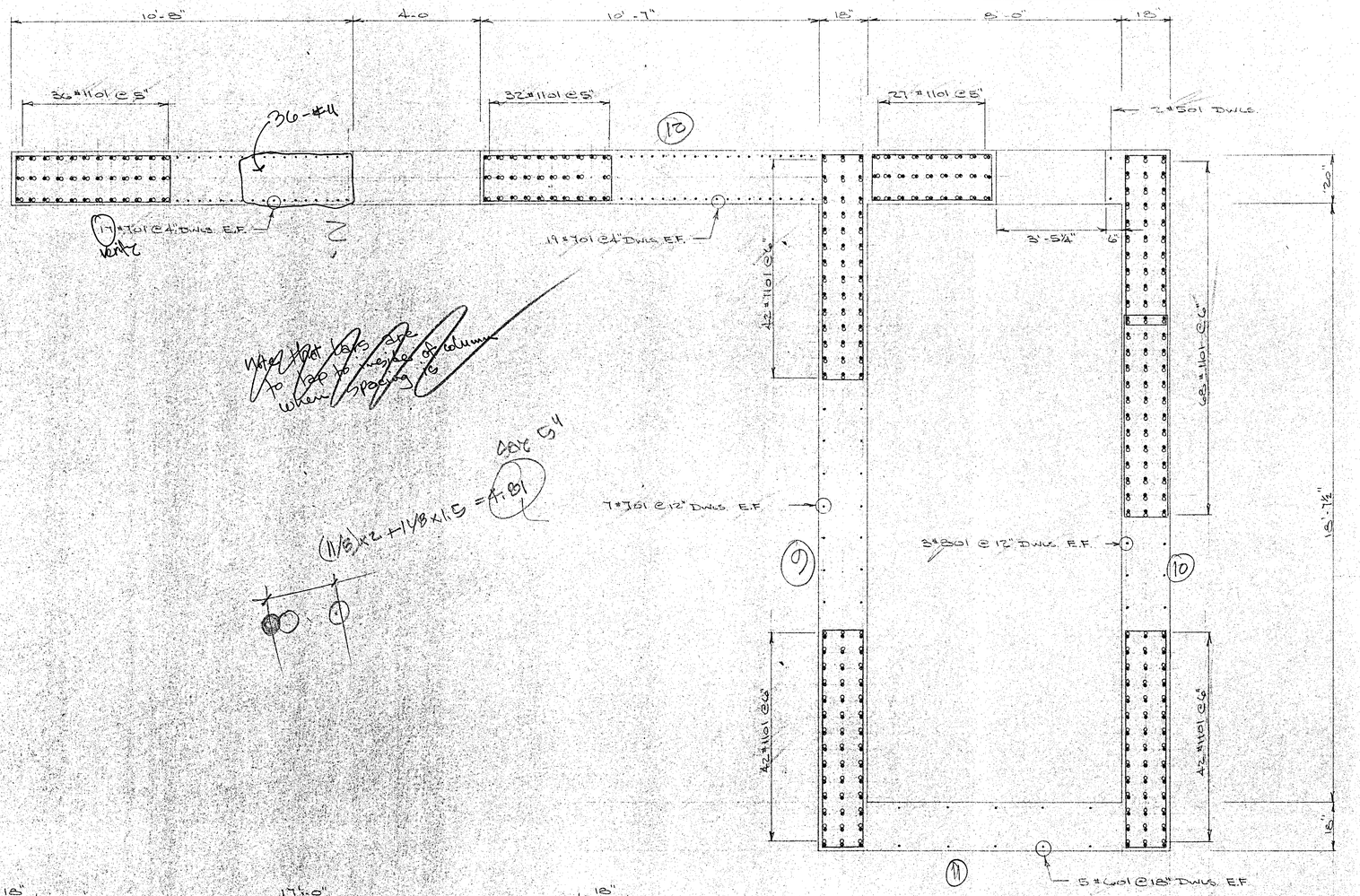
BLDG 1
SHEAR WALL DOWELS

#3	9#	
#4	473#	
#5	992#	
#6	915#	
#7	967#	
#8	2888#	
#11	35716#	
	41971#	

GRADE 60
U.O.N.

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 8A

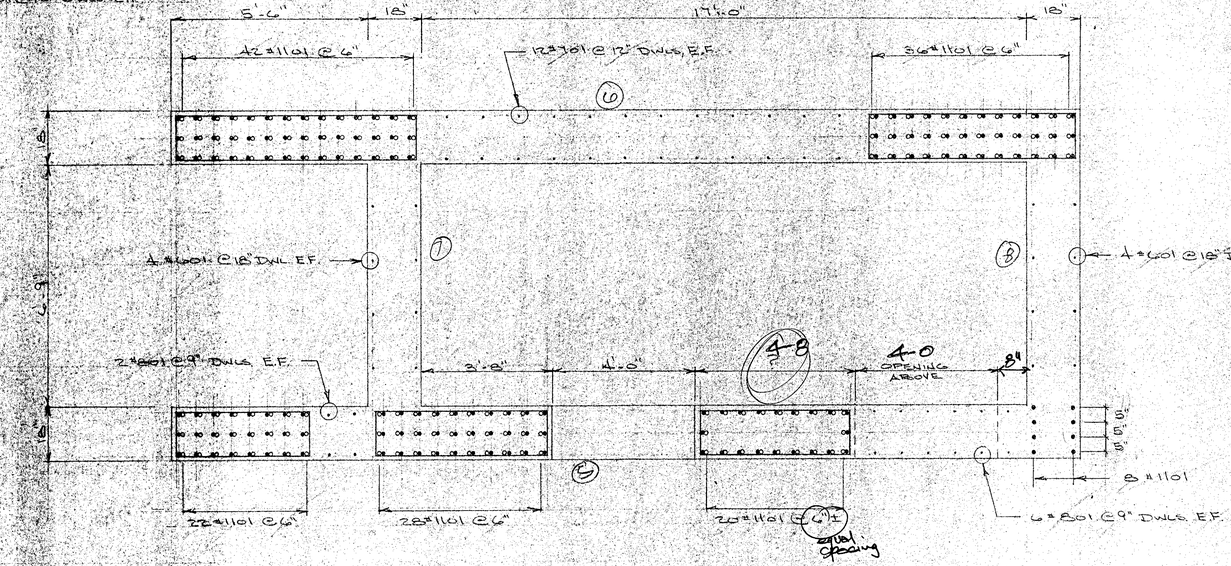




Space bars such that 28 bars go past door opening above

(11/8)x2 + 1 1/8 x 1.5 = 4.81

4@6" 5#



office

WATRY ENGINEERING INCORPORATED

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☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit
By: [illegible] Date: 3/26/82

RECEIVED
FEB 17 1982
WATRY ENGINEERING INC.

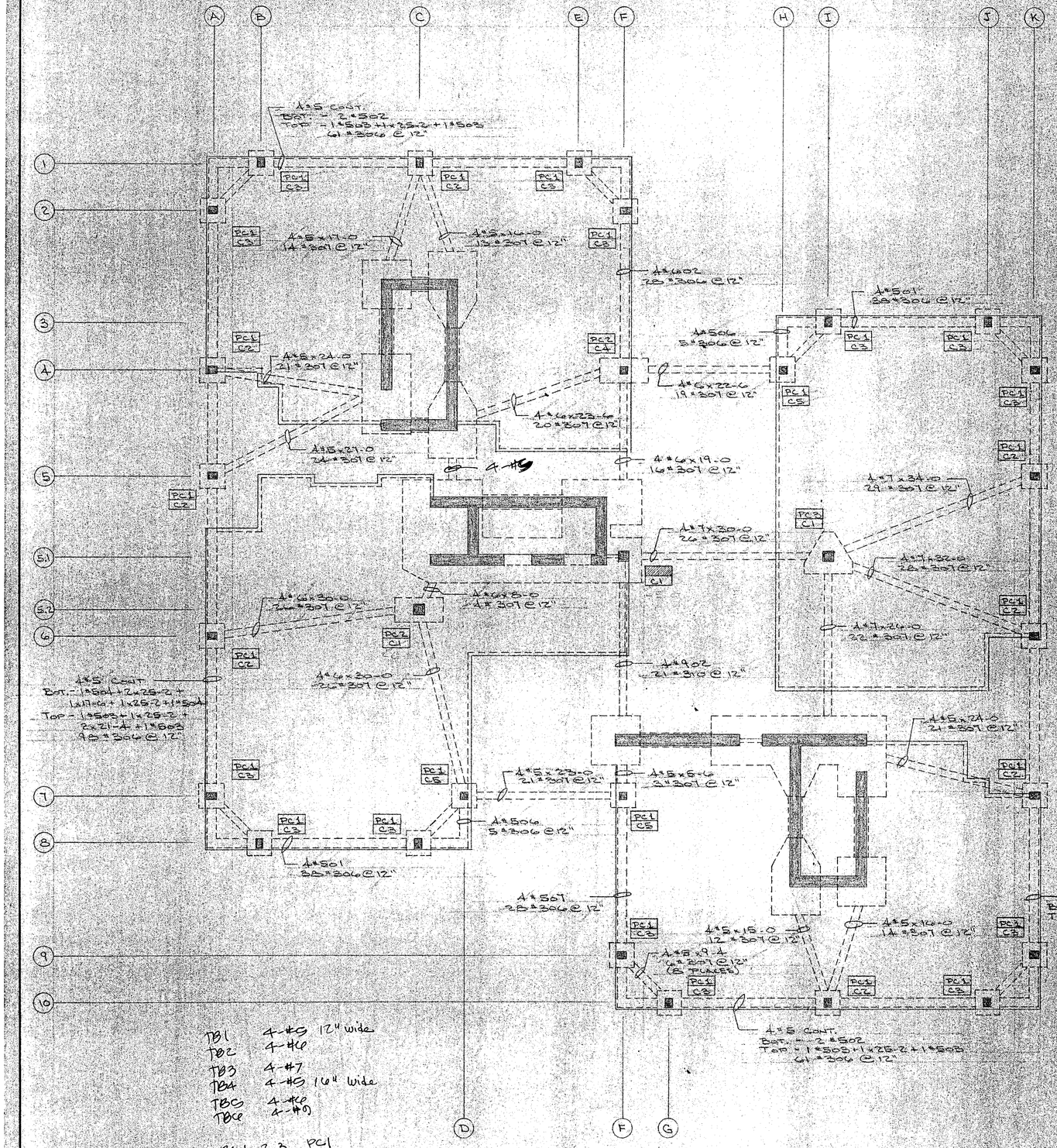
WATERFRONT TOWERS
STOCKTON, CA

82-12

SCALE	REVISIONS	BY	DATE
DATE 2-9-82			
DR. N CKD.			
APVD.			

TITLE: Plans & Section Wall Dwls

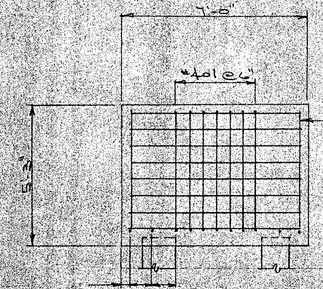
NO: Dwls 4



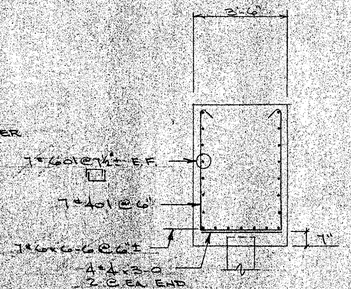
TB1 4-#5 12" wide
TB2 4-#6
TB3 4-#7
TB4 4-#5 16" Wide
TB5 4-#6
TB6 4-#9

PG1, 2, 3 PC1
PG4 PC2
PG5 PC3

PLAN

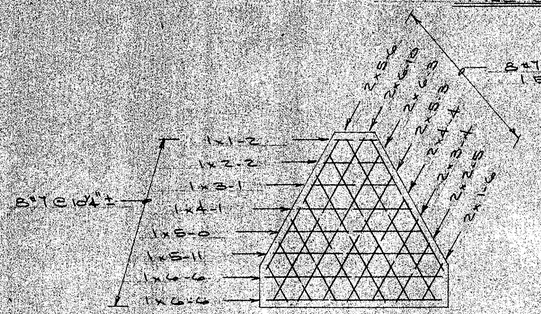


ELEVATION

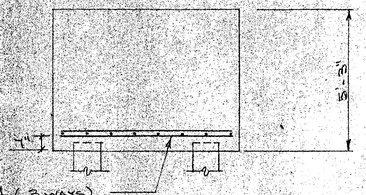


SECTION

PILE CAP PC 2



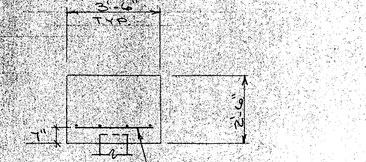
PLAN



SECTION

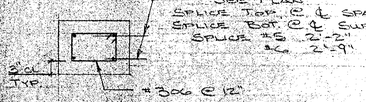
PILE CAP PC 3

COLUMN SCHEDULE				
	COLUMN	TYPE	DOWEL	TIES
C3	A2, A7, B1, B6, C6, E1, F2, F9, G10, J3, J8, J10, K4, K9	C3	4-#901	8-#305
C2	A4, A5, A6, C1, I10, K5, K6, K7	C2	4-#901	3-#305
C1	C5.2, I5.1	C1	8-#801	2-#302
C1	F5.1	C1	8-#802	3-#302
C4	F4	C4	4-#1001	3-#301
C5	D7, F7, H4	C5	4-#701	3-#303

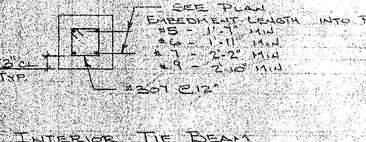


SECTION

PILE CAP PC 1



TYP EXTERIOR TIE BEAM



TYP. INTERIOR TIE BEAM

office
WATRY ENGINEERING INCORPORATED
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☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit
By: JAW Date: 3/26/82

RECEIVED
MAR 12 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS 82-12
STOCKTON, CA

SCALE	REVISIONS	BY	DATE
DATE 2-3-82			
DR'N. CKD. GD			
AP'VD.			

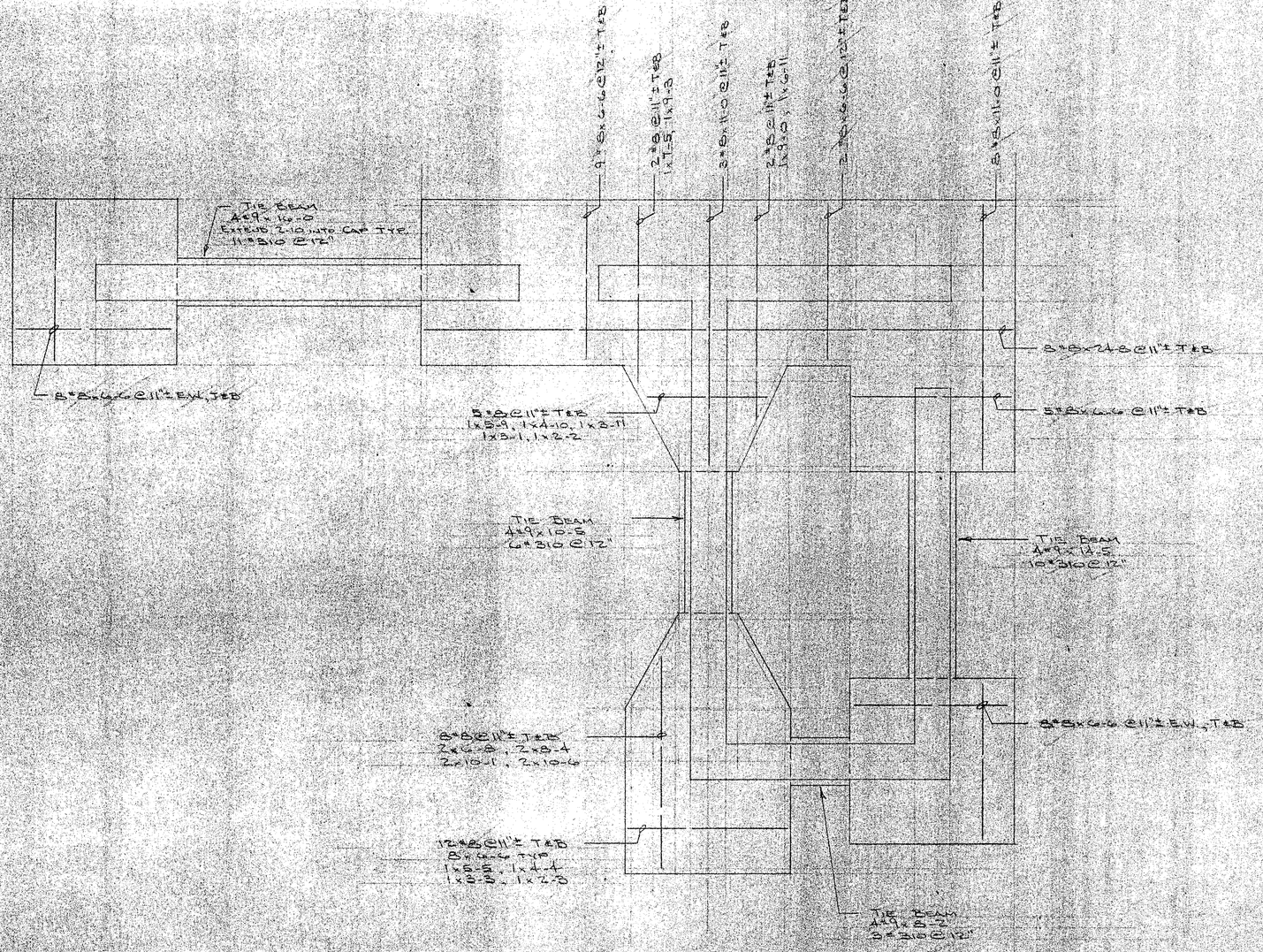
TITLE: BLDG 1 - PILE CAPS & BEAMS
NO.: DWG S

BRUNING 40-105

JOB WATERFRONT TOWERS
LOCATION STOCKTON CA
SECTION Block 1 Pile Cap (Stage 2)
DRWG. NO. 7 DATE 3-2-82 JOB # 82-12

CAMBLIN STEEL SERVICE
SACRAMENTO CALIFORNIA
PHONE 922-6561

CONTRACTOR SUPERSTRUCTURE
ARCHITECT
DETAILED BY G.B.
ERECTED BY



Office
WILTRY ENGINEERING INCORPORATED
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☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit
By: [illegible] Date: 3/29/82

PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
GRADE 60	30	#3	1-8		210	0-4	0-6	1-6	0-6	1-6	0-4									85
																				86
																				87
																				88
GRADE 60	18	#4	10-4		A01	0-4	4-1	0-5	4-1	1-5										89
GRADE 60	10	#4	12-6		A02	0-4	5-2	0-5	5-2	1-5										90
																				91
																				92
																				93
																				94
																				95
																				96
																				97
																				98
																				99
																				100
																				101
	160	5"	DOWELS								#3	133#								102
	66	1"	DOWELS								#4	525#								103
											#3	1285#								104
											#9	6607#								105
												8610#								106
																				107
																				108
																				109
																				110

GRADE 60
(U.O.N.)

Job Cont. No. Part No. Sht 1

				111
4	#9	14-5		112
4	1	10-5		113
4		8-2		114
4	#9	16-0		115
				116
				117
				118
				119
				120
				121
				122
				123
				124
				125
				126
				127
				128
				129
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				131
				132
				133
				134
				135
				136
				137
				138
				139
				140
				141
				142
				143

Job Cont. No. Part No. Sht 2

				144
				145
				146
				147
				148
				149
				150
				151
				152
				153
				154
				155
				156
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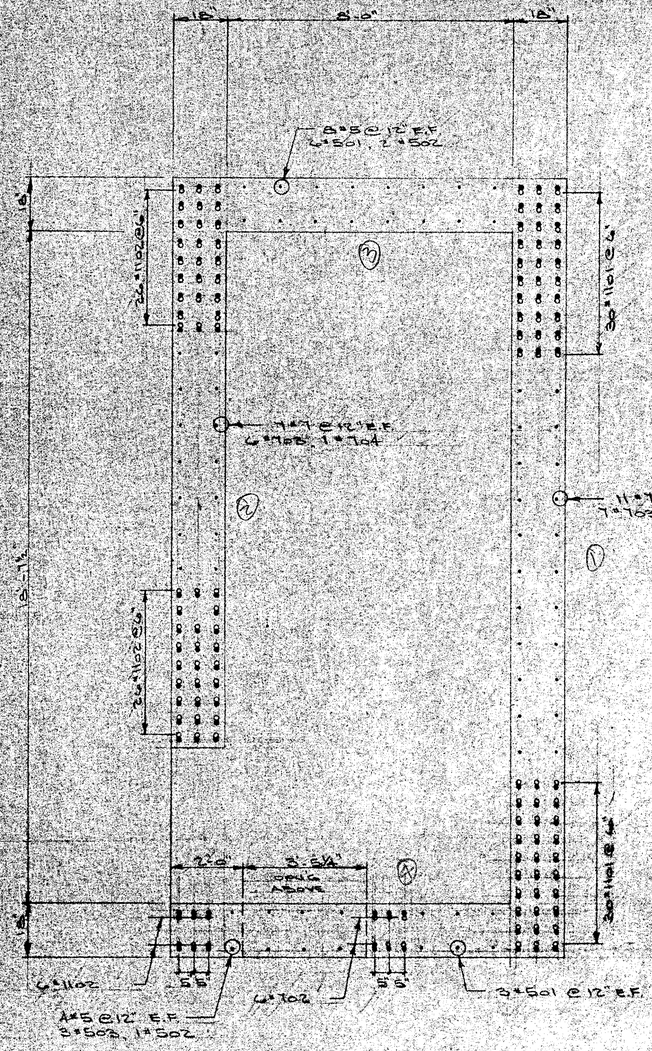
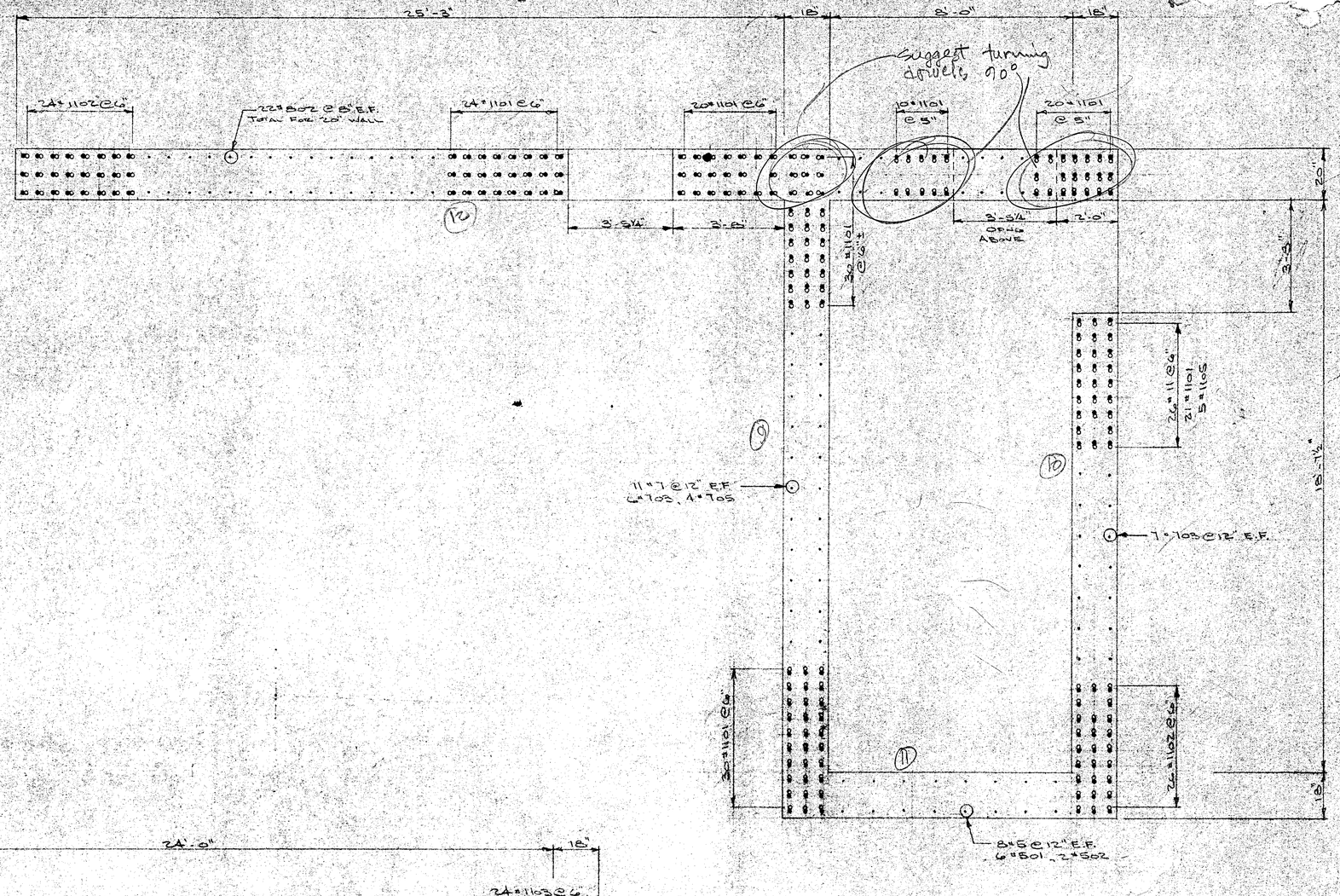
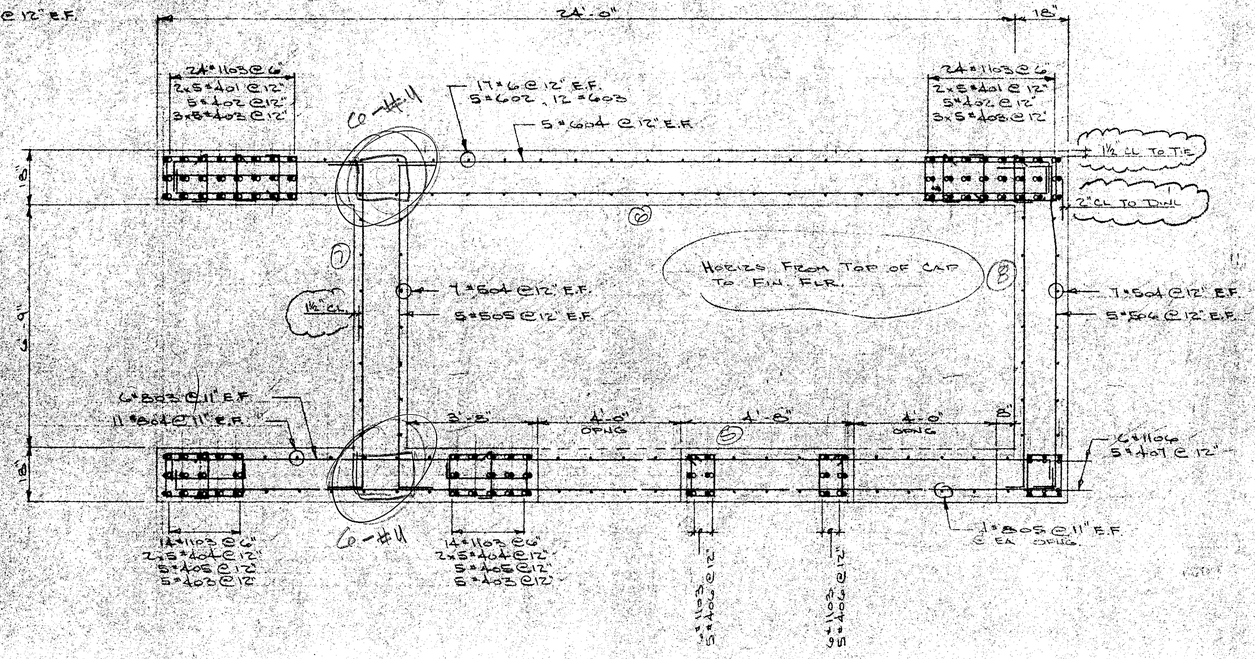
				167
				168

RECEIVED
MAR 12 1982
WILTRY ENGINEERING INC.

JOB NAME CONT. NO. DRWG. NO.







Office

WATRY ENGINEERING INCORPORATED

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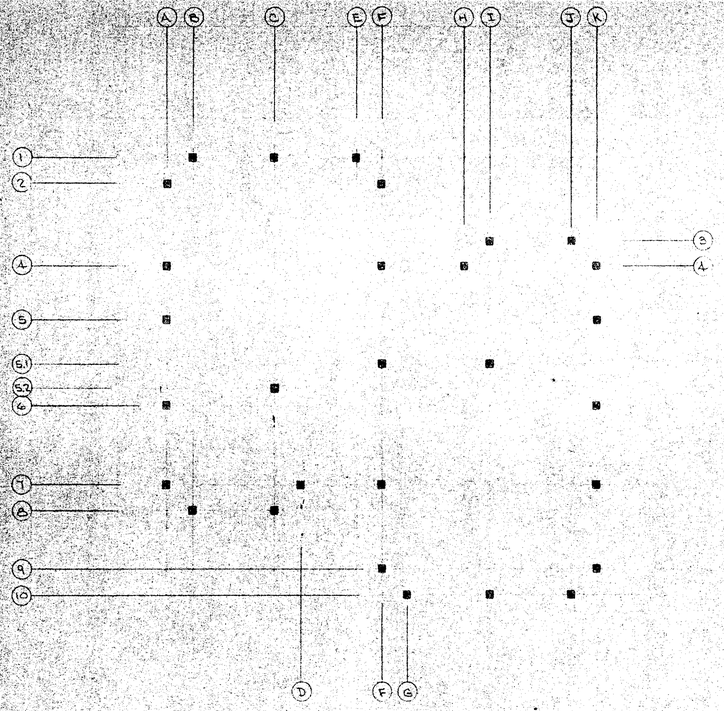
- ☐ No Exceptions Taken
- ☒ Make Corrections Noted
- ☐ Revise and Resubmit

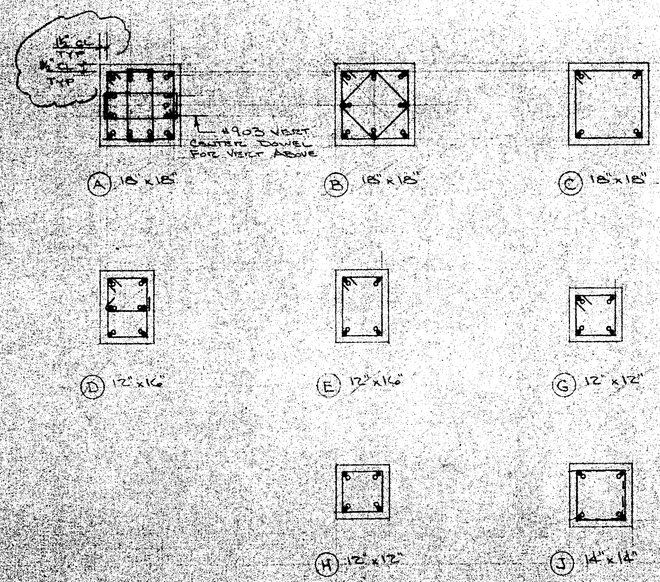
By: [illegible] Date: 3/26/02

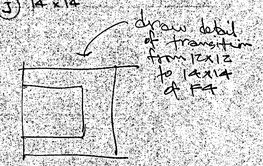
RECEIVED
MAR 2 1 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS STOCKTON, CA	82-12
SCALE	REVISIONS / BY / DATE
DATE 3-10-82	
DR'N CSD CKD	
APVD	
TITLE BUILDING 1 SHEAR WALL DOWELS	NO Dwg E



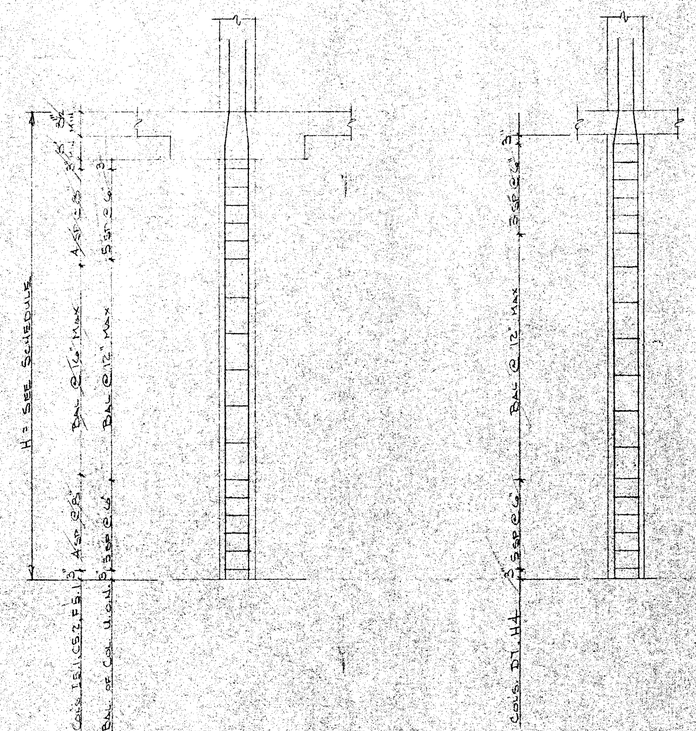
KEY PLAN





COLUMN SECTIONS

FLOOR	COLUMN	SECTION	VERTICALS	TIES
BSMT. H=10'-1" C2	A4, A5, A6, C1 I10, K5, K6, K7	D	6#901	15#301, 15#302
C3	A2, A7, B1, B8 C8, E1, F2, F9 G10, I3, J3 J10, K4, K9	E	4#701	15#301
C4	F4	J	4#1001	15#303
C5	D7, F7, H4	H	4#701	15#304
C1	I5.1, C5.2 F5.1	A	4#902 4#9x12-8 4#903	12#305 2x12#306
FIRST H=14'-0"	A4, A5, A6, C1 I10, K5, K6, K7	D	6#904	18#301, 18#302
	A2, A7, B1, B8 C8, E1, F2, F9 G10, I3, J3 J10, K4, K9	E	4#702	18#301
	F4	J	4#1002	18#303
	D7, F7, H4	H	4#702	19#304
	I5.1, C5.2, F5.1	B	8#801	15#305, 15#307
SECOND H=13'-0"	A4, A5, A6, C1 I10, K5, K6, K7	D	6#905	17#301, 17#302
	A2, A7, B1, B8 C8, E1, F2, F9 G10, I3, J3 J10, K4, K9	E	4#703	17#301
	F4	G	4#1003	17#304
	D7, F7, H4	H	4#703	18#304
	I5.1, C5.2, F5.1	B	4#802 4#8x15-7	14#305, 14#307
THIRD H=13'-0"	A4, A5, A6, C1 I10, K5, K6, K7	E	4#803	17#301
	A2, A7, B1, B8 C8, E1, F2, F9 G10, I3, J3 J10, K4, K9	E	4#703	17#301
	F4	G	4#601	17#304
	D7, F7, H4	H	4#703	18#304
	I5.1, C5.2, F5.1	C	4#802	14#305
FOURTH H=13'-0"	A4, A5, A6, C1 I10, K5, K6, K7	E	4#703	17#301
	A2, A7, B1, B8 C8, E1, F2, F9 G10, I3, J3 J10, K4, K9	E	4#703	17#301
	F4	G	4#601	17#304
	D7, F7, H4	H	4#703	18#304
	I5.1, C5.2, F5.1	C	4#802	14#305
FIFTH EXT. COL. H=13'-0"	A4, A5, A6, C1 I10, K5, K6, K7	E	4#704	17#301
	A2, A7, B1, B8 C8, E1, F2, F9 G10, I3, J3 J10, K4, K9	E	4#704	17#301
	F4	G	4#602	17#304
	D7, F7, H4	H	4#704	18#304
	C5.2, F5.1	C	4#804	14#305
	I5.1	C	4#805	14#305



TYPICAL DETAILS

Office

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☐ No Exceptions Taken
☒ Make Corrections Noted
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By: [signature] Date: 3/20/82

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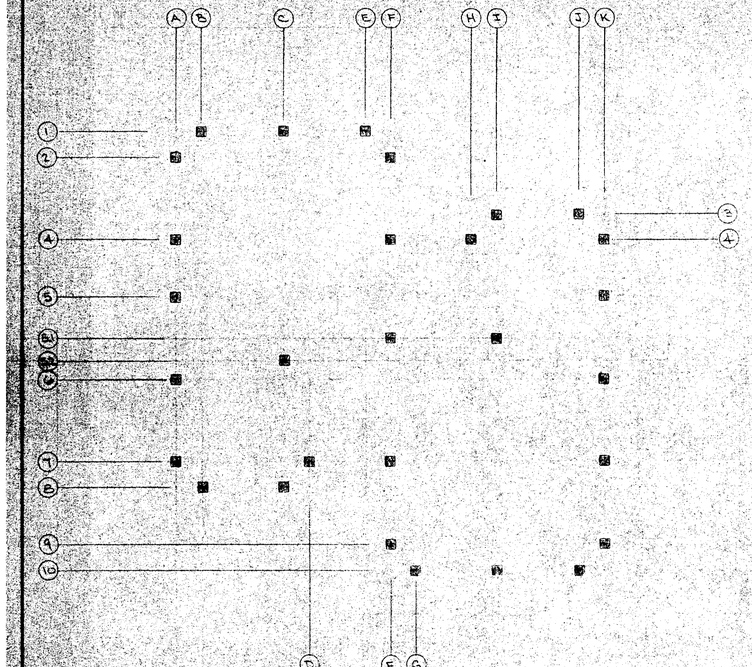
WATERFRONT TOWERS 82-12
STOCKTON, CA

SCALE	REVISIONS	BY	DATE
DATE 3-12-82			
DR'N G.D. CKD.			
APVD.			

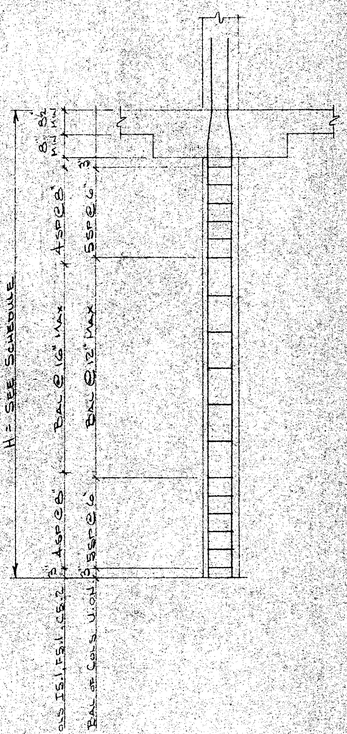
TITLE BLDG 2 - COLUMNS NO. DWG 9

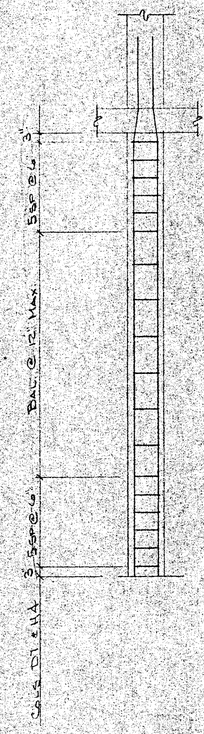
BRUNING 40-105



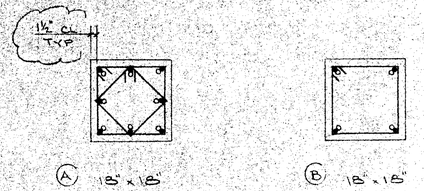
KEY PLAN

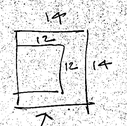
FLOOR	COLUMN	SECTION	VERTICALS	TIES
FIRST H=14'-1" @F5.1-19.5' @C5.2-20.8'	A4, A5, A6, C1, I10, K5, K6, K7	C	4 #9 01	20 #3 01, 20 #3 02
	A2, A7, B1, B8, E1, F2, F9, G10, C8, I3, J3, J10, K4, K9	D	4 #7 01	20 #3 01
C4	F4	F	4 #10 01	20 #3 03
C5	D7, F7, H4	E	4 #7 01	20 #3 04
C1	I5.1	A	8 #8 01	15 #3 05, 15 #3 07
C1	F5.1	A	8 #8 02	18 #3 05, 18 #3 07
C1	C5.2	A	8 #8 03	19 #3 05, 19 #3 07
SECOND H=13'-0"	A4, A5, A6, C1, I10, K5, K6, K7	C	4 #9 02, 2 #9 x 16'-3	17 #3 01, 17 #3 02
	A2, A7, B1, B8, E1, F2, F9, G10, C8, I3, J3, J10, K4, K9	D	4 #7 02	17 #3 01
	F4	E	4 #10 02	17 #3 04
	D7, F7, H4	E	4 #7 02	18 #3 04
	I5.1, F5.1, C5.2	A	4 #8 02, 4 #8 x 15'-7	14 #3 05, 14 #3 07
THIRD H=13'-0"	A4, A5, A6, C1, I10, K5, K6, K7	D	4 #9 03	17 #3 01
	A2, A7, B1, B8, E1, F2, F9, G10, C8, I3, J3, J10, K4, K9	D	4 #7 02	17 #3 01
	F4	E	4 #10 01	17 #3 04
	D7, F7, H4	E	4 #7 02	18 #3 04
	I5.1, F5.1, C5.2	A	4 #8 02	14 #3 05
FOURTH H=13'-0"	A4, A5, A6, C1, I10, K5, K6, K7	D	4 #7 02	17 #3 01
	A2, A7, B1, B8, E1, F2, F9, G10, C8, I3, J3, J10, K4, K9	D	4 #7 02	17 #3 01
	F4	E	4 #10 01	17 #3 04
	D7, F7, H4	E	4 #7 02	18 #3 04
	I5.1, F5.1, C5.2	A	4 #8 02	14 #3 05
FIFTH H=12'-0" VARIES @ F5.1, C5.2 I5.1	A4, A5, A6, C1, I10, K5, K6, K7	D	4 #7 03	17 #3 01
	A2, A7, B1, B8, E1, F2, F9, G10, C8, I3, J3, J10, K4, K9	D	4 #7 03	17 #3 01
	F4	E	4 #10 02	17 #3 04
	D7, F7, H4	E	4 #7 03	18 #3 04
	F5.1, C5.2	A	4 #8 04	14 #3 05
	I5.1	A	4 #8 05	14 #3 05





TYPICAL DETAILS





draw detail for transition from 12x12 to 14x14 for C4

COLUMN SECTIONS

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☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit

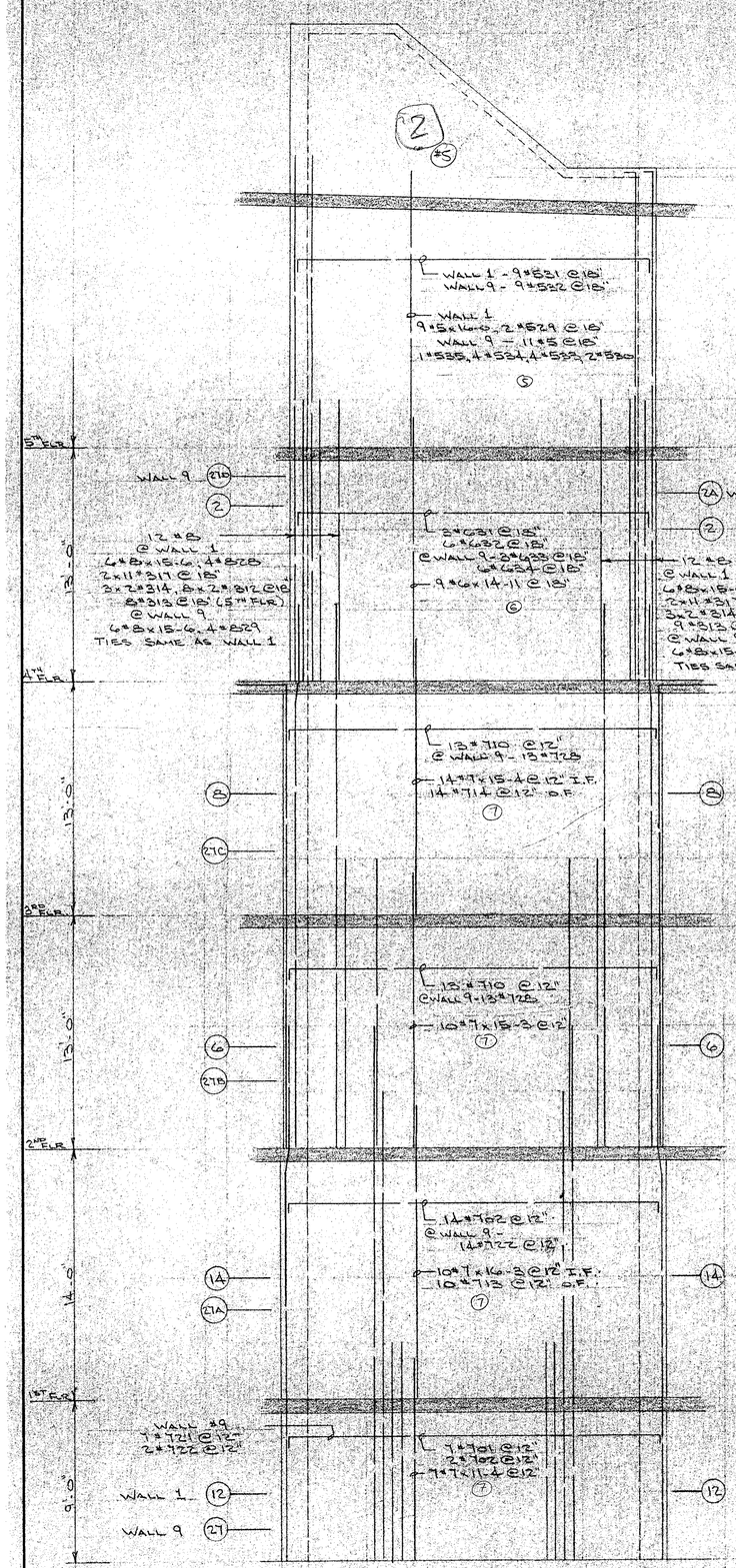
By: [signature] Date: 3/26/82

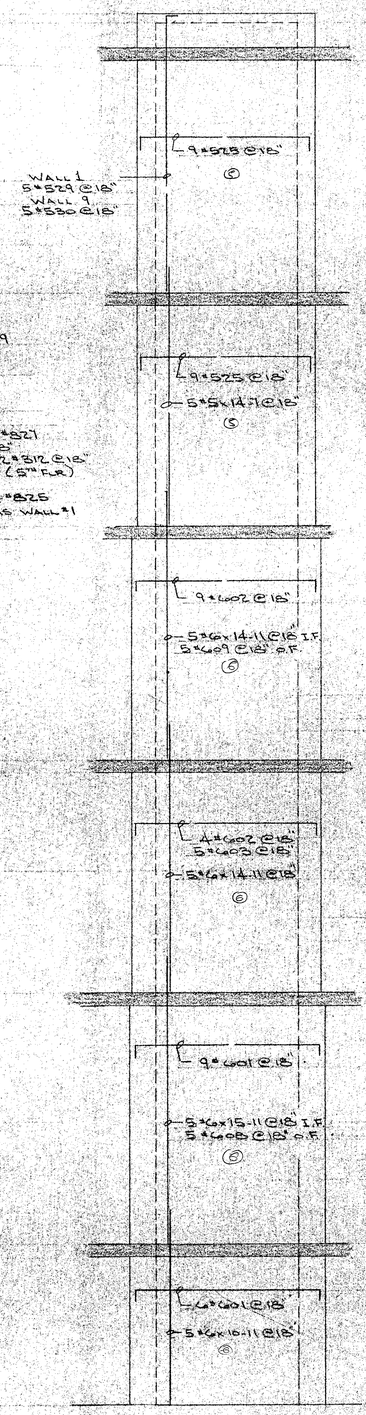
WATERFRONT TOWERS 82-12
STOCKTON, CA

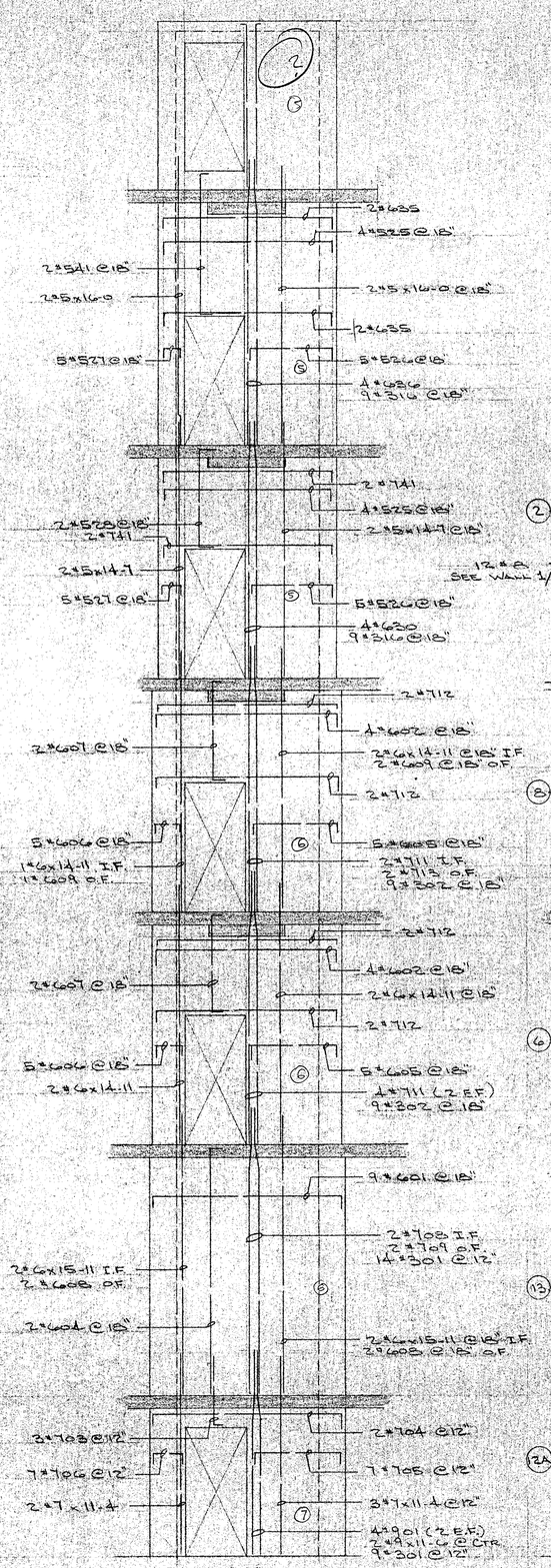
SCALE	REVISIONS	BY	DATE
DATE 2-15-82			
DWG CHKD G.D.			
APVD			

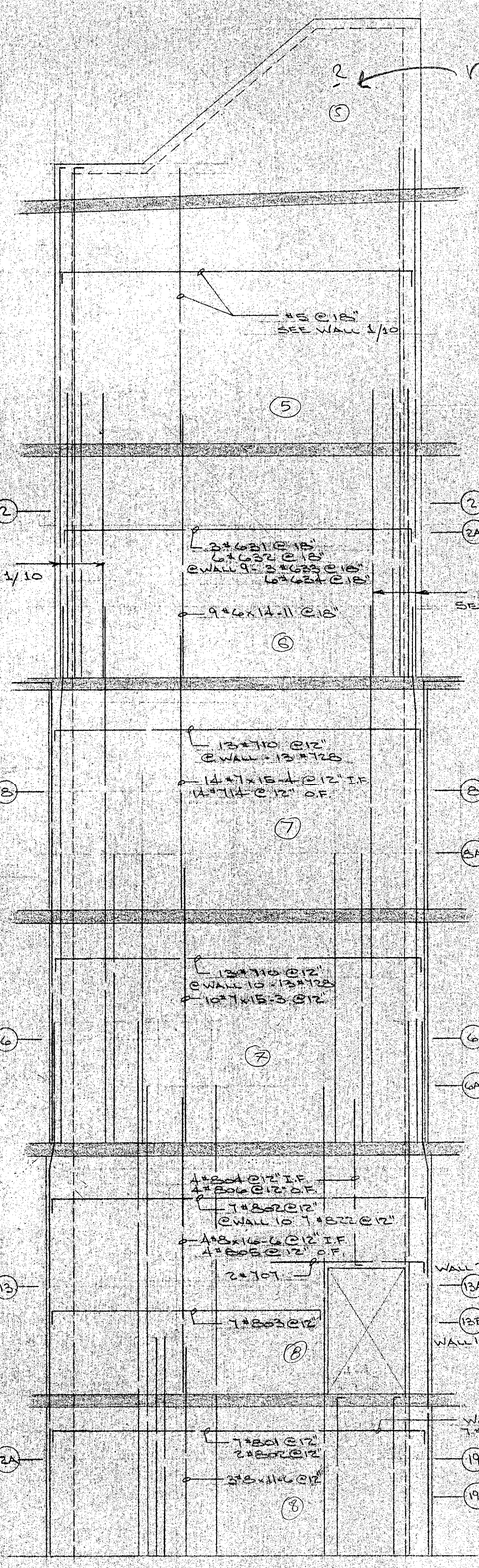
TITLE BLDG 1 COLUMNS NO. DWG 10

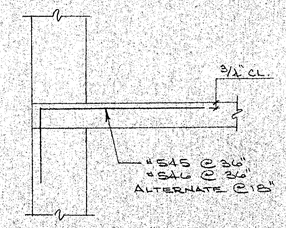
BRUNING 40-105











SLAB CONDITION @ STAIR WALLS

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NOTES

1. REINF. SHOWN IS E.F. U.O.N.
2. #11 VERT. SPACING IS @ 6" O.C. U.O.N.
3. SECTIONS SHOWN ○ ARE SHOWN ON DWG 13
4. SECTIONS (27) SHOWN ON DWG 14

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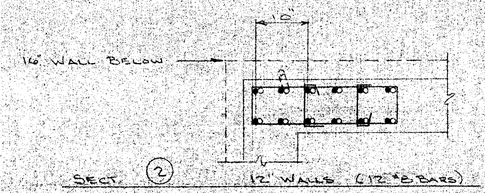
WATRY ENGINEERING INC.

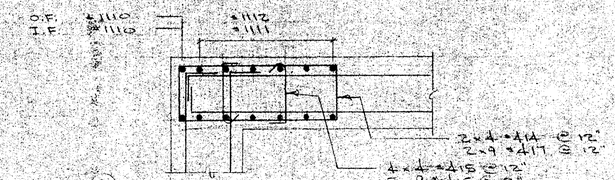
WATERFRONT TOWERS 82-12
STOCKTON, CA

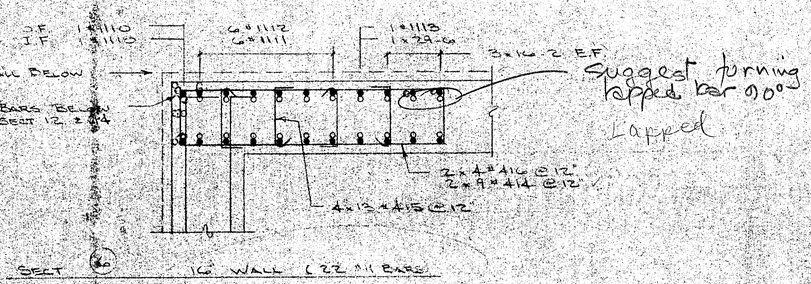
SCALE	REVISIONS	BY	DATE
DATE 3-22-82			
DR'N L.D.	CKD		
AP'VD			

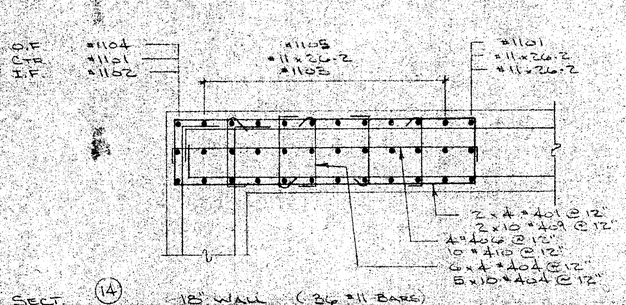
TITLE BLDG 2 - STAIR 1 STAIR 2
NO. DWG 12

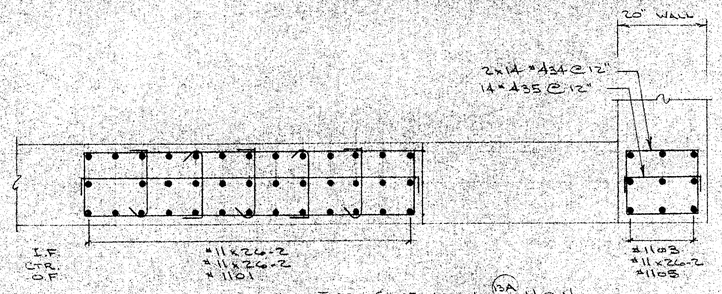
BRUNING 40-105

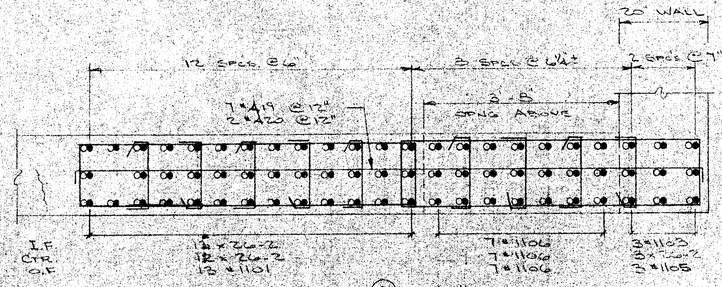


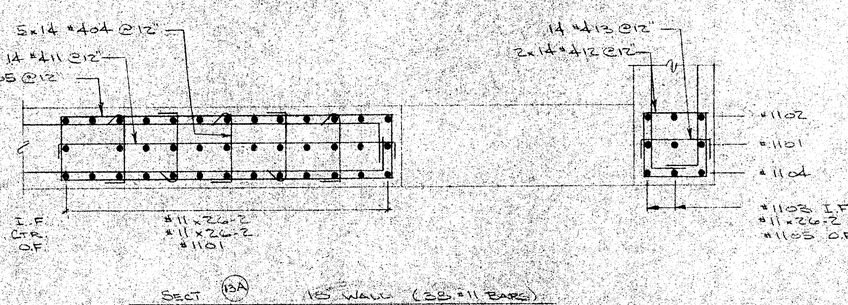


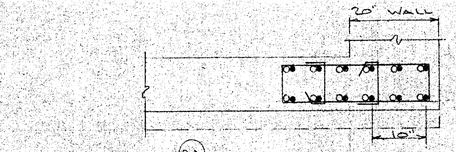


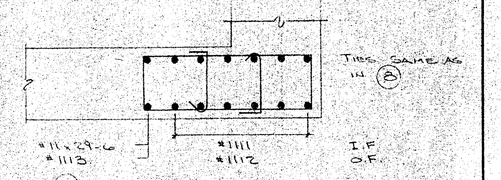


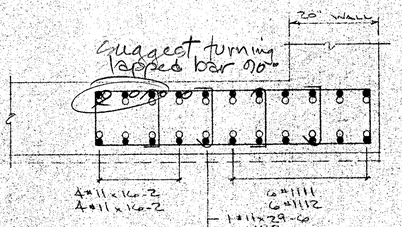


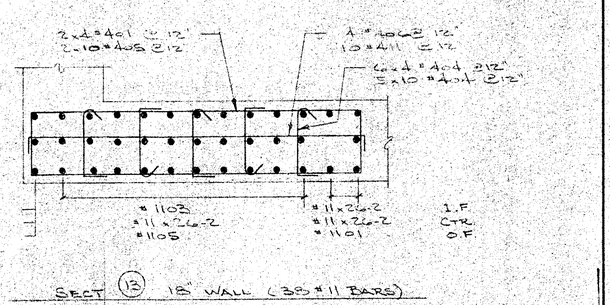












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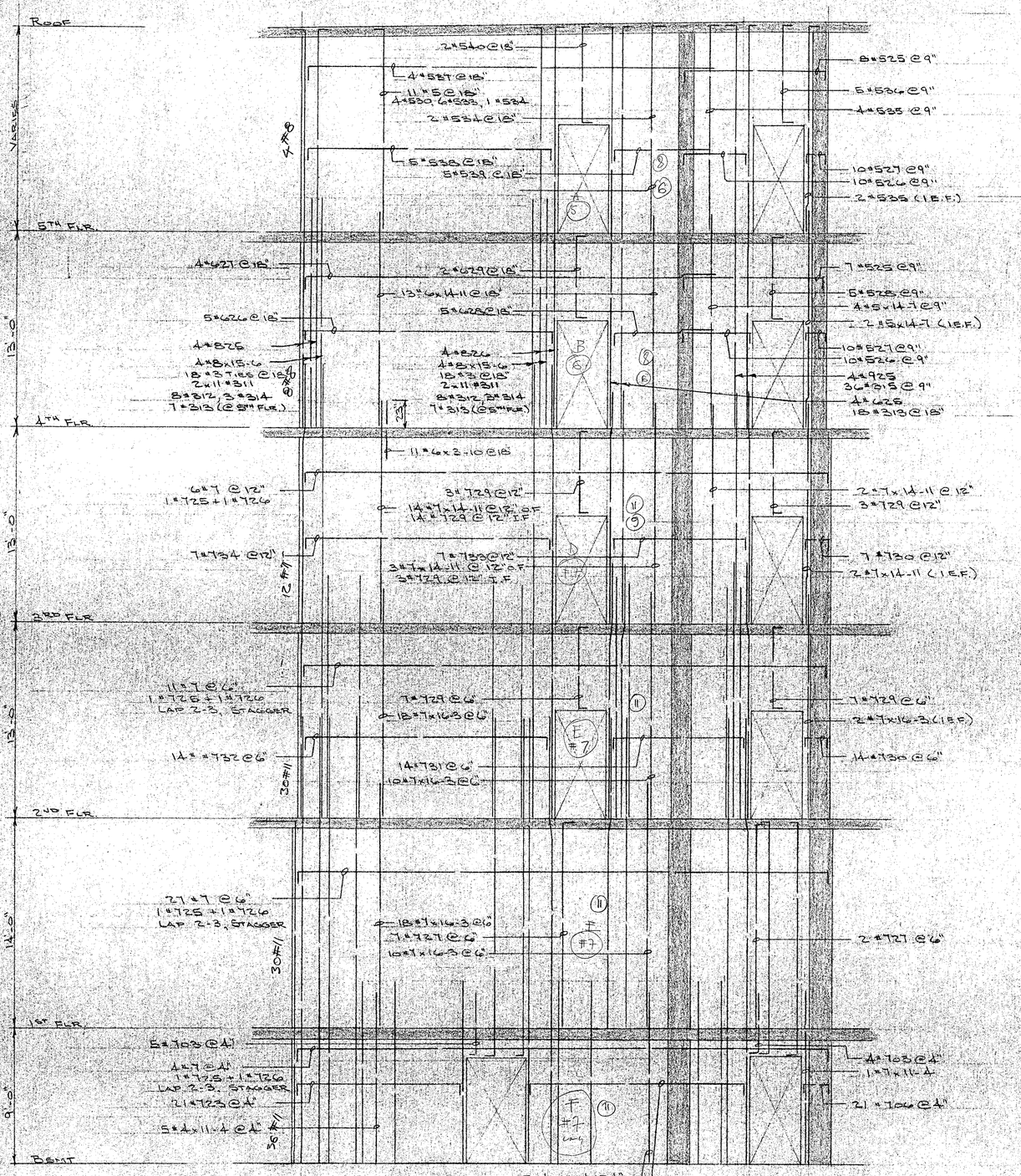
WATERFRONT TOWERS
STOCKTON, CA
82-12

SCALE	REVISIONS	BY	DATE
DATE			
DR'N GD CKD			
APVD			

TITLE: SHEAR WALL - SECTIONS BLDG 2 - STAIRS 1 & 2
NO: DWG 13

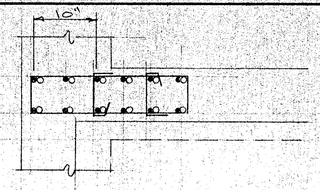
BRUNING 40-105



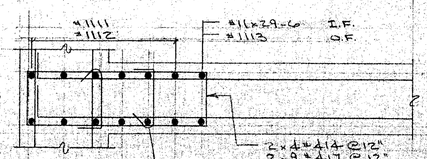
TYPICAL REINF. SHOWN IS E.F.

WALL (12)

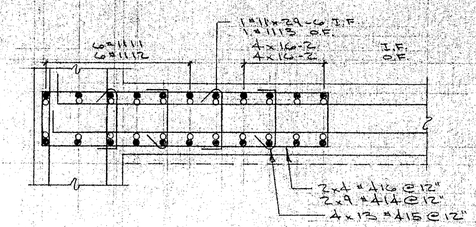
SEE DWG 15 FOR PLAN CUTS



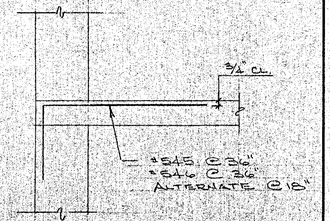
SECT. (27D) 12" WALL (12-8)



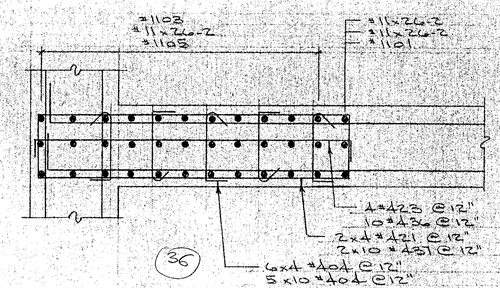
SECT. (27C) 16" WALL (1-11)



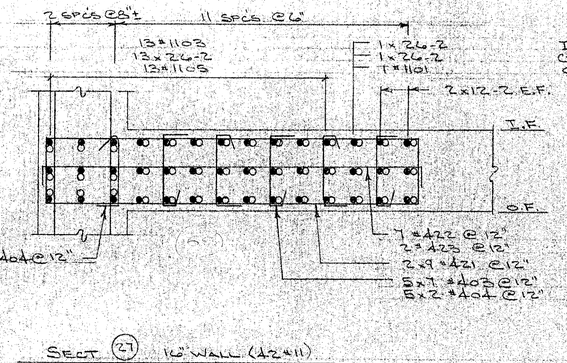
SECT. (27B) 16" WALL (22-11)



SLAB CONDITION @ STAIR WALLS



SECT (27A) 16" WALL (36-11)



SECT (27) 16" WALL (12-11)

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- [X] No Exceptions Taken
- [ ] Make Corrections Noted
- [ ] Revise and Resubmit

By: MW Date: 6-1-82

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WATRY ENGINEERING INC.

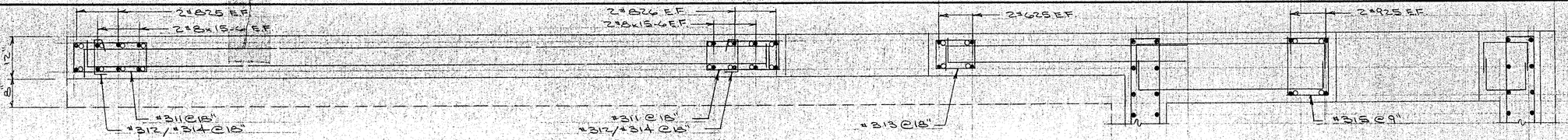
WATERFRONT TOWERS 82-12
STOCKTON, CA

SCALE	REVISIONS	BY	DATE
DATE 2-29-82			
DR'N. S.D. CKD.			
APVD.			

TITLE STAIR #2 - SHEAR WALLS NO. DWG 12

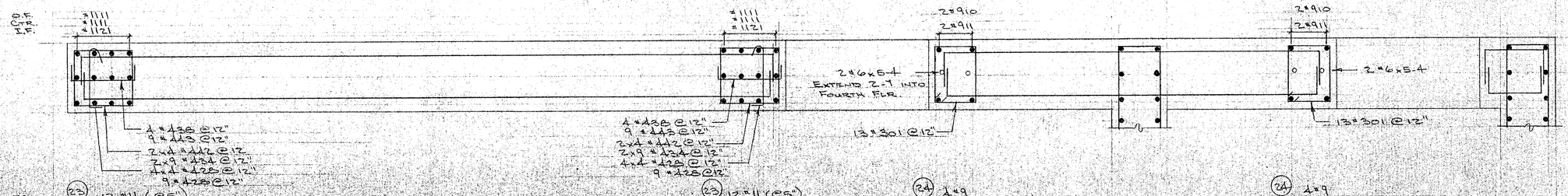
BRUNING 40-105

4TH FLR. SECTS.



(3) 8"x8" (@5") (3) 8"x8" (@5") (5) 1-#6 (5) 1-#9

3RD FLR. SECTS.



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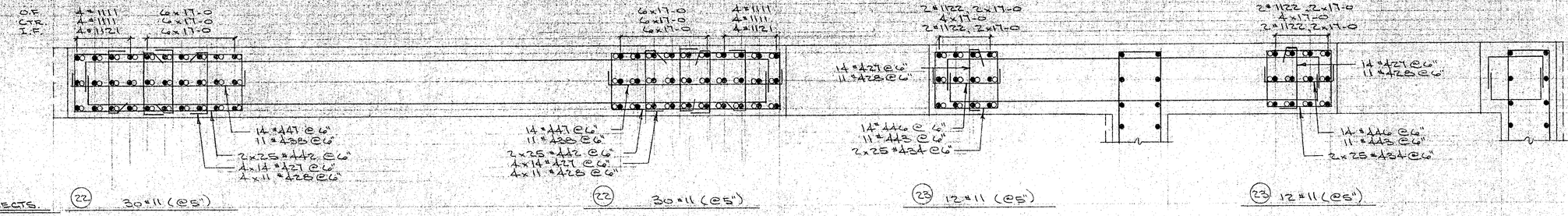
2ND FLR. SECTS.



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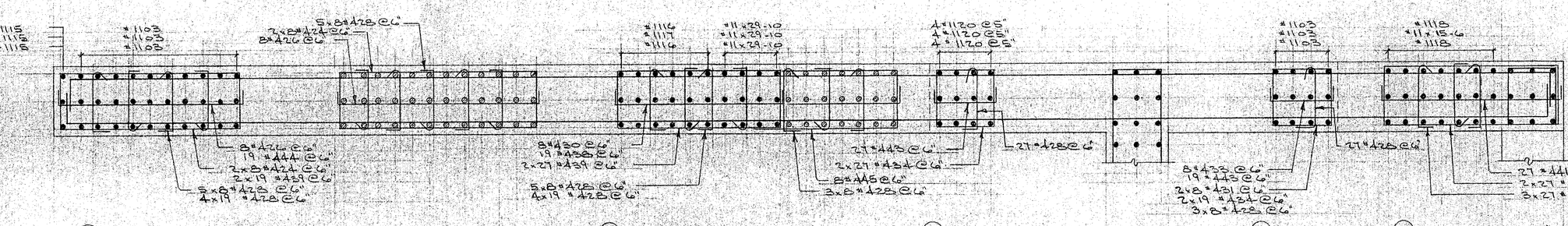
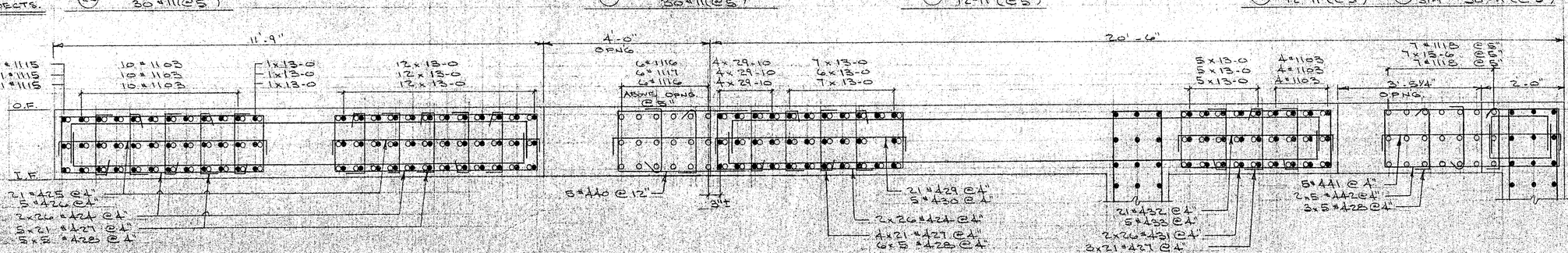
1ST FLR. SECTS.



(22) 30"x11"(@5") (22) 30"x11"(@5") (28) 12"x11" (@5") (28) 12"x11" (@5") (27) SIM 30"x11" (@5")

BSMT. SECTS.



(20) 36"x11"(@5") (20) 36"x11"(@5") (21) 32"x11"(@5") (27) 27"x11"(@5")

FOR ELEVATION SEE DWG 1A

WATRY ENGINEERING INCORPORATED

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☐ Make Corrections Noted
☐ Revise and Resubmit

By: [illegible] Date: 6-1-82

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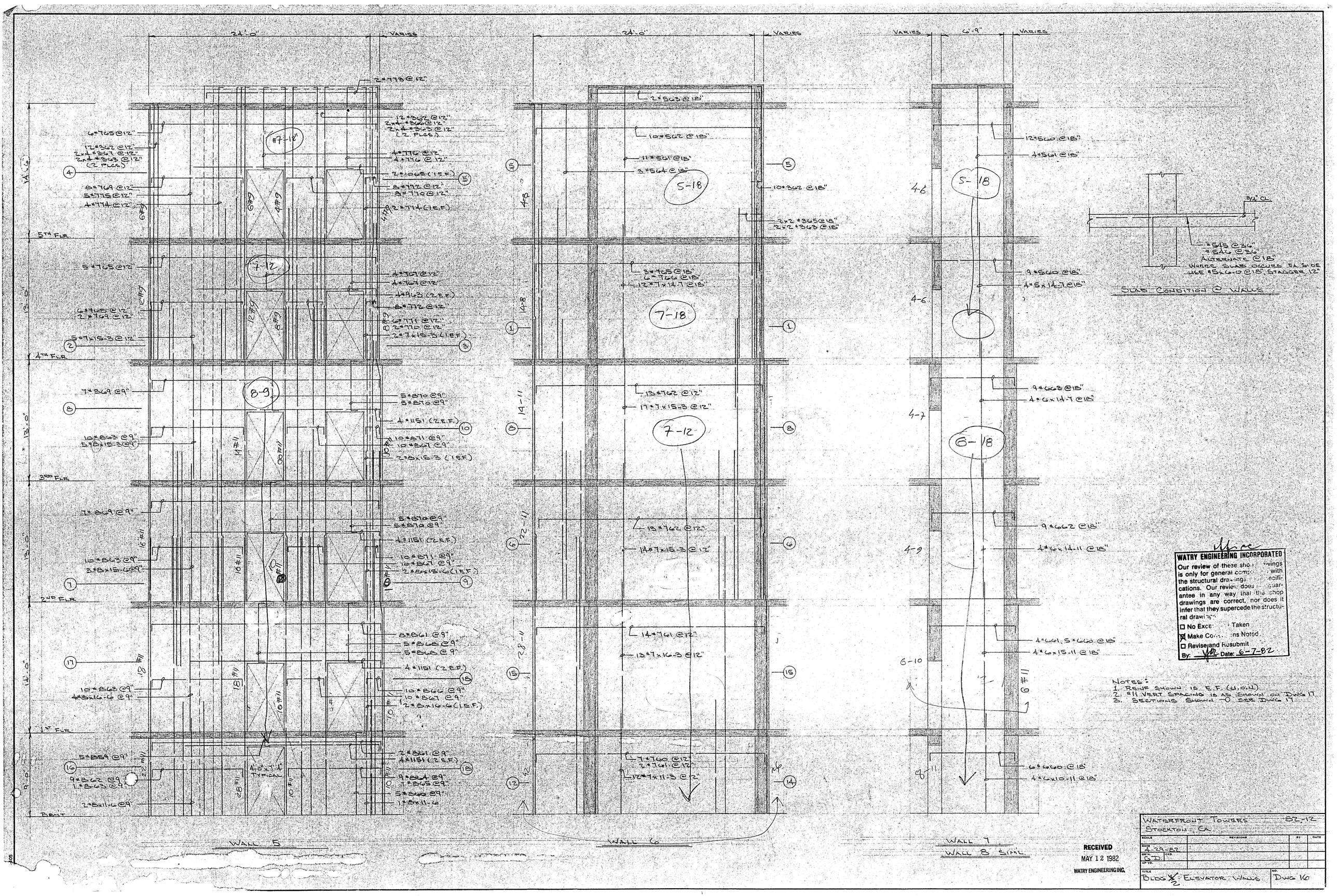
WATRY ENGINEERING INC.

WATERFRONT TOWERS STOCKTON, CA		82-12
SCALE	REVISIONS	BY DATE
DATE 4-1-82		
DR. CKD. GD		
AP'VD.		
TITLE SHEAR WALL SECTIONS BLDG 2 STAIR 2		NO. DWG 15

BRUNING 40-105



WATRY ENGINEERING INCORPORATED

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- ☐ No Exceptions Taken
- ☒ Make Corrections Noted
- ☐ Revise and Resubmit

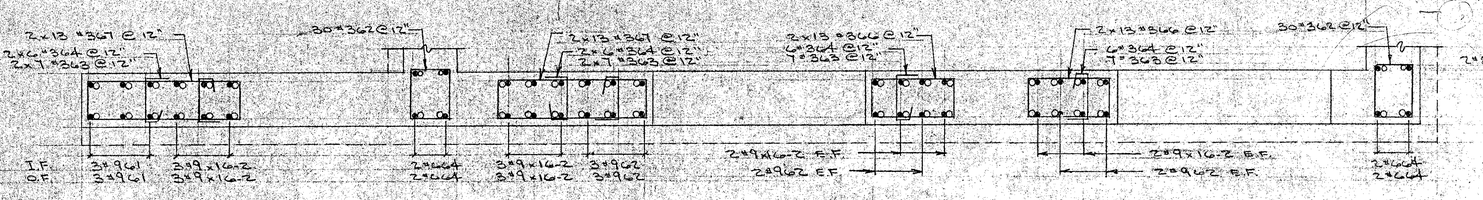
By: [signature] Date: 6-7-82

NOTES:
1. REINF SHOWN IS E.F. (U.O.N.)
2. #11 VERT SPACING IS AS SHOWN ON DWG 17
3. SECTIONS SHOWN -0 SEE DWG 17

RECEIVED
MAY 12 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS STOCKTON, CA			82-12
SCALE	REVISIONS	BY	DATE
DATE 4-29-82			
DRN. G.D. CKD.			
APVD.			
TITLE BLDG 1/2 ELEVATOR WALLS		NO. DWG 16	

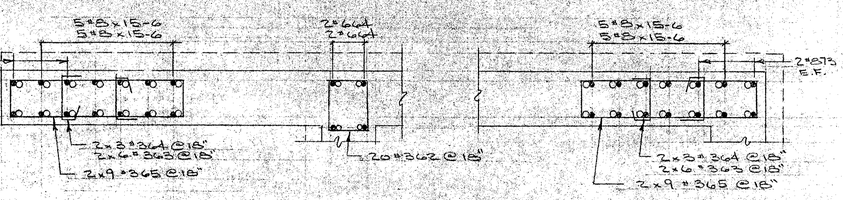
4TH FLR
12" WALLS



SECT (2) 12×9 (@5")

SECT (2) 12×9 (@5")

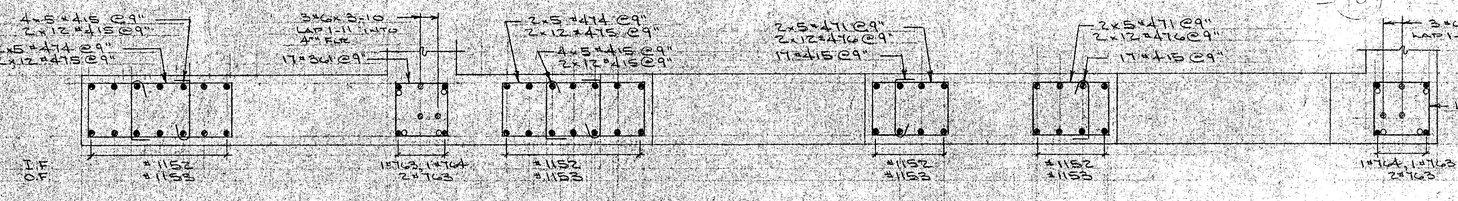
SECT (3) 8×9 (@5")



SECT (1) 14×8 (@5")

SECT (1) 14×8 (@5")

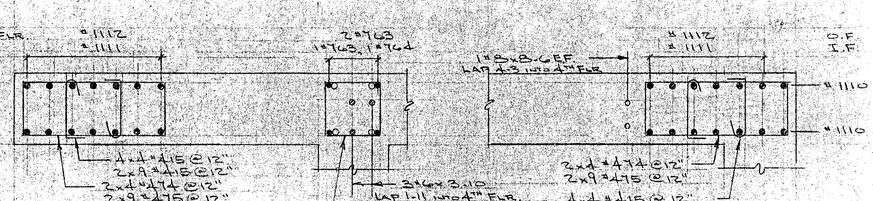
3RD FLR.
12" WALLS



SECT (8) 14×11 (@5")

SECT (8) 14×11 (@ ")

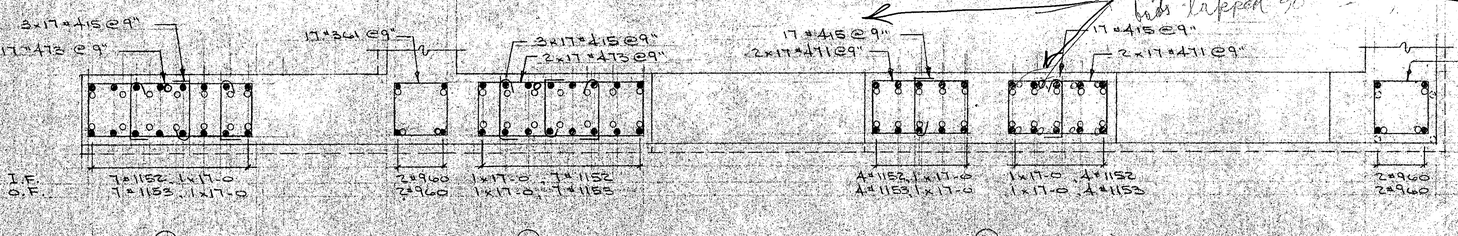
SECT (10) 8×11 (@5")



SECT (8) 14×11 (@5")

SECT (8) 14×11 (@5")

2ND FLR.
16" WALLS

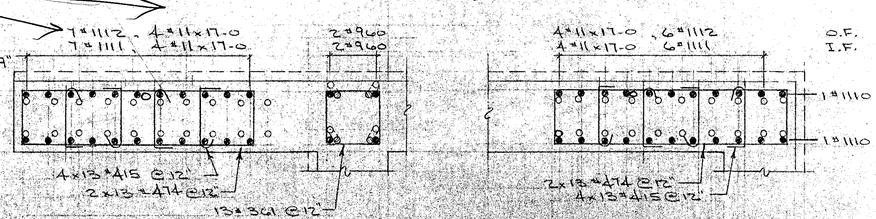


supported trimed
has lapped 90°

SECT (7) 16×11 (@5")

SECT (7) 16×11 (@5")

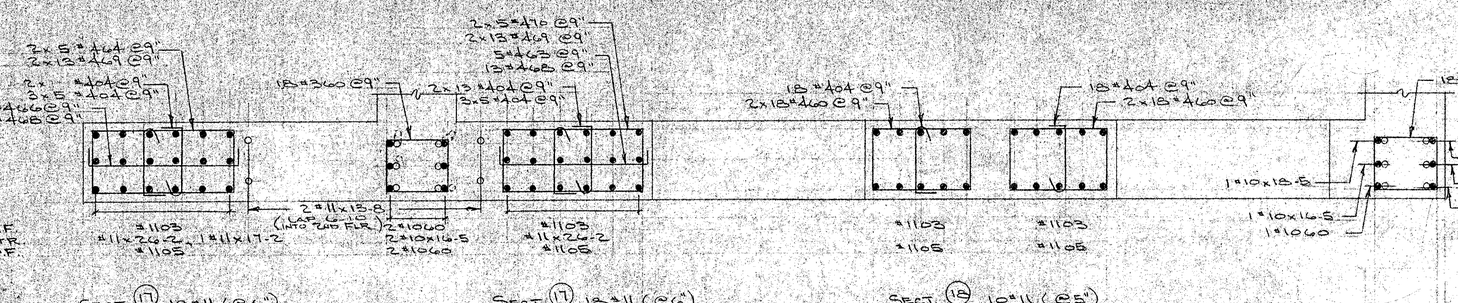
SECT (9) 10×11 (@5")



SECT (6) 22×11 (@5")

SECT (6) 22×11 (@5")

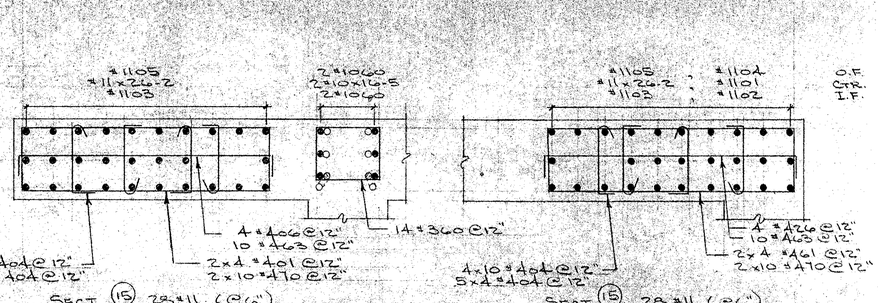
1ST FLR.
18" WALLS



SECT (17) 18×11 (@6")

SECT (17) 18×11 (@6")

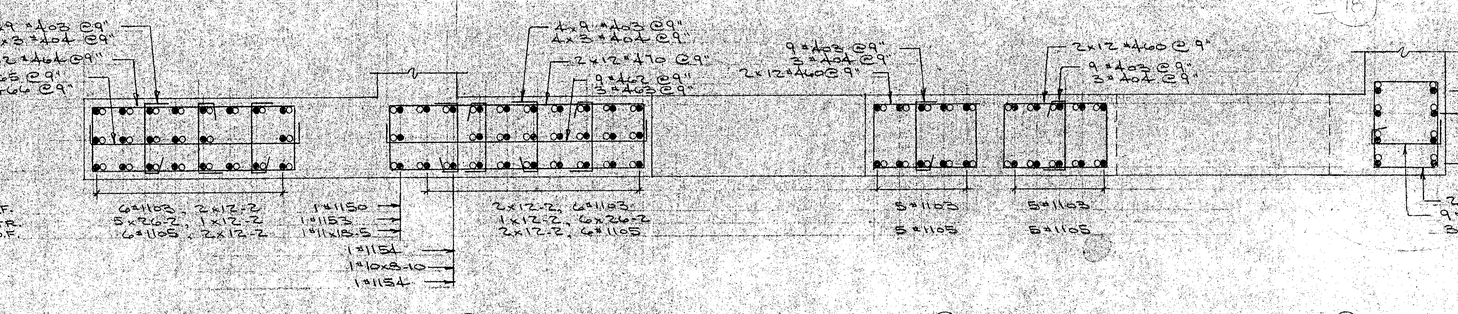
SECT (18) 10×11 (@5")



SECT (15) 28×11 (@6")

SECT (15) 28×11 (@6")

BSMT
18" WALLS

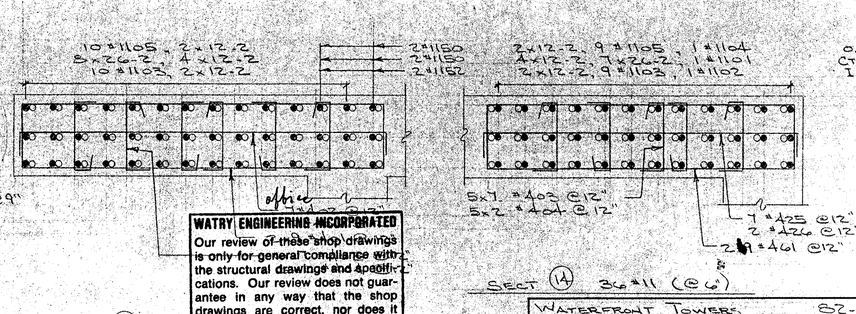


SECT (16) 22×11 (@6")

SECT (15) 28×11 (@6")

SECT (18) 10×11 (@5")

SECT (24) 8×11 (@5")



SECT (12) 42×11 (@5")

SECT (14) 36×11 (@6")

WATRY ENGINEERING INCORPORATED
Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.
☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit
By: [signature] Date: 6-7-82

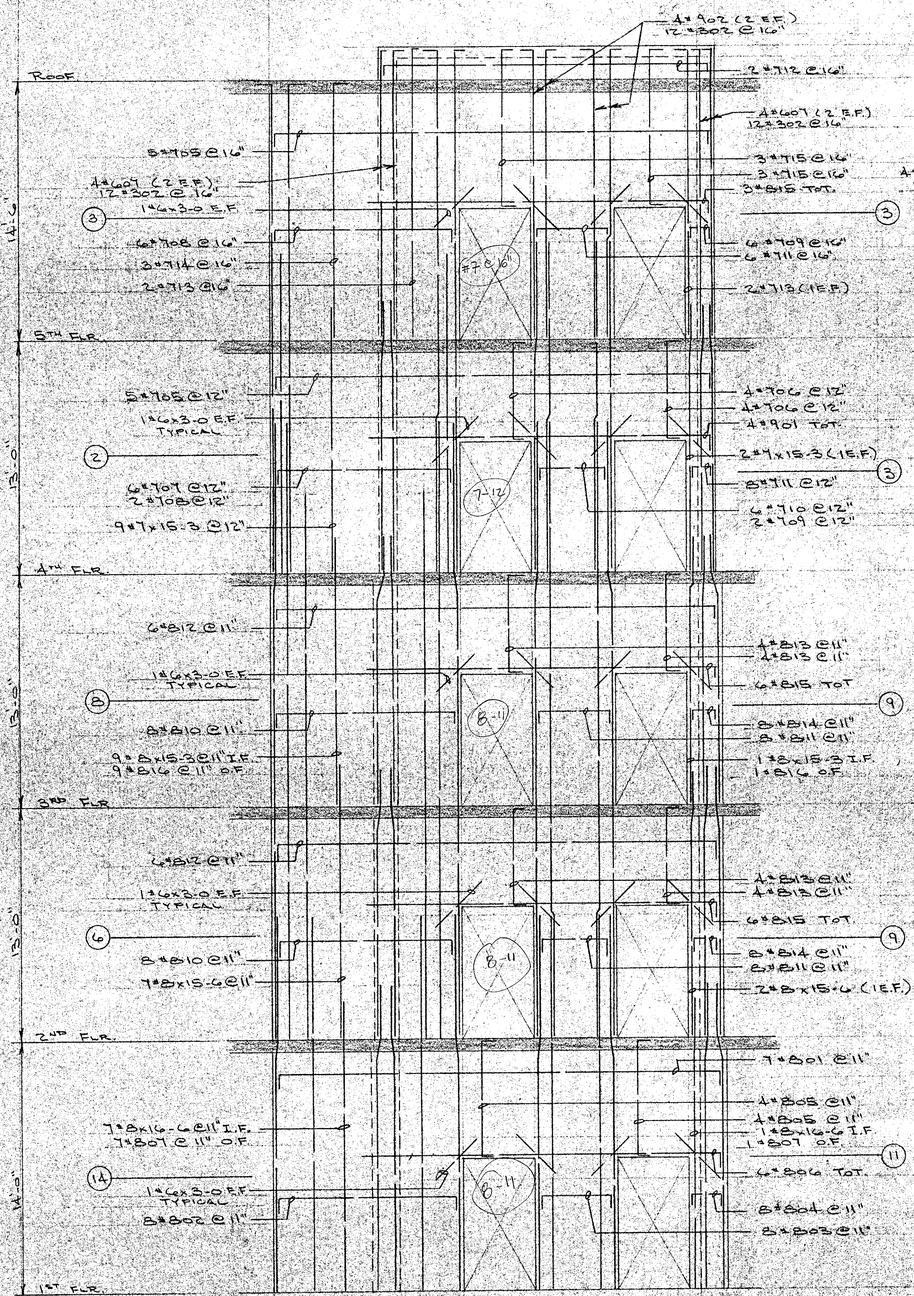
RECEIVED
MAY 12 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS 82-12
STOCKTON, CA

SCALE	REVISIONS	BY	DATE
DATE 4-29-82			
DR'N CHK'D			
AP'VD			

TITLE BLDG 1/2 - ELEVATOR WALLS NO. DWG 17

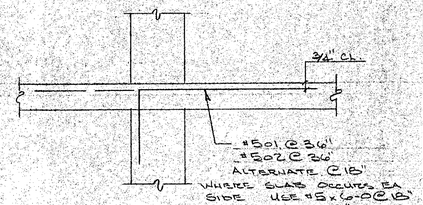
BRUNING 40-105



WALL 5

WALL 6

WALL 7
WALL 8 SIMILAR



SLAB CONDITION @ WALLS

WATRY ENGINEERING INCORPORATED

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☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit

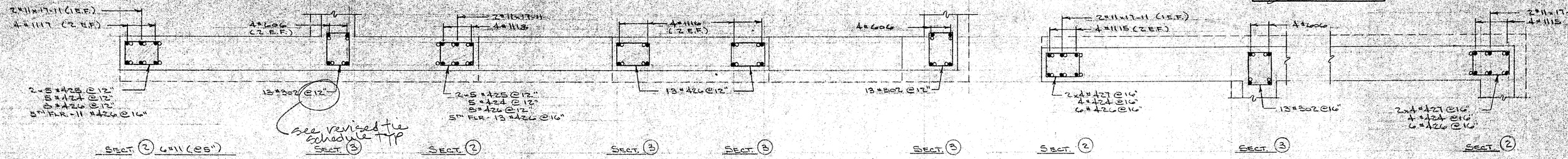
By: Date: 6/22/82

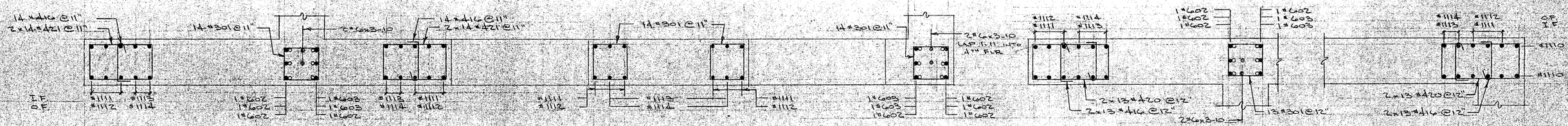
NOTES:
1. REINF SHOWN IS E.F. (U.O.N.)
2. #11 VERT SPACED AS SHOWN ON DWG 19
3. SECTIONS SHOWN ON DWG. 19

RECEIVED
JUN 11 1982
WATRY ENGINEERING INC.

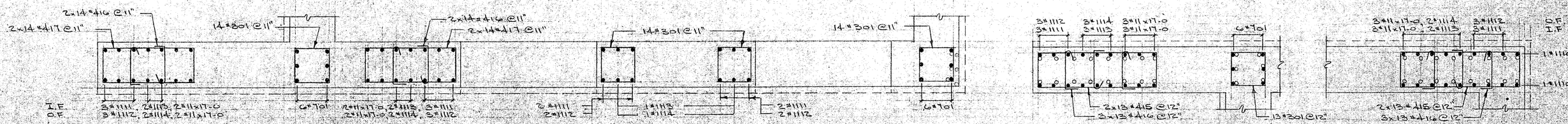
WATERFRONT TOWERS STOCKTON, CA	82-12
SCALE	REVISIONS / BY / DATE
DATE 5-21-82	
DR'N. GD CKD	
APVD.	
TITLE BLDG 1 - ELEVATOR WALLS	NO. DWG 18

office
WATRY ENGINEERING INCORPORATED
Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.
☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit
By: Date: 6/22/82



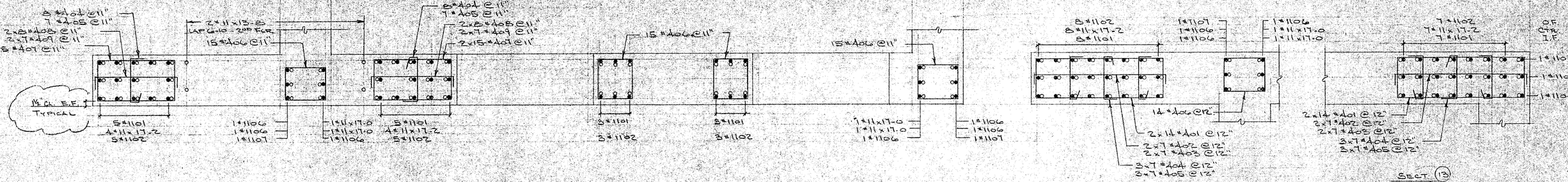


THIRD FLOOR
16" WALLS



SECOND FLOOR
16" WALLS

SECT (4) 14-#11 (@5") SECT (9) SECT (4) SECT (9) 6-#11 (@5") SECT (9) SECT (9) SECT (5) 18-#11 (@5") SECT (9) SECT (5)



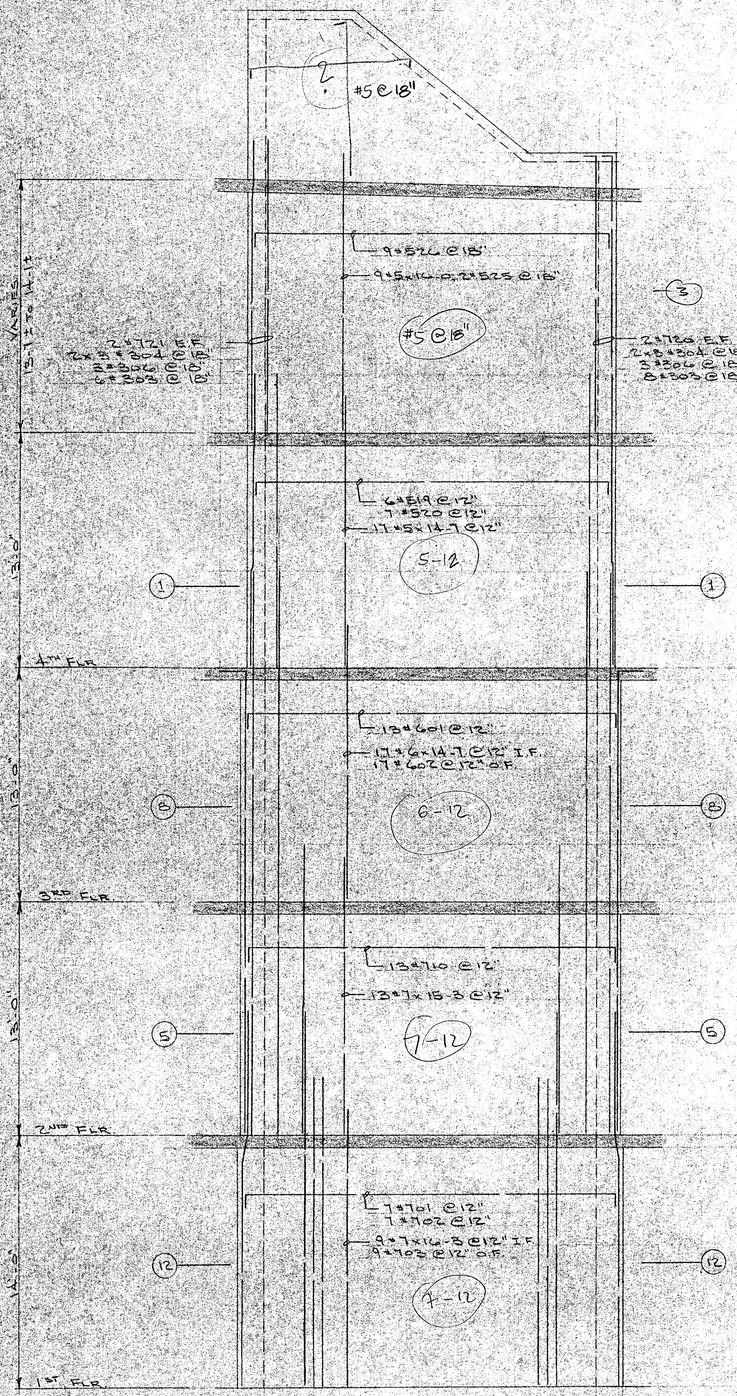
FIRST FLOOR
18" WALLS

SECT (14) 14-#11 (@5") SECT (11) SECT (14) SECT (11) SECT (11) 6-#11 (@5") SECT (11) SECT (13) 24-#11 (@6") SECT (11) SECT (13)

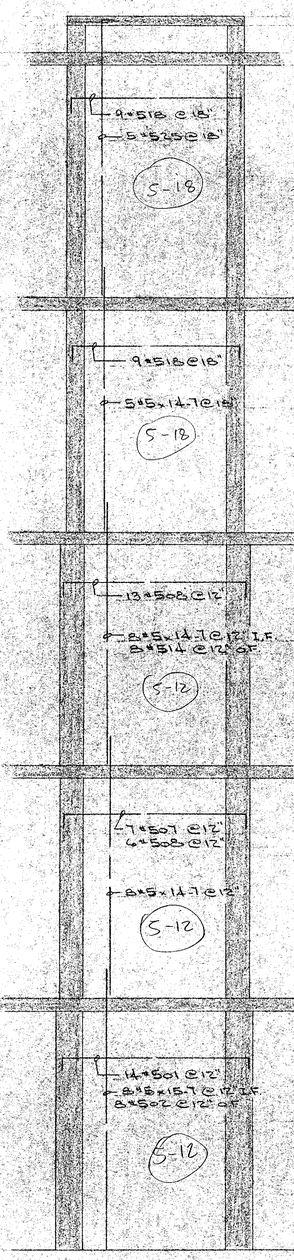
RECEIVED
JUN 11 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS	82-12
STOCKTON, CA.	
SCALE	REVISIONS BY DATE
DATE	
DR'N. CKD.	
APVD.	
TITLE BLDG 1 ELEVATOR WALLS	NO. DWG 19

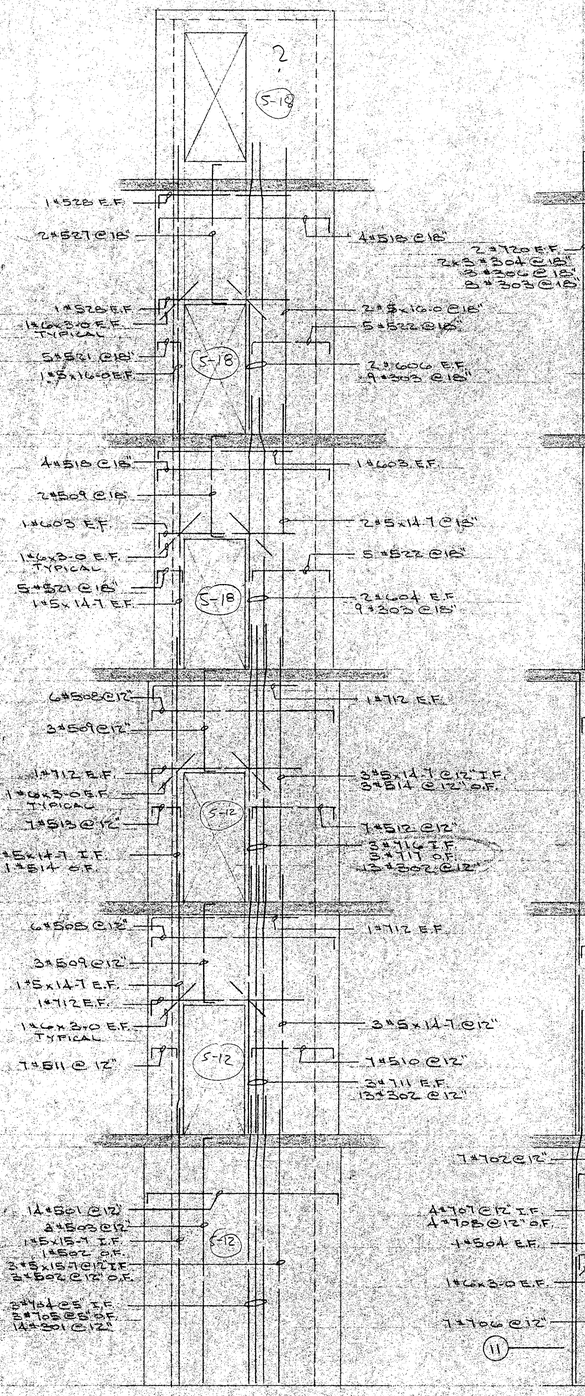
SHRINKING 40/105



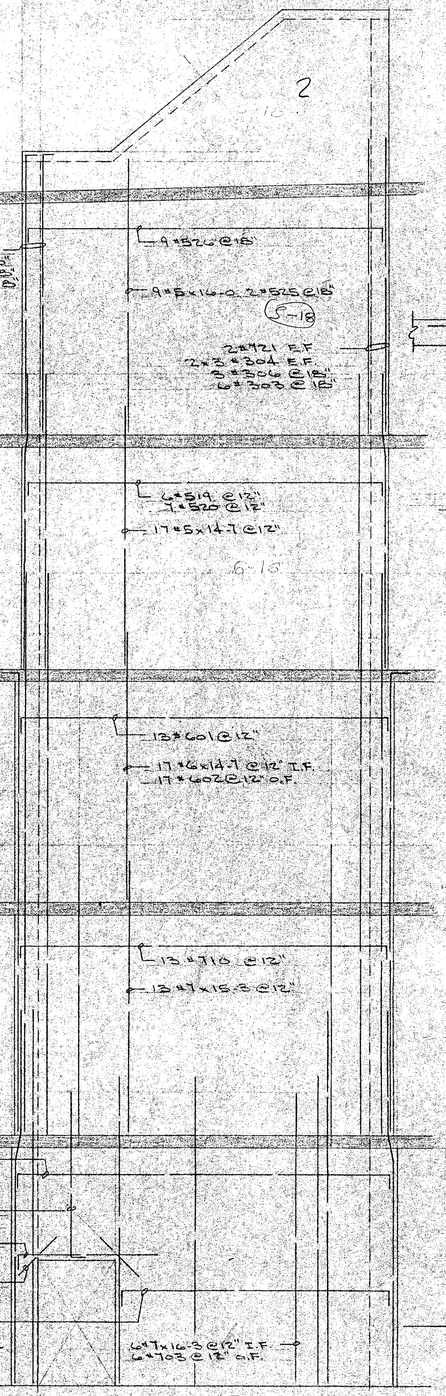
WALL 1



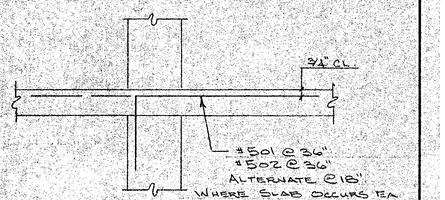
WALL 3



WALL 4



WALL 2



SLAB CONDITION @ WALLS

WATRY ENGINEERING INCORPORATED

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☐ No Exceptions Taken

☒ Make Corrections Noted

☐ Revise and Resubmit

By: Date: 6/22/82

NOTES:
1. REINF SHOWN IS E.F. (U.O.N.)
2. #11 VERTS SPACED AS SHOWN - DWG 21
3. SECTIONS SHOWN ON DWG. 21

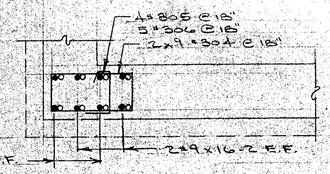
RECEIVED
JUN 11 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS 82-12
STOCKTON, CA

SCALE	REVISIONS	BY	DATE
DATE 5-26-82			
DR'N CKD. GD			
APVD			

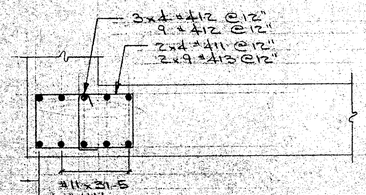
TITLE: BLDG 1 - STAIR 1 NO. DWG 20

DRAWING 40-105



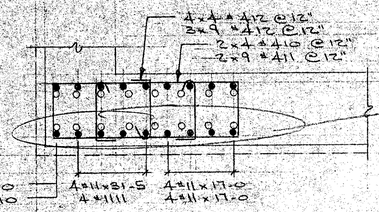
FOURTH FLOOR
12" WALLS

SECT (1) 8-#9 (@5")



THIRD FLOOR
16" WALLS

SECT (8) 10-#11 (@5")

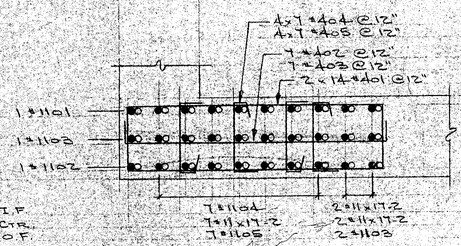


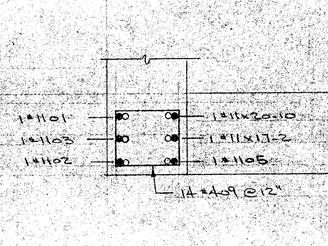
suggest:
Lapped bars twisted 90°

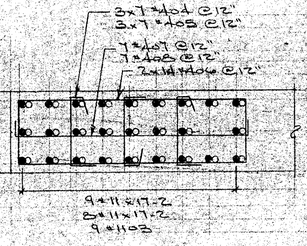
suggest lapped bars in same plane as thru bars, typ.

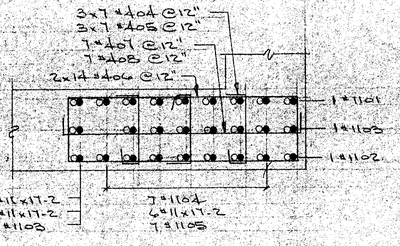
SECOND FLOOR
16" WALLS

SECT (5) 18-#11 (@5")









FIRST FLOOR
16" WALLS

SECT (12) 30-#11 (@6")

SECT (11) 6-#11 (@5")

SECT (16)

SECT (16) 26-#11 (@6")

WATRY ENGINEERING INCORPORATED

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☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit

By: Date: 6/22/82

RECEIVED
JUN 11 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS STOCKTON, CA		82-12
SCALE	REVISIONS	BY / DATE
DATE 5-26-82		
DR. SD. CKD.		
AP'VD.		
TITLE BLDG 1 - STAIR 1 SECTIONS	NO. DWG 21	

BRUNING 40-105

Office
WATRY ENGINEERING INCORPORATED
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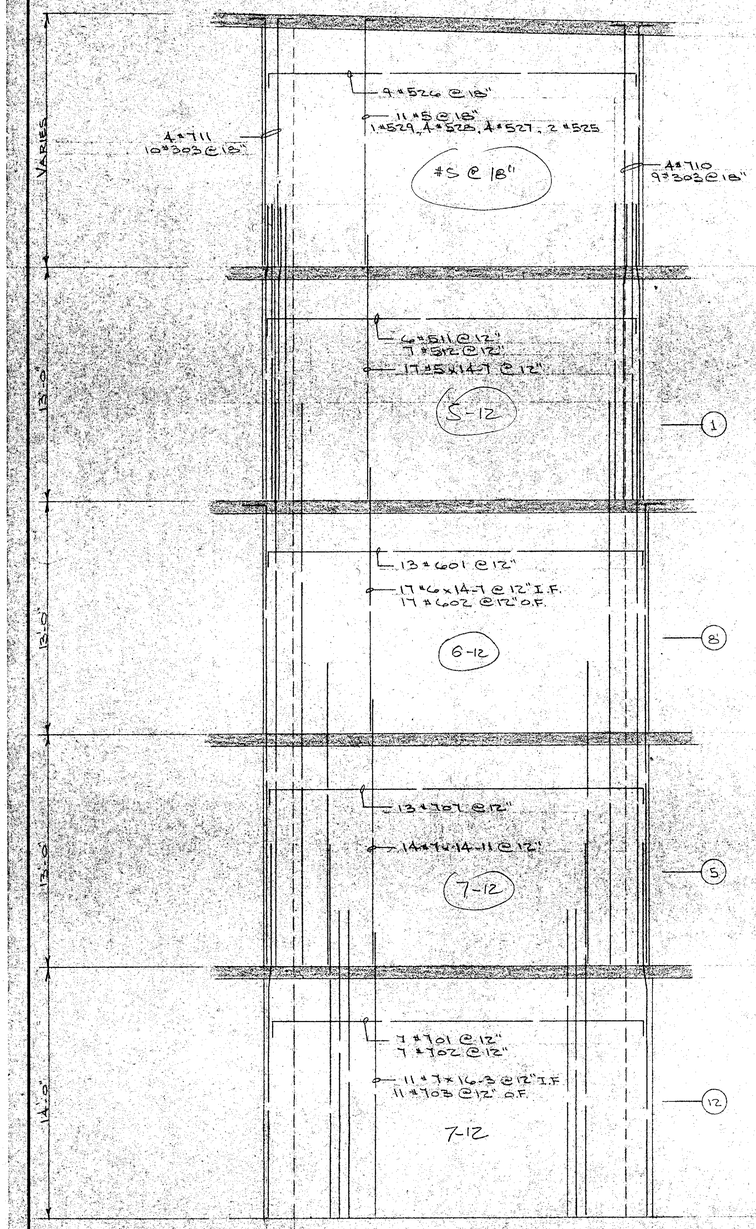
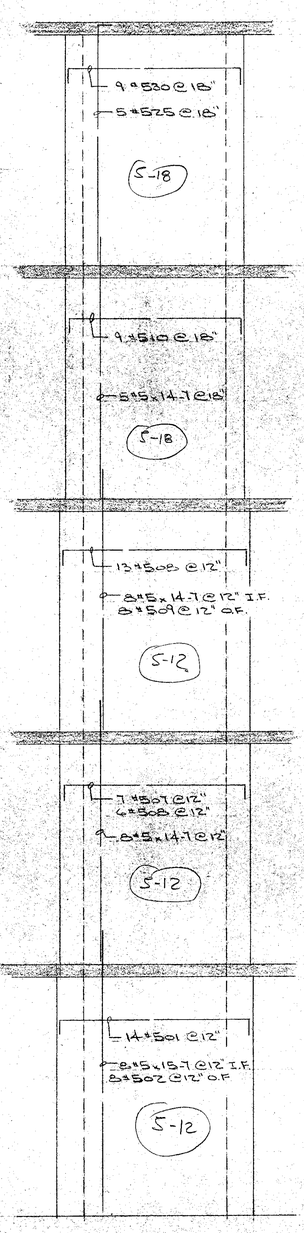
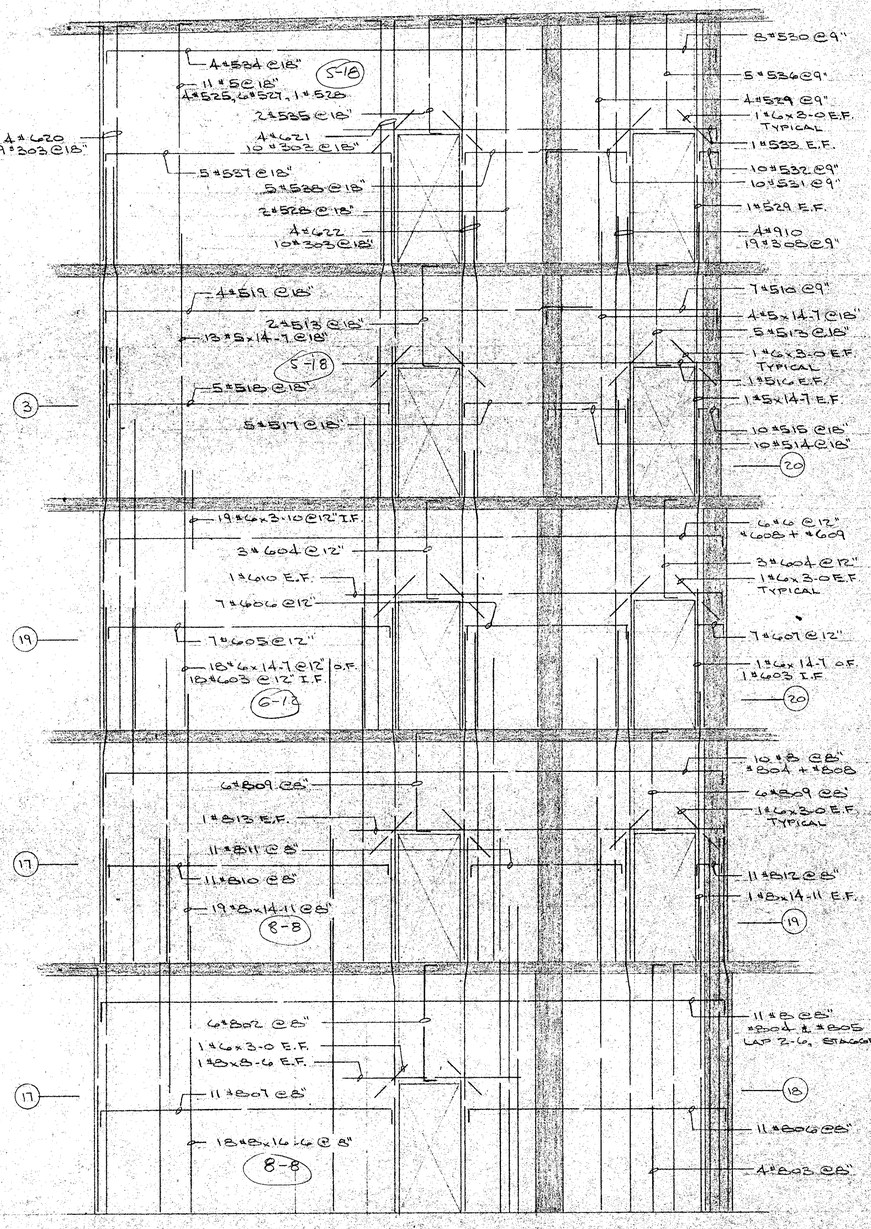
☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit
By: [signature] Date: 6/22/82



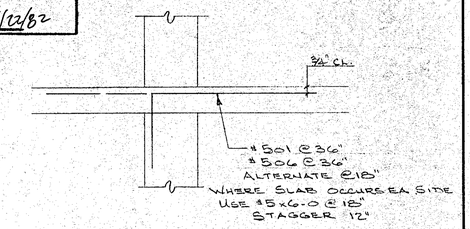
WALL 9



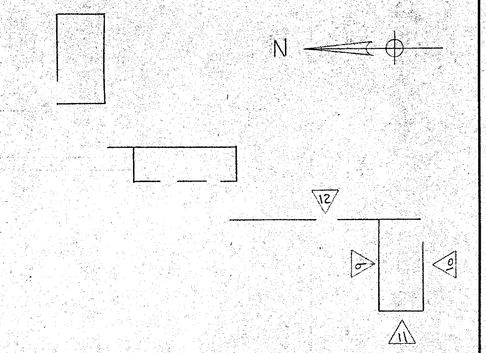
WALL 11



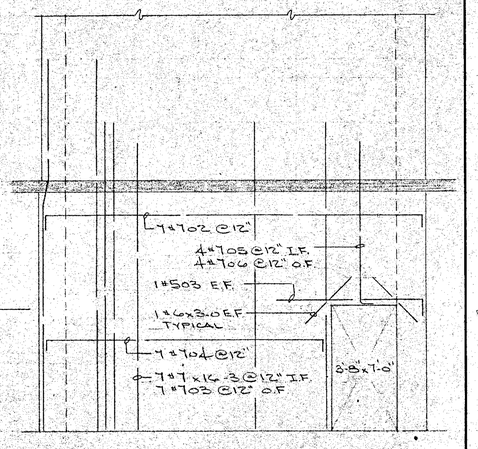
WALL 12



SLAB CONDITION @ WALLS



BLDG 1 KEY PLAN



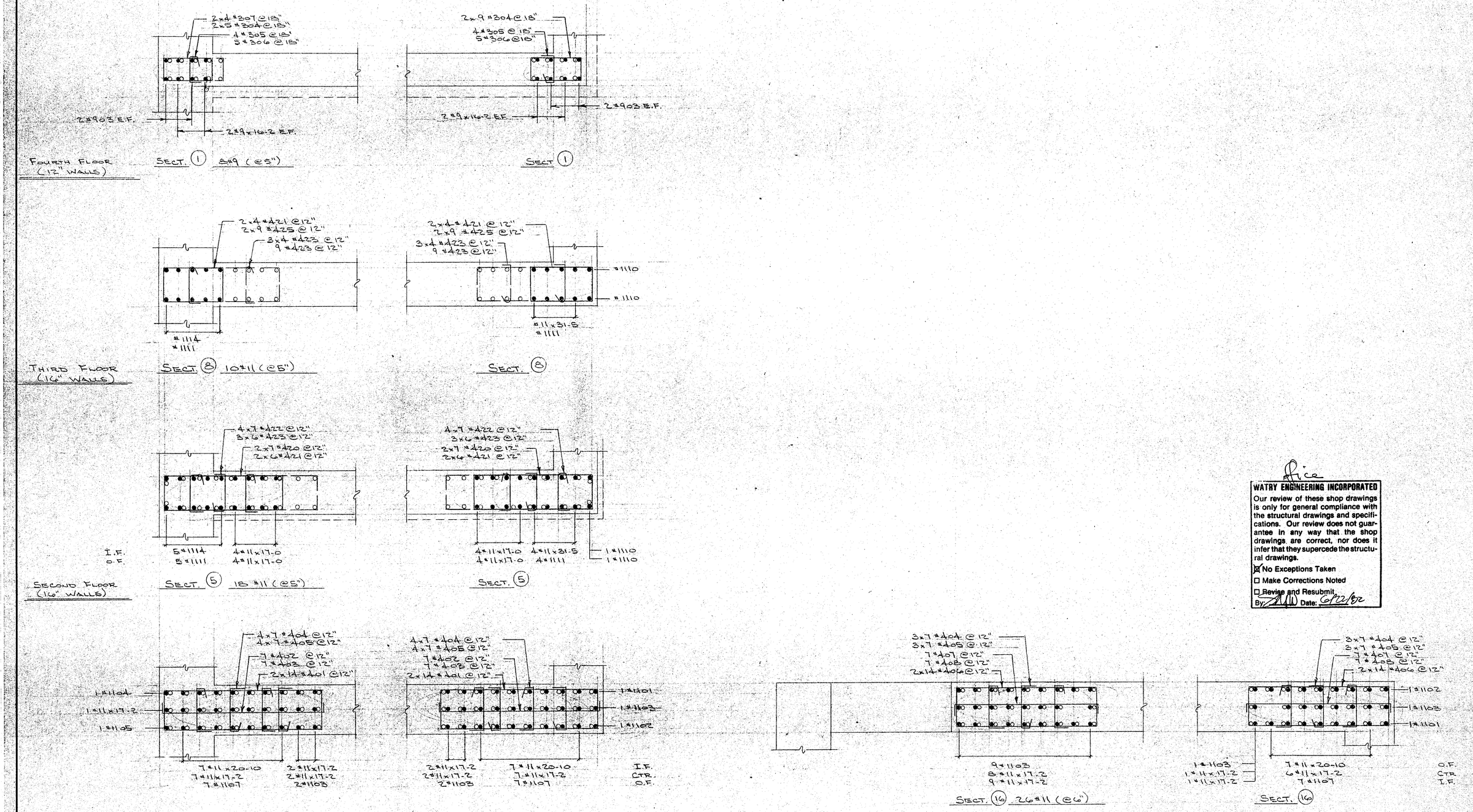
WALL 10

NOTE: 1. REINF SHOWN IS E.W. (U.O.N.)
2. SECTIONS SHOWN ON DWG 23 & 24

RECEIVED
JUN 18 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS STOCKTON, CA			82-12
SCALE	REVISIONS	BY	DATE
DATE 6-3-82			
DR'N. G.D. CKD.			
APV'D.			
TITLE BLDG ~~X~~ - STAIR 2 WALLS		NO. DWG 22	

BRUNING 40-105



Rice

WATRY ENGINEERING INCORPORATED

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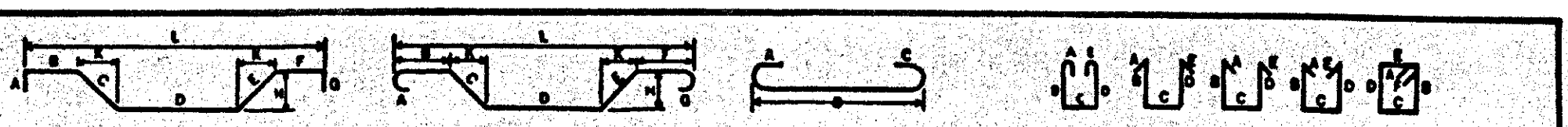
☒ No Exceptions Taken
☐ Make Corrections Noted
☐ Revise and Resubmit

By: [signature] Date: 6/22/82

RECEIVED
JUN 18 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS STOCKTON, CA			82-12
SCALE	REVISIONS	BY	DATE
DATE 6-3-82			
DR'N GD	CKD.		
AP'VD.			
TITLE BLDG 1 STAIR 2 SECTIONS		NO. DWG 23	

BRUNING 40-105



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
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2	72	|	7-3	⌐⌐	302	1-0	1-1	3-1	1-1	1-0										86
3	60	|	7-8	⌐⌐	303	2-1	3-6	2-1												87
4	20	#3	7-3	⌐⌐	304	2-1	3-1	2-1									6	#5	30-0	88
5																				89
6																				90
7																	4	#11	48-0	91
8																	4	#5	3-0	92
9																	2	#5	11-0	93
10																	4	#6	11-0	94
11																	112	#6	8-0	95
12																	105	|	12-0	96
13																	3	|	18-0	97
14																	6	|	14-0	98
15																	4	#6	34-0	99
16																				100
17																				101
18																	1	#7	19-0	102
19	4	#5	6-6	L	502	1-0	5-6										2	#7	20-0	103
20	116	#6	9-0	L	601	1-0	8-0													104
21	18	#6	10-0	L	602	1-0	9-0										4	#8	40-0	105
22	3	#6	16-0	L	603	1-0	15-0										2		27-0	106
23																	2	|	44-0	107
24																	30	|	30-0	108
25																	10	#8	22-6	109
26	120	1½"	CHAIRS																23-6	110

#3 #4 ~~6548#~~ 678#
#5 ~~188#~~
#6 ~~5560#~~
#7 121#
#8 ~~2810#~~
#11 1020#
~~7923#~~

Job _____ Cont. No. _____ Part No. _____ Sht. 1

27 111
28 112
29 113
30 114
31 115
32 116
33 117
34 118
35 119
36 120
37 121
38 122
39 123
40 124
41 125
42 126
43 127
44 128
45 129
46 130
47 131
48 132
49 133
50 134
51 135
52 136
53 137
54 138
55 139
56 140
57 141
58 142
59 143

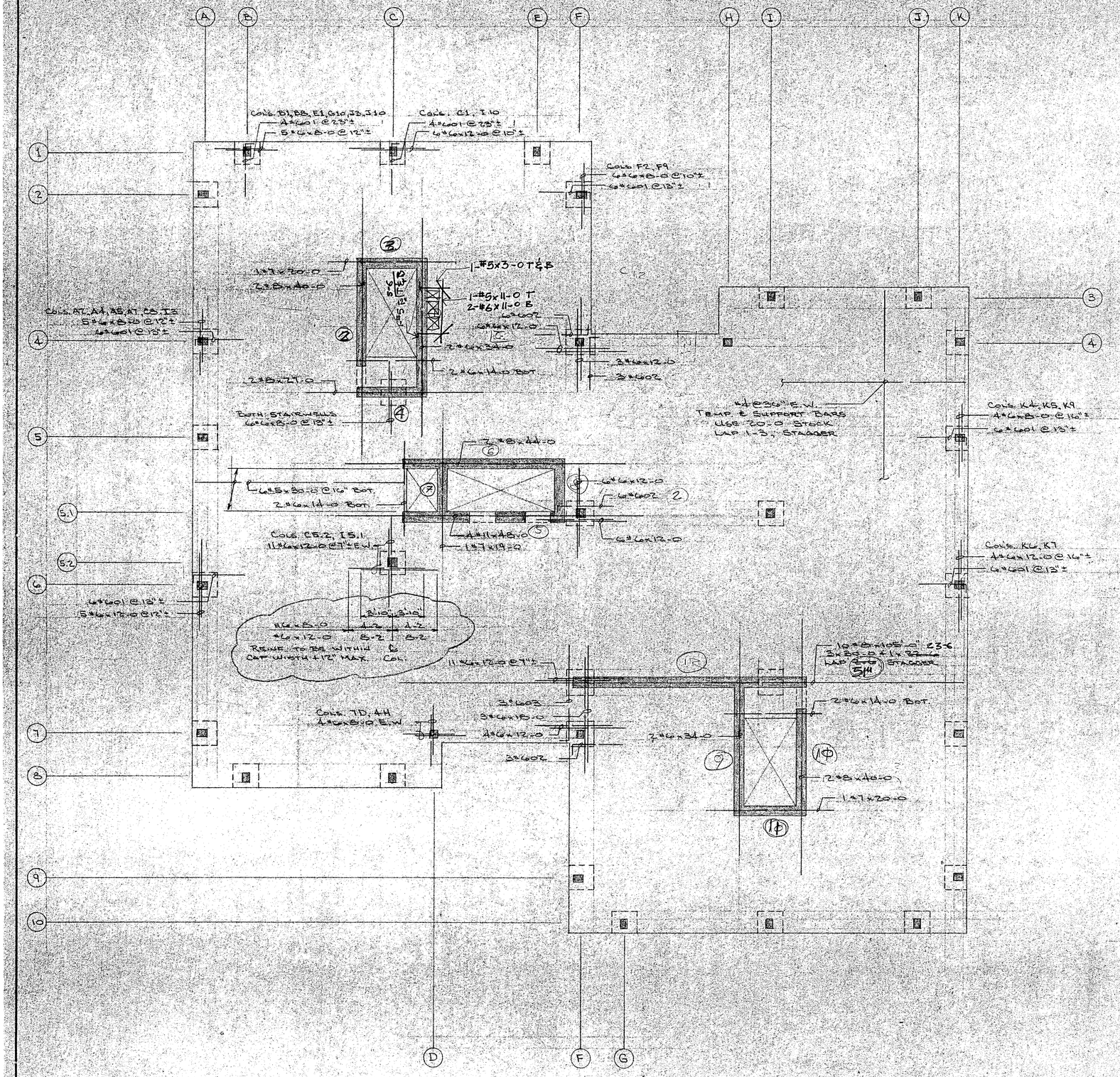
#3 & #4 GRADE 40
ALL OTHER GRADE 60

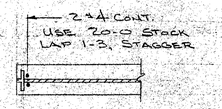
BLDG 2
FIRST FLOOR SLAB

Job _____ Cont. No. _____ Part No. _____ Sht. 2

60 144
61 145
62 146
63 147
64 148
65 149
66 150
67 151
68 152
69 153
70 154
71 155
72 156
73 157
74 158
75 159
76 160
77 161
78 162
79 163
80 164
81 165
82 166
83 167
84 168

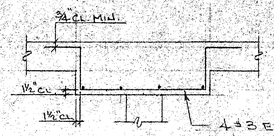
JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 26A





TYPICAL DETAIL @ ANCHORS

SLAB EDGE DETAILS



4#3 E.W. TYP.
COLS. C5.2, I5.1
4#301 E.W.
ALL OTHER INTERIOR COLS.
4#303 E.W.
TYP. EXTERIOR COLS. U.O.N.
4#301, 4#302
COLS. A4, A5, K6, K7
4#303, 4#304
COLS. F4, F7
6#303, 2#304

DROP PANEL DETAIL

office

WATRY ENGINEERING INCORPORATED

Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.

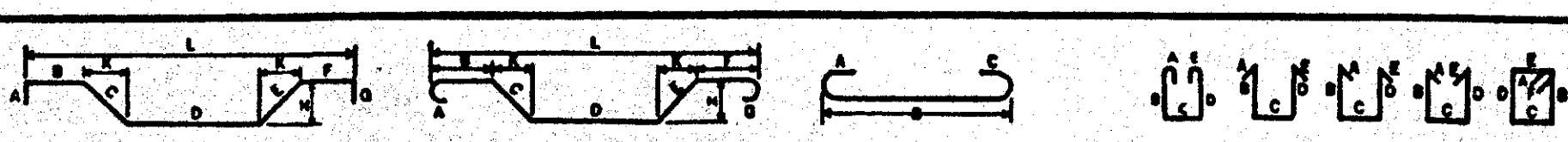
☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit

By: [signature] Date: 7/23/82

RECEIVED
JUL 16 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS STOCKTON, CA			82-12
SCALE	REVISIONS	BY	DATE
DATE 7-12-82			
DR'N. G.D. CKD.			
AP'VD.			
TITLE BLDG 2 - 1ST FLR SLAB		NO. DWG 26	

BRUNING 40-105



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	148	#3	7-6	⌐⌐	301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0	85
2	92	#3	6-1½	⌐⌐	302	1-0	1-0	2-1½	1-0	1-0										86
3																				87
4																				88
5																				89
6																	4	#5	9-6	90
7																	2	|	14-0	91
8																24	~~18~~	|	3-0	92
9																	2	|	6-0	93
10	2	#5	6-10	⌐	501	0-10	6-0										2	|	6-6	94
11	4	#5	6-6	⌐	502	1-0	5-6										6	|	7-0	95
12																	2	#5	8-0	96
13																	2	#5	11-0	97
14																				98
15																				99
16	134	#6	9-0	⌐	601	1-0	8-0										3	#6	18-0	100
17	3	#6	10-0	⌐	602	1-0	9-0										86	|	8-0	101
18	3	#6	16-0	⌐	603	1-0	15-0										81	|	12-0	102
19																	12	|	14-0	103
20																	8	#6	34-0	104
21																	4	#6	11-0	105
22																				106
23																				107
24																				108
25																				109
26																				110

Job _____ Cont. No. _____ Part No. _____ Sht. 1

27																				111
28																	1	#7	20-0	112
29																	1	#7	19-0	113
30																				114
31																				115
32																				116
33																				117
34																	30	#8	30-0	118
35																	10	#8	~~23-6~~ 22-6	119
36																	2	#8	44-0	120
37																				121
38																				122
39																				123
40																				124
41																				125
42																				126
43																				127
44																				128
45																				129
46																				130
47																				131
48																				132
49																				133
50																				134
51																				135
52																				136
53																				137
54																				138
55																				139
56																				140
57																				141
58																				142
59																				143

Job _____ Cont. No. _____ Part No. _____ Sht. 2

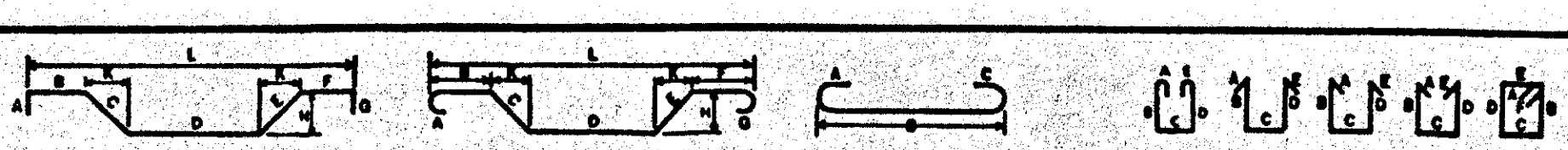
60																				144
61																				145
62																				146
63																				147
64																				148
65																				149
66																				150
67																				151
68																				152
69																				153
70																				154
71																				155
72																				156
73																				157
74																				158
75																				159
76																				160
77																				161
78																				162
79																				163
80																				164
81																				165
82																				166
83																				167
84																				168

#3 & #4 GRADE 40
ALL OTHER GRADE 60

BLDG 2
SECOND FLOOR SLAB

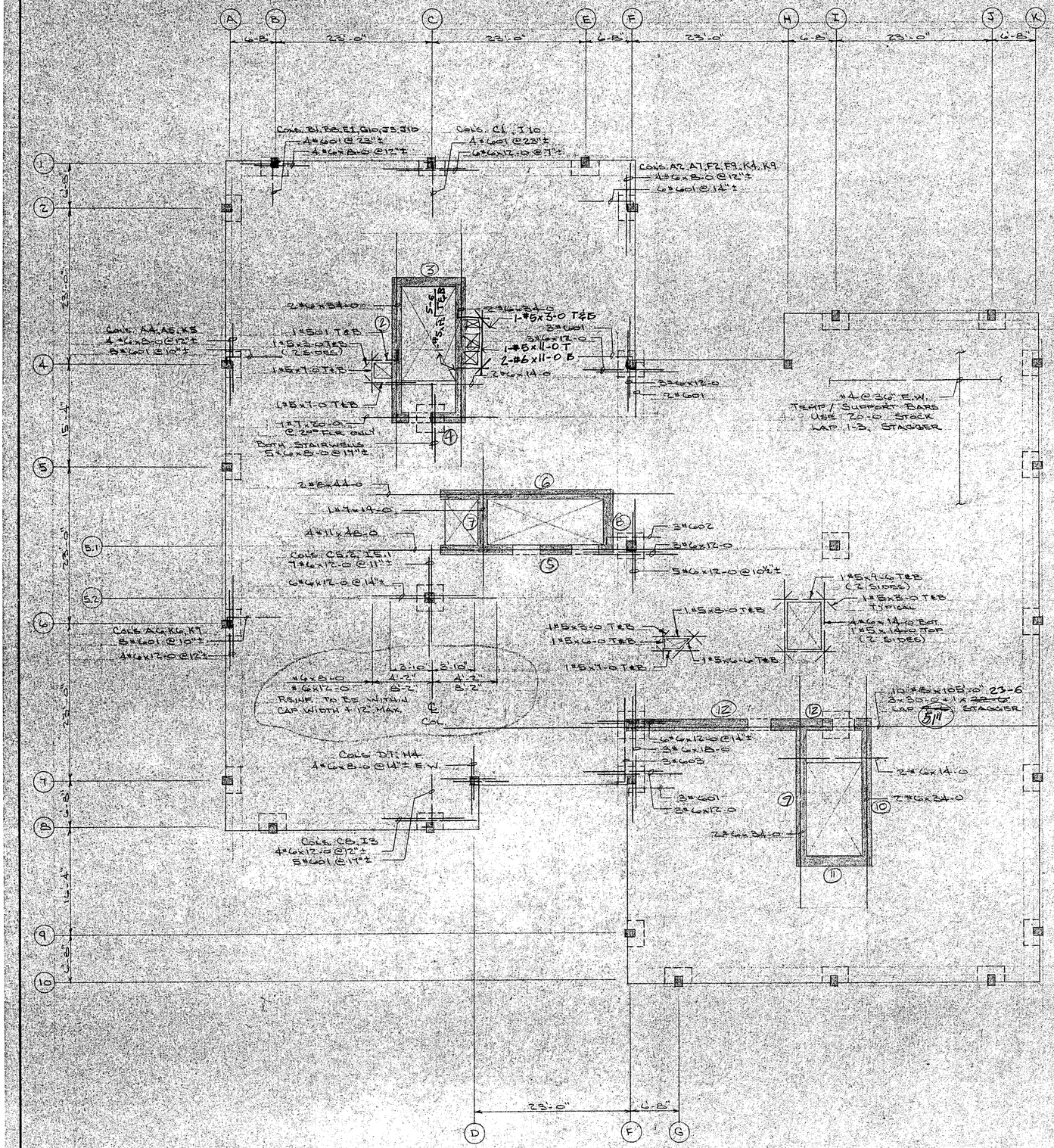
#3	629 #
#4	6279 #
#5	~~226~~ #
#6	~~5164~~ #
#7	80 #
#8	~~3239~~ #
#11	1020 #
	~~16637~~ #

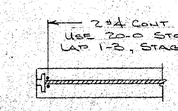
JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 27A



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	148	#3	7-6	⊔	301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0	85
2	92	#3	6-1½	⊔	302	1-0	1-0	2-1½	1-0	1-0										86
3																				87
4																				88
5																				89
6																	4	#5	9-6	90
7																	2		14-0	91
8																	~~10~~ 24		3-0	92
9																	2		6-0	93
10	2	#5	6-10	L	501	0-10	6-0										2		6-6	94
11	4	#5	6-6	L	502	1-0	5-6										6		7-0	95
12																	2	#5	8-0	96
13																	2	#5	11-0	97
14																				98
15																				99
16	134	#6	9-0	L	601	1-0	8-0										3	#6	18-0	100
17	3	#6	10-0	L	602	1-0	9-0										86		8-0	101
18	3	#6	16-0	L	603	1-0	15-0										81		12-0	102
19																	12		14-0	103
20																	8	#6	34-0	104
21																	4	#6	11-0	105
22																				106
23																				107
24																				108
25																				109
26																				110
						Job						Cont. No.					Part No.		Shr. 1	
27																				111
28																				112
29																	1	#7	19-0	113
30																				114
31																				115
32																				116
33																				117
34																	30	#8	30-0	118
35																	10	#8	~~23-6~~ 22-6	119
36																	2	#8	44-0	120
37																				121
38				#3 & #4 GRADE 40																122
39				ALL OTHER GRADE 60																123
40																				124
41																				125
42																	4	#11	48-0	126
43																				127
44																				128
45				BLDG 2								#3	629#							129
46				THIRD FLOOR SLAB								#4	6279#							130
47												#5	~~226~~							131
48												#6	~~5164~~							132
49												#7	39#							133
50												#8	~~3289~~							134
51												#11	1020#							135
52													~~16596~~							136
53																				137
54																				138
55																				139
56																				140
57																				141
58																				142
59																				143
						Job						Cont. No.					Part No.		Shr. 2	
60																				144
61																				145
62																				146
63																				147
64																				148
65																				149
66																				150
67																				151
68																				152
69																				153
70																				154
71																				155
72																				156
73																				157
74																				158
75																				159
76																				160
77																				161
78																				162
79																				163
80																				164
81																				165
82																				166
83																				167
84																				168

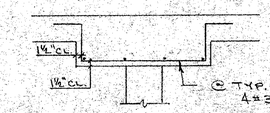
JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 27 B





TYP. DETAIL @ ANCHORS

SLAB EDGE DETAIL



@ TYP. INTERIOR COLUMNS
4-#3@1 @ 13½" E.W.

@ TYP. EDGE COLUMNS
4-#3@1 @ 13½"±
1-#3@2 @ 8"±

@ COLS. F1, F7
3-#3@1 + 1-#3@2 @ 13½"± E.W.

DROP PANEL DETAIL

WATRY ENGINEERING INCORPORATED

Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.

☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit

By: [signature] Date: 7/16/82

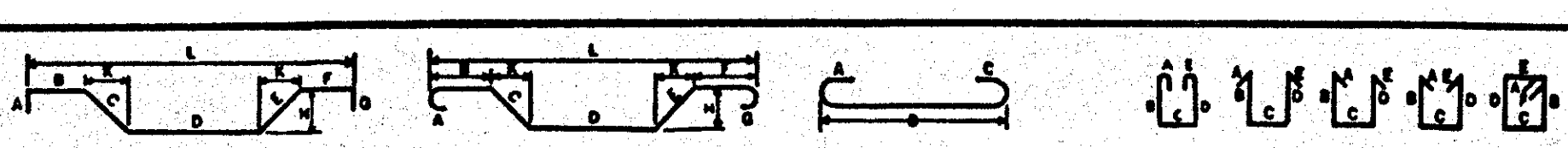
RECEIVED
JUL 16 1982
WATRY ENGINEERING INC.

WATERFRONT TOWERS 82-12
STOCKTON, CA

SCALE	REVISIONS	BY	DATE
DATE 7-9-82			
DR'N CJD CKD.			
APVD.			

TITLE: BLDG 2 - 2ND & 3RD FLR SLAB
NO.: DWG 27

BRUNING 40-105



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	148	#3	7-6	⌐¬	301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0	85
2	92	#3	6-1½	⌐¬	302	1-0	1-0	2-1½	1-0	1-0										86
3																	2	#5	14-0	87
4																	24 18	|	3-0	88
5																	4	|	9-6	89
6																	2	|	6-0	90
7																	2	|	6-6	91
8																	6	|	7-0	92
9																	2	#5	8-0	93
10	2	#5	6-10	L	501	0-10	6-0										2	#5	11-0	94
11	4	#5	6-6	L	502	1-0	5-6													95
12																				96
13																				97
14																				98
15	131	#6	9-0	L	601	1-0	8-0										86	#6	8-0	99
16	3	#6	10-0	L	602	1-0	9-0										81	|	12-0	100
17	3	#6	16-0	L	603	1-0	15-0										12	|	14-0	101
18																	3	#6	18-0	102
19																	4	#6	11-0	103
20																				104
21																				105
22																				106
23																				107
24	120	1½"	CHAIRS																	108
25																				109
26																				110

Job _____ Cont No. _____ Part No. _____ Sht. 1

#3 & #4 GRADE 40
ALL OTHER GRADE 60

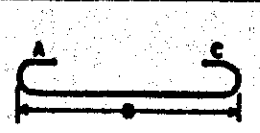
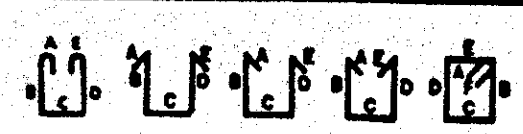
BLDG 1
FOURTH FLOOR SLAB

2	#7	18-0
4	#8	33-0
2	#8	40-0
6	#8	47-0

#3	629#
#4	6279#
#5	~~226~~#
#6	~~4715~~#
#7	74#
#8	1319#
	~~13242~~#

Job _____ Cont No. _____ Part No. _____ Sht. 2

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 28A

PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	148	#3	7-6		301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0	85
2	92	#3	6-1½		302	1-0	1-0	2-1½	1-0	1-0										86
3																	2	#5	14-0	87
4																	~~8~~ 24		3-0	88
5																	4		9-6	89
6																	2		6-0	90
7																	2		6-6	91
8																	6		7-0	92
9																	2	#5	8-0	93
10	2	#5	6-10	L	501	0-10	6-0										2	#5	11-0	94
11	4	#5	6-6	L	502	1-0	5-6													95
12																				96
13																				97
14																				98
15	131	#6	9-0	L	601	1-0	8-0										86	#6	8-0	99
16	3	#6	10-0	L	602	1-0	9-0										81		12-6	100
17	3	#6	16-0	L	603	1-0	15-0										12		14-0	101
18																	3	#6	18-0	102
19																	4	#6	11-0	103
20																				104
21																				105
22	120	1½"	CHAIRS																	106
23																				107
24																				108
25																				109
26																				110

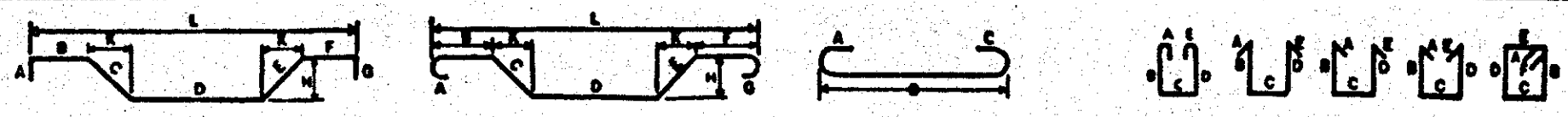
Job _____ Cont. No. _____ Part No. _____ Sht. 1

27																				111
28																				112
29			#3 & #4 GRADE 40																	113
30			ALL OTHER GRADE 60																	114
31																	2	#7	18-0	115
32																				116
33																				117
34																				118
35																				119
36			BLDG 1														4	#8	33-0	120
37			FIFTH FLOOR SLAB														2	#8	40-0	121
38																				122
39																				123
40																				124
41												#3	629 #				4	#9	47-0	125
42												#4	6279 #							126
43												#5	~~226~~ #							127
44												#6	~~715~~ #							128
45												#7	74 #							129
46												#8	5666 #							130
47												#9	639 #							131
48													~~13+26~~ #							132
49																				133
50																				134
51																				135
52																				136
53																				137
54																				138
55																				139
56																				140
57																				141
58																				142
59																				143

Job _____ Cont. No. _____ Part No. _____ Sht. 2

60																				144
61																				145
62																				146
63																				147
64																				148
65																				149
66																				150
67																				151
68																				152
69																				153
70																				154
71																				155
72																				156
73																				157
74																				158
75																				159
76																				160
77																				161
78																				162
79																				163
80																				164
81																				165
82																				166
83																				167
84																				168

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 28B



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	148	#3	7-6	⌐¬	301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0	85
2	92	#3	6-1½	⌐¬	302	1-0	1-0	2-1½	1-0	1-0										86
3																	2	#5	14-0	87
4																	~~24~~ 18		3-0	88
5																	4		9-6	89
6																	2		6-0	90
7																	2		6-6	91
8																	6		7-0	92
9																	2	#5	8-0	93
10	2	#5	6-10	L	501	0-10	6-0										2	#5	11-0	94
11	4	#5	6-6	L	502	1-0	5-6													95
12																				96
13																				97
14																				98
15	131	#6	9-0	L	601	1-0	8-0										86	#6	8-0	99
16	3	#6	10-0	L	602	1-0	9-0										81		12-0	100
17	3	#6	16-0	L	603	1-0	15-0										12		14-0	101
18																	3		18-0	102
19																	8	#6	34-0	103
20																	4	#6	11-0	104
21																				105
22																				106
23	120	1½"	CHAIRS																	107
24																				108
25																				109
26																				110

Job _____ Cont No. _____ Part No. _____ Sht. 1

#3 & #4 GRADE 40
ALL OTHER GRADE 60

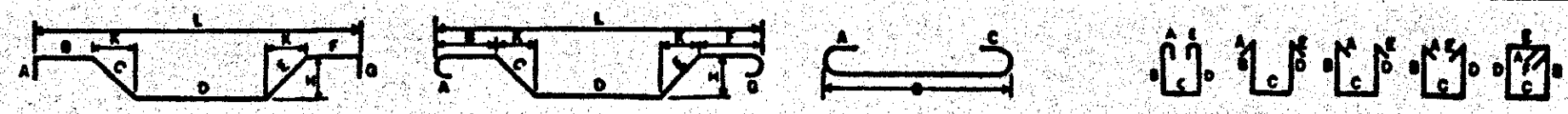
BLDG 2
FOURTH FLOOR SLAB

1	#7	19-0
2	#8	44-0
4	#11	48-0

#3	629 #
#4	6279 #
#5	~~226~~ #
#6	~~5123~~ #
#7	39 #
#8	235 #
#11	1020 #
	~~13551~~ #

Job _____ Cont. No. _____ Part No. _____ Sht. 2

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 28C



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH
1	148	#3	7-6	⌐¬	301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0
2	92	#3	6-1½	⌐¬	302	1-0	1-0	2-1½	1-0	1-0									
3																	2	#5	14-0
4																	~~18~~ 24	|	3-0
5																	4	|	9-6
6																	2	|	6-0
7																	2	|	6-6
8																	6	|	7-0
9																	2	#5	8-0
10	2	#5	6-10	⌐	501	0-10	6-0										2	#5	11-0
11	4	#5	6-6	⌐	502	1-0	5-6												
12																			
13																			
14																			
15	131	#6	9-0	⌐	601	1-0	8-0										86	#6	8-0
16	3	#6	10-0	⌐	602	1-0	9-0										81	|	12-0
17	3	#6	16-0	⌐	603	1-0	15-0										12	|	14-0
18																	3	|	18-0
19																	8	#6	34-0
20																	4	#6	11-0
21																			
22																			
23	120	1½"	CHAIRS																
24																			
25																			
26																			

Job _____ Cont. No. _____ Part No. _____ Sht. 1

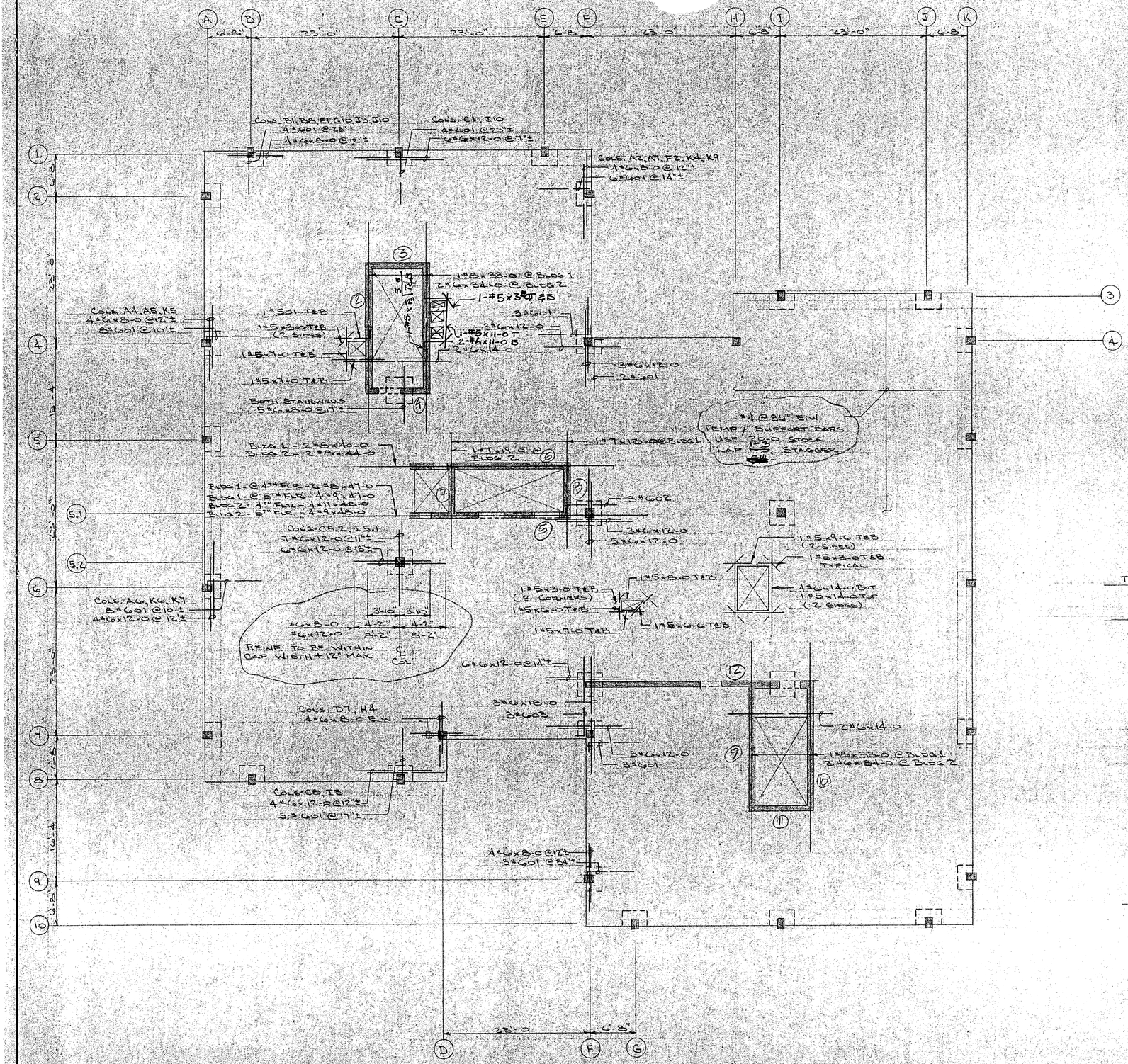
#3 & #4 GRADE 40
ALL OTHER GRADE 60

BLDG 2
FIFTH FLOOR SLAB

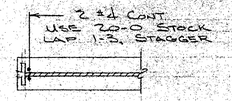
#3	629 #
#4	6279 #
#5	~~226~~ #
#6	~~1129~~ #
#7	39 #
#8	235 #
#9	653 #
	13184 #

Job _____ Cont. No. _____ Part No. _____ Sht. 2

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 28D

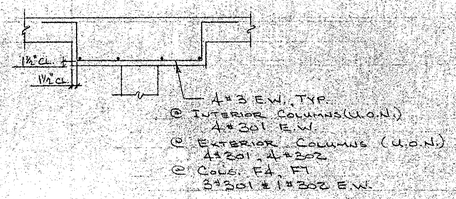


PLAN



TYPICAL DETAIL @ ANCHORS.

SLAB EDGE DETAIL



DROP PANEL DETAIL

WATRY ENGINEERING INCORPORATED

Our review of these shop drawings is only for general compliance with the structural drawings and specifications. Our review does not guarantee in any way that the shop drawings are correct, nor does it infer that they supercede the structural drawings.

☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit

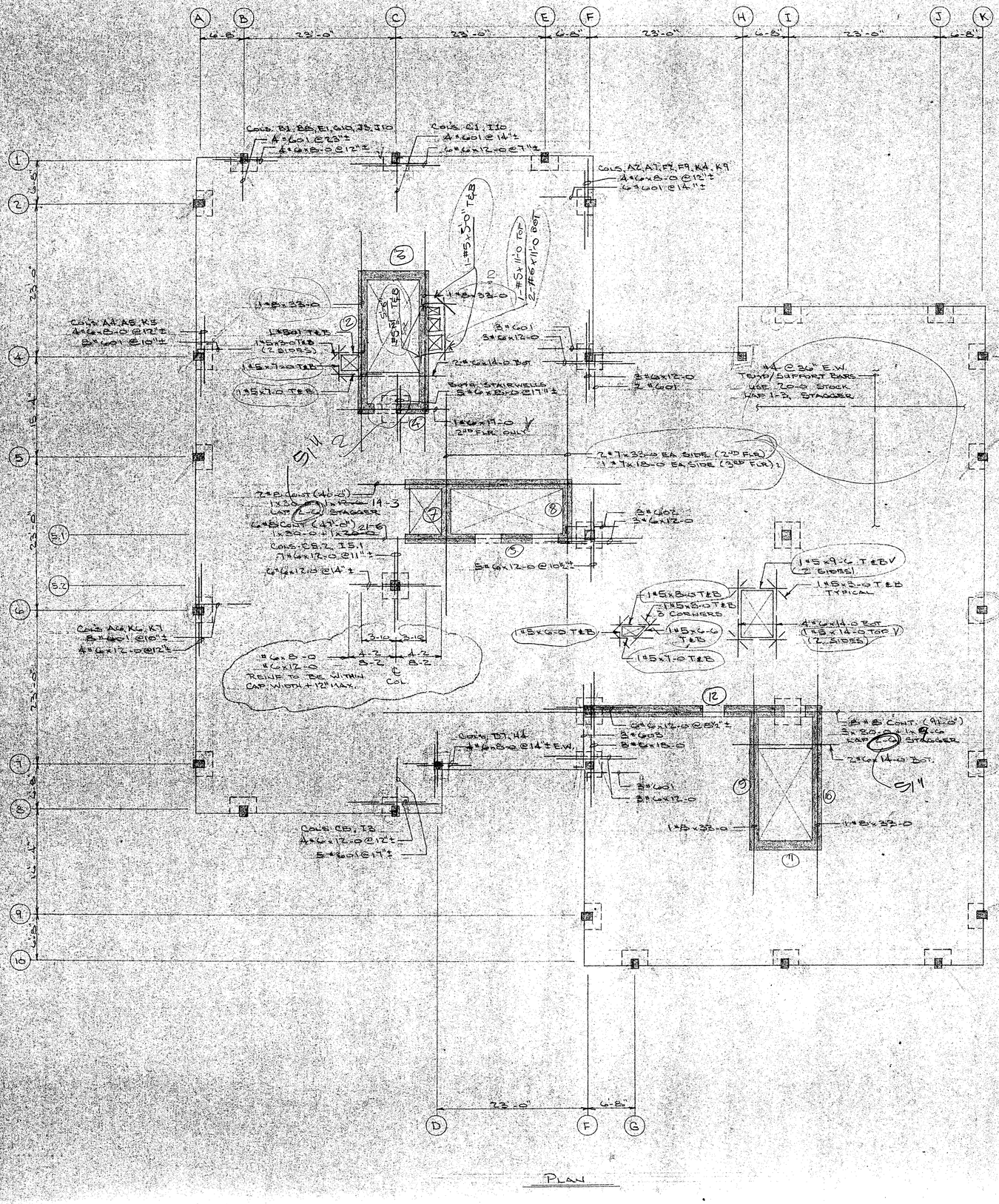
By: [signature] Date: 7/23/82

RECEIVED
JUL 16 1982
WATRY ENGINEERING INC.

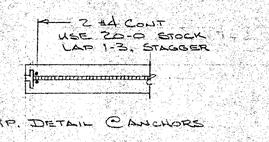
WATERFRONT TOWERS STOCKTON, CA			82-12
SCALE	REVISIONS	BY	DATE
DATE 7-12-82			
DR'N. G.D. CKD.			
AP'VD.			
TITLE BLDG 1 & 2 4TH & 5TH FLR. SLAB		NO. DWG 28	

BRUNING 40-105

Office

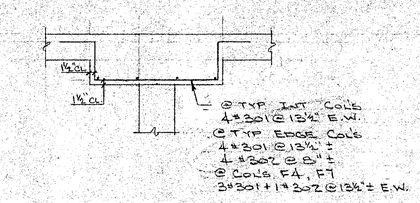


PLAN



TYP. DETAIL @ ANCHORS

SLAB EDGE DETAIL



DROP PANEL DETAIL

WATRY ENGINEERING INCORPORATED

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- ☐ No Exceptions Taken
- ☒ Make Corrections Noted
- ☐ Revise and Resubmit

By George Date: 7/2/82

RECEIVED
JUN 29 1982
WATRY ENGINEERING INC.

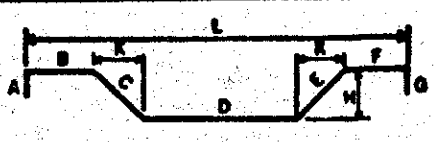
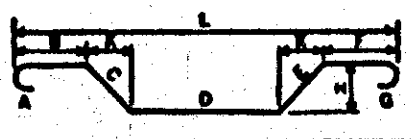
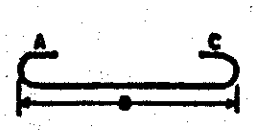
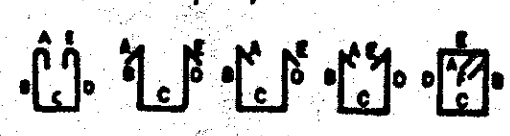
WATERFRONT TOWERS 82-12
STOCKTON, CA.

SCALE	REVISIONS	BY	DATE
DATE 6-24-82			
DR'N. G.D. CKD			
AP'VD.			

TITLE BLDG 1 2ND & 3RD FLRS

NO. DWG 25

office

PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	148	#3	7-6	⊐⊏	301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0	85
2	92	#3	6-1½	⊏	302	1-0	1-0	2-1½	1-0	1-0										86
3																				87
4																				88
5																				89
6																	4	#5	9-6	90
7																	2		14-0	91
8																2A	~~18~~		3-0	92
9																	2		6-0	93
10																	2		6-6	94
11																	6		7-0	95
12																	2	#5	8-0	96
13																	1	#5	11'-0"	97
14																				98
15	2	#5	6-10	L	501	0-10	6-0													99
16	4	#5	6-6	L	502	1-0	5-6													100
17																				101
18																				102
19																				103
20																				104
21																	2	#6	11'-0"	105
22																	3	#6	18-0	106
23																	86		8-0	107
24																	81		12-0	108
25																	12		14-0	109
26																	1	#6	19-0	110
						Job						Cont. No.					Part No.		Sht. 1	
27	134	#6	9-0	L	601	1-0	8-0													111
28	3	#6	10-0	L	602	1-0	9-0													112
29	3	#6	16-0	L	603	1-0	15-0													113
30																	4	#7	33-0	114
31																				115
32																				116
33																				117
34																				118
35				#3 & #4 GRADE 40																119
36				ALL OTHER GRADE 60													32	#8	30-0	120
37																	~~8~~		~~8-6~~	121
38																	4		33-0	122
39																	2		~~14-3~~ 12-6	123
40																	6	#8	~~30-0~~ 21-6	124
41																				125
42																				126
43																				127
44																				128
45																				129
46																				130
47																				131
48																				132
49																				133
50																				134
51																				135
52				BLDG 1																136
53				SECOND FLOOR SLAB																137
54																				138
55																				139
56																				140
57																				141
58																				142
59																				143
						Job						Cont. No.					Part No.		Sht. 2	
60																				144
61																				145
62																				146
63																				147
64																				148
65																				149
66																				150
67																				151
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72																				156
73																				157
74																				158
75																				159
76																				160
77																				161
78																				162
79																				163
80																				164
81																				165
82																				166
83																				167
84																				168

#3	629 #
#4	6279 #
#5	~~226~~ #
#6	~~1780~~ #
#7	270 #
#8	~~3451~~ #
	15668 #

WATRY ENGINEERING INCORPORATED

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☐ No Exceptions Taken

☒ Make Corrections Noted

☐ Revise and Resubmit

By: [illegible] Date: 6/28/82

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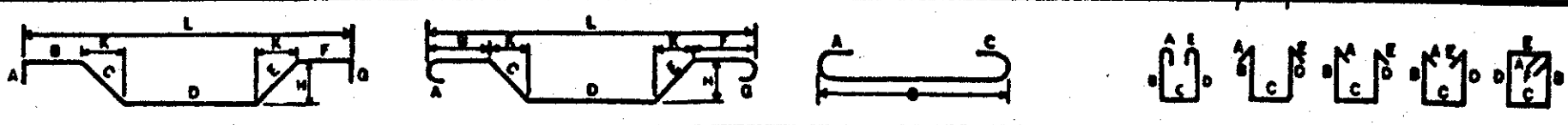
JUN 29 1982
WATRY ENGINEERING INC.

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 25A

Office



PLACING DATA LOCATION ETC	NO PCS	SIZE	LENGTH	SHAPE	MARK	DIMENSIONS A	B	C	D	E	F	G	H	K	L	RADIUS INSIDE	NO PCS	SIZE	LENGTH	
1	148	#3	7-6	⊔	301	1-0	1-0	3-6	1-0	1-0							470	#4	20-0	85
2	92	#3	6-1½	⊏	302	1-0	1-0	2-1½	1-0	1-0										86
3																				87
4																				88
5																				89
6																	4	#5	9-6	90
7																	2	|	14-0	91
8																24	~~18~~	|	3-0	92
9																	2	|	6-0	93
10																	2	|	6-6	94
11																	6	|	7-0	95
12																	2	#5	8-0	96
13																	1	#5	11-0 11	97
14																				98
15	2	#5	6-10	L	501	0-10	6-0													99
16	4	#5	6-6	L	502	1-0	5-6													100
17																				101
18																				102
19																				103
20																				104
21																	2	#6	11-0	105
22																	3	#6	18-0	106
23																	86	|	8-0	107
24																	81	|	12-0	108
25																	12	#6	14-0	109
26																				110
						Job							Cont. No.				Part No.		Shi. 1	
27	134	#6	9-0	L	601	1-0	8-0													111
28	3	#6	10-0	L	602	1-0	9-0													112
29	3	#6	16-0	L	603	1-0	15-0													113
30																				114
31																	2	#7	18-0	115
32	120	1½"	CHAIRS																	116
33																				117
34			#3 & #4 GRADE 40																	118
35			ALL OTHER GRADE 60																	119
36																	32	#8	30-0	120
37																	8	|	~~9-6~~	121
38						#3	629#										4	|	33-0	122
39						#4	6279#										2	|	~~14-2~~	123
40						#5	~~226#~~										6	#8	~~21-6~~	124
41						#6	~~4755~~												21-6	125
42						#7	74#													126
43						#8	3484#													127
44							~~15447#~~													128
45																				129
46																				130
47																				131
48																				132
49																				133
50																				134
51																				135
52																				136
53																				137
54																				138
55																				139
56																				140
57																				141
58																				142
59																				143
						Job							Cont. No.				Part No.		Shi. 2	
60																				144
61																				145
62																				146
63																				147
64																				148
65																				149
66																				150
67																				151
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71																				155
72																				156
73																				157
74																				158
75																				159
76																				160
77																				161
78																				162
79																				163
80																				164
81																				165
82																				166
83																				167
84																				168

BLDG 1
THIRD FLOOR SLAB

WATRY ENGINEERING INCORPORATED
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☐ No Exceptions Taken
☒ Make Corrections Noted
☐ Revise and Resubmit
By: [illegible] Date: 7/2/82

RECEIVED
JUN 29 1982
WATRY ENGINEERING INC.

JOB NAME WATERFRONT TOWERS CONT. NO. 82-12 DRWG. NO. 25B