

Reactor – 1947 to 1948

November-47 Reactor

December-47 Reactor

January-48 Reactor

February-48 Reactor

March-48 Reactor

April-48 Reactor

May-48 Reactor

June-48 Reactor

July-48 Reactor

August-48 Reactor

September-48 Reactor

October-48 Reactor

November-48 Reactor

December-48 Reactor

November – 47 Reactor

| Date | Caption | Dept. | Photographer | Number |
|-------|---|-------|--------------|----------------------------|
| 11-25 | Pile progress showing closeup of crane belonging to G. M. Brewster and Son, Inc. of Bogota, New Jersey. | | R. J. Walton | A 11-1 |
| 11-25 | Showing construction and the Brewster crane. | | R. J. Walton | A 11-2 |
| 11-25 | Long shot showing construction and Brewster crane with building background. | | R. J. Walton | A 11-3 |
| 11-25 | Long shot showing construction and crane. | | R. J. Walton | A 11-4 |
| 11-25 | Long shot showing construction. | | R. J. Walton | A 11-5 |
| 11-25 | Long shot showing construction. | | R. J. Walton | A 11-6 |
| 11-5 | Long shot from hill facing east showing, pile progress. | | R. J. Walton | A 11-7 |
| 11-5 | Long shot from hill facing east showing pile progress. | | R. J. Walton | A 11-8 |
| 11-5 | Long shot from hill facing east showing pile progress. | | R. J. Walton | A 11-9 |
| 11-5 | Long shot from hill facing east showing pile progress. | | R. J. Walton | A 11-10 |
| 11-14 | Second pouring of concrete at pile. | | R. J. Walton | A 11-11 thru A 11-17 |

December – 47 Reactor

| Date | Caption | Dept. | Photographer | Number |
|----------------------|---|-------|--------------|----------------------------|
| 12-1 | Closeup of air ducts showing expander bellows. | | R. J. Walton | A 12-1 |
| 12-1 | Closeup of air ducts showing expander bellows. | | R. J. Walton | A 12-2 |
| 12-1 | Closeup of air ducts showing expander bellows. | | R. J. Walton | A 12-3 |
| 12-1 | Transferred to Classified Documents as per Mary Waisman on 4/8/48. | | | A 12-4 thru A 12-6 |
| 12-1 | Pile progress and construction. | | R. J. Walton | A 12-7 |
| 12-1 | Transferred to Classified Documents as per Mary Waismann on 4/8/48. | | | A 12-8 thru A 12-16 |
| 12-2 | Pile progress and construction. | | R. J. Walton | A 12-17 |
| 12-2 | Pile progress and construction. | | R. J. Walton | A 12-18 |
| 12-2 | Pile progress and construction. | | R. J. Walton | A 12-19 |
| 12-2 | Classified Confidential 4/8/48. | | | A 12-20 |
| 12-2 | Pile progress and construction. | | R. J. Walton | A 12-21 |
| 12-2 and 12-15 | Transferred to Classified Documents as per Mary Waisman on 4/8/48. | P-100 | | A 12-22 thru A 12-28 |
| 12-1 | Pile progress and construction. | | R. J. Walton | A 12-29 thru A 12-40 |
| 12-31 | Classified confidential 5-21-48. | | | A 12-41 |
| 12-31 | Pile progress taken for Ferguson Co. from the northwest. | P 103 | R. J. Walton | A 12-42 |
| 12-31 | Classified confidential 5-21-48. | | | A 12-43 |
| 12-31 | Pile progress taken from the south. | P 228 | R. J. Walton | A 12-44 |
| 12-31 | Transferred to Classified Documents as per Mary Waisman on 4/8/48. | | | A 12-45 thru A 12-47 |

January – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|----------------------------|
| 1-7 | Classified confidential 5-21-48. | | | A 1-1-8 |
| 1-16 | File construction taken for Isotopics Declassified per L. B. Borst on 1-19-48. | | R. J. Walton | A 1-2-8 thru A 1-6-8 |
| 1-15 | File taken from west - Position B. | | R. J. Walton | A 1-7-8 |
| 1-15 | File taken from southwest - Position C. | | R. J. Walton | A 1-8-8 |
| 1-15 | File taken from southeast - Position D. | | R. J. Walton | A 1-9-8 |
| 1-15 | File taken from southwest - Position C. | | R. J. Walton | A 1-10-8 |
| 1-15 | File taken from northwest - Position A. | | R. J. Walton | A 1-11-8 |
| 1-22 | File progress and construction. | | R. J. Walton | A 1-12-8 |
| 1-22 | File progress and construction. | | R. J. Walton | A 1-13-8 |
| 1-22 | File progress and construction. | | R. J. Walton | A 1-14-8 |
| 1-30 | File progress and construction. | | Meteorology | A 1-15-8 |
| 1-30 | File progress and construction. | | Meteorology | A 1-16-8 |
| 1-29 | Facing north showing rampway and also equipment waiting to be installed. | | R. J. Walton | A 1-17-8 |
| 1-29 | Concrete re-enforcing rods and wood forms. | | R. J. Walton | A 1-18-8 |
| 1-29 | Medium shot showing workmen erecting wood forms for concrete foundations. | | R. J. Walton | A 1-19-8 |
| 1-29 | Workmen constructing wood forms for concrete foundations. | | R. J. Walton | A 1-20-8 |
| 1-29 | Long shot showing re-enforcing rods in place in concrete forms. | | R. J. Walton | A 1-21-8 |
| 1-29 | Thawing out construction material and equipment with live steam. | | R. J. Walton | A 1-22-8 |
| 1-29 | Crane is used in unloading steel framework from railroad flatcar to be used on pile construction. | | R. J. Walton | A 1-23-8 |
| 1-29 | An H. K. Ferguson guard is shown checking identification card of an employee before he is allowed to enter the restricted area of pile. | | R. J. Walton | A 1-24-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|----------|
| 1-29 | Crane is shown unloading steel framework from railroad flatcar to be used in pile construction. | | R. J. Walton | A 1-25-8 |
| 1-29 | Shot taken from the north, down ramp, showing ducts, concrete forms and re-enforcing rods in place. Crane is dumping cement. | | R. J. Walton | A 1-26-8 |
| 1-29 | Crane is shown cutting away hillside to made way for the erection of the smokestack. | | R. J. Walton | A 1-27-8 |

February – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|-----------------------------|
| 2-10 | Have been transferred to the Private file retaining original numbers. | | R. J. Walton | A 2-1-8 thru A 2-32-8 |
| 2-16 | Medium shot of workmen working on the transformer insulator. This is part of the new installation. | | R. J. Walton | A 2-33-8 |
| 2-16 | Foreman looking over recording panel for transformer. | | R. J. Walton | A 2-34-8 |
| 2-16 | Two workmen are shown putting an insulator into place on an overhead power station. | | R. J. Walton | A 2-35-8 |
| 2-16 | Facing northwest showing progress on transformer site. At this point, men are shown putting finishing touches on. | | R. J. Walton | A 2-36-8 |
| 2-16 | Long shot showing workmen working on the transformers facing northwest. | | R. J. Walton | A 2-37-8 |
| 2-2 | Long shot showing progress in setting up forms, etc. taken from northwest. | | R. J. Walton | A 2-38-8 |
| 2-2 | Long shot taken from the east - E. | | R. J. Walton | A 2-39-8 |
| 2-2 | Taken from the southwest. | | R. J. Walton | A 2-40-8 |
| 2-2 | Taken from the southeast. | | R. J. Walton | A 2-41-8 |
| 2-2 | Long shot of pile building showing concrete forms in place. Taken from the northwest, Position A. | | R. J. Walton | A 2-42-8 |
| 2-2 | Taken from the west - Position B. | | R. J. Walton | A 2-43-8 |
| 2-16 | Photo taken from the southwest corner of the pile site. | | R. J. Walton | A 2-44-8 |
| 2-16 | Classified confidential 4-8-48. | | R. J. Walton | A 2-45-8 |
| 2-16 | Pile taken from northeast - A. | | R. J. Walton | A 2-46-8 |
| 2-16 | Classified confidential 4-8-48. | | | A 2-47-8 |
| 2-16 | Pile taken from west - Position B. | | R. J. Walton | A 2-48-8 |
| 2-16 | Classified confidential 4-8-48. | | R. J. Walton | A 2-49-8 |

March – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|----------|
| 3-5 | Long shot of transformers showing workmen putting finishing touches on them. | | R. J. Walton | A 3-1-8 |
| 3-5 | Medium shot showing center section of transformers. Workmen in foreground are electricians in the process of wiring them up. | | R. J. Walton | A 3-2-8 |
| 3-5 | Medium shot showing electricians hooking up insulators on transformers. | | R. J. Walton | A 3-3-8 |
| 3-5 | Workmen are putting finishing touches on transformers. | | R. J. Walton | A 3-4-8 |
| 3-5 | Long shot of pile foundation. | | R. J. Walton | A 3-5-8 |
| 3-5 | Long shot of pile foundation. | | R. J. Walton | A 3-6-8 |
| 3-5 | Pile foundation with forms still in place. | | R. J. Walton | A 3-7-8 |
| 3-5 | Workmen are shown constructing concrete forms for supporting columns of pile. | | R. J. Walton | A 3-8-8 |
| 3-5 | Workmen erecting a scaffold. | | R. J. Walton | A 3-9-8 |
| 3-5 | Re-enforcing rods and lumber supply to be used on construction of pile. | | R. J. Walton | A 3-10-9 |
| 3-5 | Workmen sorting lumber to be used in construction of concrete forms. | | R. J. Walton | A 3-11-9 |
| 3-5 | Long shot of supplies (steel, lumber, etc.) to be used on pile. | | R. J. Walton | A 3-12-8 |
| 3-5 | General shot of men working on pile. | | R. J. Walton | A 3-13-8 |
| 3-5 | Closeup of duct end. | | R. J. Walton | A 3-14-8 |
| 3-5 | Long shot showing stock piles of lumber to be used in construction. | | R. J. Walton | A 3-15-8 |
| 3-5 | Classified confidential 4-8-48. | | | A 3-16-8 |
| 3-5 | Workmen are shown removing wood forms used in pouring concrete for foundation. | | R. J. Walton | A 3-17-8 |
| 3-5 | Long shot of foundation showing wood forms still in place. | | R. J. Walton | A 3-18-8 |
| 3-5 | Workmen removing concrete forms. | | R. J. Walton | A 3-19-8 |
| 3-5 | Crane removing scrap lumber. | | R. J. Walton | A 3-20-8 |
| 3-5 | Pile foundation showing ducts in back. | | R. J. Walton | A 3-21-8 |
| 3-5 | Classified Documents D 538 | | | A 3-22-8 |
| 3-5 | Classified Documents D 537 | | | A 3-23-8 |
| 3-5 | Classified Documents D 536 | | | A 3-24-8 |
| 3-5 | Classified Documents D 535 | | | A 3-25-8 |
| 3-5 | Classified Documents D 534 | | | A 3-26-8 |
| 3-5 | Classified Documents D 533 | | | A 3-27-8 |
| 3-5 | Classified Documents D 532 | | | A 3-28-8 |
| 3-5 | Classified Documents D 531 | | | A 3-29-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|------------------------------|
| 3-11 | Long shot of pile foundation. | | R. J. Walton | A 3-30-9 |
| 3-11 | North face of pile foundation. | | R. J. Walton | A 3-31-9 |
| 3-11 | Classified confidential 4-8-48. | | R. J. Walton | A 3-32-8 |
| 3-11 | Long shot of pile foundation after forms were removed. | | R. J. Walton | A 3-33-8 |
| 3-11 | Long shot of pile foundation after forms were removed. | | R. J. Walton | A 3-34-8 |
| 3-11 | Classified confidential 4-8-48. | | | A 3-35-8 |
| 3-11 | Classified confidential 4-8-48. | | | A 3-36-8 |
| 3-11 | Photo shows outside concrete foundation for pile after wood forms had been removed. | | R. J. Walton | A 3-37-8 |
| 3-11 | Long shot from the west shows concrete forms and pillars after wood forms were removed. Construction in background is for the blower building. | | R. J. Walton | A 3-38-8 |
| 3-25 | Long shot of pile building foundation showing steel work going up. No classification on site as per Borst. | | R. J. Walton | A 3-39-8 |
| 3-25 | Taken for Isotopics. No classification on site as per Borst. | | R. J. Walton | A 3-40-8 |
| 3-25 | Medium shot showing erection of steel supporting columns. Two steel workers are shown riding up to top of column on the crane's hook. No classification on the site as per Borst. | | R. J. Walton | A 3-41-8 |
| 3-24 | Showing crane in operation. The crane is framed by two steel girders. Workmen are in foreground. No classification on the site as per Borst. | | R. J. Walton | A 3-42-8 |
| 3-24 | One steel column in place. No classification on the site as per Borst. | | R. J. Walton | A 3-43-8 |
| 3-24 | Crane is shown putting steel column into place at pile foundation. No classification on site as per Borst. | | R. J. Walton | A 3-44-8 |
| 3-24 | Crane is shown putting steel column into place at foundation. No classification on site as per Borst. | | R. J. Walton | A 3-45-8 |
| 3-24 | Pile progress and construction. No classification on site as per Bost. | | R. J. Walton | A 3-46-8 thru A 3-49-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|----------------|------------------------------|
| 3-31 | Long shot of 60 KV substation transformer. | | R. J. Walton | A 3-50-8 and A 3-51-8 |
| 3-17 | File progress and construction. No classification on site as per Borst 3-25-48. | | J. F. Garfield | A 3-52-8 thru A 3-55-8 |
| 3-23 | Erecting a steel column for pile bldg. No classification on site as per Borst. | | R. J. Walton | A 3-56-8 |
| 3-23 | Erecting a steel column for pile bldg. No classification on site as per Borst. | | R. J. Walton | A 3-57-8 |
| 3-23 | Workmen shown bolting steel cross-beams into place for building. | | R. J. Walton | A 3-58-8 |
| 3-30 | Steel workers and steel progress at pile site. | | R. F. Smith | A 3-59-8 thru A 3-65-8 |
| 3-23 | Steel column being put into place. Declassified 4-9-48 per M. Fox. | P 67 | R. J. Walton | A 3-66-8 |
| 3-23 | Concrete supporting foundations for ducts. Declassified 4-9-48 as per M. Fox. | | R. J. Walton | A 3-67-8 |
| 3-17 | Long shot of blower building at pile. Declassified per Fox 4-9-48. | | J. F. Garfield | A 3-68-8 |
| 3-17 | Long shot of foundation for blower building at pile. Declassified 4-9-48 per Marvin Fox. | | J. F. Garfield | A 3-69-8 thru A 3-71-8 |
| 3-24 | Closeup view of steel plate on top of duct. Declassified per Fox on 4-9-48. | | R. J. Walton | A 3-72-8 |
| 3-23 | Erecting steel at pile site. Declassified per Marvin Fox 4-8-48. | | R. J. Walton | A 3-73-8 |

| Date | Caption | Dept: | Photographer | Number |
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| 3-25 | Erecting steel at pile site. De-classified per Marvin Fox 4-9-48. | | R. J. Walton | A 3-74-8 |
| 3-25 | Closeup of steel plate on top of duct on west side. Declassified per Marvin Fox 4-9-48. | | R. J. Walton | A 3-75-8 |
| 3-25 | Mrs. Kuper, Dr. Borst and Dr. Patterson are shown at the pile site. In the background, steel workers are erecting supporting columns. De-classified per Marvin Fox 4-9-48. | | R. J. Walton | A 3-76-8 |
| 3-25 | Putting supporting steel columns into place. Declassified per Fox 4-9-48. | | R. J. Walton | A 3-77-8 |
| 3-25 | Long shot of pile building showing foundation and steel work. Declassified as per Marvin Fox 4-9-48. | | R. J. Walton | A 3-78-8 |
| 3-17 | Long shot of foundation taken from the southwest. | | R. J. Walton | A 3-79-8 |
| 3-17 | Long shot of foundation taken from the southeast. | | R. J. Walton | A 3-80-8 |
| 3-17 | Long shot of foundation taken from the southwest. | | R. J. Walton | A 3-81-8 |
| 3-17 | Long shot of foundation for blower building viewed from the east. | | R. J. Walton | A 3-82-8 |
| 3-17 | Long shot of pile building taken from the southeast. | | R. J. Walton | A 3-83-8 |
| 3-17 | Long shot of pile building taken from the northwest. | | R. J. Walton | A 3-84-8 |
| 3-17 | Expansion joint, east exhaust duct, bottom corner. | | R. J. Walton | A 3-85-8 |
| 3-17 | Expansion joint, east exhaust duct, top corner. | | R. J. Walton | A 3-86-8 |
| 3-17 | Long shot of pile building taken from the west. | P 79 | R. J. Walton | A 3-87-8 |
| 3-30 | East exhaust duct under north plenum chamber. | P 86 | R. J. Walton | A 3-88-8 |
| 3-30 | Pile bed plate. | P 87 | R. J. Walton | A 3-89-8 |
| 3-30 | Pile bed plate. | P 88 | R. J. Walton | A 3-90-8 |
| 3-30 | East exhaust duct turn. | P 91 | R. J. Walton | A 3-91-8 |

April – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|----------|
| 4-26 | Long shot of pile building showing steel girders already installed. | | R. J. Walton | A 4-1-8 |
| 4-29 | Air view of pile progress. | | R. J. Walton | A 4-2-8 |
| 4-29 | Air view of pile progress. | | R. J. Walton | A 4-3-8 |
| 4-15 | General view of foundation of blower building facing west. | | R. J. Walton | A 4-4-8 |
| 4-15 | General view of foundation next to smokestack facing north. Cooling basin and pumphouse. | | R. J. Walton | A 4-5-8 |
| 4-15 | General view of foundation base for the smokestack facing east. | | R. J. Walton | A 4-6-8 |
| 4-15 | General view of pile building facing northeast. | | R. J. Walton | A 4-7-8 |
| 4-15 | General view of pile building facing east. | | R. J. Walton | A 4-8-8 |
| 4-16 | Excavation being prepared to lay foundation for the new laboratory. Taken facing northeast. | | R. J. Walton | A 4-9-8 |
| 4-5 | Taken facing west showing progress on blower building. Pile building can be seen in the background. | | R. J. Walton | A 4-10-8 |
| 4-5 | Pile taken facing southeast showing progress on pile building. | | R. J. Walton | A 4-11-8 |
| 4-5 | Pile progress taken facing northeast. | | R. J. Walton | A 4-12-8 |
| 4-30 | General view of construction of cooling system for pile which can be seen in the background (facing west). | | R. J. Walton | A 4-13-8 |
| 4-30 | Concrete base and supporting columns used to support water purifying system. | | R. J. Walton | A 4-14-8 |
| 4-30 | Long shot of the new laboratory's foundation. Pile building can be seen in the background. | | R. J. Walton | A 4-15-8 |
| 4-30 | Long shot of pile building facing northeast. | | R. J. Walton | A 4-16-8 |

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|------|---|-------|--------------|----------|
| 4-1 | Long shot of crane girder being made ready to be lifted off a double bed trailer truck. | | R. J. Walton | A 4-17-8 |
| 4-1 | Long shot of crane girder being made ready to be lifted off a double bed trailer truck. | | R. J. Walton | A 4-18-8 |
| 4-5 | Closeup shot of metal expansion bellows on pile duct. This shot was taken inside the west duct. | | R. J. Walton | A 4-19-8 |
| 4-5 | Workmen are shown laying steel reinforcing rods in place so that concrete may be poured to form mat for the smokestack. | | R. J. Walton | A 4-20-8 |
| 4-5 | Workmen are shown laying steel reinforcing rods to that concrete may be poured to form mat for the smokestack. | | R. J. Walton | A 4-21-8 |
| 4-30 | Long shot showing crane in process of setting steel truss in place. | | R. J. Walton | A 4-22-8 |
| 4-30 | Long shot of pile building facing west. | | R. J. Walton | A 4-23-8 |
| 4-15 | Canal well. | | R. J. Walton | A 4-24-8 |
| 4-15 | Canal shute. | | R. J. Walton | A 4-25-8 |
| 4-15 | Canal shute. | | R. J. Walton | A 4-26-8 |
| 4-15 | Canal shute. | | R. J. Walton | A 4-27-8 |
| 4-15 | Long shot of mate being laid for the pumphouse foundation. | | R. J. Walton | A 4-28-8 |
| 4-15 | Closeup shot of steel matting laid to form the base for the smokestack. | | R. J. Walton | A 4-29-8 |
| 4-15 | Transformer slab at fanhouse. | | R. J. Walton | A 4-30-8 |
| 4-15 | Long shot of pile taken from southeast showing construction of vent canal in foreground and pile in background. | | R. J. Walton | A 4-31-8 |
| 4-15 | Medium view of base structure for pile smokestack taken before concrete was poured. | | R. J. Walton | A 4-32-8 |
| 4-15 | Closeup shot of drain pipe in bottom of pile duct. | | R. J. Walton | A 4-33-8 |
| 4-15 | Long shot of foundation for the boiler house taken from the north. | | R. J. Walton | A 4-34-8 |

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| 4-16 | Medium shot showing trench dug to accomodate electrical cable connecting the transformer site with pile. Taken across the street from 480. | | R. J. Walton | A 4-35-8 |
| 4-16 | Medium shot of trench being made ready to accomodate electrical cable running between transformer and pile. | | R. J. Walton | A 4-36-8 |
| 4-16 | Photo shows foundation being dug to accomodate part of the heating plant by the transformer site. | | R. J. Walton | A 4-37-8 |
| 4-16 | Long shot looking west showing trench dug to accomodate electrical cables connecting the transformer and pile. | | R. J. Walton | A 4-38-8 and A 4-39-8 |
| 4-22 | Aerial view of pile construction. | | R. J. Walton | A 4-40-8 |
| 4-22 | Concrete foundation for smokestack. | | R. J. Walton | A 4-41-8 |
| 4-22 | Overall shot of concrete foundation for the smokestack. | | R. J. Walton | A 4-42-8 |
| 4-22 | Overall view of concrete base for pile smokestack looking southeast. | | R. J. Walton | A 4-43-8 |
| 4-22 | Overall shot of boiler house foundation which is located at the transformer site. | | R. J. Walton | A 4-44-8 |
| 4-22 | Electrical conduit line being installed upon completion of hookup, trench holding this line will be filled in. Line runs between transformer site and pile. | | R. J. Walton | A 4-45-8 |
| 4-30 | Pile progress and construction. | | R. J. Walton | A 4-46-8 |
| 4-30 | Concrete foundation for the boiler house which is located down at the transformer site looking east. | | R. J. Walton | A 4-47-8 |
| 4-22 | Aerial photograph of pile site showing pile building in foreground. | P 156 | R. J. Walton | A 4-48-8 |
| 4-5 | Interior shot of duct in pile bldg. taken facing north. Workman in foreground was placed to show that there is a drop in flooring at that point. | P 160 | R. J. Walton | A 4-49-8 |

May – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|----------|
| 5-4 | Preparing foundation of pumphouse and cooling tower for concrete pouring. | | R. J. Walton | A 5-1-8 |
| 5-4 | Photo shows concrete base of pumping station being constructed. This particular section will be graded slightly so that water will flow directly to the pumps. | | R. J. Walton | A 5-2-8 |
| 5-4 | First pouring of concrete for the new laboratory located a few feet to the west of the pile building. | | R. J. Walton | A 5-3-8 |
| 5-4 | Long shot of rampway leading from vent ducts on pile building. This ramp in turn leads to the cooling towers. | | R. J. Walton | A 5-4-8 |
| 5-4 | View of site as seen through the pile structure. | | R. J. Walton | A 5-5-8 |
| 5-4 | General view of pile site looking southwest as seen from top of pile. | | R. J. Walton | A 5-6-8 |
| 5-4 | Base of smokestack. | | R. J. Walton | A 5-7-8 |
| 5-4 | Primary air inlet - west wall. | | R. J. Walton | A 5-8-8 |
| 5-4 | Base of smokestack. | | R. J. Walton | A 5-9-8 |
| 5-6 | Water barrier canal. | | R. J. Walton | A 5-10-8 |
| 5-6 | Wall 6 line. | | R. J. Walton | A 5-11-8 |
| 5-6 | Secondary air system. | | R. J. Walton | A 5-12-8 |
| 5-6 | Pile building - north face. | | R. J. Walton | A 5-13-8 |
| 5-6 | Supporting columns of secondary air system. | | R. F. Smith | A 5-14-8 |
| 5-6 | Supporting columns of secondary air system. | | R. F. Smith | A 5-15-8 |
| 5-6 | Copper water barrier, cooling basin. | | R. F. Smith | A 5-16-8 |
| 5-6 | Pile building - north face. | | R. F. Smith | A 5-17-8 |
| 5-6 | Secondary air system. | | R. F. Smith | A 5-18-8 |
| 5-6 | Pumphouse foundation. | | R. F. Smith | A 5-19-8 |
| 5-6 | Water barrier canal. | | R. F. Smith | A 5-20-8 |
| 5-6 | Water barrier canal. | | R. F. Smith | A 5-21-8 |
| 5-6 | Grates. | | R. F. Smith | A 5-22-8 |
| 5-6 | Wall 6 line. | | R. F. Smith | A 5-23-8 |
| 5-10 | Photo taken from below control panel base showing installation of electrical conduits. | | R. J. Walton | A 5-24-8 |
| 5-10 | General view of east end of control room base showing electrical conduits going into place. | | R. J. Walton | A 5-25-8 |
| 5-10 | Overall view of base for the housing of the controls for the fanhouse. Note electrical connections in place on floor. | | R. J. Walton | A 5-26-8 |

cleared for sub A 5-5-8

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|----------|
| 5-10 | Overall shot of electrical conduit system for the fanhouse. On right is concrete slab on which transformers will be set, center, platform will house control panel. | | R. J. Walton | A 5-27-8 |
| 5-6 | Another view of electrical conduits being installed for fanhouse control. | | R. J. Walton | A 5-28-8 |
| 5-6 | A small section of the completed electrical conduit system used for the fanhouse control. | | R. J. Walton | A 5-29-8 |
| 5-10 | Overall shot of the electrical conduit system for the fanhouse. In center of photo can be seen platform for the control panel which in the upper right can be seen concrete platform on which the transformers will be set. | | R. J. Walton | A 5-30-8 |
| 5-6 | A full view of the exposed south face of the pile building foundation. | | R. J. Walton | A 5-31-8 |
| 5-6 | Steel re-enforcing rods laid in place for concrete pouring. This is the base rampway leading from the pile ducts to the filter system. | | R. J. Walton | A 5-32-8 |
| 5-10 | Long shot of fanhouse control system. In the left foreground can be seen part of a concrete mat on which transformers will be placed. In the front center portion of the photo is where the fanhouse control panel will be placed. Electrical conduits can be seen poking up the control house floor. Hiwood structure running the length of the photo in the background is part of the cooling system. | | R. J. Walton | A 5-33-8 |
| 5-10 | Electrical conduit system being installed by workmen for fanhouse control. | | R. J. Walton | A 5-34-8 |
| 5-10 | Electrical conduit system being laid out and installed for controlling the pile fan system. | | R. J. Walton | A 5-35-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|-----------------|
| 5-6 | Secondary duct system for pile shown in final stages of construction. Southwest corner of bldg. | | R. J. Walton | A 5-36-8 |
| 5-18 | Long shot looking northeast showing railroad siding under construction. Railroad will run to transformer site. | | R. J. Walton | A 5-37-8 and |
| 5-18 | Do not print for distribution. Pile building taken for Isotopics. | | R. J. Walton | A 5-38-8 |
| 5-18 | Overall shot of pile building under construction taken facing northwest. | | R. J. Walton | A 5-39-8 |
| 5-18 | Long shot facing northwest showing the site of the proposed hot lab. | | R. J. Walton | A 5-40-8 |
| 5-18 | View of site for hot laboratory. Note men clearing ground for construction (facing north). | | R. J. Walton | A 5-41-8 |
| 5-17 | View of pile building under construction facing north. | | R. J. Walton | A 5-42-8 |
| 5-17 | View of foundation for west wing lab for pile facing east. | | R. J. Walton | A 5-43-8 |
| 5-17 | View of pile building under construction facing northeast. | | R. J. Walton | A 5-44-8 |
| 5-17 | Construction on pile building facing west. | | R. J. Walton | A 5-45-8 |
| 5-17 | View of concrete base for water cooling towers facing south. | | R. J. Walton | A 5-46-8 |
| 5-17 | Construction of base for smokestack (east) | | R. J. Walton | A 5-47-8 |
| 5-17 | View taken facing northwest showing construction of pumphouse. | | R. J. Walton | A 5-48-8 |
| 5-17 | View of north face of pile building. | | R. J. Walton | A 5-49-8 |
| 5-17 | Overall view of fanhouse for pile. On the left, the control house and transformer table can be seen under construction. | | R. J. Walton | A 5-50-8 |
| 5-17 | Long shot of pile building facing northwest. | | R. J. Walton | A 5-51-8 |
| | | | R. J. Walton | A 5-52-8 |
| 5-26 | Pile site at night - for Isotopics. | | R. J. Walton | A 5-53-8 |
| 5-26 | Pile site at night - for Isotopics. | | R. J. Walton | A 5-54-8 |
| 5-26 | Pile site at night - for Isotopics. | | R. J. Walton | A 5-55-8 |
| 5-27 | Overall shot of construction on the smokestack. | | R. J. Walton | A 5-56-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|----------|
| 5-27 | Conduits in place for fanhouse control. | | R. J. Walton | A 5-57-8 |
| 5-27 | Viewing part for animal tunnel on pile. | | R. J. Walton | A 5-58-8 |
| 5-27 | Secondary air system duct on west side of pile. | | R. J. Walton | A 5-59-8 |
| 5-27 | Heavy steel shielding plates being welded into place on pile. | | R. J. Walton | A 5-60-8 |
| 5-27 | Secondary air system for pile. Ducts shown enhance foundation on west face of pile. | | R. J. Walton | A 5-61-8 |
| 5-27 | Cleoup of cross section of cooling towers. Wood is California Red. | | R. J. Walton | A 5-62-8 |
| 5-27 | Part of electrical conduit system for the fanhouse control facing south. | | R. J. Walton | A 5-63-8 |
| 5-27 | Long shot of cooling towers. | | R. J. Walton | A 5-64-8 |
| 5-27 | Part of the secondary air system. | | R. J. Walton | A 5-65-8 |
| 5-27 | Electrical conduits running to blower control house. | | R. J. Walton | A 5-66-8 |
| 5-27 | Small section of electrical conduit system for fanhouse control. | | R. J. Walton | A 5-67-8 |
| 5-27 | Pile progress and construction. | | R. J. Walton | A 5-68-8 |
| 5-27 | Manhole thru which electrical conduits run into transformer site and pile. | | R. J. Walton | A 5-69-8 |
| 5-27 | Manhole thru which electrical conduits run into transformer site and pile. | | R. J. Walton | A 5-70-8 |
| 5-27 | Water cooling racks (in foreground can be seen foundation for the pump-house). | | R. J. Walton | A 5-71-8 |
| 5-27 | Overall shot of foundation being constructed for the laboratories. | | R. J. Walton | A 5-72-8 |
| 5-27 | Secondary air system ducts as they pass into the interior north face of the pile. | | R. J. Walton | A 5-73-8 |
| 5-27 | Workmen bending conduit conducting pipes into shape. | | R. J. Walton | A 5-74-8 |
| 5-27 | Pile progress and construction. | | R. J. Walton | A 5-75-8 |
| 5-27 | Pile progress and construction. | | R. J. Walton | A 5-76-8 |
| 5-6 | Closeup of part of canal system for pile. <i>Cleated for publication</i> <i>P 225</i> | P 225 | R. J. Walton | A 5-77-8 |

June – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|-------------------------------|
| 6-4 | Photo of electrical conduit system layout in the switch house located at the transformer site on Temple Place taken just before concrete was poured. | | R. J. Walton | A 6-1-8 A 6-2-8 A 6-3-8 |
| 6-4 | Medium shot of scaffold erected on smokestack base for the purpose of hoisting concrete and bricks. | | R. J. Walton | A 6-4-8 |
| 6-2 | Pile progress facing east. Construction of smokestack. In the background can be seen the cooling towers. | | R. J. Walton | A 6-5-8 |
| 6-2 | Pile progress looking northwest. Long shot showing progress in construction of cooling towers. Foundation in foreground is for the pumphouse. | | R. J. Walton | A 6-6-8 |
| 6-2 | Progress facing east. Progress on construction of laboratories for the pile showing concrete foundations in the early stages of laying. | | R. J. Walton | A 6-7-8 |
| 6-2 | Pile progress facing east. | | R. J. Walton | A 6-8-8 |
| 6-2 | Pile showing north wall of pile bldg. Note relation in size to workmen in foreground. | | R. J. Walton | A 6-9-8 |
| 6-2 | Oil storage tank for power supply unit to the pile. | | R. J. Walton | A 6-10-8 |
| 6-2 | Pile progress facing west showing construction of air duct running from pile to the smokestack. On left can be seen foundation for the fanhouse. | | R. J. Walton | A 6-11-8 |
| 6-2 | Pile progress facing north showing foundation for fanhouse. In foreground, manholes which carry the conduits running from the transformer site can be seen. | | R. J. Walton | A 6-12-8 |
| 6-2 | Pile progress facing west showing construction of foundation for the laboratories. | | R. J. Walton | A 6-13-8 |
| 6-2 | Pile building showing progress facing north. | | R. J. Walton | A 6-14-8 |
| 6-17 | Aerial view of smokestack and cooling towers facing north. | | R. J. Walton | A 6-15-8 |
| 6-17 | General aerial view of pile site facing east. | | R. J. Walton | A 6-16-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|------------------------------|
| 6-17 | Aerial view of pile progress and construction. | | R. J. Walton | A 6-17-8 thru A 6-27-8 |
| 6-2 | Using tar to seal the joists in the concrete flooring of the water cooling tower. | | R. J. Walton | A 6-28-8 |
| 6-2 | Electrical conduit layout for the fanhouse. | | R. J. Walton | A 6-29-8 |
| 6-2 | Steel re-enforcing rods being put into place preparatory to the pouring of concrete. This is a section of the east side air intake for pile. | | R. J. Walton | A 6-30-8 |
| 6-2 | Entrance to the animal tunnel which runs beneath the pile. | | R. J. Walton | A 6-31-8 |
| 6-2 | Long shot of electrical conduit layout for the fanhouse. | | R. J. Walton | A 6-32-8 |
| 6-2 | Electrical conduit layout for the fanhouse. | | R. J. Walton | A 6-33-8 |
| 6-17 | Expansion bellows, fanhouse exhaust duct. | | R. J. Walton | A 6-34-8 |
| 6-17 | Concrete hole on east side of pile pedestal. | | R. J. Walton | A 6-35-8 |
| 6-17 | Animal tunnel opening under pile grillage. | | R. J. Walton | A 6-36-8 |
| 6-17 | Overall shot of pile site facing west with smokestack facing in foreground. | | R. J. Walton | A 6-37-8 |
| 6-17 | At south end of pile. | | R. J. Walton | A 6-38-8 |
| 6-17 | Method of replacing broken nelson studs, ceiling, north plenum exhaust duct. | | R. J. Walton | A 6-39-8 |
| 6-17 | Secondary air duct system for pile exhaust. | | R. J. Walton | A 6-40-8 |
| 6-17 | Cooling tower fan. | | R. J. Walton | A 6-41-8 |
| 6-17 | Fan on top of cooling tower. | | R. J. Walton | A 6-42-8 |
| 6-17 | Overall shot of T-480 taken from top of cooling towers. | | R. J. Walton | A 6-43-8 |
| 6-17 | Closeup of fan on top of cooling towers. | | R. J. Walton | A 6-44-8 |
| 6-17 | Constructing pumphouse taken from top of cooling towers. | | R. J. Walton | A 6-45-8 |
| 6-17 | Cooling tower grillage. | | R. J. Walton | A 6-46-8 |
| 6-17 | Transformer platform for blower system. | | R. J. Walton | A 6-47-8 |
| 6-17 | Foundation for labs facing east. | | R. J. Walton | A 6-48-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|----------|
| 6-17 | Overall of pile building facing east. | | R. J. Walton | A 6-49-8 |
| 6-17 | Overall of stack and cooling towers. | | R. J. Walton | A 6-50-8 |
| 6-17 | Overall of pile building facing west. | | R. J. Walton | A 6-51-8 |
| 6-17 | Foundation of laboratory facing north west. | | R. J. Walton | A 6-52-8 |
| 6-17 | Overall of cooling towers facing northeast. | | R. J. Walton | A 6-53-8 |
| 6-17 | Taken from base of smokestack showing construction of exhaust ducts leading to stack. | | R. J. Walton | A 6-54-8 |
| 6-17 | Overall of stack looking north. | | R. J. Walton | A 6-55-8 |
| 6-17 | Transformer table for the blower building. | | R. J. Walton | A 6-56-8 |

July – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|---------------------------|
| 7-8 | Construction progress on switch house at transformer site. | | R. J. Walton | A 7-1-8 |
| 7-8 | Exterior of construction progress on the erection of the boiler house. | | R. J. Walton | A 7-2-8 and A 7-3-8 |
| 7-2 | East primary air inlet duct looking east. | | R. J. Walton | A 7-4-8 |
| 7-2 | East primary air inlet duct looking west. | | R. J. Walton | A 7-5-8 |
| 7-2 | East primary air inlet duct looking west. | | R. J. Walton | A 7-6-8 |
| 7-2 | Start of north section. | | R. J. Walton | A 7-7-8 |
| 7-2 | North section showing hole for air inlet beneath pile. | | R. J. Walton | A 7-8-8 |
| 7-2 | North section air inlet beneath pile. | | R. J. Walton | A 7-9-8 |
| 7-2 | North section. | | R. J. Walton | A 7-10-8 |
| 7-2 | North section. | | R. J. Walton | A 7-11-8 |
| 7-2 | North section. | | R. J. Walton | A 7-12-8 |
| 7-2 | Step beginning north primary air inlet duct beneath pile. | | R. J. Walton | A 7-13-8 |
| 7-2 | Start of south section. | | R. J. Walton | A 7-14-8 |
| 7-2 | South section showing hole for air inlet beneath pile. | | R. J. Walton | A 7-15-8 |
| 7-2 | South section. | | R. J. Walton | A 7-16-8 |
| 7-7 | Photo of ball game with pile construction in background. | | R. F. Smith | A 7-17-8 |
| 7-1 | Overall of pile and site taken from the top of the cooling towers. | | R. J. Walton | A 7-18-8 |
| 7-1 | Construction on pumphouse taken from top of cooling towers. | | R. J. Walton | A 7-19-8 |
| 7-1 | Workmen putting up bricks on pump house. | | R. J. Walton | A 7-20-8 |
| 7-6 | Cooling towers and pumphouse facing northeast. | | R. J. Walton | A 7-21-8 |
| 7-6 | Smokestack with excavation for duct in foreground facing northeast. | | R. J. Walton | A 7-22-8 |
| 7-6 | Smokestack facing north. | | R. J. Walton | A 7-23-8 |
| 7-6 | Pumphouse, cooling towers and stack facing northwest. | | R. J. Walton | A 7-24-8 |

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| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|------------------------------|
| 7-6 | Hot laboratories facing west. | | R. J. Walton | A 7-25-8 |
| 7-6 | Pile building facing east. | | R. J. Walton | A 7-26-8 |
| 7-6 | Fanhouse with stack in background looking southeast. | | R. J. Walton | A 7-27-8 |
| 7-6 | Exhaust ducts leading to smokestack facing west. | | R. J. Walton | A 7-28-8 |
| 7-8 | Various pictures of smokestack. | | R. J. Walton | A 7-29-8 thru A 7-33-8 |
| 7-15 | Pile (Isotopics and Scientific Report). Overall of pile site as from top of cooling towers. | | R. J. Walton | A 7-34-8 |
| 7-15 | Pile (Isotopics and Scientific Report). Overall of pile site as from top of cooling towers. | | R. J. Walton | A 7-35-8 |
| 7-15 | (Scientific Report and Isotopics) Closeup of building facing north-east. | | R. J. Walton | A 7-36-8 |
| 7-1 | Overall of pile site taken from top the cooling towers. | | R. J. Walton | A 7-37-8 |
| 7-1 | Overall of pile site taken from top of the cooling towers. | | R. J. Walton | A 7-38-8 and A 7-39-8 |
| 7-15 | Isotopics and Scientific Report. Closeup of pile building facing northwest. | | R. J. Walton | A 7-40-8 |
| 7-15 | Overall of pile site taken from the top of the cooling towers. | | R. J. Walton | A 7-41-8 |
| 7-22 | Overall view of the north face of the pile building for Isotopics. | | R. J. Walton | A 7-42-8 |
| 7-15 | Background is stack - on right are cooling towers - on left is pump-house - facing northwest. | | R. J. Walton | A 7-43-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|--|-----------|--------------|----------------------------------|
| 7-15 | Overall of pile building facing east. | | R. J. Walton | A 7-44-8 |
| 7-15 | Foundation for offices and labs under construction facing west. | | R. J. Walton | A 7-45-8 |
| 7-15 | Concrete bed for the exhaust ducts. | | R. J. Walton | A 7-46-8 |
| 7-15 | Pile progress and construction. | | R. J. Walton | A 7-47-8 |
| 7-15 | Overall of pumphouse and cooling towers facing northeast. | | R. J. Walton | A 7-48-8 |
| 7-15 | Facing southeast showing concrete bed for exhaust ducts. | | R. J. Walton | A 7-49-8 |
| 7-15 | Construction on fanhouse facing east. | | R. J. Walton | A 7-50-8 |
| 7-15 | Smokestack facing northeast. | | R. J. Walton | A 7-51-8 |
| 7-15 | Fanhouse facing west. | | R. J. Walton | A 7-52-8 |
| 7-15 | Interiors of west side intake ducts and canals. Dimensions marked off on walls. | | R. J. Walton | A 7-53-8 |
| 7-15 | Site of cyclotron building. | Cyclotron | R. J. Walton | thru A 7-61-8 |
| 7-15 | Site of cyclotron building. | Cyclotron | R. J. Walton | A 7-62-8 |
| | | | R. J. Walton | A 7-63-8 |
| 7-16 | Overall of foundations for labs and offices on pile building facing west. | | R. J. Walton | A 7-64-8 |
| 7-27 | Long shot of pile taken from camp area, parking field behind I and P, parade grounds near bank and T-197. For Administrative Report. | | R. J. Walton | A 7-65-8 A 7-66-8 A 7-67-8 |
| 7-26 | Telephone conduits laid in a trench on Cornell Avenue running from the transformer site to pile site. | | R. J. Walton | A 7-68-8 |
| 7-26 | Plowing shield into place midway of the east wall of the pile progress proper. | | R. J. Walton | A 7-69-8 |
| 7-26 | First row of shielding in place on east wall of pile progress. | | R. J. Walton | A 7-70-8 |
| 7-15 | Overall shot of pile building facing northwest. | | R. J. Walton | A 7-71-8 |

August – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|------|--|-------|--------------|----------------------------|
| 8-11 | Aerial views of pile progress and construction. | | R. J. Walton | A 8-1-8 thru A 8-5-8 |
| 8-16 | West wall, east duct showing where leak had to be patched in expansion bellows. | | R. J. Walton | A 8-6-8 |
| 8-16 | Interior of duct inside fanhouse. | | R. J. Walton | A 8-7-8 |
| 8-16 | Pile progress looking down into the shielding of the northeast corner of the pile before concrete was poured. | | R. J. Walton | A 8-8-8 |
| 8-16 | Pipes for secondary air system on west wall of the pile building. | | R. J. Walton | A 8-9-8 |
| 8-16 | Inside water cooling towers shows a section of pipes and sprays for cooling water. | | R. J. Walton | A 8-10-8 |
| 8-16 | Inside of west wall of shielding. Note three pipes protruding. These will contain rock which in turn is hooked up to a drive mechanism used to adjust gap in pile. | | R. J. Walton | A 8-11-8 |
| 8-16 | Steel re-enforcing rod in place for concrete work on duct leading to smokestack. | | R. J. Walton | A 8-12-8 |
| 8-16 | West face of the pile building. | | R. J. Walton | A 8-13-8 |
| 8-16 | Taken from northwest showing foundation layout for pile laboratories. | | R. J. Walton | A 8-14-8 |
| 8-16 | Pipes for secondary air system entering exterior west wall of pile. | | R. J. Walton | A 8-15-8 |
| 8-16 | Looking down into shielding showing cement key. Pipe running across the photo is casing for rod used to adjust gap in west wall of pile. | | R. J. Walton | A 8-16-8 |
| 8-16 | Workmen getting ready to dump a half yard of concrete into shielding. | | R. J. Walton | A 8-17-8 |
| 8-16 | Machine for mixing concrete used in shielding of the pile. | | R. J. Walton | A 8-18-8 |
| 8-16 | Looking down inside pile shielding. Note concrete keys. | | R. J. Walton | A 8-19-8 |
| 8-16 | East wall of pile showing concrete. | | R. J. Walton | A 8-20-8 |
| 8-16 | East wall of pile after concrete has been poured in. Note iron and metal slugs. | | R. J. Walton | A 8-21-8 |
| 8-16 | Cement bucket being filled from the trough which runs from outside the pile building. | | R. J. Walton | A 8-22-8 |
| 8-16 | Intake duct on west wall of pile building. | | R. J. Walton | A 8-23-8 |
| 8-16 | Interior of duct inside fanhouse. | | R. J. Walton | A 8-24-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|---|--------------|--------------|----------|
| 8-16 | 12 inch steel plate on east wall of pile shielding. | Cyclotron | R. J. Walton | A 8-25-8 |
| 8-16 | Looking into shielding on east wall of pile. Note 12" plate at right. | | R. J. Walton | A 8-26-8 |
| 8-16 | Taken from southeast showing concrete forms in place on fanhouse. | | R. J. Walton | A 8-27-8 |
| 8-16 | View of smokehouse from south. | | R. J. Walton | A 8-28-8 |
| 8-16 | Water pipes at base of cooling towers carry water from cooling ducts to tower to be cooled. | | R. J. Walton | A 8-29-8 |
| 8-16 | Water spray system inside water cooling towers. | | R. J. Walton | A 8-30-8 |
| 8-16 | Cyclotron site from the north. | | R. J. Walton | A 8-31-8 |
| 8-16 | Overall view of south face of pile building. | | R. J. Walton | A 8-32-8 |
| 8-16 | Intake pipes for secondary air system. | | R. J. Walton | A 8-33-8 |
| 8-16 | West wall of east duct showing where stations of expansion bellows have to be refueled - air leaks. | | R. J. Walton | A 8-34-8 |
| 8-16 | Interior of shielding showing cross-member in shield. | | R. J. Walton | A 8-35-8 |
| 8-16 | Steel strips have been welded to crossmember in shield. | | R. J. Walton | A 8-36-8 |
| 8-16 | Interior east wall of pile proper showing control rod shafts. | | R. J. Walton | A 8-37-8 |
| 8-16 | Welder. | | R. J. Walton | A 8-38-8 |
| 8-16 | Base on south side of pile showing missing rail. | | R. J. Walton | A 8-39-8 |
| 8-16 | East face of pile shield after cross-member has been moved. | | R. J. Walton | A 8-40-8 |
| 8-16 | Closeup on south bedplate of pile showing L square and rail. Rail is not square. | | R. J. Walton | A 8-41-8 |
| 8-18 | Interior of southwest corner of pile proper showing control rod shaft housings in place. | | R. J. Walton | A 8-42-8 |
| 8-18 | Base plate on south side of pile showing one side of rail removed. | | R. J. Walton | A 8-43-8 |
| 8-18 | Crossmember in pile shielding. Note lead has been used to close gap between two beams. | | R. J. Walton | A 8-44-8 |
| 8-18 | Hole dug in shielding so that cross-member could be moved. | R. J. Walton | A 8-45-8 | |
| 8-18 | Hole dug in concrete shielding to give access to steel crossmember. | R. J. Walton | A 8-46-8 | |

| Date | Caption | Dept. | Photographer | Number |
|------|---|-------|--------------|----------|
| 8-20 | Overall view of site for hot lab facing north. | | R. J. Walton | A 8-47-8 |
| 8-20 | Overall of fanhouse facing northwest. | | R. J. Walton | A 8-48-8 |
| 8-20 | Foundation for labs and offices on north side of pile building. | | R. J. Walton | A 8-49-8 |
| 8-20 | Smokestack, cooling towers and pump-house. | | R. J. Walton | A 8-50-8 |
| 8-20 | Overall of smokestack facing north-east. | | R. J. Walton | A 8-51-8 |
| 8-20 | General view of foundation for labs and offices on north side of pile building. | | R. J. Walton | A 8-52-8 |
| 8-20 | Overall shot of pile building facing east. | | R. J. Walton | A 8-53-8 |
| 8-10 | Aerial view of pile site declassified 8-10-48. | | R. J. Walton | A 8-54-8 |
| 8-10 | Aerial view of pile site declassified 8-10-48. | | R. J. Walton | A 8-55-8 |

September – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|--------|---|-----------|--------------|---------------------------|
| 9-13 | Cyclotron progress Long shot of cyclotron building foundation. | Cyclotron | R. J. Walton | A 9-1-8 and A 9-2-8 |
| 9-20 - | Aerial photo of pile construction. | | R. J. Walton | A 9-3-8 |
| 9-20 | Exterior view of pile building. | | R. J. Walton | A 9-4-8 |
| 9-20 | Duct work in rear of pile building. | | R. J. Walton | A 9-5-8 |
| 9-20 | Duct inside fanhouse. Note how key- way in center becomes smaller as more fans are cut into duct. | | R. J. Walton | A 9-6-8 |
| 9-20 | Secondary air system ducts. | | R. J. Walton | A 9-7-8 |
| 9-20 | Inside of shield. | | R. J. Walton | A 9-8-8 |
| 9-20 | Duct inside of fanhouse. | | R. J. Walton | A 9-9-8 |
| 9-20 | Duct inside of fanhouse. | | R. J. Walton | A 9-10-8 |
| 9-30 | Spring assembly inside shield to keep graphite from growing out on top of pile. | | R. J. Walton | A 9-11-8 |
| 9-30 | Drive mechanism on north face of shield for adjusting gap in pile looking east. | | R. J. Walton | A 9-12-8 |
| 9-30 | Drive mechanism on north face of shield for adjusting gap in pile looking west. | | R. J. Walton | A 9-13-8 |
| 9-30 | Drive mechanism on north face of pile used to adjust gap in pile looking up from bottom. | | R. J. Walton | A 9-14-8 |
| 9-20 | Secondary air system pipe on the west side of the fanhouse. | | R. J. Walton | A 9-15-8 |
| 9-20 | Expansion bellows before being in- serted inside the pile proper. | | R. J. Walton | A 9-16-8 |
| 9-20 | Intake hole in fanhouse. | | R. J. Walton | A 9-17-8 |
| 9-20 | Pouring cement for duct leading to the smokestack. | | R. J. Walton | A 9-18-8 |
| 9-20 | Insert for testing chambers in side of the pile shield. | | R. J. Walton | A 9-19-8 |
| 9-20 | Access hole intop of east duct. Note pipes extending down. | | R. J. Walton | A 9-20-8 |
| 9-13 | Workmen shown laying brick on the fanhouse facing north. | | R. J. Walton | A 9-21-8 |
| 9-13 | Overall shot of boiler house at the transformer site. | | R. J. Walton | A 9-22-8 |

| Date | Caption | Dept. | Photographer | Number |
|------|--|-----------|--------------|----------|
| 9-13 | Overall view of the west side of the pile building. | | R. J. Walton | A 9-23-8 |
| 9-13 | General view of pile building with foundations for offices and labs in foreground facing east. | | R. J. Walton | A 9-24-8 |
| 9-13 | Overall shot of foundation for the hot lab facing north. | | R. J. Walton | A 9-25-8 |
| 9-28 | Overall view of east side of pile. | | R. J. Walton | A 9-26-8 |
| 9-28 | Foundation for the hot lab facing northeast. | | R. J. Walton | A 9-27-8 |
| 9-28 | Overall of fanhouse facing north. | | R. J. Walton | A 9-28-9 |
| 9-28 | Cyclotron site facing south. | Cyclotron | R. J. Walton | A 9-29-8 |
| 9-28 | Overall view of west side of the pile building. | | R. J. Walton | A 9-30-8 |
| 9-28 | Cyclotron site facing south. CDS | Cyclotron | R. J. Walton | A 9-31-8 |
| 9-28 | Aerial view of pile progress. CDS | P 366 | R. J. Walton | A 9-32-8 |
| 9-20 | Top plate of charging tube grid. This has been reclassified Secret and is now located in CDS. CDS | P 358 | R. J. Walton | A 9-33-8 |
| 9-30 | Inside of east wall of the shield. CDS | P 362 | R. J. Walton | A 9-34-8 |
| 9-20 | Transformer inside of fanhouse building. CDS | P 347 | R. J. Walton | A 9-35-8 |
| 9-20 | Entrance hole in top of fanhouse. CDS | P 349 | R. J. Walton | A 9-36-8 |
| 9-20 | Aerial view of pile progress. CDS | P 365 | R. J. Walton | A 9-37-8 |
| 9-20 | Aerial view of pile progress. CDS | P 369 | R. J. Walton | A 9-38-8 |

October – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|-------|--|-------|----------------|-----------|
| 10-11 | General view of interior of pile building looking southeast. | | R. F. Smith | A 10-1-8 |
| 10-19 | Showing north face of pile building and steel being erected for the laboratories. | | R. J. Walton | A 10-2-8 |
| 10-19 | Facing northwest showing construction progress on laboratories. | | R. J. Walton | A 10-3-8 |
| | Transferred to Classified Documents | | | A 10-4-8 |
| 11-2 | Overall view of pile building and laboratory framework facing south. | | J. F. Garfield | A 10-5-8 |
| 11-2 | Overall view of foundation for hot lab with pile building in background facing west. | | J. F. Garfield | A 10-6-8 |
| 11-2 | View of foundation for hot lab facing northwest with pile building in the background. | | J. F. Garfield | A 10-7-8 |
| 11-2 | Interior of motor room of fanhouse showing motors in position on blocks. | | J. F. Garfield | A 10-8-8 |
| 11-2 | View of erection of steel work for labs with pile building in background facing east. | | J. F. Garfield | A 10-9-8 |
| 10-22 | Intake air duct ring inside of fanhouse. It was placed wrong so it has to be ripped out. | | R. J. Walton | A 10-10-8 |
| 10-22 | Pile progress and construction. | | R. J. Walton | A 10-11-8 |
| 10-22 | Pile progress and construction. | | R. J. Walton | A 10-12-8 |
| 10-22 | Pile progress and construction. | | R. J. Walton | A 10-13-8 |
| 10-22 | Looking down from top of pile on steel framework used to support control rod. | | R. J. Walton | A 10-14-8 |
| 10-22 | Re-enforcing rods being laid in for cement work on base of ducts running to fanhouse. | | R. J. Walton | A 10-15-8 |
| 10-22 | Moving a section of the control rod support. | | R. J. Walton | A 10-16-8 |
| 10-22 | Butterfly valve on intake air duct inside fanhouse. | | R. J. Walton | A 10-17-8 |
| 10-22 | Looking up smokestack. | | R. J. Walton | A 10-18-8 |
| 10-22 | Pile progress and construction. | | W. P. Scully | A 10-19-8 |
| 10-22 | Pile progress and construction. | | W. P. Scully | A 10-20-8 |
| 10-22 | Pile progress and construction. | | W. P. Scully | A 10-21-8 |

| Date | Caption | Dept. | Photographer | Number |
|-------|--|-------|--------------|-----------|
| 10-18 | Overall view of foundation for hot lab facing northeast. | | R. J. Walton | A 10-22-8 |
| 10-18 | Overall view of west side of the pile building. | | R. J. Walton | A 10-23-8 |
| 10-18 | Overall view of fanhouse facing south. | | R. J. Walton | A 10-24-8 |
| 10-6 | Interior of east side of shield. <i>cleared for publication</i> <i>P 392</i> | P 392 | R. F. Smith | A 10-25-8 |

November – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|-------|---|-------|--------------|-----------|
| 11-2 | View of east wing of laboratory showing steelwork facing north. | | R. J. Walton | A 11-1-8 |
| 11-2 | View of west wing of laboratory showing progress facing northeast. | | R. J. Walton | A 11-2-8 |
| 11-2 | Back of pile building. | | R. J. Walton | A 11-3-8 |
| 11-2 | West side of pile building. | | R. J. Walton | A 11-4-8 |
| 11-11 | Overall view of boiler house site facing northeast showing storage tank, boiler house and transformer station. | | R. J. Walton | A 11-5-8 |
| 11-11 | Overall view of boiler house and transformer site facing northwest. | | R. J. Walton | A 11-6-8 |
| 11-11 | Overall view of boiler house and transformer site facing northeast. | | R. J. Walton | A 11-7-8 |
| 11-7 | Center section of interior west wall of pile showing relation of base plate to gap and baffle plate on wall. | | R. J. Walton | A 11-8-8 |
| 11-7 | Interior west wall of pile proper showing position of test holes. | | R. J. Walton | A 11-9-8 |
| 11-11 | Test holes on inside of pile shield after being worked into square opening. | | R. J. Walton | A 11-10-8 |
| 11-11 | Test holes on inside of pile shield after being worked into square opening. | | R. J. Walton | A 11-11-8 |
| 11-15 | Erection of steelwork on east wing of pile building annex. In foreground is part of foundation for the hot labs facing northwest. | | R. J. Walton | A 11-12-8 |
| 11-15 | Foundation for hot lab facing east. | | R. J. Walton | A 11-13-8 |
| 11-15 | South side of pile building showing ducts. | | R. J. Walton | A 11-14-8 |
| 11-15 | West wing of pile building annex showing progress on erection of steelwork facing northeast. | | R. J. Walton | A 11-15-8 |
| 11-23 | Showing the building which will house the Brookhaven nuclear reactor or chain reacting atomic pile. | | R. J. Walton | A 11-16-8 |

cleared for publication

| Date | Caption | Dept. | Photographer | Number |
|-------|---|-------|--------------|-----------|
| 11-22 | Control rod lines and expansion joint. | | R. J. Walton | A 11-17-8 |
| 11-22 | Control rod hole. | | R. J. Walton | A 11-18-8 |
| 11-30 | Graphite shims at northwest corner, graphite layer #13 looking at west ATM. | | R. J. Walton | A 11-19-8 |
| 11-30 | Experimental hole #E-27 graphite layer #13 looking west at ATM. | | R. J. Walton | A 11-20-8 |
| 11-30 | Experimental hole #E-29 graphite layer #13 looking west at ATM. Reference drawing A-702-14A. | | R. J. Walton | A 11-21-8 |

December – 48 Reactor

| Date | Caption | Dept. | Photographer | Number |
|-------|---|-------|--------------|--------------------------------|
| 12-3 | Interior of fanhouse showing some of the control panels and the motor generator. | | R. J. Walton | A 12-1-8 |
| 12-3 | Interior view of fanhouse showing closeup of 1500 horsepower motor. | | R. J. Walton | A 12-2-8 |
| 12-3 | Inside fanhouse showing duct and enclosed impeller ^{impeller} unit. | | R. J. Walton | A 12-3-8 |
| 12-3 | Battery room inside fanhouse. | | R. J. Walton | A 12-4-8 |
| 12-3 | Impeller ^{impeller} unit inside fanhouse. | | R. J. Walton | A 12-5-8 |
| 12-3 | Inside fanhouse showing motors mounted. | | R. J. Walton | A 12-6-8 |
| 12-8 | Foundation for hot labs looking east. | | R. J. Walton | A 12-7-8 |
| 12-8 | General view showing progress on construction of the west wing of the laboratories. | | R. J. Walton | A 12-8-8 |
| 12-8 | East side of the pile building showing the canal. | | R. J. Walton | A 12-9-8 |
| 12-8 | East wing of the labs with foundation for hot lab in foreground. | | R. J. Walton | A 12-10-8 |
| 12-20 | Pile site showing conditions after the first snowfall. | | R. J. Walton | A 12-11-8 thru A 12-22-8 |