

Weekly Status Report
Assessment of Embedment Plates
Status as of May 13, 1987

Commonwealth Edison Company
Dresden Station - Units 2 and 3
Quad Cities Station - Units 1 and 2

May 13, 1987

8705270145 870513
PDR ADDCK 05000237
R PDR

I. Introduction

This is the ninth of a series of reports which address the effort to resolve the issue regarding the embedment plates which were constructed with strap anchor spacing other than those used in the design. The purpose of this report is to update the Nuclear Regulatory Commission, Region III regarding the status for this effort. This ninth report consists of a summary of work performed during last two weeks.

II. Dresden Station

Per the Milestone Bar Chart (Attachment 1), a walkdown at Dresden is continuing. Except for following up on a small number of hangers, the walkdown is essentially complete. We expect to complete the field walkdown activity by the end of this month.

The previous Status Reports had indicated that some ultrasonic test results have shown strap anchor spacings of 24" (± 1 ") on center. This 24" spacing was found only on some Mark A plates at Elevation 517'-6" Dresden Unit 2 Reactor Building (See Appendix A). It was also mentioned that the 24" spacing will have a minimal impact on the overall assessment program. Analytical confirmation of this has been completed. For 24" spacing, allowable loads have been developed for various attachment sizes and attachment locations to replace allowable loads initially generated for the 18" spacing. As explained in previous status reports, the 24" spacing is believed to apply to only some of the Mark A plates at Elevation 517'-6" Dresden Unit 2 Reactor Building floor. Thus assessment for 24" spacing of anchors is necessary for only these plates. Some of the Mark A plates have 18" strap anchor spacing based on ultrasonic testing data. All the remaining Mark A plates for which ultrasonic testing was not requested have been conservatively reassessed using 24" spacing and the hanger loads on these plates, except for one hanger, have been found to be within the new allowables developed for 24" spacing. For one hanger ultrasonic testing of embedment plate has been requested.

The following describes the action on certain embedment plates at Dresden Station for which the shop drawings indicate a strap anchor spacing of 9" along each longitudinal edge of the plate. The strap anchor spacing specified on the shop drawing for these plates matches the design drawing spacing. Large bore hangers attached to these plates were divided into those in the exterior regions of the plates and those in the interior regions of the plates. The hangers in the exterior regions were assessed by conservatively using the exterior region 18" spacing allowable loads to determine which hangers

should be in walkdown scope. The hangers in the interior regions were not assessed because the strap anchor spacing on the shop drawings matches that on the design drawing. These hangers on the interior regions have now also been assessed conservatively by using the allowable loads for 18" strap anchor spacing. The assessment is complete and has resulted in approximately 47 additional hangers requiring walkdown. At present all hangers except for six have been walked down and ultrasonic testing data for about eight hangers has been requested. The hanger numbers in attachments 2A and 4A have been revised to incorporate this data.

Due to high radiation in certain areas of the plant, 21 hangers are presently inaccessible. Walkdowns for these hangers will be performed when conditions permit.

Attachments 4A and 5A show the current cumulative status of work progress.

III. Quad Cities Station

Per the Milestone Bar Chart (Attachment 1), the walkdown at Quad Cities is continuing. Except for following up on a small number of hangers, the walkdown is essentially complete. We expect to complete the field walkdown activity by the end of this month.

The current cumulative status is indicated in Attachment 4B.

Due to high radiation in areas of the plant, 20 hangers are presently inaccessible. Walkdowns for these hangers will be performed when conditions permit.

In the course of the program, we have performed additional office assessment work on the number of hangers originally considered to be in the walkdown scope. Through this effort we have been able to reduce the number of hangers requiring walkdown. This data is now incorporated in the revision to Attachment 2B.

Attachment 5B shows the present status of ultrasonic testing data and resulting embedment plate assessment.

IV. Current Status of Other Items Affecting both Dresden and Quad Cities Stations

This section is added in this status report to discuss the status of the following items common to both stations.

- A. As indicated in the first Status Report, concurrent with the assessment of hangers on the basis of available loads, confirmation of hanger load data by appropriate CECO piping analysis consultants

was a part of the program. At present virtually all loads used in the assessment program have been confirmed. A small number of hangers have been added to the walkdown scope as a result of this confirmation. Attachment 2A and 2B have been revised to incorporate this data.

- B. Situations where hangers on an embedment plate were plotted more than 12" apart were assessed by considering one attachment load at a time. During the walkdown, it was found that in some cases, hangers were physically installed within 12" of each other and hence required an assessment of that portion of the plate by considering the effect of both loads simultaneously. Such situations essentially increased the number of hangers in walkdown scope. Attachment 2A and 2B have been revised to incorporate this data.
- C. The key plans on pipe hanger drawings were used to locate and plot hanger attachments on embedment plate plan drawings. During this plotting, some hanger locations plotted such that the attachment locations were not on embedment plates. Since the hanger drawings showed attachment to embedment plates, these hangers were walked down to confirm their as-built location. In general, it was found that the hanger drawing detail showing attachment to embedment plate was correct and the reference dimension on the hanger drawing key plan was inaccurate. These hangers were assessed using the walkdown information. In general, these hangers were found to have a small effect on the number of hangers included in the basic walkdown scope. The number of hangers which affected the walkdown scope hangers have been incorporated in attachments 2A, 2B, 4A and 4B.
- D. During the walkdown, some of the hangers plotted on the embedment plate drawings could not be located or were found to be removed. These hangers were generally shown on the original piping vendor drawings. Most of the hanger drawings on safety-related pipes have been revised and redrawn during the IEB 79-14 and Mark I programs. Hence a document review to confirm that these hangers were either removed by design intent during such programs or that they were not considered in the piping analysis during these programs is underway. Some of these hangers were shown on vendor drawings and also subsequently shown on appropriate AE drawings during the above mentioned programs. In the present embedment plate assessment program, these hangers were plotted on the embedment plate drawings as distinct hangers.

The duplication however was observed during the walkdown. A document review to confirm that this is in fact the case is in progress. The number of hangers involved in these two categories is small. This data is included as detailed present status summarizes in Attachments 4A and 4B. The numbers in Attachments 2A and 2B indicate the current number of hangers in the walkdown scope of each station. The numbers in Attachments 4A and 4B indicate the number of hangers actually walked down. The detailed present status summaries in Attachments 4A and 4B tie these numbers together and indicate that only a small number of hangers are left to be walked down at each station.

V. Attachments

The following attachments are included in this weekly report.

1. Milestone Bar Chart - Dresden and Quad Cities
2. Summary of Status
 - 2A Dresden
 - 2B Quad Cities
3. Number of Embedment Plates
 - 3A Dresden
 - 3B Quad Cities
4. Phase i - Walkdown and Evaluation Status Summary
 - 4A Dresden
 - 4B Quad Cities
5. Phase ii - Walkdown and Evaluation Status Summary
 - 5A Dresden
 - 5B Quad Cities
6. Appendix A - 24 inch Anchor Spacing

Note: Attachments 1, 3 and Appendix A have not changed. Attachments 2A, 2B, 4A, 4B, 5A and 5B have been revised to show current cumulative status and to incorporate the changes in the number of hangers as described in this report.

Dresden 263 Bar Chart for Embedment Plate Issue Resolution
 Quad Cities 162 Bar Chart for Embedment Plate Issue Resolution

DRESDEN QUAD CITIES

ACTIVITY	WEEK BEGINNING MONDAY											
	2/9/87	2/16/87	2/23/87	3/2/87	3/9/87	3/16/87	3/23/87	3/30/87	4/6/87	4/13/87	4/20/87	4/27/87
- CECO requests S&L's assistance for one failed emb. plate at Dresden Unit 2 (2/11/87)	█											
- S&L assesses failed plate and informs CECO that the strap spacing on emb. plate shop dwg. is different from S&L's design dwg.		▬										
- CECO requests a review of additional shop dwgs., a mockup plate ECN for UT calibration and determination of plate capacity per shop dwg. detail. Repair of failed plate is issued.		█										
- S&L obtains prints of large bore hanger dwgs. with attachment to emb. plate.		▬	▬	▬								
- S&L prepares hanger location dwgs.		▬	▬	▬	▬							
- S&L sorts and plots hanger attachments (drafting). In addition, S&L locates seams of emb. plates using piece marks on shop dwgs.		▬	▬	▬	▬							
- S&L generates emb. plate capacity.		▬	▬	▬								
- S&L performs an engineering assessment and identifies those hangers which meet the shop dwg. plate capacity and hence are of no concern.			▬	▬	▬							
- S&L performs a sort of remaining hangers into those which may potentially affect piping system function and those for which the embedment plate FSAR allowables are exceeded.			▬	▬	▬	▬						

Dresden 263 Bar Chart for Embedment Plate Issue Resolution

Quad Cities 162 Bar Chart for Embedment Plate Issue Resolution

DRESDEN QUAD-CITIES

ACTIVITY	WEEK BEGINNING MONDAY											
	2/9/87	2/16/87	2/23/87	3/2/87	3/9/87	3/16/87	3/23/87	3/30/87	4/6/87	4/13/87	4/20/87	4/27/87
<p>S&L/CECO performs a walkdown for those hangers which may potentially affect piping system analysis and determine attachment location relative to edges of emb. plate and strap. If necessary, CECO performs UT for strap location.</p> <p>S&L utilizes walkdown data to perform a sort of these hangers to identify those hangers which still may potentially affect piping system analysis.</p> <p>S&L/CECO perform a walkdown for those hangers which may potentially cause embedment plate FSAR allowables to be exceeded.</p> <p>Assess these hangers based on walkdown data and issue repairs as necessary.</p>						<input type="checkbox"/> CONTINUING		<input type="checkbox"/> CONTINUING				

Attachment IV

Table Summary

Drawings

Description	APPROXIMATE TOTALS OF LARGE BORE PIPE HANGERS ON EMBEDMENT PLATES								
	Total	In Unit #?	In Unit #?	Safety Related	Nonsafety Related	Reactor Bldg.	Building Bldg.	Load > Upper Limit	Load > FSAR
Large bore hangers collected for follow-up work	2259	1660	1174	750	1480	1450	750	-	-
Result of first sort using generic 2 1/2" x 2 1/2" attachment size allowable limits (number of hangers requiring follow-up work)	1440	230	210	170	270	380	60	250	150
Result of second sort using generic larger attachment size allowable limits where applicable (number of hangers requiring follow-up work)	428	260	168	129	299	314	114	231*	197**
Result of walkdown and evaluation for hangers with loads > allowable upper limits (number of hangers requiring follow-up work)									
- Phase i - Visual data obtained from floor									
- Phase ii - Utilizing UT data for strap location									
Result of walkdown and evaluation for hangers with load > allowable FSAR limits (number of hangers requiring follow-up work)									
- Phase i - Visual data obtained from floor									
- Phase ii - Utilizing UT data for strap location									

See Note

The table above describes the results of large bore hanger drawing collection, plotting and sorting. Numerical values represent number of hangers and are approximate numbers.

* 87 Safety-related, 144 Nonsafety-related

** 42 Safety-related, 155 Nonsafety-related

Note 1: The number of hangers in this line has been revised to include the effect of items discussed in the text of this report.

Status Summary

Quad Cities

DESCRIPTION	APPROXIMATE NUMBER OF LARGE BORE PIPE HANGERS ON EMBEDMENT PLATES								
	Total	In Unit #1	In Unit #2	Safety Related	Nonsafety Related	Reactor Bldg.	Turbine Bldg.	Loads Upper Limit	Loads FSAR
Large bore hangers collected for follow-up work (Excludes 60 hangers on different strap plate)	2000	1000	1000	400	1600	1380	620	-	-
Result of first sort using generic 2½" x 2½" attachment size allowable limits (number of hangers requiring follow-up work)	-	-	-	-	-	-	-	-	-
Results of second sort using generic larger attachment size allowable limits where applicable (number of hangers requiring follow-up work)	146	71	75	72	74	109	37	93*	53**
Result of walkdown and evaluation for hangers with loads > allowable upper limits (number of hangers requiring follow-up work)									
- Phase i - Visual data obtained from floor									
- Phase ii - Utilizing UT data for strap location									
Result of walkdown and evaluation for hangers with load > allowable FSAR limits (number of hangers requiring follow-up work)									
- Phase i - Visual data obtained from floor									
- Phase ii - Utilizing UT data for strap location									

See Note

The table above describes the results of large bore hanger drawing collection, plotting and sorting. Numerical values represent number of hangers and are approximate numbers.

* 39 Safety-related, 54 Nonsafety-related

** 33 Safety-related, 20 Nonsafety-related

Note 1: The number of hangers in this line has been revised to include the effect of items discussed in the text of this report.

Attachment #3A
Number of Embedded Plates
Dresden

The following table shows a breakdown of number of embedded plates with large bore pipe hangers attached to them. The numbers indicated are approximate.

Bldg - Unit	Unit #2	Unit #3	Total
Reactor Building	360	470	830
Turbine Building	90	100	190
Total	450	570	1020

Attachment -3B
Number of Embedded Plates
Quad Cities

The following table shows a breakdown of number of embedded plates with large bore pipe hangers attached to them. The numbers indicated are approximate.

Bldg - Unit	Unit #1	Unit #2	Total
Reactor Building	400	400	800
Turbine Building	180	190	370
Total	580	590	1,170

ATTACHMENT 4A

Phase I Walkdown and Evaluation Status Summary - Dresden

Notes: Evaluate = Compare loads with upper limit and EGAR allowables for the specific attachment location to determine whether these limits are satisfied.

Cumulative Status as of	APPROXIMATE NUMBER OF UPPER LIMIT HANGERS (UL)							APPROXIMATE NUMBER OF EGAR HANGERS				
	Walked Down (1)	Evaluated (2)	SORT OF EVALUATED HANGERS				Being Evaluated (7) (7) - (8)	Walked Down (9)	Evaluated (10)	Sort of Evaluated Hangers		Being Evaluated (12) (12) - (13)
			Satisfied Upper Limit (3)	Satisfied EGAR (Subject of 3) (4)	Not Satisfied Because					Satisfied EGAR (11) (11) - (10)	Not Satisfied EGAR (13) (13) - (10)	
					UL (5) (5) - (3) (Subject of 3)	EGAR (6) (6) - (4)						
3/12/87	27	17	17	7		11	25	31	2	27		29
3/26/87	74	67	66	34		21	20	4	64	63	17	12
4/7/87	107	99	91	50		22	20	8	87	87	21	6
4/9/87	122	107	69	53		38	54	15	91	47	33	11
4/16/87	128	120	7	66		51	77	17	108	67	42	12
4/23/87	133	131	35	67		50	70	7	126	64	64	18
4/30/87	156	149	91	66		58	83	7	132	77	47	8
5/13/87	178	167	102	74		65	93	12	147	88	56	3

Summary as of 5/13/87

Item	Approximate Number of Hangers
Walked Down (Column (1) + Column (2))	325
Presently inaccessible (Section II)	21
Physically removed or could not be located (Section IV, D)	66
Remain to be walked down	16
Total of above lines = total in walkdown scope (Attachment 2A)	428

ATTACHMENT 2B

Phase I Walkdown and Evaluation Status Summary - Quad Cities

Note: Evaluate Company loads with upper limit and ESAR allowable for the specific attachment location to determine whether these limits are satisfied.

Cumulative Date Walked Down	APPROXIMATE NUMBER OF UPPER LIMIT HANGERS (HL)							APPROXIMATE NUMBER OF ESAR HANGERS					
	Walked Down ①	Evaluated ②	SORT OF EVALUATED HANGERS				Being Evaluated ⑦ = ① - ②	Walked Down ⑧	Evaluated ⑨	Sort of Evaluated Hangers			Being Evaluated ⑬ = ⑩ - ⑪
			Satisfied Upper Limit ③	Satisfied ESAR (Subject of 3) ④	PT Requested Because Poor Not Satisfy					Satisfied ESAR ⑩	PT Requested Because Poor Not Satisfy ESAR		
					HL ⑤	⑥					ESAR ⑫	⑭	
(Subject of ⑥)													
4/7/87	24	4	0	0	0	0	24	4	0	0	0	0	0
4/9/87	33	18	3	3	15	15	15	20	11	9	2	9	9
4/15/87	41	36	15	17	20	24	20	32	23	14	0	23	23
4/23/87	52	47	20	19	28	37	4	37	28	17	0	28	28
4/30/87	56	53	22	16	31	37	3	37	25	19	6	31	31
5/13/87	61	59	23	16	36	43	2	37	32	23	9	36	36

Summary as of 5/13/87

Item	Approximate Number of Hangers
Walked down (Column ① + Column ⑧)	98
Presently inaccessible (Section III)	20
Physically removed or could not be located (Section IV, D)	13
Remain to be walked down	15
Total of above lines = Total in walk-down scope (Attachment 2B)	146

Attachment 5A

Phase ii Walkdown and Evaluation Status Summary - Dresden

This table represents the status of those hangers for which U.T. data was requested. These hangers fall into the categories shown below.

Cumulative Status As Of	APPROXIMATE NUMBER OF UPPER LIMIT HANGERS (UL)								APPROXIMATE NUMBER OF FSAR HANGERS					
	U.T. Requested (Column 5 of Attachment 4A)	U.T. Received	Evaluated	Sort of Evaluated Hangers				Being Evaluated	U.T. Requested (Columns 11 + 6 - 5 of Attachment 4A)	U.T. Received	Evaluated	Sort of Evaluated Hangers		Being Evaluated
				Upper Limit UL		FSAR Limit						Satisfies FSAR	Does Not Satisfy FSAR	
				Satisfies UL	Does Not Satisfy UL	Satisfies FSAR	Does Not Satisfy FSAR							
	①	②	③	④	⑤ = ③ - ④	⑥	⑦ = ③ - ⑥	⑧ = ② - ③	⑨	⑩	⑪	⑫	⑬ = ⑪ - ⑫	⑭ = ⑩ - ⑬
4/9/87	38	34	7	7	0	7	0	27	49	23	10	10	0	13
7/14/87	51	38	15	15	0	15	1	31	62	26	12	12	0	14
2/22/87	54	47	20	20	0	20	2	31	77	47	14	14	0	16
4/30/87	58	50	31	31	0	29	2*	19	72	51	28	28	0	23
5/8/87	65	53	41	41	0	38	3*	12	84	61	37	37	0	24

*Embedment plate modifications were issued on 4/11/87, 4/17/87 and 5/4/87.

Attachment 5B

Phase ii Walkdown and Evaluation Status Summary - Quad Cities

This table represents the status of those hangers for which U.T. data was requested. These hangers fall into the categories shown below.

Cumulative Status As Of	APPROXIMATE NUMBER OF UPPER LIMIT HANGERS (UL)								APPROXIMATE NUMBER OF FSAR HANGERS					
	U.T. Requested Column (5) of Attachment 4B	U.T. Received	Evaluated	Sort of: Evaluated Hangers				Being Evaluated	U.T. Requested Columns (11) + (6) - (5) of Attachment 4B	U.T. Received	Evaluated	Sort of Evaluated Hangers		Being Evaluated
				Upper Limit UL		FSAR Limit						Satisfies FSAR	Does Not Satisfy FSAR	
				Satisfies UL	Does Not Satisfy UL	Satisfies FSAR	Does Not Satisfy FSAR							
	(1)	(2)	(3)	(4)	(5) - (3) - (4)	(6)	(7) - (3) - (6)	(8) - (2) - (3)	(9)	(10)	(11)	(12)	(13) - (11) - (12)	(14) - (10) - (11)
4/1/87		17	0	0	0	0	0	17			0	0	0	
4/20/87		24	3	0	0	0	0	17			0	0	0	
4/30/87	31	27	10	10	0	10	0	15	12	10	0	0	0	10
5/8/87	36	33	18	18	0	18	0	15	16	11	5	5	0	6

Appendix A

24" Strap Anchor Spacing

Some ultrasonic test results have shown strap anchor spacings of 24" (± 1 ") on center. The shop drawings for these embedment plates show a spacing of 18". It was suspected that the spacing of 24" may have resulted from either a detailer-fabricator interface not recorded on the shop detail drawing or from a misinterpretation of the detail drawing.

Further review of the data available leads one to believe that the 24" spacing resulted from a misinterpretation of the shop detail drawing. The following is the basis of our belief.

At present a total of 12 plates have been found to have strap anchor spacings of 24". These plates form a portion of the plates detailed on shop detail drawing number 4. This drawing details all ceiling embedment plates at elevation 517'-6" in the Dresden Unit 2 Reactor Building. This is the lowest slab elevation in the plant complex that has ceiling embedment plates. Hence we believe that this was the first slab with ceiling embedments which was constructed at the plant. A portion of shop detail drawing number 4 is included as Figure A1. As shown, the detailing method was to present a generic plan of embedment plate with strap location indicated by the string of dimensions X, Y spaces @ 9", X. The details of individual plates are specified by assigning each plate a piece mark designation and tabulating the data for that plate. Figure A1 shows this plan and a portion of the table. Thus per this table, 66 plates with PC MK "A" were to be fabricated; each with

- a plate length of 10'-0"
- 13 strap anchors per plate
- the dimension string intended to read 6", 12 spaces @ 9", 6".

All of the plates presently found to have 24" spacing are Piece Mark A plates. We believe that these were some of the first plates fabricated. Lacking any further data, we also believe that some of these plates were fabricated with the dimension string incorrectly interpreted to mean 6", 9 spaces @ 12", 6". Such a string of dimension will of course yield a 24" spacing of anchors along each longitudinal edge of plate.

If such reasoning were the complete explanation, one would tend to believe that all plates with piece mark A have 24" spacing. This however is not true. Ultrasonic test results show that 10 other piece mark A plates at this elevation have anchors spaced at 18" (± 1 "). A possible explanation of this fact is as follows:

Shop detail drawing number 4 was voided on January 12, 1967, and a completely new drawing number 4 was prepared. A portion of this new drawing number 4 is shown as Figure A2. The presentation scheme is essentially the same. In this case, however, the string dimension now reads $1\frac{1}{2}$ ", 13 spaces @ 9", $1\frac{1}{2}$ ". This new drawing has a note which reads.

"Strap anchor changes to be effective only for added plates and not affecting plates already on job site per previously approved shop drawing"

Based on this we believe the following:

1. The 6" end distance was changed to $1\frac{1}{2}$ ".
2. Strap anchor spacing of 26" has not been found. This would have been the case had the incorrect interpretation of the dimension string continued, i.e., "13 spaces" would have been misinterpreted to be 13" dimension.

Thus, at present we believe that a limited number of piece mark A plates were fabricated with 24" spacing. We also believe that the error was limited to only Piece Mark A of sheet 4, elevation 517'-6", Reactor Building, Dresden Unit 2.

The UT results indicate that the 24" spacing at present occurs to a very limited extent. We are continuing the analytical work to confirm that the 24" spacing has minimal generic impact.

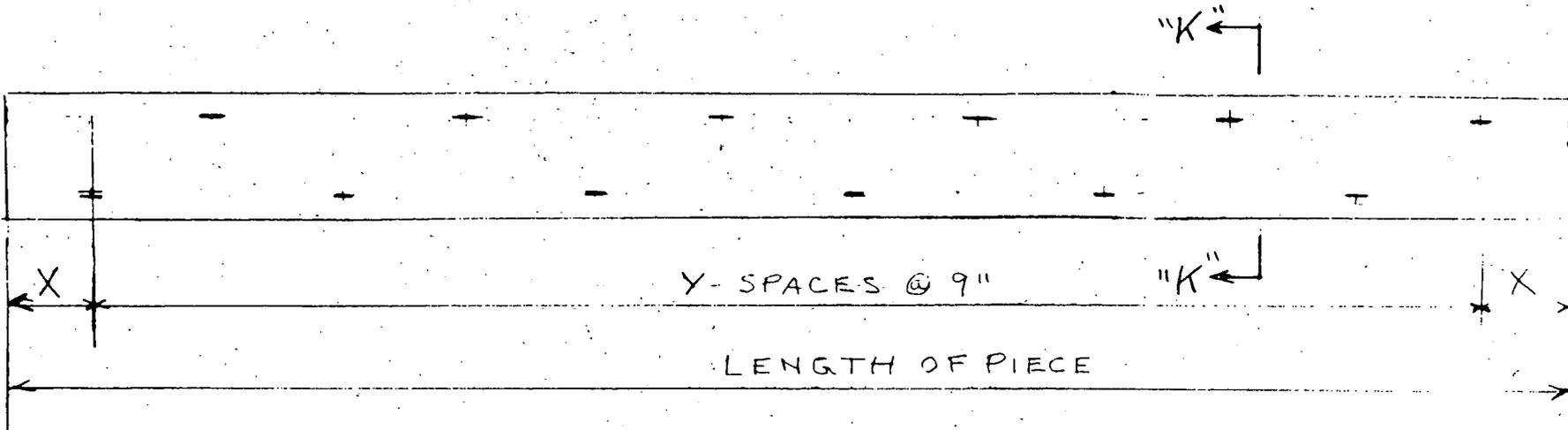


FIGURE A1

PORTION OF SHOP DETAIL DRAWING #4 (ORIGINAL)

RIPPEL SHT. 4 (VOID) REVISED 1-12-67
JOB 6682

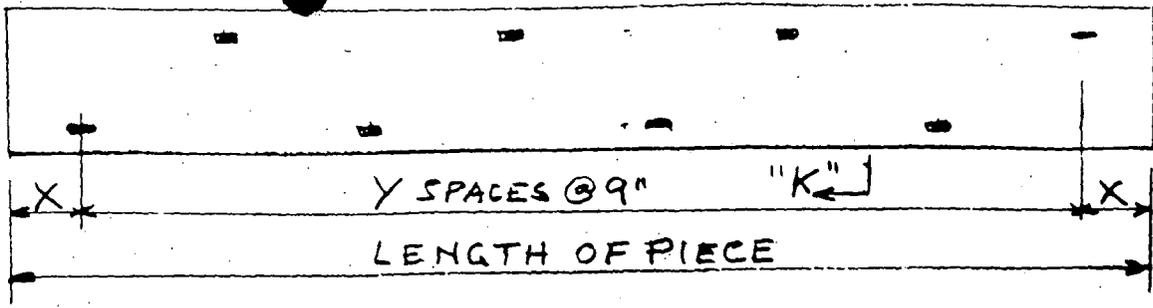
LAST DATE
12-12-66 FOR SHOP

DATE DWG WAS STARTED
11-11-66

FOR B-260 & B-261
(UNIT 2)
DISTRIBUTION 12-8-66

INFORMATION
FROM THE SAME
DRAWING ADDED
HERE BY S&L

PC MK	NO. REQ'D	LENGTH OF PC.	STRAP ANCHORS			
			PER. PC.	TOTAL	X (in.)	Y
A	132 ⁶⁶	10'-0"	13	1716 ⁸⁵⁸	6"	12
B	4 *	7'-0"	9	36	6"	8
C	2 *	2'-9"	4	8	3"	3
D	5 *	3'-0"	4	20	4 1/2"	3
E	2 *	9'-0"	12	24	4 1/2"	11
F	10 20	5'-0"	7	70	3"	6
G	1 *	9'-6"	13	13	3"	12
H	2 *	6'-6"	9	18	3"	8



850
28
55
20
27
10
24
22
25
27

PC. MK	NO. REQ.	LENGTH OF PC.	STRAP ANCHORS			
			PER. PC	TOTAL	"X"	"Y"
A	83	10'-0"	14 X	1162 1089	1 1/2" X	13 X
B	4	7'-0"	10 X	40 X	1 1/2" X	9 X
C	2	2'-9"	4	8	3"	3
D	10 X	3'-0"	4	40 X	4 1/2"	3
E	3	9'-0"	12	36	4 1/2"	11
F	20	5'-0"	7	140	3"	6
G	2	9'-6"	13	26	3"	12
H	3 X	6'-6"	9	36	3"	8
J	1	8'-9"	12	12	3"	11
L	7 X	4'-0"	6 X	42 X	1 1/2" X	5 X

RIPPEL SHIT 4 (REV)
 JOB 6682
 DATE DWG. STARTED 1-12-67
 TO SHOP 2-1-67
 DISTR. 2-2-67
 FOR B-260 & B-261 (UNIT 2)

FIGURE A2

PORTION OF SHOP DETAIL
 DRAWING #4 (REVISED)

3

STRAP ANCHOR CHANGES TO BE EFFECTIVE ONLY FOR ADDED PLATES AND NOT AFFECTING PLATES ALREADY ON JOBSITE PER PREVIOUSLY APPROVED SHOP DRAWING

INFORMATION FROM THE SAME DRAWING ADDED HERE BY SPL